Attachment 1
Parking Lot (Area 1)
Data Gap Study Report



February 2026
Former Nepera Harriman Site (Site No. 336006), Harriman, New York

ANCHOR QEA

Parking Lot (Area 1)
Data Gap Study Report

Prepared for Nepera, Inc. and Warner-Lambert Company, LLC (Corporate Defendants) and ELT Harriman, LLC

February 2026
Former Nepera Harriman Site (Site No. 336006), Harriman, New York

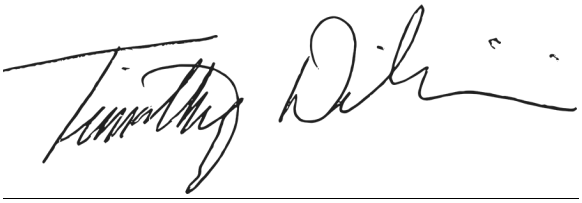
Parking Lot (Area 1)
Data Gap Study Report

Prepared for
Nepera, Inc.
Warner-Lambert Company, LLC
ELT Harriman, LLC

Prepared by
Anchor QEA
54 West Genessee Street, Suite 100A
Camillus, New York 13031

Certification Page

I, Timothy I. DiGiulio, certify that I am currently a New York State-registered professional engineer as defined in 6 NYCRR Part 375 and that this Parking Lot Area Feasibility Study was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.



Timothy I. DiGiulio, PE

New York PE License No. 068151

Anchor QEA, Inc.

Date: February 20, 2026

Certification Page

I, Jeffery R. Caputi, certify that I am currently a New York State-registered professional engineer as defined in 6 NYCRR Part 375 and that this Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10) and DER Green Remediation (DER-31).



Jeffery R. Caputi, PE
New York PE License No. 082196
Brown and Caldwell Associates

Date: February 20, 2026

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ABBREVIATIONS

BNL	Brookhaven National Laboratories
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CMS	Corrective Measures Study
CPT	cone penetrometer test
DUSR	Data Usability Summary Report
mg/kg	milligram per kilogram
µg/L	microgram per liter
NYCRR	New York Code of Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
PID	photoionization detector
psf	pound per square foot
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SPDES	State Pollutant Discharge Elimination System
TCLP	toxicity characteristic leaching procedure
XRD	x-ray diffraction

1 Introduction

In May 2024, Anchor QEA conducted a Parking Lot Feasibility Study Data Gap Investigation to supplement the understanding of the nature and extent of the calcium sulfate material in the Parking Lot Area in accordance with the Parking Lot Feasibility Study Data Gap Work Plan (Anchor QEA 2024). This area was referred to as Area B in the 1995 Record of Decision and will be called Area 1 for the purposes of this report (Figure 1). This report presents the results of the investigation to further refine the lateral extent of the waste material at the edges of Area 1 near the State Pollutant Discharge Elimination System (SPDES) lagoon and Arden House Road with the aim of informing the development of remedial alternatives in a future site feasibility study.

2 Scope of Investigation

To understand the composition and extent of the calcium sulfate waste material in Area 1, GeoProbe borings were collected from five locations within the paved portion of Area 1 and eight locations around the perimeter. The objective was to collect additional information pertaining to the following:

- The lateral extent of the waste material at the edges of Area 1, specifically near the SPDES lagoon and Arden House Road
- Geochemical composition, structure, and physical properties of the waste material beneath the parking lot pavement
- Mercury concentrations in the waste material and the soils beneath the waste material
- Geotechnical parameters of the waste material and the soils beneath the waste material
- Thickness of the waste material
- Toxicity characteristic leaching procedure (TCLP) characteristics of the waste material

To accomplish these objectives, visual observations of the presence and thickness of calcium sulfate waste material were made at all boring locations. If waste material was observed, a soil sample below the waste was also collected for chemical and geotechnical analysis. To meet the remainder of the objectives, additional geochemical, geotechnical, and disposal characteristic tests were performed on samples from the five borings in the paved portion of Area 1. Last, Cone Penetrometer Tests (CPTs) were completed at the five borings in the paved portion of Area 1 for additional geotechnical information.

3 Field Sampling Methodology

3.1 Geoprobe Borings

Before the start of field work, all sample target locations were identified with a handheld GPS device and cleared of underground obstructions by a geophysical contractor. After drilling, the actual coordinates of sample collection were recorded with a handheld GPS device.

Direct-push GeoProbe borings were advanced at five locations within the paved portion of Area 1 (PL-C-1 through PL-C-5) and eight locations around the perimeter of Area 1 (PL-EXT-1 through PL-EXT-8). See Figure 2 for the locations of the borings.

3.1.1 Visual Observations

Calcium sulfate waste has been documented as displaying a unique visual composition of soft material that varies in color between white and white with black, gray, tan, or blue swirls. A full description of the calcium sulfate waste is presented in the 2010 Parking Lot Investigation (Cornerstone 2010). Observations of calcium sulfate waste in the GeoProbe borings were recorded alongside the standard geological soil descriptions. All observations are presented in the boring logs in Appendix B.

Recovered soil borings were first photographed and screened with a photoionization detector (PID) and a Jerome J405 Mercury Vapor Analyzer. If calcium sulfate waste was visually observed, the start and end depths of the waste were recorded. Waste samples were collected from borings in the paved portion of Area 1. Soil samples beneath the waste were collected at these five borings and below perimeter borings where waste was observed. All soil samples were collected at least 1 foot beneath the bottom of the observed calcium sulfate material.

3.1.2 Analytical Testing

Visually identified calcium sulfate waste samples were placed in a 2-mil polypropylene bag and homogenized before being placed in laboratory jars. Waste samples were analyzed for mercury; the geotechnical parameters of grain size, moisture content, Atterberg limits, specific gravity, and organic content; and geochemical parameters using x-ray fluorescence and x-ray diffraction after digestion. Waste samples were also tested using the Toxicity Characteristic Leaching Procedure (TCLP) to determine future disposal profiles. Soil samples were analyzed for mercury and the same geotechnical parameters as waste samples.

3.2 Cone Penetrometer Testing

CPTs were performed immediately adjacent to each of the five boring locations in Area 1 (PL-C-1 through PL-C-5; Figure 2). CPTs were advanced to depths ranging from 11 to 36 feet below ground

surface to continuously collect subsurface geotechnical data via strain gauges and a load cell. CPT results are presented in Appendix A.

3.3 Data Usability, Validation, and Reporting

The Data Usability Summary Report (DUSR) and analytical laboratory reports are presented in Appendix D. Data reviews were conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) DER-10 (NYSDEC 2010). The DUSR provides details where data qualification was necessary and applied. Electronic data deliverable files in EQuIS format will be uploaded to NYSDEC's EQuIS database.

4 Investigation Results

4.1 Calcium Sulfate Extent

Calcium sulfate material was encountered in all five borings in the parking lot at thicknesses of 2.4 to 7.0 feet. Waste material was also found in three of the eight perimeter borings. These three borings were all located along the SPDES lagoon fence line at the southeast border of Area 1. Calcium sulfate thicknesses in these three borings ranged from 0.08 to 2.0 feet. Figure 2 shows the boring locations and the observed calcium sulfate thickness and extent.

4.2 Chemistry Results

Mercury concentrations ranged from 290 to 520 milligrams per kilogram (mg/kg) in waste samples and from 1.7 to 180 mg/kg in soils beneath the paved portion of Area 1. In the three perimeter borings along the SPDES lagoon fence line where calcium sulfate waste was observed, mercury concentrations in the underlying soil ranged from 0.72 to 210 mg/kg. All mercury results are presented in Table 4-1.

4.3 Disposal Characteristics of Calcium Sulfate Waste

Mercury TCLP results in the five waste samples ranged from 1.4 to 16 micrograms per liter (µg/L), and all were well below the Resource Conservation and Recovery Act (RCRA) regulatory limit of 200 µg/L (Table 4-2). This is consistent with the TCLP analyses completed on soil fractions collected during the 2022 floodplain soil investigation program. Both sets of data support the conclusion that mercury is not in a mobile form in the waste or soil and that it can be classified as a nonhazardous waste. All other analytes for the TCLP analysis (metals, volatile organic compounds, semivolatile organic compounds, pesticides, and herbicides) were also below the RCRA limits during this sampling event.

4.4 Geochemical Composition of Waste

The semiquantitative results of the X-ray diffraction (XRD) analysis of waste samples are presented in Table 4-3. XRD identifies the crystalline phase composition of samples. The waste material is predominantly gypsum (calcium sulfate dihydrate) with minor amounts calcium carbonates (calcite and aragonite), iron oxides (goethite and magnetite), quartz, and other silicates (muscovite and montmorillonite clay). The gypsum content ranges from 75% to more than 97% by weight and is typically greater than 90%.

No crystalline mercury phases were detected by XRD. The total mercury concentrations in the samples ranged from 290 to 520 mg/kg, which are below the limit of detection for phase identification by XRD of approximately 0.1% to 0.2% by weight (i.e., 1,000 to 2,000 mg/kg). The mercury is most likely present either as a separate phase at trace levels in the calcium sulfate waste

or as a trace impurity in one or more of the phases identified. The full XRD results are included in Appendix C.

4.5 Geotechnical Results

Five CPT probes were advanced to depths ranging from 11 to 36 feet below ground surface as part of the sampling program. The target CPT advance depth of 35 feet was reached in three CPTs (PL-C-2, PL-C-4, and PL-C-5); however, two locations (PL-C-1 and PL-C-4) were terminated at depths of 15 and 11 feet, respectively, because of practical CPT refusal. The full set of CPT results are included in Appendix A.

CPT data were processed using the GeoLogismiki software platform CPeT-IT to estimate material properties for the waste materials as well as the underlying soils. Waste depth and thickness data from the previous investigations, as well as the direct-push GeoProbe borings completed as part of this investigation program, were used to calibrate the interpretation of the processed CPT data. The processed CPT data yielded useful correlations with estimates of shear wave velocity within the waste materials for comparison with the underlying site soils, with much lower values within the waste materials (average shear wave velocity values for representative intervals were 380 feet/second versus 794 feet/second), indicating waste materials are expected to be of lower strength and more compressible than the underlying soils. A comparison of the estimated shear wave velocities from selected intervals interpreted to be representative of the waste materials and underlying soils at each of the CPT locations is provided in Table 4-4.

The CPT records indicate that the waste material characteristics across the site are variable both within each CPT record profile (vertically) and between the CPT locations (horizontally). Because of the variability between CPT records, a sensitivity check of the potential for elastic deformation and consolidation settlement of the waste materials was conducted. The sensitivity check indicated a significant range of potential consolidation settlement magnitudes across the site for a given loading scenario (e.g., 0.1 to 3 inches at 1,000 pounds per square foot [psf]). Cap-only loads (250 psf), cap plus light traffic surcharge loads (520 psf), and thickened cap plus moderate traffic surcharge loads (1,000 psf) were considered, along with two higher load scenarios that were taken to illustrate sensitivity to significant fill placement or heavy structures. The results of this sensitivity check are provided in Table 4-5.

Standard geotechnical soil testing was completed for all borings in the paved portion of Area 1 as well as the soils under the three perimeter borings where calcium sulfate waste was observed. Results are presented in Table 4-6. The laboratory report for the geotechnical data is included in Appendix D.

5 Conclusions

Figure 2 shows the locations of the 2024 borings alongside all other available historical data on calcium sulfate thickness and extent. When combined with the data obtained in the 2024 Data Gap Investigation, the depth and areal extent of the calcium sulfate material in Area 1 is well bounded, which will enable reasonable excavation volume estimates for the feasibility studies.

The mercury concentrations in the calcium sulfate waste material (290 to 520 mg/kg) were consistent with the mercury concentrations in the waste composite samples and discrete samples described as waste in the 2010 Parking Lot Investigation (319 to 502 mg/kg). The mercury concentrations in soils are generally much less than those found in the waste. However, the discrete samples described as soil below the waste in the 2010 investigation were one to two orders of magnitude lower than some of the samples taken in 2024. The average mercury concentration of the waste material mercury appears, to some extent, to have migrated from the calcium sulfate into the surrounding soils. Given the immobile nature of the mercury within the waste (as discussed in Cornerstone and Brown and Caldwell [2023] and supported by the TCLP results in this report), this is likely the result of fines intermixing with the underlying soils along a "filter" front.

All five TCLP samples of the waste material collected in 2024 were below the RCRA regulatory level for hazardous waste for all analytes, including mercury. This indicates that mercury is not readily leachable from the calcium sulfate waste material, even under the aggravated leaching conditions employed in this test that are intended to mimic more severe leaching by organic acid-rich waters that are typical of municipal landfills and not representative of conditions at the site.

6 References

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Tables

Table 4-1
Mercury Concentrations in Waste and Soil

Location ID	Sample Type	Date	Matrix	Start Depth (units)	End Depth (units)	Mercury (ppm)
PL-C-1	Standard	5/8/2024	Waste	0.75	4.1	290
PL-C-2	Standard	5/8/2024	Waste	1.7	7.4	470
PL-C-2	Duplicate	5/8/2024	Waste	1.7	7.4	380
PL-C-3	Standard	5/8/2024	Waste	0.85	3.2	500
PL-C-4	Standard	5/8/2024	Waste	0.75	3.2	440
PL-C-5	Standard	5/8/2024	Waste	0.75	7.8	520
PL-C-1	Standard	5/8/2024	Soil under waste	9.7	10.7	7.3
PL-C-2	Standard	5/8/2024	Soil under waste	8.3	8.9	1.7
PL-C-2	Duplicate	5/8/2024	Soil under waste	8.3	8.9	31
PL-C-3	Standard	5/8/2024	Soil under waste	6.1	6.7	100
PL-C-4	Standard	5/8/2024	Soil under waste	6	6.6	180
PL-C-5	Standard	5/8/2024	Soil under waste	8.8	9.4	0.33
PL-EXT-6	Standard	5/8/2024	Soil under waste	6	6.6	210
PL-EXT-7	Standard	5/8/2024	Soil under waste	7	7.6	4.8
PL-EXT-8	Standard	5/8/2024	Soil under waste	5	5.6	0.72

Note:

ppm: parts per million

Table 4-2
Calcium Sulfate Waste Material TCLP Results

Chemical	CAS_RN	Unit	RCRA Standard	Location Sample ID Date Sample Type Depth Interval Result	PL-C-1W PL-C-1W-20240508-0.75-4.1 5/8/2024 N 0.75–4.1 feet Result	PL-C-2W PL-C-2W-20240508-1.7-7.4 5/8/2024 N 1.7–7.4 feet Result	PL-C-3W PL-C-3W-20240508-0.85-3.2 5/8/2024 N 0.85–3.2 feet Result	PL-C-4W PL-C-4W-20240508-0.75-3.2 5/8/2024 N 0.75–3.2 feet Result	PL-C-5W PL-C-5W-20240508-0.75-7.8 5/8/2024 N 0.75–7.8 feet Result
Metals (SW1311)									
Arsenic	7440-38-2	µg/L	5000		20 U	20 U	20 U	20 U	20 U
Barium	7440-39-3	µg/L	100000		**35 J**	**96**	**20 J**	**61**	**25 J**
Cadmium	7440-43-9	µg/L	1000		20 U	20 U	20 U	20 U	20 U
Chromium	7440-47-3	µg/L	5000		40 U	40 U	40 U	40 U	40 U
Copper	7440-50-8	µg/L			**4600**	40 U	40 U	40 U	**26 J**
Lead	7439-92-1	µg/L	5000		**180**	**14**	**67**	**35**	**72**
Mercury	7439-97-6	µg/L	200		**6.7**	**1.7**	**1.4**	**3.8**	**16**
Nickel	7440-02-0	µg/L			**36 J**	**58**	40 U	**17 J**	**29 J**
Selenium	7782-49-2	µg/L	1000		25 U	25 U	25 U	25 U	25 U
Silver	7440-22-4	µg/L	5000		20 U	20 U	20 U	20 U	20 U
Zinc	7440-66-6	µg/L			160 U	160 U	160 U	**480**	160 U
Volatile Organics (SW1311)									
1,1-Dichloroethene	75-35-4	µg/L	700		10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	107-06-2	µg/L	500		10 U	10 U	10 U	10 U	10 U
Benzene	71-43-2	µg/L	500		10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	56-23-5	µg/L	500		10 U	10 U	10 U	10 U	10 U
Chlorobenzene	108-90-7	µg/L	100000		10 U	10 U	10 U	10 U	10 U
Chloroform	67-66-3	µg/L	6000		10 U	10 U	10 U	10 U	10 U
Methyl ethyl ketone (2-Butanone)	78-93-3	µg/L	200000		50 U	50 U	50 U	50 U	50 U
Tetrachloroethene (PCE)	127-18-4	µg/L	700		10 U	10 U	10 U	10 U	10 U
Trichloroethene (TCE)	79-01-6	µg/L	500		10 U	10 U	10 U	10 U	10 U
Vinyl chloride	75-01-4	µg/L	200		10 U	10 U	10 U	10 U	10 U
Semivolatile Organics (SW1311)									
1,4-Dichlorobenzene	106-46-7	µg/L	7500		10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	95-95-4	µg/L	400000		10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	88-06-2	µg/L	2000		10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	121-14-2	µg/L	130		10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	95-48-7	µg/L	200000		10 U	10 U	10 U	10 U	10 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	MEPH3_4	µg/L			10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	118-74-1	µg/L	130		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	87-68-3	µg/L	500		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	67-72-1	µg/L	3000		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	98-95-3	µg/L	2000		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table 4-2
Calcium Sulfate Waste Material TCLP Results

Chemical	CAS_RN	Unit	RCRA Standard	Location Sample ID Date Sample Type Depth Interval Result	PL-C-1W PL-C-1W-20240508-0.75-4.1 5/8/2024 N 0.75–4.1 feet Result	PL-C-2W PL-C-2W-20240508-1.7-7.4 5/8/2024 N 1.7–7.4 feet Result	PL-C-3W PL-C-3W-20240508-0.85-3.2 5/8/2024 N 0.85–3.2 feet Result	PL-C-4W PL-C-4W-20240508-0.75-3.2 5/8/2024 N 0.75–3.2 feet Result	PL-C-5W PL-C-5W-20240508-0.75-7.8 5/8/2024 N 0.75–7.8 feet Result
Pentachlorophenol	87-86-5	µg/L	100000		30 U	30 U	30 U	30 U	30 U
Pyridine	110-86-1	µg/L	5000		**11**	**27**	**8.7 J**	**6.2 J**	**7.3 J**
Pesticides (SW1311)									
Chlordane (technical)	12789-03-6	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Endrin	72-20-8	µg/L	20		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Heptachlor	76-44-8	µg/L	8		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Heptachlor epoxide	1024-57-3	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	58-89-9	µg/L	400		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methoxychlor	72-43-5	µg/L	10000		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	8001-35-2	µg/L	500		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Herbicides (SW1311)									
2,4,5-TP (Silvex)	93-72-1	µg/L	1000		83 U	83 U	83 U	83 U	83 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	µg/L	10000		83 U	83 U	83 U	83 U	83 U

Notes:
Bold: Detected result
Calculated values have been rounded to laboratory-reported significant digits
µg/L: microgram per liter
CAS_RN: CAS Registry Number
J: Estimated value
RCRA: Resource Conservation and Recovery Act
U: Compound analyzed for, but not detected above detection limit

Table 4-3

Semiquantitative X-Ray Diffraction Results of Calcium Sulfate Waste Samples

Sample ID	PL-C-1W-20240508-0.75-4.1	PL-C-2W-20240508-1.7-7.4	FD-W-1	PL-C-3W-20240508-0.85-3.2	PL-C-4W-20240508-0.75-3.2	PL-C-5W-20240508-0.75-7.8
Location	**PL-C-1**	**PL-C-2**	**PL-C-2**	**PL-C-3**	**PL-C-4**	**PL-C-5**
Units	**Weight %**	**Weight %**	**Weight %**	**Weight %**	**Weight %**	**Weight %**
Gypsum	92.3	92.7	95.5	97.6	74.7	97.7
Quartz	1.2	3.4	3.2	0.3	9.0	1.2
Muscovite	0.8	1.5	1.3	1.4	2.3	1.1
Calcite	4.1	--	--	--	4.1	--
Clinochlore	0.9	1.5	--	--	1.4	--
Aragonite	0.4	0.7	--	--	2.5	--
Goethite	0.3	0.3	--	0.7	2.3	--
Montmorillonite	--	--	--	--	2.3	--
Magnetite	--	--	--	--	0.7	--
Cristobalite	--	--	--	--	0.6	--
Total	**100**	**100**	**100**	**100**	**100**	**100**

Mineral	Composition
Gypsum	$CaSO_4 \cdot 2H_2O$
Quartz	SiO_2
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$
Calcite	$CaCO_3$
Clinochlore	$(Fe,Mg)_5Al(Si_3Al)O_{10}(OH)_8$
Aragonite	$CaCO_3$
Goethite	$\alpha FeO \cdot OH$
Montmorillonite	$(Na,Ca)_{0.3}(Al,Mg)_2Si_2O_{10}(OH)_2 \cdot nH_2O$
Magnetite	Fe_3O_4
Cristobalite	SiO_2

Notes:

--: not applicable

Table 4-4
Estimated Shear Wave Velocities for Calcium Sulfate Waste and Underlying Soils

Boring ID	Waste Materials		Underlying Soils	
	Depth Interval Considered	Vs (ft/s)	Depth Interval Considered	Vs (ft/s)
PL-C-1	7.0–8.5	405	9.0–15.0	780
PL-C-2	4.0–8.0	635	10.0–15.0	990
PL-C-3	2.5–4.5	205	6.5–10.5	825
PL-C-4	3.0–6.0	290	10.0–15.0	665
PL-C-5	2.0–5.0	365	10.0–15.0	710

Notes:

ft/s: foot per second

Vs: Shear Wave Velocity

Table 4-5

Sensitivity Comparison of Consolidation Settlement Under Varied Surcharge Loading

Boring ID	Estimated Consolidation Settlement per Defined Surcharge Load				
	250 psf	520 psf	1,000 psf	2,500 psf	5,000 psf
PL-C-1	0.1	0.1	0.2	0.4	1.1
PL-C-2	1.0	1.7	2.9	5.5	13
PL-C-3	0.1	0.1	0.2	0.3	0.8
PL-C-4	0.4	0.8	1.4	2.8	6.7
PL-C-5	0.2	0.3	0.6	1.2	2.8

Note:

psf: pound per square foot

Table 4-6
Soil and Calcium Sulfate Waste Sample Geotechnical Results

Chemical	CAS_RN	Unit	Location Sample ID Date Sample Type Depth Interval Matrix Result	PL-C-1S PL-C-1S-20240508-9.7-10.7 5/8/2024 N 5–10 feet Soil Result	PL-C-1S PL-C-1S-20240508-9.7-14.2 5/8/2024 N 10–15 feet Soil Result	PL-C-1W PL-C-1W-20240508-0.75-4.1 5/8/2024 N 0.75–4.1 feet Waste Result	PL-C-2W PL-C-2W-20240508-1.7-7.4 5/8/2024 N 1.7–7.4 feet Waste Result	PL-C-2W FD-W-1-20240508 5/8/2024 FD 1.7–7.4 feet Waste Result
Conventional Parameters								
Plastic limit	PLSTICLIM	unitless		--	**27**	0 U	0 U	--
Plasticity index	PLSTICIDX	unitless		--	**12**	0 U	0 U	--
Specific gravity	SPGRAV	unitless		--	**2.69**	**3.24**	**2.99**	--
Specific Gravity at 20°C	SPGRAV_20C	unitless		--	**2.69**	**3.24**	**2.99**	--
Moisture, percent	MOIST	percent		**12**	**8.4**	**6.8**	**5.6**	**9.4**
Total organic carbon	TOC	percent		--	**0.12**	**0.15**	**1.3**	**0.71**
Total solids	TSOLID	percent		**88**	**91.6**	**93.2**	**94.4**	**90.6**
Grain Size								
Clay	GS-CLAY	percent		--	**9.4**	**7.6**	**6.7**	--
Gravel	GS-GRAVEL	percent		--	**44.8**	**0.3**	**1.4**	--
Sand, coarse	GS-SANDC	percent		--	**12.6**	**1.4**	**2.1**	--
Sand, fine	GS-SANDF	percent		--	**16.4**	**13**	**4.4**	--
Sand, medium	GS-SANDM	percent		--	**11.3**	**1.2**	**2.1**	--
Silt	GS-SILT	percent		--	**5.5**	**76.5**	**83.3**	--

Notes:

Bold: Detected result

Calculated values have been rounded to laboratory-reported significant digits

--: Not measured

U: Compound analyzed for, but not detected above detection limit

Table 4-6
Soil and Calcium Sulfate Waste Sample Geotechnical Results

Chemical	CAS_RN	Unit	Location Sample ID Date Sample Type Depth Interval Matrix Result	PL-C-2S PL-C-2S-20240508-8.3-8.9 5/8/2024 N 5–10 feet Soil	PL-C-2S FD-S-1-20240508 5/8/2024 FD 8.3–8.9 feet Soil	PL-C-2S PL-C-2S-20240508-8.3-9.4 5/8/2024 N 5–10 feet Soil	PL-C-3W PL-C-3W-20240508-0.85-3.2 5/8/2024 N 0.85–3.2 feet Waste	PL-C-3S PL-C-3S-20240508-6.1-6.7 5/8/2024 N 5–10 feet Soil
Conventional Parameters								
Plastic limit	PLSTICLIM	unitless		--	--	**21**	0 U	--
Plasticity index	PLSTICIDX	unitless		--	--	**3**	0 U	--
Specific gravity	SPGRAV	unitless		--	--	**2.63**	**3.34**	--
Specific Gravity at 20°C	SPGRAV_20C	unitless		--	--	**2.63**	**3.34**	--
Moisture, percent	MOIST	percent		**12.2**	**16.8**	**8.3**	**9.7**	**10.7**
Total organic carbon	TOC	percent		--	**1.4**	**2.8**	**0.45**	--
Total solids	TSOLID	percent		**87.8**	**83.2**	**91.7**	**90.3**	**89.3**
Grain Size								
Clay	GS-CLAY	percent		--	--	**13**	**8.7**	--
Gravel	GS-GRAVEL	percent		--	--	**40.7**	0.010 U	--
Sand, coarse	GS-SANDC	percent		--	--	**3**	**0.5**	--
Sand, fine	GS-SANDF	percent		--	--	**19**	**5.5**	--
Sand, medium	GS-SANDM	percent		--	--	**5.8**	**1.1**	--
Silt	GS-SILT	percent		--	--	**18.5**	**84.3**	--

Notes:

Bold: Detected result

Calculated values have been rounded to laboratory-reported significant digits

--: Not measured

U: Compound analyzed for, but not detected above detection limit

Table 4-6
Soil and Calcium Sulfate Waste Sample Geotechnical Results

		Location	PL-C-3S	PL-C-4W	PL-C-4S	PL-C-4S	PL-C-5W
		Sample	PL-C-3S-20240508-	PL-C-4W-20240508-	PL-C-4S-20240508-	PL-C-4S-20240508-	PL-C-5W-20240508-
		ID	6.1-8.6	0.75-3.2	6.0-6.6	6.0-9.8	0.75-7.8
		Date	5/8/2024	5/8/2024	5/8/2024	5/8/2024	5/8/2024
		Sample Type	N	N	N	N	N
		Depth Interval	5–10 feet	0.75–3.2 feet	5–10 feet	5–10 feet	0.75–7.8 feet
		Matrix	Soil	Waste	Soil	Soil	Waste
Chemical	**CAS_RN**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**
Conventional Parameters							
Plastic limit	PLSTICLIM	unitless	**20**	0 U	--	**24**	0 U
Plasticity index	PLSTICIDX	unitless	**7**	0 U	--	**10**	0 U
Specific gravity	SPGRAV	unitless	**2.7**	**3.19**	--	**2.74**	**2.57**
Specific Gravity at 20°C	SPGRAV_20C	unitless	**2.7**	**3.19**	--	**2.74**	**2.57**
Moisture, percent	MOIST	percent	**3.6**	**14.9**	**28.4**	**6.6**	**10.7**
Total organic carbon	TOC	percent	**0.83**	**0.84**	--	**0.88**	**0.55**
Total solids	TSOLID	percent	**96.4**	**85.1**	**71.6**	**93.4**	**89.3**
Grain Size							
Clay	GS-CLAY	percent	**8.8**	**8.9**	--	**9.5**	**9**
Gravel	GS-GRAVEL	percent	**42.7**	**1**	--	**5.6**	**0.7**
Sand, coarse	GS-SANDC	percent	**8.4**	**3.6**	--	**3.6**	**0.6**
Sand, fine	GS-SANDF	percent	**14.1**	**21.7**	--	**19.7**	**18.9**
Sand, medium	GS-SANDM	percent	**7.6**	**4.5**	--	**6.3**	**1.3**
Silt	GS-SILT	percent	**18.4**	**60.3**	--	**55.3**	**69.5**

Notes:

Bold: Detected result

Calculated values have been rounded to laboratory-reported significant digits

--: Not measured

U: Compound analyzed for, but not detected above detection limit

Table 4-6
Soil and Calcium Sulfate Waste Sample Geotechnical Results

		Location	PL-C-5S	PL-C-5S	PL-EXT-6S	PL-EXT-6S
		Sample ID	PL-C-5S-20240508-8.8-10	PL-C-5S-20240508-8.8-9.4	PL-EXT-6S-20240509-6.0-6.6	PL-EXT-6S-20240509-6.0-8.0
		Date	5/8/2024	5/8/2024	5/9/2024	5/9/2024
		Sample Type	N	N	N	N
		Depth Interval	5–10 feet	5–10 feet	0–10 feet	0–10 feet
		Matrix	Soil	Soil	Soil	Soil
Chemical	**CAS_RN**	**Unit**	**Result**	**Result**	**Result**	**Result**
Conventional Parameters						
Plastic limit	PLSTICLIM	unitless	0 U	--	--	**23**
Plasticity index	PLSTICIDX	unitless	0 U	--	--	**5**
Specific gravity	SPGRAV	unitless	**2.69**	--	--	**2.66**
Specific Gravity at 20°C	SPGRAV_20C	unitless	**2.69**	--	--	**2.66**
Moisture, percent	MOIST	percent	**2.9**	**5.8**	**2.2**	**3.7**
Total organic carbon	TOC	percent	**1.4**	--	--	**4**
Total solids	TSOLID	percent	**97.1**	**94.2**	**97.8**	**96.3**
Grain Size						
Clay	GS-CLAY	percent	**6.7**	--	--	**14**
Gravel	GS-GRAVEL	percent	**52.8**	--	--	**39.5**
Sand, coarse	GS-SANDC	percent	**9.1**	--	--	**3.2**
Sand, fine	GS-SANDF	percent	**12.6**	--	--	**16.9**
Sand, medium	GS-SANDM	percent	**12.2**	--	--	**6.8**
Silt	GS-SILT	percent	**6.6**	--	--	**19.6**

Notes:

Bold: Detected result

Calculated values have been rounded to laboratory-reported significant digits

--: Not measured

U: Compound analyzed for, but not detected above detection limit

Table 4-6
Soil and Calcium Sulfate Waste Sample Geotechnical Results

		Location	PL-EXT-7S	PL-EXT-7S	PL-EXT-8S	PL-EXT-8S
		Sample ID	PL-EXT-7S-20240509-7.0-7.6	PL-EXT-7S-20240509-7.0-9.0	PL-EXT-8S-20240509-5.0-5.6	PL-EXT-8S-20240509-5.0-7.0
		Date	5/9/2024	5/9/2024	5/9/2024	5/9/2024
		Sample Type	N	N	N	N
		Depth Interval	0–7.4 feet	0–10 feet	0–10 feet	0–10 feet
		Matrix	Soil	Soil	Soil	Soil
Chemical	**CAS_RN**	**Unit**	**Result**	**Result**	**Result**	**Result**
Conventional Parameters						
Plastic limit	PLSTICLIM	unitless	--	**22**	--	**22**
Plasticity index	PLSTICIDX	unitless	--	**15**	--	**9**
Specific gravity	SPGRAV	unitless	--	**2.71**	--	**2.64**
Specific Gravity at 20°C	SPGRAV_20C	unitless	--	**2.71**	--	**2.64**
Moisture, percent	MOIST	percent	**12.3**	**10.8**	**27.9**	**8.6**
Total organic carbon	TOC	percent	--	**1.4**	--	**0.97**
Total solids	TSOLID	percent	**87.7**	**89.2**	**72.1**	**91.4**
Grain Size						
Clay	GS-CLAY	percent	--	**36.4**	--	**23**
Gravel	GS-GRAVEL	percent	--	**4.2**	--	**0.8**
Sand, coarse	GS-SANDC	percent	--	**0.7**	--	**2.9**
Sand, fine	GS-SANDF	percent	--	**16.8**	--	**32.7**
Sand, medium	GS-SANDM	percent	--	**1.7**	--	**16.4**
Silt	GS-SILT	percent	--	**40.2**	--	**24.2**

Notes:

Bold: Detected result

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U: Compound analyzed for, but not detected above detection limit

Figures



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Figure 1
Site Layout
Parking Lot (Area 1) Data Gap Study Report
Former Nepera Plant Site, Harriman, New York



LEGEND:

- 2024 FS Borings with Waste Thickness
- 2024 FS Borings with No Waste Observed
- 2023 EC Program Boring
- 2022 Floodplain Investigation Borings[3]
- 2014 Supplemental RI Boring[4]
- 2010 Parking Lot Investigation Boring
- 2007 RFI Boring
- 1991 Phase II Test Pit Locations[5]
- Current Calcium Sulfate Material Extent
- Site Boundary
- Existing Parking Lot Boundary (Approximate)
- Lagoon
- Lagoon Fence Line (Approximate)
- Former Administration Building, Slab Only
- Floodplain Boundary

NOTES:

1. Aerial imagery from Esri Online Services.
2. Numeric labels indicate calcium sulfate thickness in feet below ground surface.
3. The 2022 Floodplain Investigation boring locations labeled 'NA' were inaccessible by the geoprobe due to bank slope.
4. 2014 Supplement RI Borings were only advanced through the top two feet from ground surface.
5. Calcium sulfate thicknesses for the 1991 Phase II Test Pit locations are estimated from Test Pit Wall Log diagrams.
6. The 2010 Area B Parking Lot Investigation Report states that six inches of calcium sulfate was observed during installation of well MW-35S, but not at any of the other well installations located along the lagoon or at well MW-24S.
7. The area of the current calcium sulfate material extent is 138,721 square feet or 3.18 acres.

0 60
Feet

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Figure 2
Calcium Sulfate Waste Thickness and Extent
Parking Lot (Area 1) Data Gap Study Report
Former Nepera Plant Site, Harriman, New York

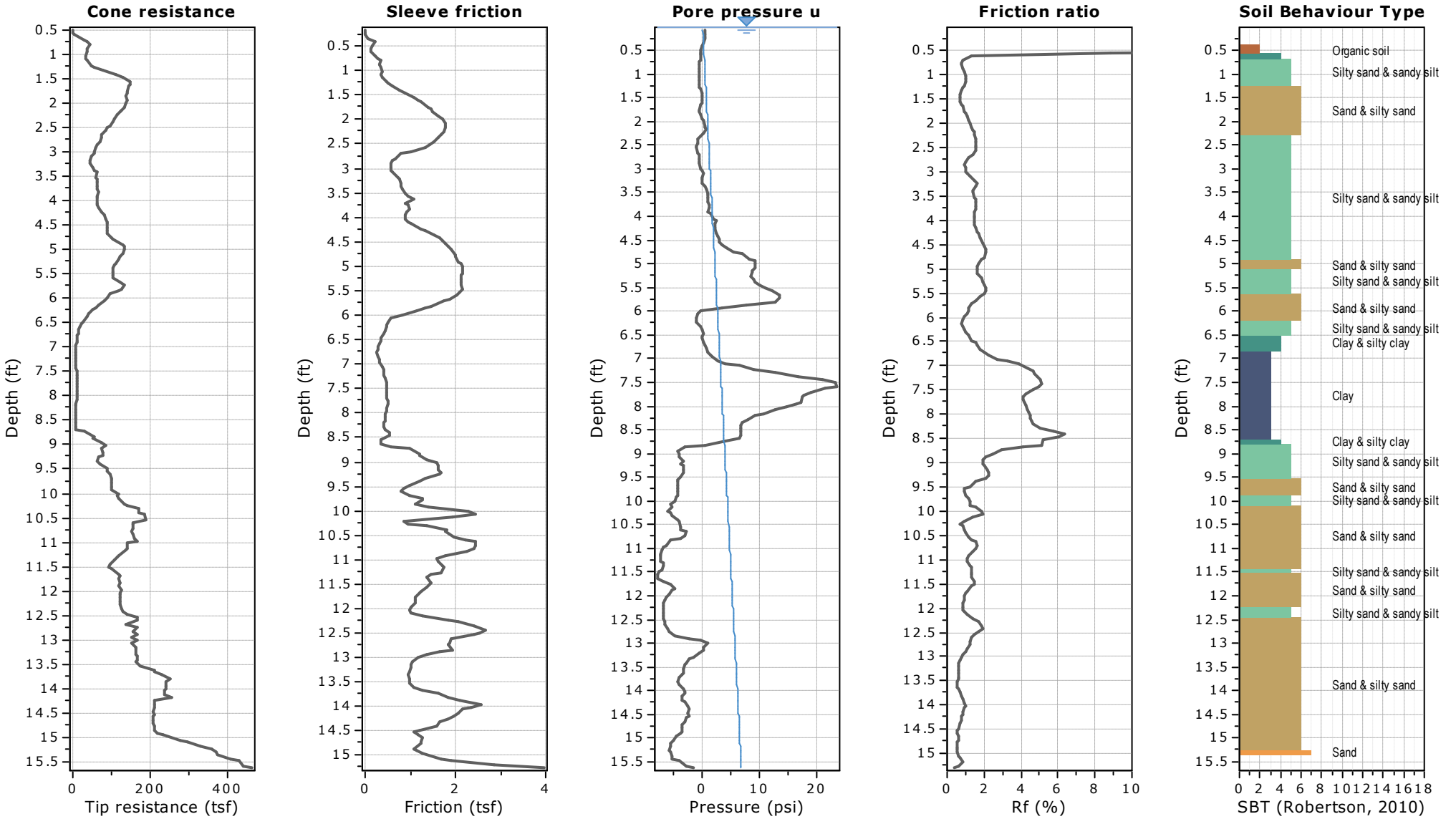
Appendix A
Cone Penetrometer Test Results

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75 E 2nd St
Mineola, NY 11501

CPT: PL-C-1
Total depth: 15.62 ft, Date: 5/7/2024
Coords: lat 41.309716° lon -74.142299°
Cone Operator: Eric Ramey

Project:
Location:

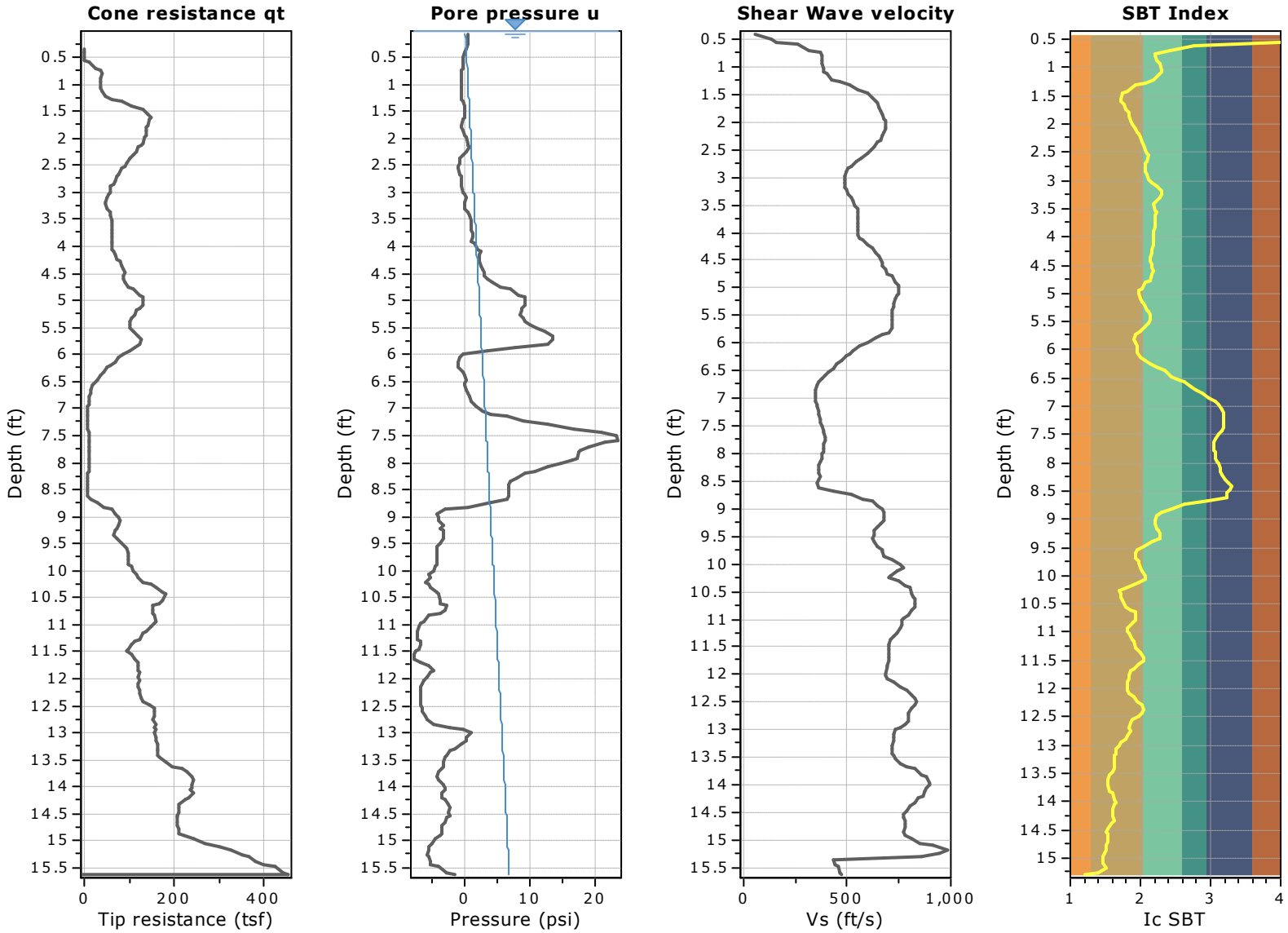


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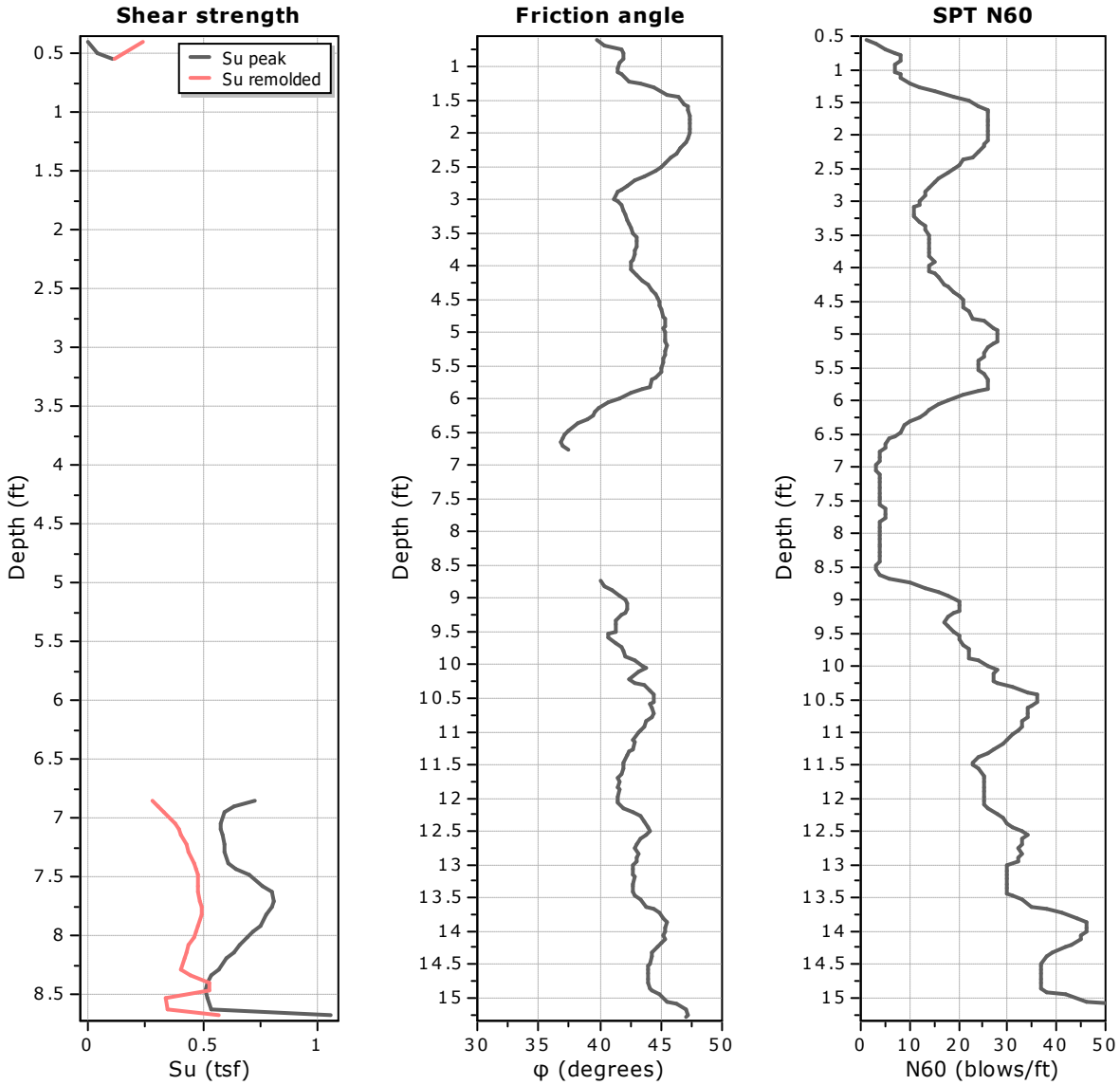


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Cone Operator: Eric Ramey

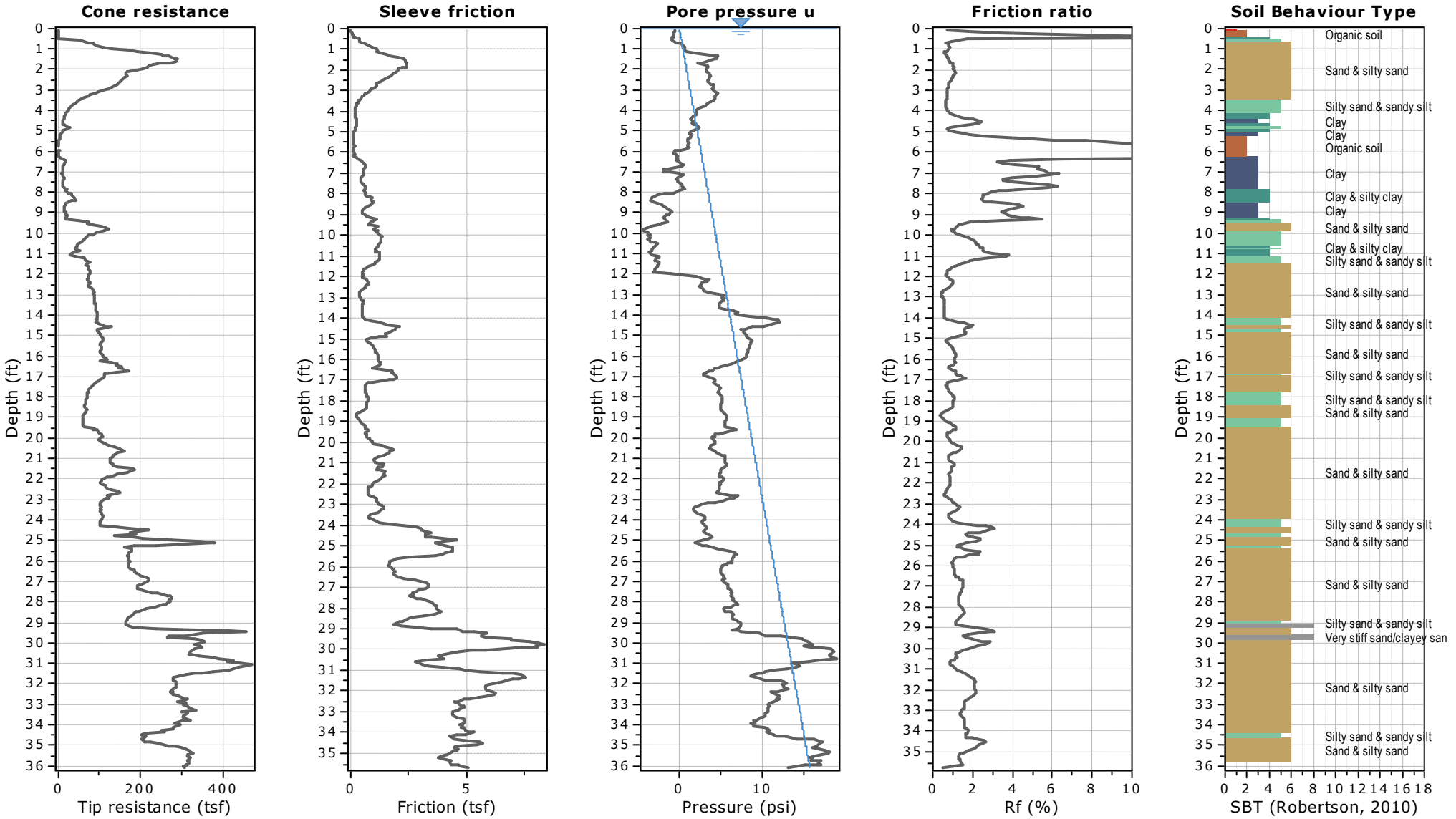


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CPT: PL-C-2
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Coords: lat 41.309415° lon -74.142554°
Cone Operator: Eric Ramey

Project:
Location:

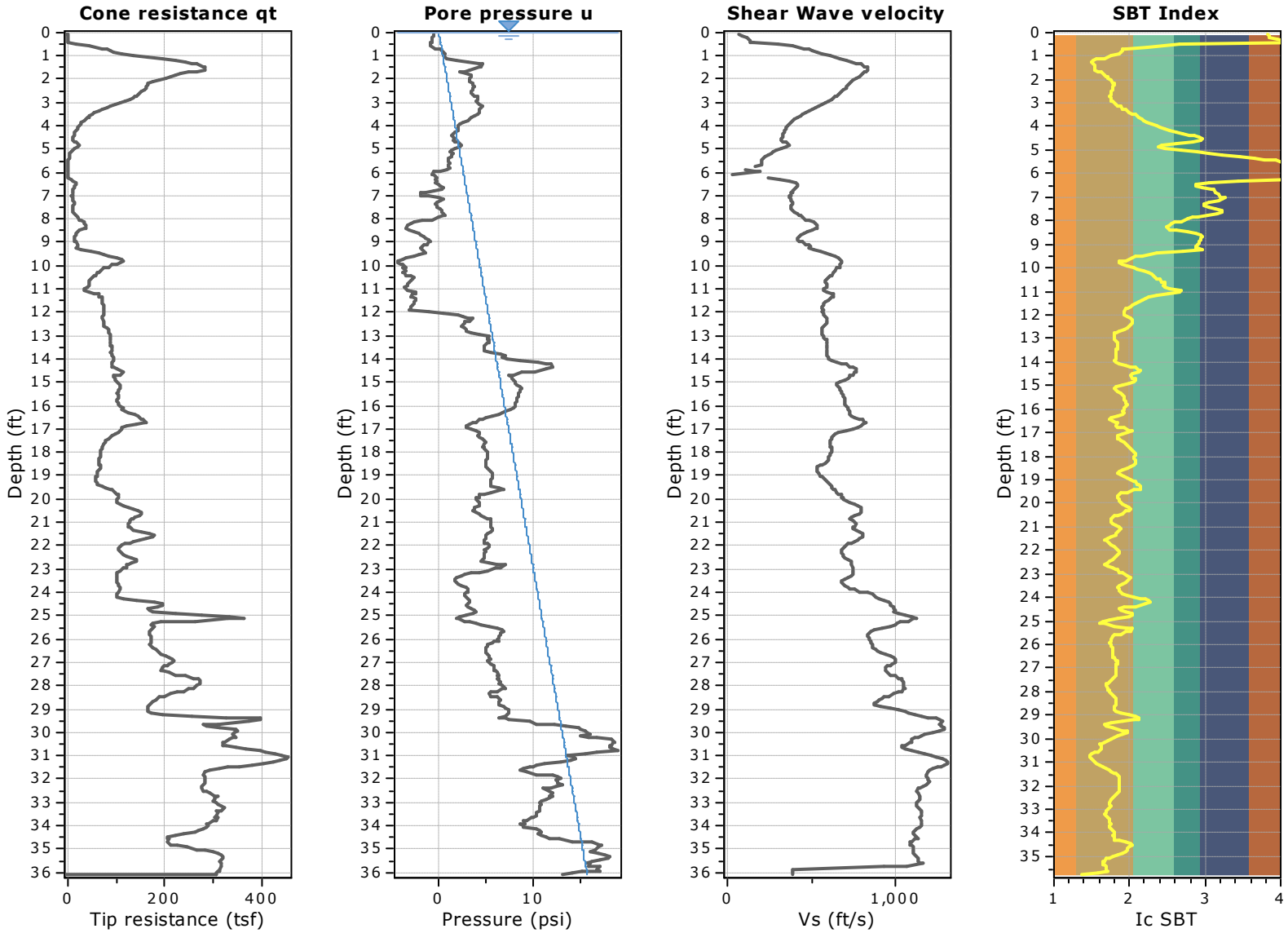


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Cone Operator: Eric Ramey

Project:
Location:

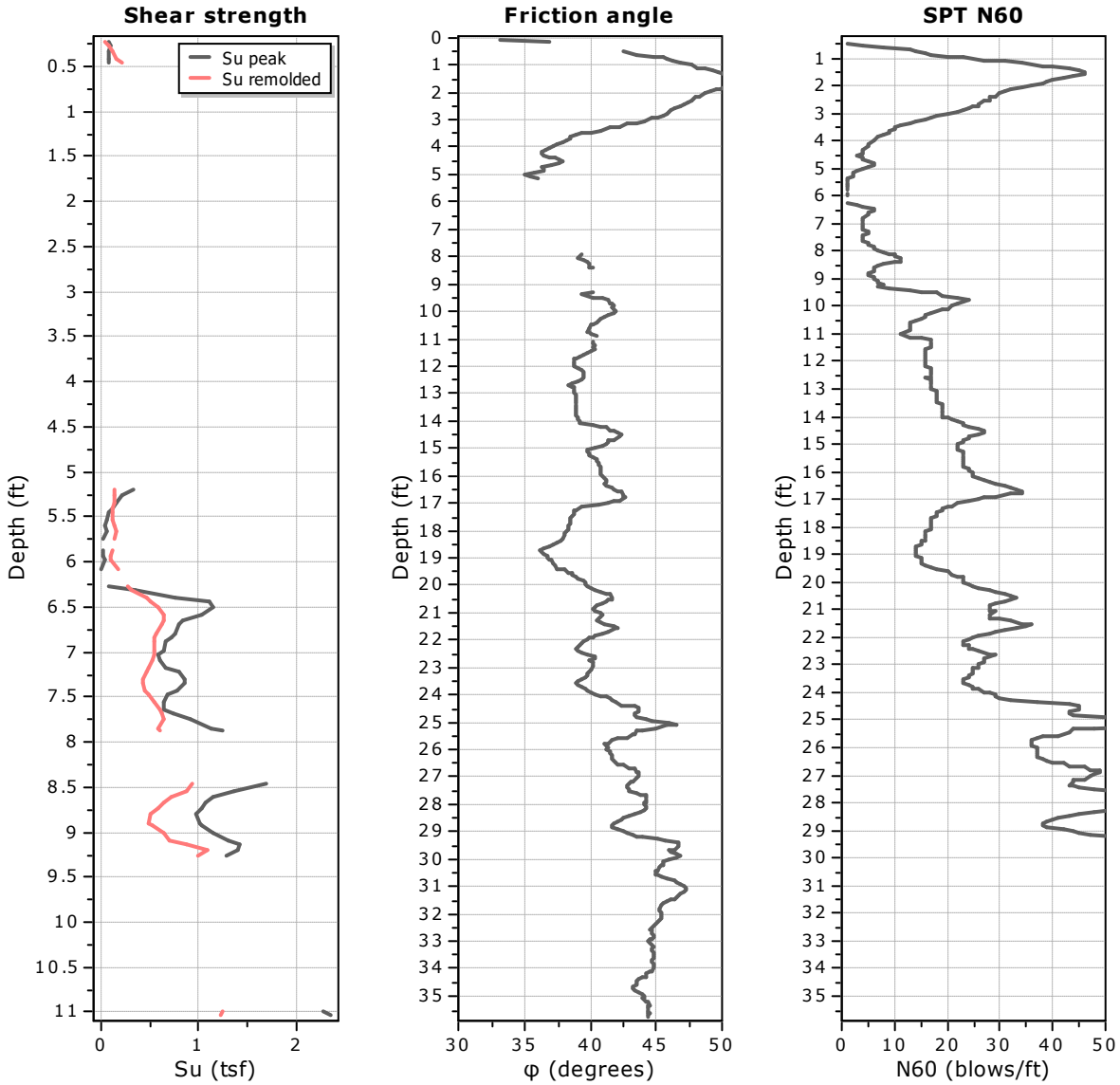


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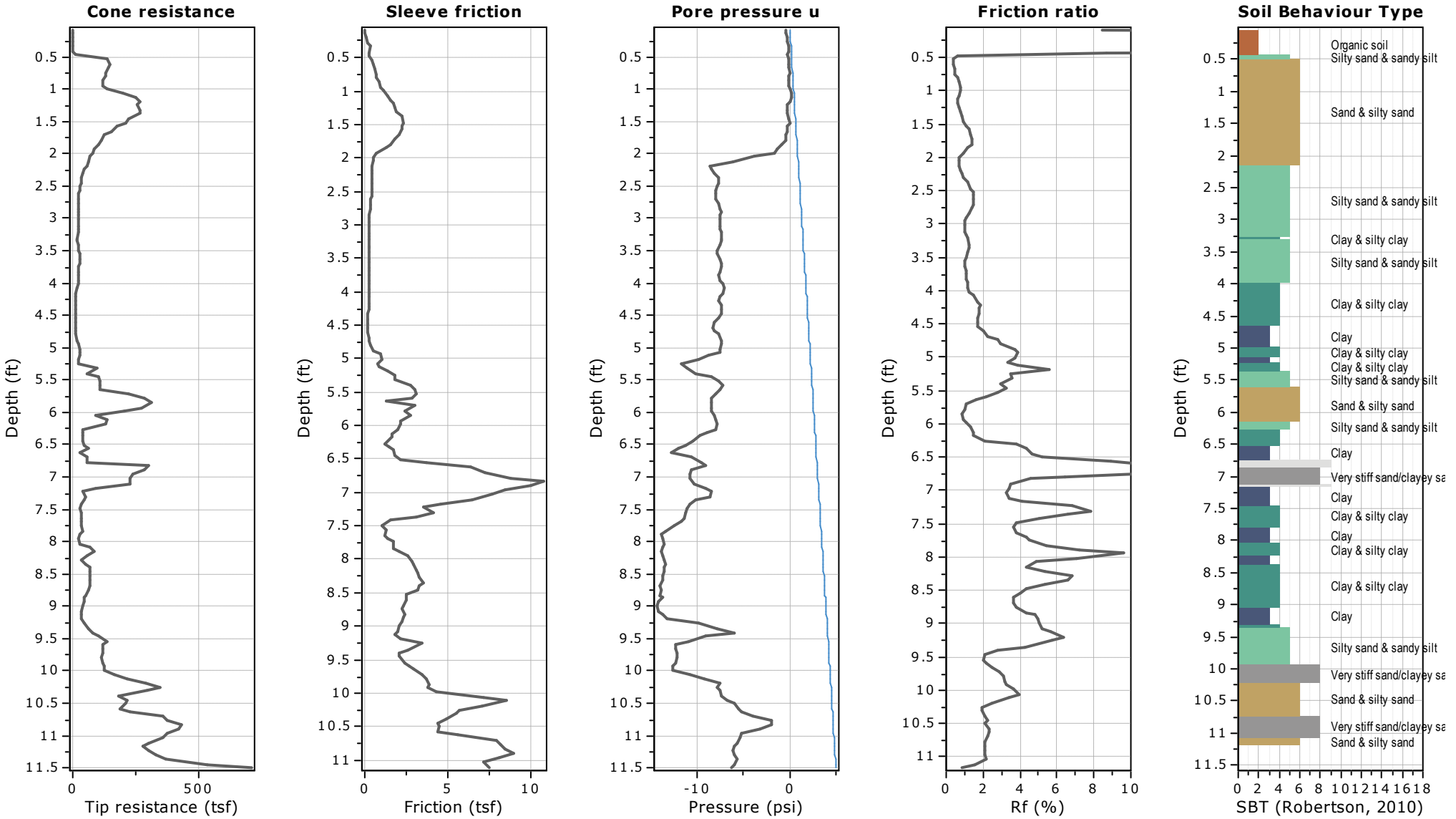


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CPT: PL-C-3
Total depth: 11.50 ft, Date: 5/7/2024
Coords: lat 41.309163° lon -74.142131°
Cone Operator: Eric Ramey

Project:
Location:

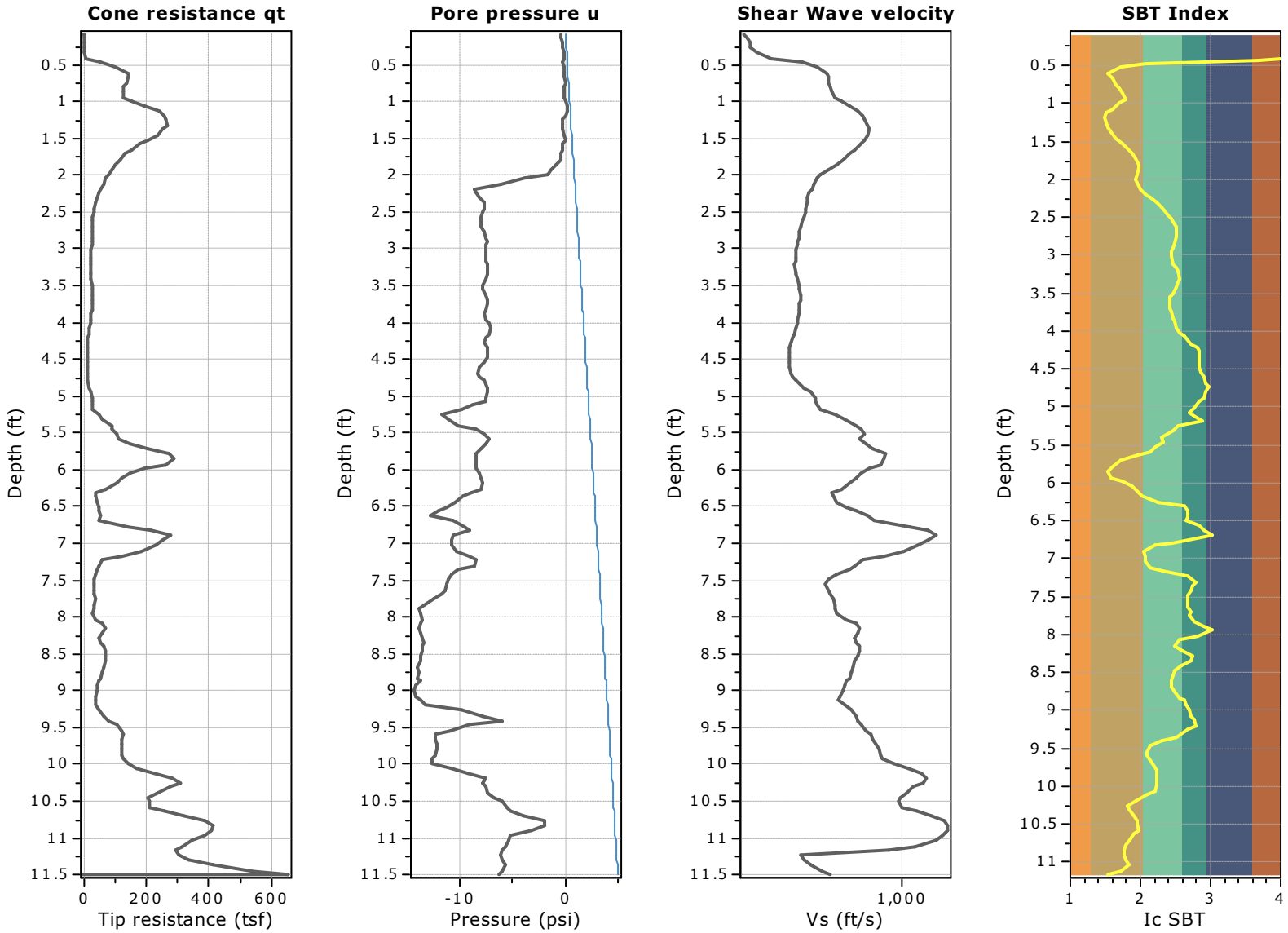


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CPT: PL-C-3
Total depth: 11.50 ft, Date: 5/7/2024
Coords: lat 41.309163° lon -74.142131°
Cone Operator: Eric Ramey

Project:
Location:

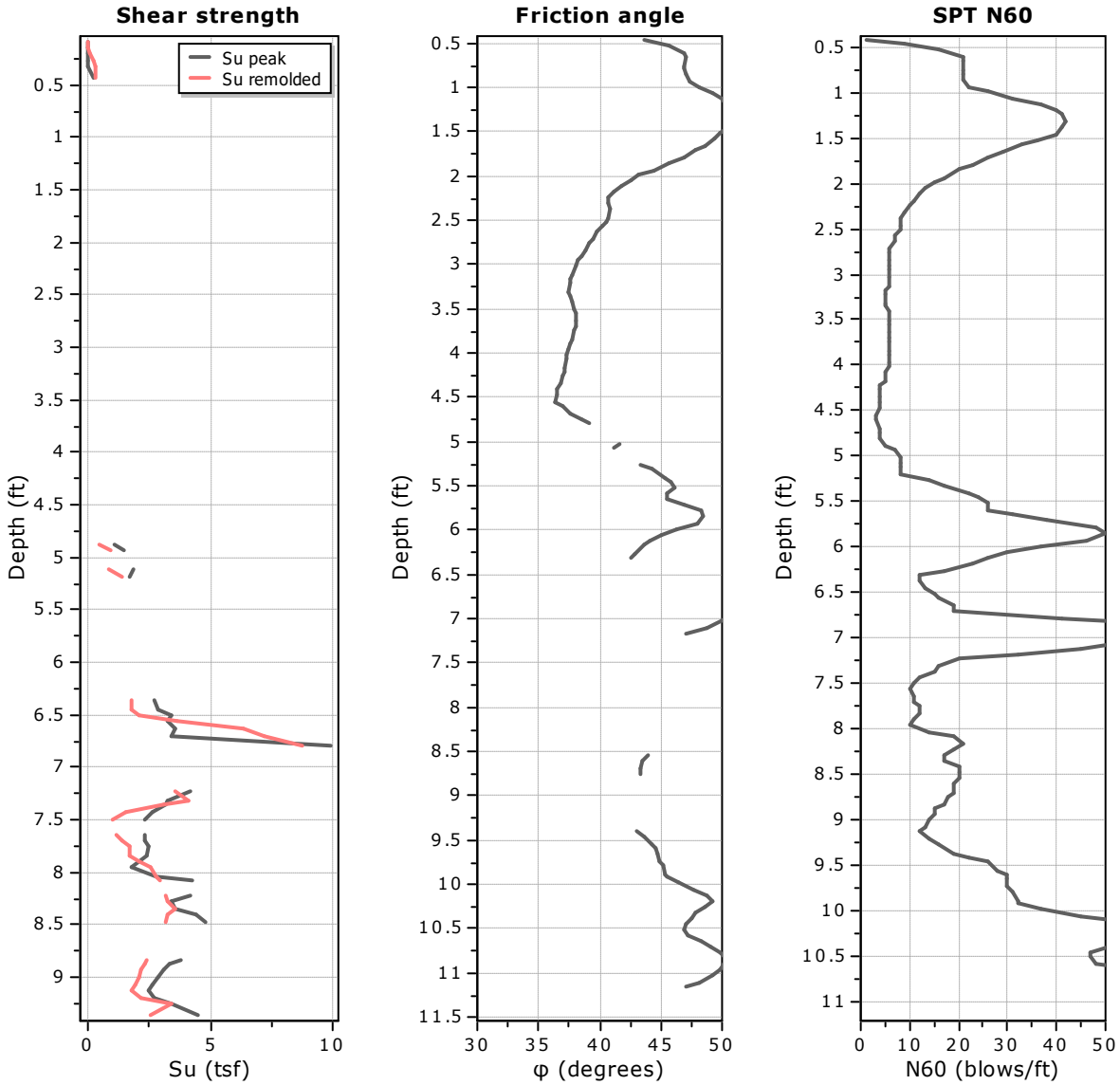


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Project:
Location:

CPT: PL-C-3
Total depth: 11.50 ft, Date: 5/7/2024
Coords: lat 41.309163° lon -74.142131°
Cone Operator: Eric Ramey

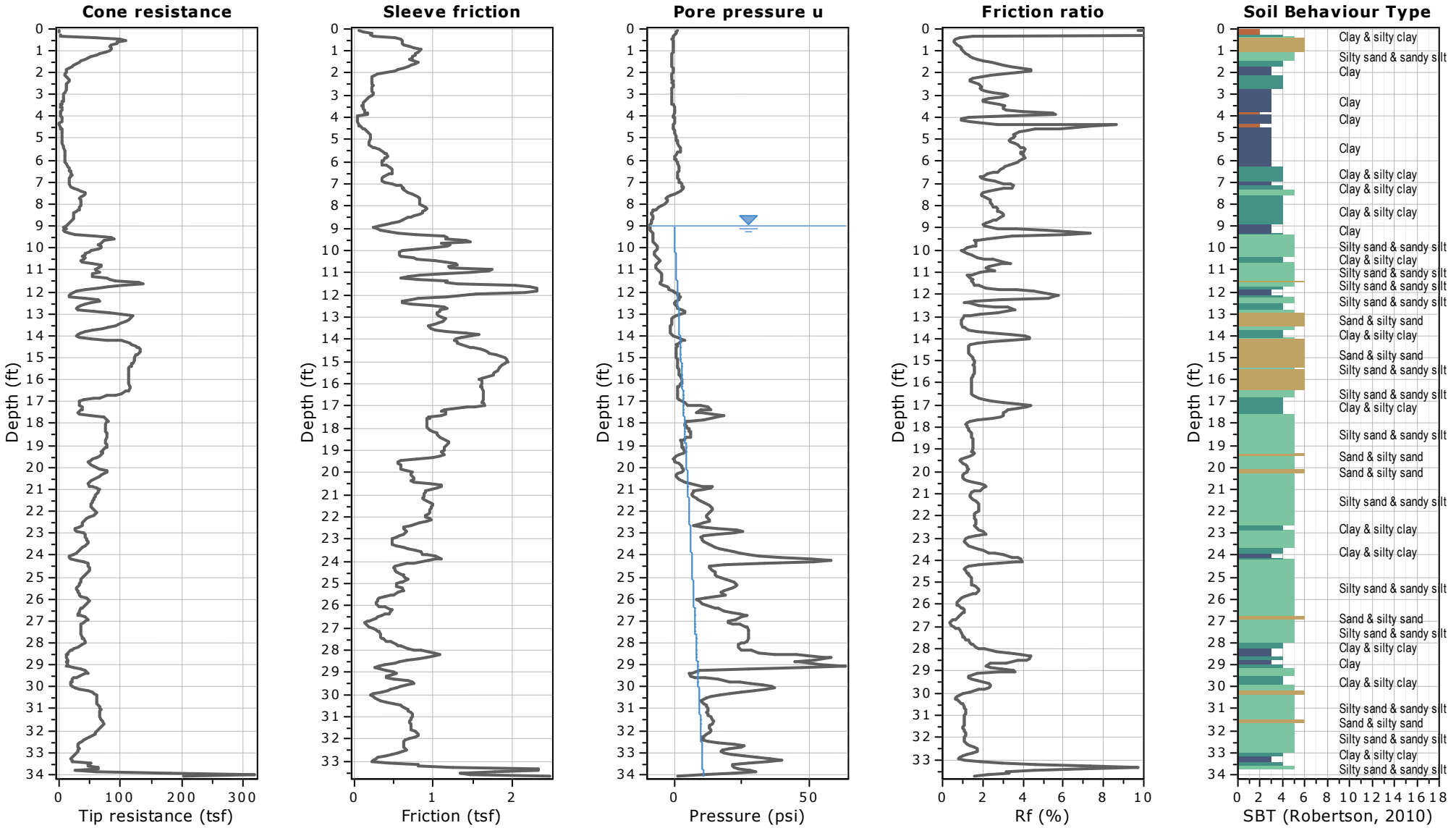


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CPT: PL-C-4
Total depth: 34.07 ft, Date: 5/10/2024
Coords: lat 41.309567° lon -74.141719°
Cone Operator: Eric Ramey

Project:
Location:

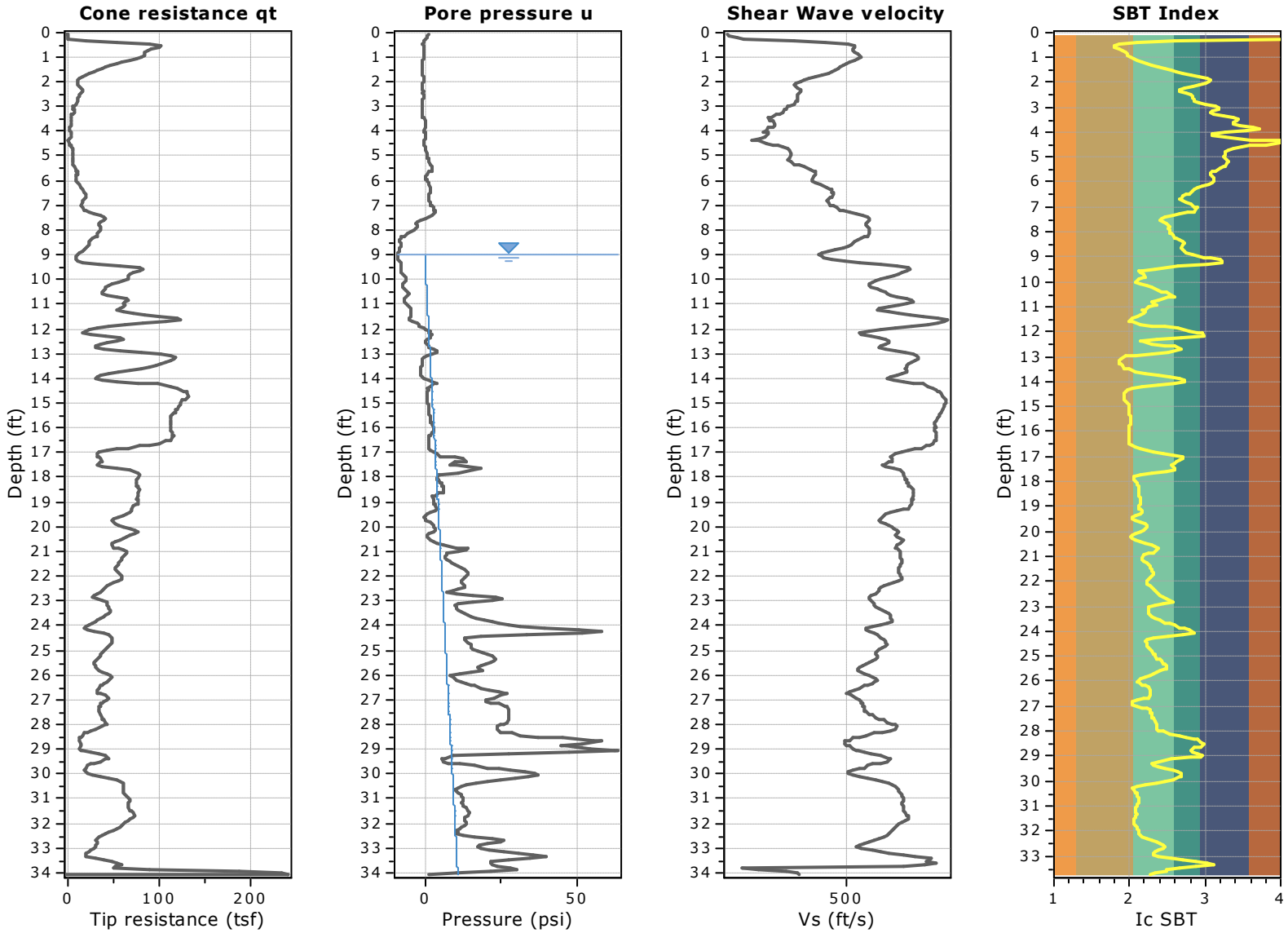


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CPT: PL-C-4
Total depth: 34.07 ft, Date: 5/10/2024
Coords: lat 41.309567° lon -74.141719°
Cone Operator: Eric Ramey

Project:
Location:

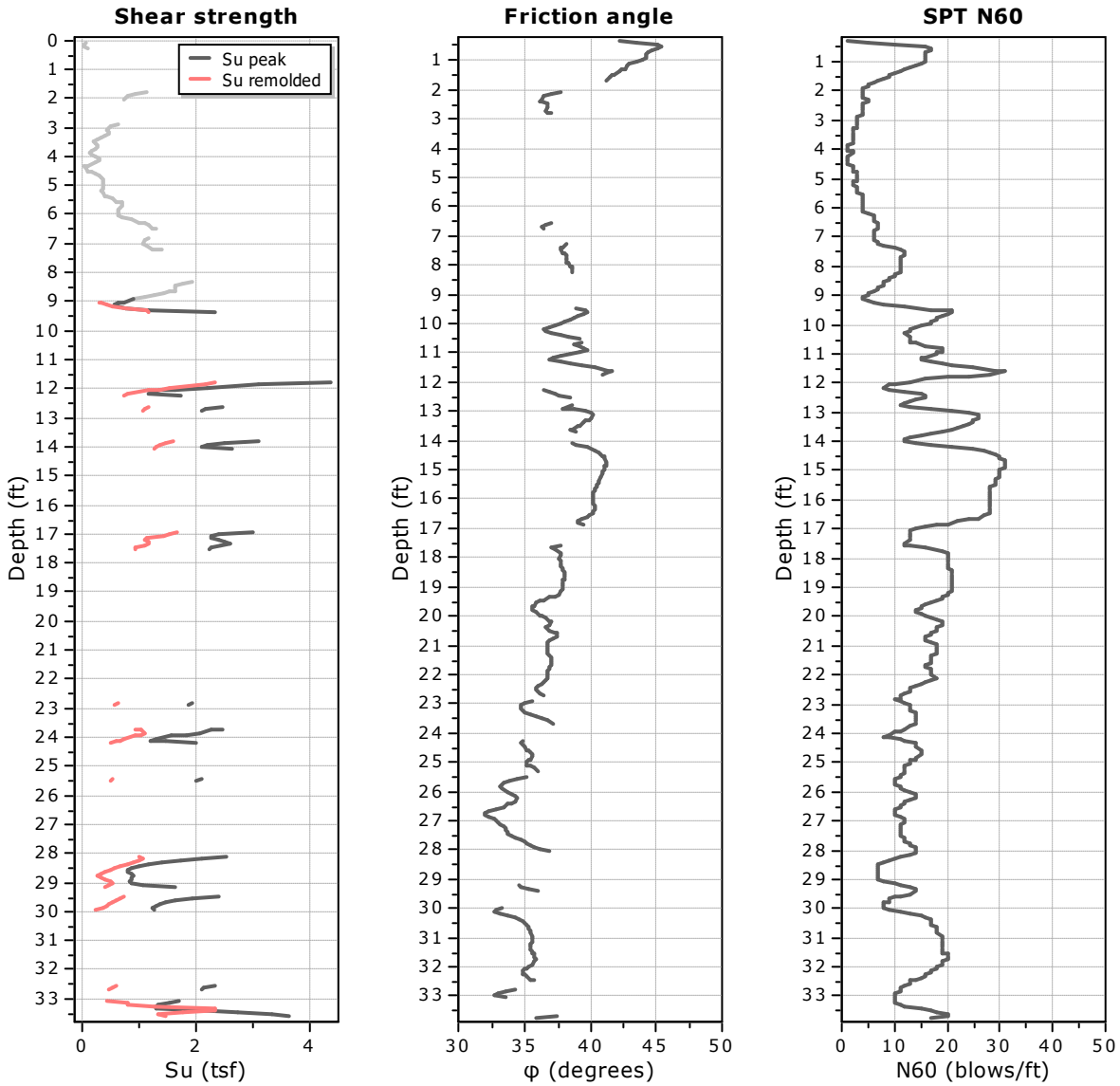


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Project:
Location:

CPT: PL-C-4
Total depth: 34.07 ft, Date: 5/10/2024
Coords: lat 41.309567° lon -74.141719°
Cone Operator: Eric Ramey

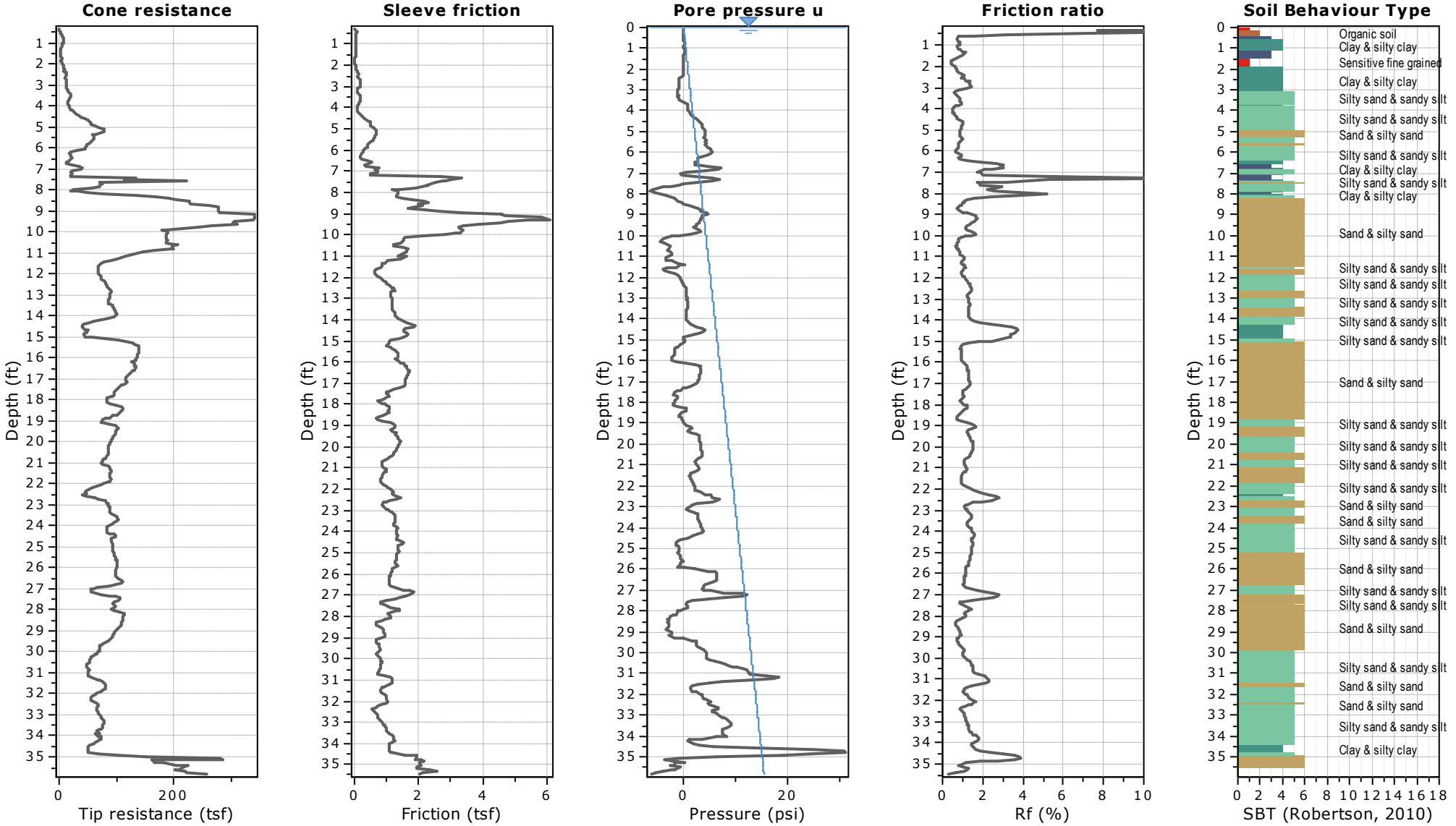


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CPT: PL-C-5
Total depth: 35.83 ft, Date: 5/10/2024
Coords: lat 41.309813° lon -74.142693°
Cone Operator: Eric Ramey

Project:
Location:



Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	Depth (ft)	qc (tsf)	fs (tsf)	u (psi)	Other	qt (tsf)	Rf(%)	SBT	Ic SBT	γ (pcf)	σ,v (tsf)	u0 (tsf)	σ',vo (tsf)	Qt1	Fr (%)	Bq
1	0.07	-0.09	0	0.35	0	-0.11	0.09	0	0	120.94	0	0	0	-55.72	0.08	-0.21
2	0.17	-0.18	0	0.43	0	-0.11	-1.68	0	0	120.94	0.01	0.01	0.01	-24.46	-1.53	-0.23
3	0.22	-0.09	0	0.61	0	-0.11	-4.71	0	0	120.94	0.01	0.01	0.01	-19.71	-4.22	-0.24
4	0.27	-0.09	0.01	0.52	0	-0.05	-57.14	0	0	120.94	0.02	0.01	0.01	-8.95	-43.94	-0.36
5	0.36	0	0.08	0.26	0	-0.03	-397.39	0	0	120.94	0.02	0.01	0.01	-4.67	-221.38	-0.07
6	0.41	0	0.24	-0.17	0	0.06	271.04	2	5.98	120.94	0.02	0.01	0.01	2.77	473.08	-0.7
7	0.5	0.18	0.16	-0.52	0	0.6	28.34	2	4.58	120.94	0.03	0.02	0.01	38.68	29.86	-0.08
8	0.56	1.63	0.12	-0.61	0	1.56	8.82	2	3.95	120.94	0.03	0.02	0.02	94.11	9.02	-0.03
9	0.6	2.9	0.14	-0.09	0	11.94	1.32	4	2.76	120.94	0.04	0.02	0.02	677.02	1.32	0
10	0.7	31.3	0.22	-0.43	0	23.85	0.89	5	2.42	120.94	0.04	0.02	0.02	1167.88	0.89	0
11	0.74	37.37	0.28	-0.43	0	37.13	0.75	5	2.21	120.94	0.05	0.02	0.02	1701.65	0.75	0
12	0.79	42.73	0.34	-0.61	0	38.46	0.81	5	2.22	120.94	0.05	0.02	0.02	1657.94	0.81	0
13	0.88	35.29	0.32	-0.52	0	37.73	0.88	5	2.24	120.94	0.05	0.03	0.03	1470.5	0.88	0
14	0.94	35.2	0.34	-0.61	0	35.19	0.97	5	2.29	120.94	0.06	0.03	0.03	1281.96	0.97	0
15	1.03	35.11	0.37	-0.61	0	35.1	1.01	5	2.3	120.94	0.06	0.03	0.03	1160.65	1.01	0
16	1.08	35.01	0.36	-0.61	0	35.34	1.04	5	2.31	120.94	0.07	0.03	0.03	1118.65	1.04	0
17	1.13	35.92	0.38	-0.61	0	39.84	1	5	2.25	120.94	0.07	0.04	0.03	1207.59	1.01	0
18	1.22	48.62	0.46	-0.7	0	47.25	0.95	5	2.18	120.94	0.07	0.04	0.04	1319.89	0.95	0
19	1.27	57.24	0.5	-0.52	0	60.92	0.85	6	2.06	120.94	0.08	0.04	0.04	1641.76	0.85	0
20	1.32	76.92	0.59	-0.17	0	82.12	0.76	6	1.92	120.94	0.08	0.04	0.04	2126.43	0.76	0
21	1.42	112.21	0.77	-0.17	0	105.98	0.71	6	1.82	120.94	0.09	0.04	0.04	2556.66	0.71	0
22	1.46	128.81	0.89	-0.17	0	129.74	0.7	6	1.75	120.94	0.09	0.05	0.04	3034.02	0.7	0
23	1.56	148.22	1.07	0	0	141.96	0.73	6	1.73	120.94	0.09	0.05	0.05	3113.1	0.73	0
24	1.61	148.86	1.16	0.09	0	147.68	0.78	6	1.73	120.94	0.1	0.05	0.05	3139.65	0.78	0
25	1.65	145.95	1.23	-0.26	0	145.28	0.87	6	1.77	120.94	0.1	0.05	0.05	3006.41	0.87	0
26	1.75	141.06	1.39	-0.96	0	142.16	0.95	6	1.8	120.94	0.11	0.05	0.05	2775.26	0.96	0
27	1.79	139.51	1.45	-0.61	0	139.62	1.04	6	1.83	120.94	0.11	0.06	0.05	2658.72	1.04	0
28	1.84	138.33	1.5	-0.52	0	138.96	1.09	6	1.85	120.94	0.11	0.06	0.05	2574.29	1.1	0
29	1.93	139.06	1.62	-0.09	0	138.63	1.16	6	1.86	120.94	0.12	0.06	0.06	2448.63	1.16	0
30	1.99	138.52	1.7	0.26	0	136.46	1.24	6	1.89	120.94	0.12	0.06	0.06	2344.72	1.24	0
31	2.08	131.8	1.77	0.52	0	132.45	1.32	6	1.92	120.94	0.13	0.07	0.06	2169.67	1.33	0
32	2.13	127	1.79	0.52	0	127.03	1.4	6	1.95	120.94	0.13	0.07	0.06	2035.97	1.41	0
33	2.17	122.28	1.79	0.52	0	121.68	1.46	6	1.98	120.94	0.13	0.07	0.06	1915.94	1.46	0
34	2.24	115.75	1.75	0.61	0	115.6	1.51	6	2	120.94	0.14	0.07	0.07	1762.27	1.51	0
35	2.32	108.76	1.68	-0.61	0	109.82	1.53	5	2.02	120.94	0.14	0.07	0.07	1616.89	1.54	0
36	2.37	104.95	1.62	-0.96	0	102.73	1.56	5	2.05	120.94	0.14	0.07	0.07	1480.5	1.56	0
37	2.46	94.52	1.51	-0.87	0	96.56	1.57	5	2.07	120.94	0.15	0.08	0.07	1342.11	1.57	0
38	2.51	90.26	1.43	-0.96	0	89.94	1.59	5	2.1	120.94	0.15	0.08	0.07	1223.51	1.59	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
39	2.56	85.09	1.34	-1.04	0	83.29	1.52	5	2.11	120.94	0.15	0.08	0.07	1109.8	1.52	0
40	2.66	74.56	1.02	-0.96	0	77.33	1.36	5	2.1	120.94	0.16	0.08	0.08	993.01	1.36	0
41	2.7	72.39	0.79	-0.52	0	71.98	1.15	5	2.08	120.94	0.16	0.08	0.08	908.06	1.15	0
42	2.8	69.03	0.66	-0.52	0	68.18	1.01	5	2.06	120.94	0.17	0.09	0.08	829.81	1.01	0
43	2.85	63.14	0.61	-0.52	0	64.04	0.96	5	2.07	120.94	0.17	0.09	0.08	767.44	0.96	0
44	2.9	59.96	0.57	-0.52	0	59.77	0.98	5	2.1	120.94	0.18	0.09	0.08	703.57	0.98	0
45	2.99	56.24	0.57	-0.35	0	57.02	1.01	5	2.13	120.94	0.18	0.09	0.09	649.5	1.01	0
46	3.04	54.88	0.58	0	0	53.34	1.1	5	2.17	120.94	0.18	0.09	0.09	598.74	1.1	0
47	3.08	48.89	0.61	0.26	0	49.92	1.27	5	2.23	120.94	0.19	0.1	0.09	551.35	1.28	0
48	3.18	45.99	0.72	0.09	0	46.71	1.5	5	2.3	120.94	0.19	0.1	0.09	500.3	1.5	0
49	3.23	45.26	0.77	-0.35	0	47.23	1.61	5	2.31	120.94	0.2	0.1	0.09	498.13	1.62	0
50	3.31	50.44	0.79	-0.17	0	50.83	1.55	5	2.28	120.94	0.2	0.1	0.1	523.26	1.55	0
51	3.37	56.79	0.79	0.52	0	56.55	1.41	5	2.22	120.94	0.2	0.11	0.1	571.31	1.42	0
52	3.42	62.41	0.81	0.96	0	59.34	1.39	5	2.2	120.94	0.21	0.11	0.1	591.8	1.4	0
53	3.52	58.78	0.87	0.87	0	60.79	1.45	5	2.2	120.94	0.21	0.11	0.1	589.03	1.45	0
54	3.56	61.14	0.95	0.96	0	61.09	1.59	5	2.22	120.94	0.22	0.11	0.1	585.12	1.59	0
55	3.62	63.32	1.08	0.7	0	61.97	1.58	5	2.22	120.94	0.22	0.11	0.11	583.99	1.59	0
56	3.71	61.41	0.9	0.96	0	62	1.58	5	2.22	120.94	0.22	0.12	0.11	570.05	1.59	0
57	3.75	61.23	0.96	1.3	0	62.52	1.51	5	2.2	120.94	0.23	0.12	0.11	567.28	1.52	0
58	3.82	64.86	0.97	1.3	0	62.97	1.51	5	2.2	120.94	0.23	0.12	0.11	560.91	1.52	0
59	3.9	62.77	0.92	0.96	0	63.54	1.46	5	2.19	120.94	0.24	0.12	0.11	554.95	1.47	0
60	3.95	62.95	0.89	0.78	0	62.91	1.44	5	2.18	120.94	0.24	0.12	0.12	542.86	1.44	0
61	4.04	62.95	0.9	2.78	0	62.98	1.45	5	2.19	120.94	0.24	0.13	0.12	530.34	1.45	0
62	4.09	62.95	0.94	2.09	0	63.86	1.5	5	2.19	120.94	0.25	0.13	0.12	532.13	1.5	0
63	4.14	65.58	1.03	2.09	0	67.67	1.58	5	2.19	120.94	0.25	0.13	0.12	557.13	1.59	0
64	4.23	74.38	1.25	2.17	0	73.41	1.63	5	2.17	120.94	0.26	0.13	0.12	590.86	1.64	0
65	4.28	80.19	1.32	2.09	0	80.01	1.7	5	2.15	120.94	0.26	0.13	0.13	636.88	1.71	0
66	4.37	85.36	1.52	2.26	0	84.76	1.77	5	2.15	120.94	0.26	0.14	0.13	661.35	1.77	0
67	4.42	88.63	1.65	2.7	0	88.21	1.84	5	2.15	120.94	0.27	0.14	0.13	679.61	1.85	0
68	4.47	90.53	1.71	2.7	0	89.36	1.92	5	2.15	120.94	0.27	0.14	0.13	681.27	1.92	0
69	4.54	88.81	1.78	3.22	0	89.27	1.99	5	2.17	120.94	0.27	0.14	0.13	669.9	1.99	0
70	4.6	88.35	1.83	3.04	0	88.65	2.07	5	2.18	120.94	0.28	0.14	0.13	656.19	2.08	0
71	4.66	88.63	1.89	3.83	0	92.25	2.07	5	2.17	120.94	0.28	0.15	0.14	674.76	2.07	0
72	4.76	99.6	1.99	5.83	0	97.77	2.01	5	2.14	120.94	0.29	0.15	0.14	700.18	2.01	0
73	4.79	104.86	2.01	6.35	0	111.07	1.82	5	2.07	120.94	0.29	0.15	0.14	790.36	1.83	0
74	4.9	128.45	2.07	8.96	0	122.3	1.69	5	2.02	120.94	0.3	0.15	0.14	850.57	1.69	0
75	4.95	133.25	2.12	9.22	0	132.12	1.61	6	1.98	120.94	0.3	0.15	0.14	910.78	1.61	0
76	5	134.25	2.17	9.31	0	132.6	1.62	6	1.98	120.94	0.3	0.16	0.15	905.5	1.62	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
77	5.09	129.9	2.15	9.05	0	129.45	1.66	6	2	120.94	0.31	0.16	0.15	866.59	1.67	0
78	5.14	123.82	2.14	8.96	0	123.89	1.73	5	2.02	120.94	0.31	0.16	0.15	821.94	1.74	0
79	5.19	117.56	2.13	8.27	0	117.35	1.82	5	2.05	120.94	0.31	0.16	0.15	771.42	1.83	0
80	5.28	110.31	2.14	8.61	0	111.58	1.91	5	2.09	120.94	0.32	0.16	0.15	720.38	1.92	0
81	5.33	106.49	2.13	8.53	0	106.44	2	5	2.11	120.94	0.32	0.17	0.16	680.8	2.01	0
82	5.39	102.14	2.12	9.4	0	103.74	2.06	5	2.13	120.94	0.33	0.17	0.16	656.06	2.06	0
83	5.46	102.19	2.14	9.74	0	102.33	2.07	5	2.14	120.94	0.33	0.17	0.16	638.91	2.08	0.01
84	5.52	102.23	2.1	10.79	0	103.43	2.02	5	2.12	120.94	0.33	0.17	0.16	638.31	2.02	0.01
85	5.58	105.41	2.02	12.09	0	109.7	1.82	5	2.07	120.94	0.34	0.17	0.16	670.15	1.82	0.01
86	5.67	120.92	1.86	13.75	0	119.54	1.56	6	2	120.94	0.34	0.18	0.17	719.23	1.57	0.01
87	5.72	131.71	1.73	14.62	0	126.68	1.33	6	1.93	120.94	0.35	0.18	0.17	755.46	1.33	0.01
88	5.81	126.81	1.46	12.27	0	125.66	1.19	6	1.91	120.94	0.35	0.18	0.17	737.24	1.2	0.01
89	5.86	117.92	1.32	10.96	0	114.13	1.14	6	1.92	120.94	0.35	0.18	0.17	664.13	1.14	0
90	5.92	97.33	1.13	0.09	0	101.04	1.08	6	1.95	120.94	0.36	0.18	0.17	581.74	1.08	0
91	5.99	87.72	0.83	-0.43	0	88.35	0.96	6	1.96	120.94	0.36	0.19	0.18	502.61	0.96	0
92	6.05	80.01	0.58	-0.61	0	77.79	0.82	6	1.96	120.94	0.37	0.19	0.18	437.53	0.82	0
93	6.14	65.68	0.49	-1.22	0	68.17	0.76	6	1.99	120.94	0.37	0.19	0.18	377.34	0.77	0
94	6.19	58.87	0.49	-1.13	0	58.89	0.82	6	2.06	120.94	0.37	0.19	0.18	323.06	0.83	0
95	6.24	52.16	0.47	-1.22	0	51.12	0.91	5	2.14	120.94	0.38	0.19	0.18	277.99	0.92	-0.01
96	6.31	42.36	0.44	-0.58	0	43.35	1.03	5	2.23	120.94	0.38	0.2	0.18	232.79	1.03	-0.01
97	6.37	35.56	0.42	0.52	0	34.68	1.18	5	2.34	120.94	0.39	0.2	0.19	184	1.19	-0.01
98	6.48	26.12	0.36	0.09	0	28.06	1.34	5	2.45	120.94	0.39	0.2	0.19	146.04	1.36	-0.01
99	6.53	22.5	0.34	0	0	22.71	1.51	4	2.56	120.94	0.39	0.2	0.19	116.83	1.54	-0.01
100	6.58	19.5	0.32	-0.26	0	19.26	1.66	4	2.64	120.94	0.4	0.21	0.19	98.04	1.7	-0.01
101	6.65	15.78	0.29	0.35	0	16.36	1.82	4	2.72	120.94	0.4	0.21	0.19	82.03	1.86	-0.01
102	6.71	13.79	0.27	0.35	0	13.98	1.99	4	2.8	120.94	0.41	0.21	0.2	69.09	2.05	-0.01
103	6.77	12.34	0.27	0.7	0	12.08	2.28	4	2.88	120.94	0.41	0.21	0.2	58.93	2.36	-0.01
104	6.86	10.07	0.28	1.04	0	10.63	2.68	3	2.97	120.94	0.41	0.21	0.2	50.89	2.79	-0.01
105	6.91	9.43	0.3	1.13	0	9.36	3.26	3	3.06	120.94	0.42	0.22	0.2	44.23	3.41	-0.01
106	6.96	8.53	0.33	1.83	0	8.76	3.84	3	3.13	120.94	0.42	0.22	0.2	40.98	4.04	-0.01
107	7.05	8.25	0.38	2.35	0	8.48	4.34	3	3.17	120.94	0.43	0.22	0.21	39.03	4.57	0
108	7.1	8.53	0.4	3.92	0	8.55	4.61	3	3.18	120.94	0.43	0.22	0.21	39.1	4.86	0.01
109	7.15	8.71	0.41	5.31	0	8.68	4.72	3	3.18	120.94	0.43	0.22	0.21	39.42	4.97	0.03
110	7.22	8.53	0.43	9.74	0	8.75	4.85	3	3.19	120.94	0.44	0.23	0.21	39.34	5.11	0.05
111	7.3	8.62	0.44	11.66	0	8.74	5.06	3	3.2	120.94	0.44	0.23	0.21	38.9	5.33	0.08
112	7.39	8.53	0.46	16.88	0	8.95	5.11	3	3.19	120.94	0.45	0.23	0.22	39.35	5.38	0.11
113	7.44	8.98	0.47	21.23	0	9.4	4.99	3	3.17	120.94	0.45	0.23	0.22	41.15	5.24	0.14
114	7.49	9.8	0.48	24.36	0	10.29	4.61	3	3.12	120.94	0.45	0.23	0.22	44.89	4.83	0.15

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
115	7.58	11.07	0.48	24.28	0	11.13	4.28	3	3.07	120.94	0.46	0.24	0.22	48.16	4.47	0.14
116	7.63	11.52	0.48	21.66	0	11.68	4.11	3	3.04	120.94	0.46	0.24	0.22	50.26	4.28	0.12
117	7.71	11.52	0.49	18.1	0	11.76	4.12	3	3.04	120.94	0.47	0.24	0.23	50.11	4.29	0.1
118	7.76	11.43	0.49	17.4	0	11.65	4.2	3	3.05	120.94	0.47	0.24	0.23	49.24	4.38	0.09
119	7.82	11.25	0.49	17.49	0	11.35	4.28	3	3.06	120.94	0.47	0.24	0.23	47.56	4.47	0.09
120	7.91	10.61	0.47	17.14	0	10.95	4.36	3	3.08	120.94	0.48	0.25	0.23	45.23	4.56	0.09
121	7.97	10.25	0.47	16.71	0	10.49	4.45	3	3.1	120.94	0.48	0.25	0.23	42.93	4.66	0.09
122	8.01	9.89	0.46	15.4	0	10.13	4.49	3	3.11	120.94	0.48	0.25	0.23	41.18	4.71	0.08
123	8.09	9.62	0.44	12.09	0	9.77	4.53	3	3.13	120.94	0.49	0.25	0.24	39.23	4.77	0.07
124	8.15	9.25	0.43	10.35	0	9.38	4.59	3	3.15	120.94	0.49	0.25	0.24	37.25	4.84	0.06
125	8.2	8.8	0.42	9.66	0	8.9	4.69	3	3.17	120.94	0.5	0.26	0.24	35.02	4.97	0.05
126	8.29	8.25	0.4	7.31	0	8.43	5	3	3.21	120.94	0.5	0.26	0.24	32.67	5.32	0.04
127	8.35	7.89	0.44	6.61	0	7.96	5.73	3	3.26	120.94	0.5	0.26	0.24	30.54	6.11	0.03
128	8.41	7.44	0.52	6.61	0	7.84	6.37	3	3.3	120.94	0.51	0.26	0.25	29.78	6.81	0.03
129	8.47	7.89	0.53	6.61	0	7.69	6.03	3	3.29	120.94	0.51	0.26	0.25	28.96	6.46	0.03
130	8.53	7.44	0.34	6.61	0	7.84	5.16	3	3.24	120.94	0.52	0.27	0.25	29.33	5.52	0.03
131	8.63	7.89	0.35	6.7	0	8.08	5.15	3	3.23	120.94	0.52	0.27	0.25	29.94	5.5	0.03
132	8.68	8.62	0.57	6.7	0	15.3	4.14	3	2.95	120.94	0.52	0.27	0.25	58.22	4.29	0.01
133	8.73	29.12	0.99	6.09	0	30.93	2.98	4	2.62	120.94	0.53	0.27	0.26	119.07	3.03	0
134	8.83	54.88	1.21	-1.3	0	45.39	2.5	5	2.45	120.94	0.53	0.28	0.26	173.74	2.53	-0.01
135	8.87	52.16	1.2	-3.65	0	60.22	2.09	5	2.3	120.94	0.54	0.28	0.26	230.03	2.11	-0.01
136	8.95	73.75	1.37	-4.53	0	70.69	1.96	5	2.23	120.94	0.54	0.28	0.26	268.07	1.97	-0.01
137	9.01	86.36	1.59	-4.7	0	78.33	1.95	5	2.2	120.94	0.55	0.28	0.26	295.06	1.96	-0.01
138	9.07	75.06	1.62	-3.05	0	79.21	2.03	5	2.21	120.94	0.55	0.28	0.27	296.53	2.05	-0.01
139	9.16	76.38	1.62	-4.26	0	76.52	2.14	5	2.24	120.94	0.55	0.29	0.27	283.67	2.16	-0.01
140	9.21	78.28	1.67	-3	0	73.72	2.24	5	2.26	120.94	0.56	0.29	0.27	271.65	2.25	-0.01
141	9.26	66.67	1.65	-4.09	0	68.89	2.25	5	2.28	120.94	0.56	0.29	0.27	252.36	2.27	-0.01
142	9.33	61.87	1.32	-2.96	0	66.17	2.1	5	2.28	120.94	0.56	0.29	0.27	240.31	2.12	-0.01
143	9.39	70.12	1.21	-2.7	0	73.58	1.58	5	2.16	120.94	0.57	0.29	0.27	265.69	1.6	-0.01
144	9.49	88.9	0.97	-4.53	0	83.01	1.21	5	2.05	120.94	0.57	0.3	0.28	296.91	1.22	-0.01
145	9.54	90.17	0.85	-4.39	0	91.8	0.94	6	1.94	120.94	0.58	0.3	0.28	326.84	0.95	-0.01
146	9.59	96.52	0.78	-4.26	0	95.19	0.91	6	1.92	120.94	0.58	0.3	0.28	337.31	0.92	-0.01
147	9.68	99.06	0.97	-4.26	0	98.39	1.02	6	1.94	120.94	0.59	0.3	0.28	345.54	1.03	-0.01
148	9.73	99.78	1.26	-4.26	0	99.49	1.17	6	1.97	120.94	0.59	0.3	0.28	347.42	1.18	-0.01
149	9.78	99.83	1.26	-4.44	0	99.75	1.21	6	1.98	120.94	0.59	0.31	0.29	346.6	1.22	-0.01
150	9.87	99.83	1.1	-4.09	0	99.78	1.26	6	1.99	120.94	0.6	0.31	0.29	343.49	1.26	-0.01
151	9.93	99.87	1.39	-4.53	0	105.45	1.51	5	2.03	120.94	0.6	0.31	0.29	361.16	1.52	-0.01
152	10.01	116.84	2.29	-5.39	0	110.17	1.85	5	2.08	120.94	0.61	0.31	0.29	374.14	1.86	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
153	10.05	114.02	2.44	-4.87	0	116.42	1.9	5	2.07	120.94	0.61	0.31	0.29	393.78	1.91	-0.01
154	10.11	118.65	1.92	-6.35	0	121.99	1.42	6	1.97	120.94	0.61	0.32	0.3	410.29	1.43	-0.01
155	10.21	133.53	0.84	-4.96	0	131.08	0.95	6	1.82	120.94	0.62	0.32	0.3	436.69	0.95	-0.01
156	10.26	141.33	0.96	-6.79	0	148.05	0.71	6	1.7	120.94	0.62	0.32	0.3	491.32	0.72	0
157	10.31	169.54	1.36	-5.05	0	160.18	0.86	6	1.73	120.94	0.62	0.32	0.3	529.24	0.86	0
158	10.39	169.9	1.8	-4.26	0	174.98	0.94	6	1.73	120.94	0.63	0.32	0.3	573.7	0.95	0
159	10.43	185.69	1.79	-3.83	0	181.79	1.02	6	1.74	120.94	0.63	0.33	0.31	593.64	1.02	0
160	10.54	189.95	1.98	-4.18	0	176.65	1.13	6	1.78	120.94	0.64	0.33	0.31	570.65	1.14	0
161	10.6	154.48	2.23	-3.65	0	166.19	1.33	6	1.85	120.94	0.64	0.33	0.31	534.14	1.34	0
162	10.63	154.3	2.44	-3.48	0	154.26	1.54	6	1.92	120.94	0.64	0.33	0.31	493.96	1.55	0
163	10.73	154.12	2.45	-1.57	0	153.32	1.59	6	1.93	120.94	0.65	0.33	0.31	486.62	1.6	0
164	10.78	151.67	2.42	-4.35	0	153.91	1.54	6	1.92	120.94	0.65	0.34	0.32	485.87	1.55	0
165	10.83	156.11	2.24	-5.48	0	155.37	1.38	6	1.88	120.94	0.66	0.34	0.32	488.21	1.39	0
166	10.93	158.56	1.77	-6.87	0	160.01	1.17	6	1.82	120.94	0.66	0.34	0.32	498.52	1.17	-0.01
167	10.98	165.64	1.6	-6.87	0	155.02	1.07	6	1.81	120.94	0.66	0.34	0.32	480.65	1.08	-0.01
168	11.03	141.15	1.63	-6.87	0	148.52	1.11	6	1.83	120.94	0.67	0.34	0.32	458.47	1.11	-0.01
169	11.12	139.06	1.71	-7.22	0	138.38	1.22	6	1.88	120.94	0.67	0.35	0.33	423.5	1.23	-0.01
170	11.16	135.25	1.74	-7.57	0	131	1.3	6	1.92	120.94	0.68	0.35	0.33	399.1	1.31	-0.01
171	11.26	119.01	1.67	-7.13	0	123.38	1.32	6	1.94	120.94	0.68	0.35	0.33	372.42	1.33	-0.01
172	11.31	116.2	1.47	-7.13	0	114.13	1.32	6	1.96	120.94	0.68	0.35	0.33	342.91	1.33	-0.01
173	11.36	107.49	1.37	-6.53	0	106.15	1.35	6	1.99	120.94	0.69	0.35	0.33	317.46	1.36	-0.01
174	11.46	95.07	1.46	-7.13	0	98.71	1.44	5	2.04	120.94	0.69	0.36	0.34	292.45	1.45	-0.01
175	11.5	93.89	1.43	-7.74	0	96.35	1.47	5	2.05	120.94	0.7	0.36	0.34	284.38	1.48	-0.01
176	11.55	100.42	1.35	-7.57	0	104.09	1.29	6	1.99	120.94	0.7	0.36	0.34	306.03	1.3	-0.01
177	11.65	118.29	1.24	-8.09	0	113.76	1.11	6	1.92	120.94	0.7	0.36	0.34	331.89	1.11	-0.01
178	11.69	122.91	1.19	-7.83	0	119.37	0.99	6	1.87	120.94	0.71	0.37	0.34	346.97	1	-0.01
179	11.75	117.2	1.12	-4.44	0	121.29	0.94	6	1.85	120.94	0.71	0.37	0.34	350.77	0.95	-0.01
180	11.84	124	1.12	-4.79	0	119.88	0.93	6	1.85	120.94	0.72	0.37	0.35	344.14	0.94	-0.01
181	11.88	118.65	1.1	-5.39	0	122.59	0.88	6	1.83	120.94	0.72	0.37	0.35	350.64	0.88	-0.01
182	11.98	125.36	1.01	-5.66	0	121.83	0.85	6	1.82	120.94	0.72	0.37	0.35	345.55	0.85	-0.01
183	12.03	121.73	0.99	-6.26	0	122.85	0.82	6	1.8	120.94	0.73	0.38	0.35	347.09	0.82	-0.01
184	12.08	121.73	1.01	-6.87	0	121.67	0.9	6	1.83	120.94	0.73	0.38	0.35	342.38	0.9	-0.01
185	12.14	121.83	1.28	-6.92	0	122.06	1.12	6	1.9	120.94	0.73	0.38	0.36	341.58	1.13	-0.01
186	12.22	122.91	1.82	-6.92	0	122.21	1.4	6	1.96	120.94	0.74	0.38	0.36	339.84	1.41	-0.01
187	12.28	122.19	2.04	-6.96	0	123.36	1.7	5	2.02	120.94	0.74	0.38	0.36	341.45	1.71	-0.01
188	12.36	125.27	2.41	-6.96	0	126.05	1.88	5	2.04	120.94	0.75	0.39	0.36	346.48	1.89	-0.01
189	12.44	130.99	2.66	-6.87	0	132.52	1.91	5	2.03	120.94	0.75	0.39	0.36	362.25	1.92	-0.01
190	12.49	141.6	2.53	-6.61	0	145.95	1.74	6	1.98	120.94	0.76	0.39	0.37	397.37	1.75	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
191	12.54	165.55	2.41	-6.79	0	157.47	1.45	6	1.89	120.94	0.76	0.39	0.37	427.21	1.46	-0.01
192	12.6	165.55	1.9	-6.53	0	155.36	1.33	6	1.87	120.94	0.76	0.39	0.37	419.43	1.33	-0.01
193	12.7	135.25	1.88	-6.26	0	155.51	1.21	6	1.84	120.94	0.77	0.4	0.37	416.54	1.21	-0.01
194	12.74	166	1.85	-5.39	0	151.74	1.24	6	1.86	120.94	0.77	0.4	0.37	405.05	1.25	-0.01
195	12.84	154.21	1.92	-6	0	162.15	1.11	6	1.8	120.94	0.78	0.4	0.38	429.72	1.12	0
196	12.89	166.46	1.64	-3.29	0	157.78	1.04	6	1.79	120.94	0.78	0.4	0.38	416.31	1.04	0
197	12.95	152.76	1.35	2.44	0	161.57	0.86	6	1.73	120.94	0.78	0.4	0.38	424.48	0.86	0
198	13	165.5	1.17	0.17	0	156.54	0.76	6	1.7	120.94	0.79	0.41	0.38	409.54	0.76	0
199	13.08	151.31	1.05	0.09	0	160.46	0.67	6	1.66	120.94	0.79	0.41	0.38	417.42	0.68	0
200	13.15	164.55	1.02	0.09	0	160.21	0.64	6	1.65	120.94	0.79	0.41	0.38	414.56	0.64	0
201	13.19	164.78	1.01	0	0	164.23	0.61	6	1.63	120.94	0.8	0.41	0.39	423.5	0.61	0
202	13.29	163.37	0.97	-1.74	0	164.36	0.6	6	1.62	120.94	0.8	0.41	0.39	420.72	0.6	0
203	13.34	165	0.97	-2.78	0	164.38	0.59	6	1.62	120.94	0.81	0.42	0.39	419.37	0.6	0
204	13.42	164.87	0.98	-2.44	0	164.83	0.59	6	1.62	120.94	0.81	0.42	0.39	417.74	0.6	0
205	13.46	164.73	0.99	-3.22	0	167.27	0.59	6	1.61	120.94	0.81	0.42	0.39	422.9	0.59	0
206	13.53	172.35	0.98	-3.48	0	182.52	0.55	6	1.57	120.94	0.82	0.42	0.4	459.21	0.56	0
207	13.62	210.63	1.07	-2.96	0	198.37	0.56	6	1.54	120.94	0.82	0.43	0.4	495.71	0.56	0
208	13.66	212.26	1.28	-3.31	0	217.14	0.61	6	1.53	120.94	0.83	0.43	0.4	541.18	0.61	0
209	13.72	228.68	1.61	-4.61	0	231.28	0.68	6	1.55	120.94	0.83	0.43	0.4	574.42	0.68	0
210	13.81	253.08	1.85	-4.44	0	240.98	0.77	6	1.57	120.94	0.83	0.43	0.4	594.64	0.77	0
211	13.86	241.38	2.1	-3.86	0	245.49	0.88	6	1.61	120.94	0.84	0.43	0.41	603.44	0.89	0
212	13.96	242.2	2.55	-3.86	0	241.7	0.97	6	1.64	120.94	0.84	0.44	0.41	590.02	0.97	0
213	14.01	241.65	2.35	-2	0	240.37	0.98	6	1.64	120.94	0.85	0.44	0.41	584.58	0.98	0
214	14.05	237.39	2.15	-3.39	0	238.59	0.92	6	1.63	120.94	0.85	0.44	0.41	578.4	0.92	0
215	14.13	236.85	2.07	-3.83	0	243.48	0.85	6	1.6	120.94	0.85	0.44	0.41	587.25	0.85	0
216	14.19	256.35	1.98	-3.57	0	234.68	0.84	6	1.6	120.94	0.86	0.44	0.42	563.23	0.84	0
217	14.24	210.99	1.83	-3.13	0	225.71	0.8	6	1.6	120.94	0.86	0.44	0.42	539.74	0.81	0
218	14.32	209.91	1.64	-2.35	0	210.38	0.8	6	1.62	120.94	0.87	0.45	0.42	500.03	0.8	0
219	14.39	210.36	1.58	-2.35	0	209.66	0.7	6	1.59	120.94	0.87	0.45	0.42	496.12	0.71	0
220	14.48	208.82	1.2	-2.35	0	209.6	0.61	6	1.55	120.94	0.88	0.45	0.42	492.7	0.62	0
221	14.53	209.72	1.07	-2.78	0	208.63	0.55	6	1.52	120.94	0.88	0.45	0.43	488.76	0.55	0
222	14.58	207.46	1.19	-2.17	0	208.14	0.56	6	1.53	120.94	0.88	0.46	0.43	486.06	0.57	0
223	14.65	207.37	1.26	-3.74	0	207.68	0.59	6	1.54	120.94	0.89	0.46	0.43	482.73	0.59	0
224	14.72	208.36	1.22	-3.65	0	208.67	0.59	6	1.54	120.94	0.89	0.46	0.43	482.56	0.6	0
225	14.77	210.45	1.23	-3.65	0	209.73	0.56	6	1.52	120.94	0.89	0.46	0.43	483.53	0.57	0
226	14.87	210.54	1.09	-3.31	0	213.06	0.54	6	1.51	120.94	0.9	0.46	0.43	487.85	0.54	0
227	14.91	218.34	1.14	-3.83	0	220.98	0.53	6	1.49	120.94	0.9	0.47	0.44	504.76	0.53	0
228	14.96	234.22	1.28	-4.53	0	243.04	0.56	6	1.47	120.94	0.9	0.47	0.44	553.32	0.56	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
229	15.06	276.76	1.68	-5.39	0	268.8	0.6	6	1.46	120.94	0.91	0.47	0.44	608.01	0.6	0
230	15.1	295.63	1.89	-5.31	0	301.17	0.71	6	1.48	120.94	0.91	0.47	0.44	679.87	0.71	0
231	15.18	331.37	2.85	-5.74	0	328.27	0.88	6	1.52	120.94	0.92	0.47	0.44	737.34	0.89	0
232	15.25	358.04	3.96	-5.66	0	353.39	0.64	6	1.4	120.94	0.92	0.48	0.45	790.18	0.64	0
233	15.29	371.01	0	-5.74	0	367.09	0.36	7	1.21	120.94	0.92	0.48	0.45	818.63	0.36	0
234	15.37	372.46	0	-5.39	0	383.12	0	0	0	120.94	0.93	0.48	0.45	850.17	0	0
235	15.44	406.11	0	-4.96	0	402.26	0	0	0	120.94	0.93	0.48	0.45	888.63	0	0
236	15.49	428.43	0	-5.57	0	424.98	0	0	0	120.94	0.94	0.48	0.45	936.09	0	0
237	15.58	440.58	0	-1.57	0	443.99	0	0	0	120.94	0.94	0.49	0.46	972.26	0	0
238	15.62	463.08	0	-1.57	0	455.56	0	0	0	120.94	0.94	0.49	0.46	994.84	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
1	0	1	495.54	0	-55.72	11.64	-70	0	N/A	N/A
2	0	1	209.1	0	-24.46	5.53	-13.45	0	N/A	N/A
3	0	1	165.94	0	-19.71	4.83	-6.34	0	N/A	N/A
4	0	1	136.51	0	-8.95	3.24	0.23	0	N/A	N/A
5	0	1	101.61	0	-4.67	0.34	0.48	0	N/A	N/A
6	2	1	88.45	4.06	2.77	-1.94	0.92	1	Organic soil	Clay-like - Contractive - Sensitive
7	3	1	72.2	3.29	38.68	-3.2	3.97	2	Clay	Clay-like - Contractive
8	9	0.9	42.29	2.75	61.17	-2.86	11.45	3	Very stiff fine grained	Clay-like - Dilative
9	6	0.58	10.85	1.93	122.01	-2.61	57.02	7	Sand & silty sand	Sand like - Dilative
10	6	0.5	7.25	1.72	163.23	-2.19	80.52	7	Sand & silty sand	Sand like - Dilative
11	6	0.45	5.85	1.59	205.03	-2.7	96.41	7	Sand & silty sand	Sand like - Dilative
12	6	0.46	5.82	1.61	211.42	-2.69	91.98	7	Sand & silty sand	Sand like - Dilative
13	6	0.48	5.91	1.63	210.36	-2.7	86.55	7	Sand & silty sand	Sand like - Dilative
14	6	0.49	6.07	1.68	201.4	-2.59	79.83	7	Sand & silty sand	Sand like - Dilative
15	6	0.5	5.94	1.7	196.74	-2.52	76.85	7	Sand & silty sand	Sand like - Dilative
16	6	0.5	5.89	1.71	196.39	-2.46	75.02	7	Sand & silty sand	Sand like - Dilative
17	6	0.49	5.54	1.68	208.23	-2.46	78.13	7	Sand & silty sand	Sand like - Dilative
18	6	0.48	5.04	1.64	224.81	-2.29	82.91	7	Sand & silty sand	Sand like - Dilative
19	6	0.45	4.49	1.56	258.34	-1.97	92.78	7	Sand & silty sand	Sand like - Dilative
20	6	0.41	3.91	1.48	302.77	-1.61	104.67	7	Sand & silty sand	Sand like - Dilative
21	6	0.39	3.51	1.41	351.67	-1.37	113.41	7	Sand & silty sand	Sand like - Dilative
22	6	0.37	3.31	1.37	405.25	-1.26	117.01	7	Sand & silty sand	Sand like - Dilative
23	6	0.37	3.22	1.37	432.23	-1.11	114.3	7	Sand & silty sand	Sand like - Dilative
24	6	0.38	3.23	1.38	450.96	-1.16	109.09	7	Sand & silty sand	Sand like - Dilative
25	6	0.39	3.33	1.41	457.2	-1.63	100.08	7	Sand & silty sand	Sand like - Dilative
26	6	0.41	3.42	1.45	459.64	-1.92	92.24	7	Sand & silty sand	Sand like - Dilative
27	6	0.42	3.5	1.48	461.31	-2.02	86.01	7	Sand & silty sand	Sand like - Dilative
28	6	0.42	3.53	1.49	463.66	-1.61	81.94	7	Sand & silty sand	Sand like - Dilative
29	6	0.43	3.54	1.51	463.63	-1.21	78	7	Sand & silty sand	Sand like - Dilative
30	6	0.44	3.6	1.54	464.07	-0.78	73.19	7	Sand & silty sand	Sand like - Dilative
31	6	0.45	3.63	1.57	454.57	-0.55	69.08	7	Sand & silty sand	Sand like - Dilative
32	6	0.46	3.71	1.6	444.43	-0.46	65.4	7	Sand & silty sand	Sand like - Dilative
33	6	0.47	3.76	1.62	431.87	-0.44	63	7	Sand & silty sand	Sand like - Dilative
34	6	0.48	3.79	1.64	413.49	-0.88	61.03	7	Sand & silty sand	Sand like - Dilative
35	6	0.49	3.8	1.66	393.72	-1.41	59.82	7	Sand & silty sand	Sand like - Dilative
36	6	0.49	3.84	1.68	372	-1.91	58.67	7	Sand & silty sand	Sand like - Dilative
37	6	0.5	3.84	1.69	349.8	-2	57.95	7	Sand & silty sand	Sand like - Dilative
38	6	0.51	3.87	1.71	328.45	-2.01	57.21	7	Sand & silty sand	Sand like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
39	6	0.51	3.85	1.72	302.71	-2.02	58.91	7	Sand & silty sand	Sand like - Dilative
40	6	0.51	3.74	1.7	272.81	-1.85	64.07	7	Sand & silty sand	Sand like - Dilative
41	6	0.49	3.58	1.68	243.12	-1.67	72.52	7	Sand & silty sand	Sand like - Dilative
42	6	0.49	3.46	1.66	222.52	-1.53	78.99	7	Sand & silty sand	Sand like - Dilative
43	6	0.49	3.45	1.67	208.33	-1.52	80.74	7	Sand & silty sand	Sand like - Dilative
44	6	0.5	3.5	1.69	197.04	-1.46	78.67	7	Sand & silty sand	Sand like - Dilative
45	6	0.5	3.52	1.71	188.86	-1.31	76.33	7	Sand & silty sand	Sand like - Dilative
46	6	0.52	3.62	1.75	181.93	-1.09	70.99	7	Sand & silty sand	Sand like - Dilative
47	6	0.54	3.78	1.8	177.64	-0.97	63.26	7	Sand & silty sand	Sand like - Dilative
48	6	0.57	3.96	1.86	174.11	-1.07	55.46	7	Sand & silty sand	Sand like - Dilative
49	6	0.57	3.99	1.88	177.43	-1.18	52.48	7	Sand & silty sand	Sand like - Dilative
50	6	0.56	3.85	1.86	184.24	-1.07	54.55	7	Sand & silty sand	Sand like - Dilative
51	6	0.55	3.66	1.81	194.69	-0.75	59.17	7	Sand & silty sand	Sand like - Dilative
52	6	0.54	3.59	1.8	200.45	-0.5	60.16	7	Sand & silty sand	Sand like - Dilative
53	6	0.54	3.56	1.8	203.64	-0.42	58.46	7	Sand & silty sand	Sand like - Dilative
54	6	0.55	3.61	1.83	207.9	-0.49	54.34	7	Sand & silty sand	Sand like - Dilative
55	6	0.55	3.57	1.83	208.58	-0.47	54.56	7	Sand & silty sand	Sand like - Dilative
56	6	0.55	3.54	1.83	206.49	-0.41	54.4	7	Sand & silty sand	Sand like - Dilative
57	6	0.55	3.47	1.82	204.53	-0.29	56.38	7	Sand & silty sand	Sand like - Dilative
58	6	0.55	3.44	1.82	204.02	-0.3	56.4	7	Sand & silty sand	Sand like - Dilative
59	6	0.55	3.38	1.81	202.18	-0.43	57.9	7	Sand & silty sand	Sand like - Dilative
60	6	0.55	3.36	1.81	198.76	-0.13	58.54	7	Sand & silty sand	Sand like - Dilative
61	6	0.55	3.32	1.81	197.11	0.08	58.15	7	Sand & silty sand	Sand like - Dilative
62	6	0.55	3.33	1.82	199.95	0.33	56.66	7	Sand & silty sand	Sand like - Dilative
63	6	0.55	3.31	1.83	211.11	0.19	54.52	7	Sand & silty sand	Sand like - Dilative
64	6	0.55	3.25	1.82	224.95	0.16	53.56	7	Sand & silty sand	Sand like - Dilative
65	6	0.55	3.22	1.81	242.6	0.18	52.12	7	Sand & silty sand	Sand like - Dilative
66	6	0.55	3.18	1.81	254.27	0.26	50.8	7	Sand & silty sand	Sand like - Dilative
67	6	0.55	3.18	1.82	263.93	0.35	49.15	7	Sand & silty sand	Sand like - Dilative
68	6	0.55	3.18	1.83	268.05	0.51	47.52	7	Sand & silty sand	Sand like - Dilative
69	6	0.56	3.19	1.84	268.22	0.55	46	7	Sand & silty sand	Sand like - Dilative
70	6	0.56	3.2	1.86	267.55	0.73	44.33	7	Sand & silty sand	Sand like - Dilative
71	6	0.56	3.16	1.85	274.96	1.17	44.54	7	Sand & silty sand	Sand like - Dilative
72	6	0.56	3.08	1.83	284.03	1.69	45.8	7	Sand & silty sand	Sand like - Dilative
73	6	0.53	2.94	1.78	308.27	2.55	50.27	7	Sand & silty sand	Sand like - Dilative
74	6	0.52	2.82	1.74	325.34	3.04	53.97	7	Sand & silty sand	Sand like - Dilative
75	6	0.51	2.74	1.71	341.86	3.49	56.75	7	Sand & silty sand	Sand like - Dilative
76	6	0.51	2.74	1.71	342.27	3.46	56.31	7	Sand & silty sand	Sand like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
77	6	0.51	2.74	1.72	334.63	3.33	54.86	7	Sand & silty sand	Sand like - Dilative
78	6	0.52	2.77	1.75	324.03	3.13	52.84	7	Sand & silty sand	Sand like - Dilative
79	6	0.53	2.82	1.77	311.84	3.02	50.31	7	Sand & silty sand	Sand like - Dilative
80	6	0.54	2.85	1.8	299.62	2.88	48.02	7	Sand & silty sand	Sand like - Dilative
81	6	0.55	2.89	1.83	289.56	3.02	45.99	7	Sand & silty sand	Sand like - Dilative
82	6	0.56	2.9	1.84	283.49	3.15	44.83	7	Sand & silty sand	Sand like - Dilative
83	6	0.56	2.89	1.85	279.05	3.43	44.44	7	Sand & silty sand	Sand like - Dilative
84	6	0.56	2.86	1.84	278.41	3.78	45.53	7	Sand & silty sand	Sand like - Dilative
85	6	0.54	2.75	1.8	284.73	4.32	50.08	7	Sand & silty sand	Sand like - Dilative
86	6	0.52	2.62	1.73	294.65	4.79	57.3	7	Sand & silty sand	Sand like - Dilative
87	6	0.5	2.5	1.67	297.97	4.76	66.05	7	Sand & silty sand	Sand like - Dilative
88	6	0.49	2.43	1.65	287.82	4.28	71.8	7	Sand & silty sand	Sand like - Dilative
89	6	0.49	2.44	1.66	262.17	2.2	73.56	7	Sand & silty sand	Sand like - Dilative
90	6	0.5	2.45	1.67	233.35	0.4	75.3	7	Sand & silty sand	Sand like - Dilative
91	6	0.5	2.44	1.67	203.22	-1.2	80.26	7	Sand & silty sand	Sand like - Dilative
92	6	0.49	2.42	1.67	177.21	-1.37	86.95	7	Sand & silty sand	Sand like - Dilative
93	6	0.5	2.44	1.69	156.34	-1.46	87.51	7	Sand & silty sand	Sand like - Dilative
94	6	0.53	2.53	1.75	139.7	-1.54	80.74	7	Sand & silty sand	Sand like - Dilative
95	6	0.55	2.63	1.81	125.96	-1.45	73.17	7	Sand & silty sand	Sand like - Dilative
96	6	0.58	2.74	1.88	111.37	-1.23	65.52	7	Sand & silty sand	Sand like - Dilative
97	6	0.61	2.9	1.98	94.14	-1.06	57.16	7	Sand & silty sand	Sand like - Dilative
98	5	0.65	3.05	2.07	79.82	-0.99	50.37	7	Silty sand & sandy silt	Sand like - Dilative
99	5	0.68	3.22	2.16	67.86	-1.09	44.63	7	Silty sand & sandy silt	Sand like - Dilative
100	5	0.71	3.35	2.23	59.72	-1.06	40.69	7	Silty sand & sandy silt	Sand like - Dilative
101	5	0.74	3.48	2.3	52.43	-1.01	37.24	7	Silty sand & sandy silt	Sand like - Dilative
102	5	0.76	3.61	2.37	46.25	-0.9	34.14	7	Silty sand & sandy silt	Sand like - Dilative
103	5	0.79	3.76	2.44	41.48	-0.81	30.68	5	Silty sand & sandy silt	Transitional - Dilative
104	4	0.82	3.9	2.52	37.65	-0.72	27.21	5	Clay & silty clay	Transitional - Dilative
105	4	0.85	4.09	2.61	34.6	-0.59	23.73	5	Clay & silty clay	Transitional - Dilative
106	4	0.88	4.23	2.67	33.37	-0.44	21.19	3	Clay & silty clay	Clay-like - Dilative
107	4	0.89	4.3	2.71	32.72	-0.13	19.46	3	Clay & silty clay	Clay-like - Dilative
108	3	0.9	4.31	2.73	33.11	0.27	18.67	3	Clay	Clay-like - Dilative
109	3	0.9	4.3	2.73	33.49	1.11	18.39	3	Clay	Clay-like - Dilative
110	3	0.9	4.28	2.74	33.61	1.97	18.04	3	Clay	Clay-like - Dilative
111	3	0.91	4.28	2.75	33.56	3.24	17.5	3	Clay	Clay-like - Dilative
112	3	0.91	4.23	2.75	33.97	4.46	17.39	3	Clay	Clay-like - Dilative
113	3	0.9	4.15	2.73	35.15	5.82	17.77	3	Clay	Clay-like - Dilative
114	4	0.88	4.02	2.69	37.37	6.59	18.92	3	Clay & silty clay	Clay-like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
115	4	0.87	3.89	2.65	39.23	6.54	20.08	3	Clay & silty clay	Clay-like - Dilative
116	4	0.86	3.81	2.63	40.44	5.82	20.75	3	Clay & silty clay	Clay-like - Dilative
117	4	0.86	3.78	2.63	40.4	5.02	20.73	3	Clay & silty clay	Clay-like - Dilative
118	4	0.86	3.78	2.64	39.98	4.53	20.4	3	Clay & silty clay	Clay-like - Dilative
119	4	0.87	3.79	2.65	38.97	4.39	20.06	3	Clay & silty clay	Clay-like - Dilative
120	4	0.88	3.79	2.67	37.53	4.26	19.71	3	Clay & silty clay	Clay-like - Dilative
121	4	0.88	3.81	2.69	36.05	4	19.35	3	Clay & silty clay	Clay-like - Dilative
122	4	0.89	3.82	2.7	34.87	3.46	19.15	3	Clay & silty clay	Clay-like - Dilative
123	4	0.9	3.83	2.72	33.56	2.77	18.94	3	Clay & silty clay	Clay-like - Dilative
124	3	0.9	3.84	2.73	32.21	2.16	18.68	3	Clay	Clay-like - Dilative
125	3	0.91	3.87	2.76	30.7	1.67	18.3	3	Clay	Clay-like - Dilative
126	3	0.93	3.91	2.79	29.26	1.27	17.4	3	Clay	Clay-like - Dilative
127	3	0.95	4	2.85	28.21	0.95	15.76	3	Clay	Clay-like - Dilative
128	3	0.96	4.06	2.88	28.11	0.87	14.58	3	Clay	Clay-like - Dilative
129	3	0.96	4.02	2.87	27.25	0.85	15.14	3	Clay	Clay-like - Dilative
130	3	0.94	3.89	2.83	26.89	0.85	16.88	3	Clay	Clay-like - Dilative
131	3	0.94	3.83	2.82	27.38	0.84	16.94	3	Clay	Clay-like - Dilative
132	4	0.85	3.34	2.58	46.7	0.78	20.97	3	Clay & silty clay	Clay-like - Dilative
133	5	0.74	2.86	2.31	82.19	0.01	28.87	5	Silty sand & sandy silt	Transitional - Dilative
134	5	0.68	2.62	2.16	111.16	-0.96	34.54	7	Silty sand & sandy silt	Sand like - Dilative
135	5	0.64	2.45	2.04	138.14	-1.94	41	7	Silty sand & sandy silt	Sand like - Dilative
136	6	0.62	2.36	1.98	156.64	-2.25	43.98	7	Sand & silty sand	Sand like - Dilative
137	6	0.61	2.32	1.95	170.62	-2.18	44.64	7	Sand & silty sand	Sand like - Dilative
138	6	0.61	2.33	1.97	172.92	-2.15	43.12	7	Sand & silty sand	Sand like - Dilative
139	5	0.62	2.34	1.99	168.29	-1.99	41.13	7	Silty sand & sandy silt	Sand like - Dilative
140	5	0.63	2.36	2.01	163.42	-2.08	39.58	7	Silty sand & sandy silt	Sand like - Dilative
141	5	0.64	2.38	2.03	153.62	-1.96	39.15	7	Silty sand & sandy silt	Sand like - Dilative
142	5	0.63	2.36	2.02	146.12	-1.92	41.09	7	Silty sand & sandy silt	Sand like - Dilative
143	6	0.59	2.22	1.92	153.26	-1.96	51.89	7	Sand & silty sand	Sand like - Dilative
144	6	0.55	2.1	1.81	163.53	-2.07	64.27	7	Sand & silty sand	Sand like - Dilative
145	6	0.52	2	1.72	172.1	-2.2	78.02	7	Sand & silty sand	Sand like - Dilative
146	6	0.51	1.97	1.7	176.38	-2.17	80.52	7	Sand & silty sand	Sand like - Dilative
147	6	0.52	1.99	1.72	183.58	-2.15	74.91	7	Sand & silty sand	Sand like - Dilative
148	6	0.53	2.02	1.76	188.41	-2.16	67.98	7	Sand & silty sand	Sand like - Dilative
149	6	0.54	2.02	1.77	189.32	-2.14	66.27	7	Sand & silty sand	Sand like - Dilative
150	6	0.54	2.02	1.78	189.49	-2.15	64.5	7	Sand & silty sand	Sand like - Dilative
151	6	0.56	2.05	1.82	203.46	-2.23	56.23	7	Sand & silty sand	Sand like - Dilative
152	6	0.58	2.1	1.87	217.08	-2.28	47.85	7	Sand & silty sand	Sand like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
153	6	0.57	2.09	1.87	228.49	-2.42	47	7	Sand & silty sand	Sand like - Dilative
154	6	0.54	1.98	1.77	227.39	-2.38	60.11	7	Sand & silty sand	Sand like - Dilative
155	6	0.49	1.85	1.63	228.26	-2.52	83.02	7	Sand & silty sand	Sand like - Dilative
156	6	0.45	1.75	1.52	244.26	-2.41	103.92	7	Sand & silty sand	Sand like - Dilative
157	6	0.46	1.78	1.56	267.73	-2.35	92.41	7	Sand & silty sand	Sand like - Dilative
158	6	0.46	1.77	1.56	291.86	-2.11	87.17	7	Sand & silty sand	Sand like - Dilative
159	6	0.46	1.78	1.58	304.84	-2.03	82.37	7	Sand & silty sand	Sand like - Dilative
160	6	0.48	1.81	1.62	300.31	-1.97	75.48	7	Sand & silty sand	Sand like - Dilative
161	6	0.5	1.86	1.68	290.65	-1.94	65.46	7	Sand & silty sand	Sand like - Dilative
162	6	0.53	1.91	1.74	277.23	-1.74	57.6	7	Sand & silty sand	Sand like - Dilative
163	6	0.53	1.91	1.76	275.91	-1.79	55.99	7	Sand & silty sand	Sand like - Dilative
164	6	0.53	1.9	1.75	274.92	-1.93	57.5	7	Sand & silty sand	Sand like - Dilative
165	6	0.52	1.86	1.71	272.3	-2.33	63.1	7	Sand & silty sand	Sand like - Dilative
166	6	0.49	1.81	1.65	272.08	-2.51	72.48	7	Sand & silty sand	Sand like - Dilative
167	6	0.49	1.79	1.64	260.95	-2.61	77.1	7	Sand & silty sand	Sand like - Dilative
168	6	0.5	1.8	1.66	251.82	-2.63	74.69	7	Sand & silty sand	Sand like - Dilative
169	6	0.51	1.83	1.71	238.72	-2.67	68.4	7	Sand & silty sand	Sand like - Dilative
170	6	0.53	1.86	1.74	228.83	-2.68	64.54	7	Sand & silty sand	Sand like - Dilative
171	6	0.53	1.87	1.76	216.3	-2.66	63.46	7	Sand & silty sand	Sand like - Dilative
172	6	0.54	1.88	1.78	201.37	-2.58	62.73	7	Sand & silty sand	Sand like - Dilative
173	6	0.55	1.9	1.8	188.95	-2.57	60.94	7	Sand & silty sand	Sand like - Dilative
174	6	0.57	1.92	1.84	177.77	-2.6	57.34	7	Sand & silty sand	Sand like - Dilative
175	6	0.57	1.93	1.85	174.08	-2.67	56.29	7	Sand & silty sand	Sand like - Dilative
176	6	0.55	1.87	1.8	183.1	-2.73	62.85	7	Sand & silty sand	Sand like - Dilative
177	6	0.53	1.81	1.73	193.81	-2.72	71.27	7	Sand & silty sand	Sand like - Dilative
178	6	0.51	1.78	1.69	199.26	-2.5	77.85	7	Sand & silty sand	Sand like - Dilative
179	6	0.5	1.76	1.67	200.46	-2.26	80.87	7	Sand & silty sand	Sand like - Dilative
180	6	0.5	1.75	1.67	197.42	-2.08	81.46	7	Sand & silty sand	Sand like - Dilative
181	6	0.49	1.73	1.65	199.76	-2.16	85.04	7	Sand & silty sand	Sand like - Dilative
182	6	0.49	1.72	1.65	197.18	-2.25	86.87	7	Sand & silty sand	Sand like - Dilative
183	6	0.49	1.71	1.63	197.45	-2.35	89.29	7	Sand & silty sand	Sand like - Dilative
184	6	0.5	1.73	1.66	197.56	-2.43	83.48	7	Sand & silty sand	Sand like - Dilative
185	6	0.52	1.77	1.72	202.87	-2.47	71.16	7	Sand & silty sand	Sand like - Dilative
186	6	0.55	1.81	1.79	208.1	-2.46	59.92	7	Sand & silty sand	Sand like - Dilative
187	6	0.57	1.85	1.85	214.4	-2.46	51.51	7	Sand & silty sand	Sand like - Dilative
188	6	0.58	1.86	1.87	220.79	-2.45	47.3	7	Sand & silty sand	Sand like - Dilative
189	6	0.58	1.85	1.87	230.88	-2.42	46.85	7	Sand & silty sand	Sand like - Dilative
190	6	0.56	1.81	1.81	248.41	-2.4	51.28	7	Sand & silty sand	Sand like - Dilative

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
191	6	0.53	1.75	1.74	259.57	-2.37	60.2	7	Sand & silty sand	Sand like - Dilative
192	6	0.52	1.73	1.72	253.06	-2.34	64.55	7	Sand & silty sand	Sand like - Dilative
193	6	0.51	1.71	1.69	249.44	-2.24	69.7	7	Sand & silty sand	Sand like - Dilative
194	6	0.52	1.71	1.7	244.44	-2.2	67.88	7	Sand & silty sand	Sand like - Dilative
195	6	0.5	1.67	1.65	255.33	-2.01	74.69	7	Sand & silty sand	Sand like - Dilative
196	6	0.49	1.66	1.64	246.58	-1.5	78.55	7	Sand & silty sand	Sand like - Dilative
197	6	0.47	1.62	1.58	246.05	-1.11	90.89	7	Sand & silty sand	Sand like - Dilative
198	6	0.46	1.6	1.56	235.59	-0.9	98.42	7	Sand & silty sand	Sand like - Dilative
199	6	0.44	1.57	1.52	237.29	-1.05	107.34	7	Sand & silty sand	Sand like - Dilative
200	6	0.44	1.56	1.5	235.29	-1.06	110.79	7	Sand & silty sand	Sand like - Dilative
201	6	0.43	1.55	1.49	239.04	-1.17	115.07	7	Sand & silty sand	Sand like - Dilative
202	6	0.43	1.54	1.48	238.07	-1.35	116.52	7	Sand & silty sand	Sand like - Dilative
203	6	0.43	1.54	1.48	237.62	-1.5	117.07	7	Sand & silty sand	Sand like - Dilative
204	6	0.43	1.53	1.48	237.66	-1.58	116.94	7	Sand & silty sand	Sand like - Dilative
205	6	0.43	1.53	1.47	240.39	-1.62	118.03	7	Sand & silty sand	Sand like - Dilative
206	6	0.41	1.5	1.43	257.93	-1.65	125.4	7	Sand & silty sand	Sand like - Dilative
207	6	0.41	1.49	1.41	277.5	-1.65	127.25	7	Sand & silty sand	Sand like - Dilative
208	6	0.4	1.48	1.41	303.23	-1.72	122.94	7	Sand & silty sand	Sand like - Dilative
209	6	0.41	1.49	1.43	324.61	-1.81	114.46	7	Sand & silty sand	Sand like - Dilative
210	6	0.42	1.5	1.45	340.55	-1.83	105.36	7	Sand & silty sand	Sand like - Dilative
211	6	0.44	1.52	1.49	351.27	-1.79	94.77	7	Sand & silty sand	Sand like - Dilative
212	6	0.45	1.53	1.52	348.98	-1.64	87.87	7	Sand & silty sand	Sand like - Dilative
213	6	0.45	1.53	1.53	347.2	-1.61	86.91	7	Sand & silty sand	Sand like - Dilative
214	6	0.44	1.52	1.51	341.97	-1.61	91.32	7	Sand & silty sand	Sand like - Dilative
215	6	0.43	1.5	1.48	344.64	-1.69	97.5	7	Sand & silty sand	Sand like - Dilative
216	6	0.44	1.5	1.49	332.03	-1.68	98.17	7	Sand & silty sand	Sand like - Dilative
217	6	0.43	1.5	1.48	318.72	-1.59	100.39	7	Sand & silty sand	Sand like - Dilative
218	6	0.44	1.51	1.5	298.1	-1.52	99.51	7	Sand & silty sand	Sand like - Dilative
219	6	0.43	1.48	1.47	292.77	-1.47	109.33	7	Sand & silty sand	Sand like - Dilative
220	6	0.41	1.46	1.43	288.01	-1.49	120.5	7	Sand & silty sand	Sand like - Dilative
221	6	0.4	1.44	1.4	283.62	-1.48	129.15	7	Sand & silty sand	Sand like - Dilative
222	6	0.41	1.45	1.41	283.24	-1.56	127.32	7	Sand & silty sand	Sand like - Dilative
223	6	0.41	1.45	1.42	283.41	-1.6	123.4	7	Sand & silty sand	Sand like - Dilative
224	6	0.41	1.45	1.42	284.3	-1.68	122.91	7	Sand & silty sand	Sand like - Dilative
225	6	0.41	1.44	1.41	283.9	-1.66	127.47	7	Sand & silty sand	Sand like - Dilative
226	6	0.4	1.43	1.39	286.24	-1.66	131.31	7	Sand & silty sand	Sand like - Dilative
227	6	0.39	1.42	1.38	295.01	-1.71	134.47	7	Sand & silty sand	Sand like - Dilative
228	6	0.39	1.41	1.37	323.07	-1.82	131.98	7	Sand & silty sand	Sand like - Dilative

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
229	6	0.39	1.4	1.36	355.65	-1.9	128.43	7	Sand & silty sand	Sand like - Dilative
230	6	0.4	1.41	1.38	401.06	-1.96	115.51	7	Sand & silty sand	Sand like - Dilative
231	6	0.41	1.43	1.43	443.55	-1.97	97.99	7	Sand & silty sand	Sand like - Dilative
232	7	0.37	1.38	1.31	458.26	-1.99	128.29	7	Sand	Sand like - Dilative
233	7	0.3	1.3	1.13	448.17	-1.97	197.88	7	Sand	Sand like - Dilative
234	0	1	2.35	0	850.17	-1.93	1228.81	0	N/A	N/A
235	0	1	2.34	0	888.63	-1.91	1283.76	0	N/A	N/A
236	0	1	2.34	0	936.09	-1.71	1351.56	0	N/A	N/A
237	0	1	2.32	0	972.26	-1.53	1403.23	0	N/A	N/A
238	0	1	2.32	0	994.84	-1.31	1435.48	0	N/A	N/A

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	SPT N60 (blows/feet)	Constrained Mod. (tsf)	Dr (%)	Friction angle (°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	Und. strength ratio	Kocr
1	0.07	-0.09	0	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
2	0.17	-0.18	0	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
3	0.22	-0.09	0	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
4	0.27	-0.09	0.01	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
5	0.36	0	0.08	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
6	0.41	0	0.24	2	0.00E+00	0.00E+00	0	0.09	0	0	0	5.19	14	0	0.2	0
7	0.5	0.18	0.16	3	3.11E-09	7.89E-07	0	7.93	0	0	0	33.33	14	0.04	2.76	0
8	0.56	1.63	0.12	9	1.28E-07	8.77E-05	1	21.43	0	0	0	45.6	14	0.11	6.72	0
9	0.6	2.9	0.14	6	4.06E-05	1.24E-01	3	95.21	59	40	98.12	125.02	0	0	0	0
10	0.7	31.3	0.22	6	1.78E-04	1.07E+00	5	188.41	68	40	150.33	191.54	0	0	0	0
11	0.74	37.37	0.28	6	4.24E-04	3.40E+00	7	250.71	77	42	200.03	254.88	0	0	0	0
12	0.79	42.73	0.34	6	3.84E-04	3.25E+00	8	264.37	78	42	210.94	268.77	0	0	0	0
13	0.88	35.29	0.32	6	3.17E-04	2.73E+00	8	268.4	78	42	214.15	272.87	0	0	0	0
14	0.94	35.2	0.34	6	2.34E-04	1.98E+00	7	264.44	76	42	210.99	268.84	0	0	0	0
15	1.03	35.11	0.37	6	2.02E-04	1.75E+00	7	270.82	75	41	216.08	275.32	0	0	0	0
16	1.08	35.01	0.36	6	1.88E-04	1.66E+00	8	276.31	75	41	220.46	280.91	0	0	0	0
17	1.13	35.92	0.38	6	2.31E-04	2.22E+00	8	300.13	77	42	239.46	305.12	0	0	0	0
18	1.22	48.62	0.46	6	3.08E-04	3.33E+00	10	337.91	80	42	269.61	343.53	0	0	0	0
19	1.27	57.24	0.5	6	5.26E-04	6.66E+00	12	395.57	86	43	315.61	402.15	0	0	0	0
20	1.32	76.92	0.59	6	9.44E-04	1.45E+01	15	479.79	93	44	382.81	487.77	0	0	0	0
21	1.42	112.21	0.77	6	1.48E-03	2.71E+01	19	570.81	100	45	455.44	580.31	0	0	0	0
22	1.46	128.81	0.89	6	1.98E-03	4.21E+01	22	662.9	100	46	528.91	673.92	0	0	0	0
23	1.56	148.22	1.07	6	2.03E-03	4.69E+01	24	722.6	100	47	576.54	734.61	0	0	0	0
24	1.61	148.86	1.16	6	1.87E-03	4.57E+01	26	762.46	100	47	608.34	775.14	0	0	0	0
25	1.65	145.95	1.23	6	1.48E-03	3.71E+01	26	782.58	100	47	624.4	795.59	0	0	0	0
26	1.75	141.06	1.39	6	1.18E-03	3.01E+01	26	798.45	100	47	637.06	811.73	0	0	0	0
27	1.79	139.51	1.45	6	9.63E-04	2.51E+01	26	812.95	100	47	648.63	826.48	0	0	0	0
28	1.84	138.33	1.5	6	8.42E-04	2.24E+01	26	829.05	100	47	661.48	842.84	0	0	0	0
29	1.93	139.06	1.62	6	7.29E-04	1.98E+01	26	848.83	100	47	677.26	862.95	0	0	0	0
30	1.99	138.52	1.7	6	6.07E-04	1.68E+01	26	863.81	100	47	689.21	878.18	0	0	0	0
31	2.08	131.8	1.77	6	4.99E-04	1.39E+01	26	868.46	100	47	692.92	882.9	0	0	0	0
32	2.13	127	1.79	6	4.13E-04	1.14E+01	25	861.91	100	47	687.69	876.24	0	0	0	0
33	2.17	122.28	1.79	6	3.57E-04	9.69E+00	25	847.78	100	47	676.42	861.88	0	0	0	0
34	2.24	115.75	1.75	6	3.07E-04	8.13E+00	24	827.51	100	47	660.25	841.28	0	0	0	0
35	2.32	108.76	1.68	6	2.71E-04	6.98E+00	23	803.98	100	46	641.47	817.35	0	0	0	0
36	2.37	104.95	1.62	6	2.37E-04	5.84E+00	21	770.61	100	46	614.85	783.43	0	0	0	0
37	2.46	94.52	1.51	6	2.10E-04	4.97E+00	20	740.39	100	45	590.74	752.7	0	0	0	0
38	2.51	90.26	1.43	6	1.85E-04	4.17E+00	19	705.54	97	45	562.93	717.27	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
39	2.56	85.09	1.34	6	1.78E-04	3.75E+00	18	657.36	93	45	524.49	668.3	0	0	0	0
40	2.66	74.56	1.02	6	1.94E-04	3.74E+00	16	600.74	88	44	479.31	610.73	0	0	0	0
41	2.7	72.39	0.79	6	2.34E-04	4.05E+00	15	540.68	83	43	431.39	549.67	0	0	0	0
42	2.8	69.03	0.66	6	2.63E-04	4.22E+00	14	501.22	80	42	399.91	509.56	0	0	0	0
43	2.85	63.14	0.61	6	2.55E-04	3.86E+00	13	473.46	77	42	377.76	481.33	0	0	0	0
44	2.9	59.96	0.57	6	2.17E-04	3.16E+00	13	454.75	75	41	362.83	462.31	0	0	0	0
45	2.99	56.24	0.57	6	1.86E-04	2.66E+00	12	445.8	73	41	355.69	453.22	0	0	0	0
46	3.04	54.88	0.58	6	1.42E-04	1.94E+00	12	425.22	72	41	349.3	445.07	0	0	0	0
47	3.08	48.89	0.61	6	9.77E-05	1.25E+00	11	397.88	71	42	349.82	445.73	0	0	0	0
48	3.18	45.99	0.72	6	6.46E-05	7.70E-01	11	372.17	71	42	352.66	449.35	0	0	0	0
49	3.23	45.26	0.77	6	5.67E-05	6.84E-01	11	376.26	71	42	365	465.08	0	0	0	0
50	3.31	50.44	0.79	6	6.72E-05	8.72E-01	12	405.04	73	42	381.03	485.5	0	0	0	0
51	3.37	56.79	0.79	6	9.26E-05	1.34E+00	13	450.79	75	42	400.21	509.94	0	0	0	0
52	3.42	62.41	0.81	6	1.02E-04	1.54E+00	13	473.05	76	43	412.97	526.2	0	0	0	0
53	3.52	58.78	0.87	6	9.59E-05	1.49E+00	14	484.62	76	43	427.56	544.79	0	0	0	0
54	3.56	61.14	0.95	6	8.02E-05	1.25E+00	14	487.02	77	43	443.73	565.4	0	0	0	0
55	3.62	63.32	1.08	6	8.16E-05	1.29E+00	14	494	77	43	448.74	571.78	0	0	0	0
56	3.71	61.41	0.9	6	7.96E-05	1.26E+00	14	494.21	77	43	450.89	574.51	0	0	0	0
57	3.75	61.23	0.96	6	8.70E-05	1.39E+00	14	498.32	76	43	447.47	570.15	0	0	0	0
58	3.82	64.86	0.97	6	8.67E-05	1.39E+00	14	501.91	76	43	450.94	574.58	0	0	0	0
59	3.9	62.77	0.92	6	9.22E-05	1.50E+00	15	506.44	76	43	449.96	573.33	0	0	0	0
60	3.95	62.95	0.89	6	9.27E-05	1.49E+00	14	501.38	75	43	445.05	567.07	0	0	0	0
61	4.04	62.95	0.9	6	8.97E-05	1.44E+00	14	501.86	75	43	448.08	570.93	0	0	0	0
62	4.09	62.95	0.94	6	8.51E-05	1.39E+00	15	508.9	76	43	458.71	584.48	0	0	0	0
63	4.14	65.58	1.03	6	8.29E-05	1.43E+00	16	539.34	78	43	488.47	622.4	0	0	0	0
64	4.23	74.38	1.25	6	8.69E-05	1.63E+00	17	585.26	80	43	525.58	669.69	0	0	0	0
65	4.28	80.19	1.32	6	9.02E-05	1.84E+00	18	637.99	83	44	569.05	725.08	0	0	0	0
66	4.37	85.36	1.52	6	9.01E-05	1.95E+00	19	675.97	85	44	603.09	768.44	0	0	0	0
67	4.42	88.63	1.65	6	8.68E-05	1.96E+00	20	703.54	87	45	631.99	805.27	0	0	0	0
68	4.47	90.53	1.71	6	8.07E-05	1.84E+00	21	712.75	88	45	648.73	826.59	0	0	0	0
69	4.54	88.81	1.78	6	7.36E-05	1.68E+00	21	711.99	88	45	658.85	839.49	0	0	0	0
70	4.6	88.35	1.83	6	6.61E-05	1.50E+00	21	706.93	87	45	667.1	850	0	0	0	0
71	4.66	88.63	1.89	6	6.97E-05	1.64E+00	22	735.78	89	45	687.62	876.16	0	0	0	0
72	4.76	99.6	1.99	6	7.92E-05	1.98E+00	23	779.89	90	45	712.26	907.55	0	0	0	0
73	4.79	104.86	2.01	6	1.16E-04	3.30E+00	25	886.25	94	45	754.97	961.97	0	0	0	0
74	4.9	128.45	2.07	6	1.54E-04	4.82E+00	27	976.06	96	45	790.28	1006.95	0	0	0	0
75	4.95	133.25	2.12	6	1.91E-04	6.30E+00	28	1029.36	99	45	821.3	1046.48	0	0	0	0
76	5	134.25	2.17	6	1.87E-04	6.21E+00	28	1037.03	99	45	827.42	1054.28	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
77	5.09	129.9	2.15	6	1.68E-04	5.56E+00	28	1032.03	98	45	823.43	1049.2	0	0	0	0
78	5.14	123.82	2.14	6	1.44E-04	4.56E+00	27	988.6	96	45	810.15	1032.27	0	0	0	0
79	5.19	117.56	2.13	6	1.19E-04	3.56E+00	26	936.32	94	45	794.88	1012.81	0	0	0	0
80	5.28	110.31	2.14	6	9.80E-05	2.79E+00	25	890.05	93	45	782.16	996.61	0	0	0	0
81	5.33	106.49	2.13	6	8.24E-05	2.24E+00	25	848.95	91	45	769.74	980.78	0	0	0	0
82	5.39	102.14	2.12	6	7.43E-05	1.97E+00	24	827.31	90	45	764.28	973.82	0	0	0	0
83	5.46	102.19	2.14	6	7.09E-05	1.85E+00	24	816	89	45	760.4	968.88	0	0	0	0
84	5.52	102.23	2.1	6	7.56E-05	2.00E+00	24	824.79	89	45	759.61	967.88	0	0	0	0
85	5.58	105.41	2.02	6	1.02E-04	2.87E+00	25	874.87	90	45	762.59	971.68	0	0	0	0
86	5.67	120.92	1.86	6	1.58E-04	4.83E+00	26	953.59	92	45	768.38	979.06	0	0	0	0
87	5.72	131.71	1.73	6	2.42E-04	7.32E+00	26	945.36	92	44	754.27	961.08	0	0	0	0
88	5.81	126.81	1.46	6	2.92E-04	8.48E+00	26	906.15	91	44	723	921.23	0	0	0	0
89	5.86	117.92	1.32	6	2.73E-04	7.28E+00	24	833	87	43	664.62	846.85	0	0	0	0
90	5.92	97.33	1.13	6	2.45E-04	5.90E+00	21	751.41	82	43	599.53	763.91	0	0	0	0
91	5.99	87.72	0.83	6	2.41E-04	5.09E+00	18	658.74	76	42	525.59	669.69	0	0	0	0
92	6.05	80.01	0.58	6	2.52E-04	4.64E+00	16	575.01	71	41	458.78	584.57	0	0	0	0
93	6.14	65.68	0.49	6	2.17E-04	3.59E+00	14	517.48	67	40	412.88	526.09	0	0	0	0
94	6.19	58.87	0.49	6	1.45E-04	2.17E+00	13	468.09	63	40	383.32	488.42	0	0	0	0
95	6.24	52.16	0.47	6	9.22E-05	1.20E+00	12	405.91	60	39	360.62	459.5	0	0	0	0
96	6.31	42.36	0.44	6	5.49E-05	6.05E-01	10	343.78	56	39	335.44	427.41	0	0	0	0
97	6.37	35.56	0.42	6	2.82E-05	2.48E-01	9	274.36	52	38	302.06	384.87	0	0	0	0
98	6.48	26.12	0.36	5	1.49E-05	1.06E-01	8	221.37	48	37	273.53	348.53	0	0	0	0
99	6.53	22.5	0.34	5	7.98E-06	4.56E-02	7	178.49	44	37	246.9	314.6	0	0	0	0
100	6.58	19.5	0.32	5	4.90E-06	4.14E-02	6	264.08	41	37	228	290.51	0	0	0	0
101	6.65	15.78	0.29	5	3.02E-06	2.16E-02	5	223.39	39	37	210.54	268.27	0	0	0	0
102	6.71	13.79	0.27	5	1.87E-06	1.14E-02	5	189.99	36	37	195.24	248.77	0	0	0	0
103	6.77	12.34	0.27	5	1.10E-06	5.77E-03	4	163.34	34	37	184.71	235.35	0	0	0	0
104	6.86	10.07	0.28	4	6.30E-07	2.88E-03	4	142.97	0	0	0	227.98	14	0.73	3.63	0
105	6.91	9.43	0.3	4	3.47E-07	1.39E-03	4	125.22	0	0	0	222.36	14	0.64	3.16	0
106	6.96	8.53	0.33	4	2.26E-07	8.45E-04	3	116.78	0	0	0	224.15	14	0.6	2.93	0
107	7.05	8.25	0.38	4	1.67E-07	6.03E-04	3	112.69	0	0	0	228.46	14	0.57	2.79	0
108	7.1	8.53	0.4	3	1.51E-07	5.48E-04	4	113.72	0	0	0	234.92	14	0.58	2.79	0
109	7.15	8.71	0.41	3	1.47E-07	5.44E-04	4	115.48	0	0	0	239.6	14	0.59	2.82	0
110	7.22	8.53	0.43	3	1.40E-07	5.20E-04	4	116.36	0	0	0	243.67	14	0.59	2.81	0
111	7.3	8.62	0.44	3	1.27E-07	4.73E-04	4	116.24	0	0	0	247.65	14	0.59	2.78	0
112	7.39	8.53	0.46	3	1.28E-07	4.87E-04	4	119.03	0	0	0	253.28	14	0.61	2.81	0
113	7.44	8.98	0.47	3	1.46E-07	5.85E-04	4	125.35	0	0	0	260.45	14	0.64	2.94	0
114	7.49	9.8	0.48	4	1.98E-07	8.73E-04	4	137.66	0	0	0	270.6	14	0.7	3.21	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle				Und. strength		
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
115	7.58	11.07	0.48	4	2.60E-07	1.24E-03	4	149.46	0	0	0	279.69	14	0.76	3.44	0
116	7.63	11.52	0.48	4	3.04E-07	1.53E-03	5	157.02	0	0	0	285.67	14	0.8	3.59	0
117	7.71	11.52	0.49	4	3.03E-07	1.53E-03	5	158.18	0	0	0	288	14	0.81	3.58	0
118	7.76	11.43	0.49	4	2.83E-07	1.42E-03	5	156.59	0	0	0	288.62	14	0.8	3.52	0
119	7.82	11.25	0.49	4	2.56E-07	1.25E-03	4	152.23	0	0	0	285.7	14	0.78	3.4	0
120	7.91	10.61	0.47	4	2.26E-07	1.06E-03	4	146.6	0	0	0	281.43	14	0.75	3.23	0
121	7.97	10.25	0.47	4	1.98E-07	8.87E-04	4	140.06	0	0	0	275.45	14	0.71	3.07	0
122	8.01	9.89	0.46	4	1.80E-07	7.77E-04	4	135.07	0	0	0	270.24	14	0.69	2.94	0
123	8.09	9.62	0.44	4	1.61E-07	6.71E-04	4	129.91	0	0	0	265.02	14	0.66	2.8	0
124	8.15	9.25	0.43	3	1.43E-07	5.69E-04	4	124.38	0	0	0	259.41	14	0.63	2.66	0
125	8.2	8.8	0.42	3	1.22E-07	4.59E-04	4	117.63	0	0	0	252.46	14	0.6	2.5	0
126	8.29	8.25	0.4	3	9.49E-08	3.37E-04	4	110.95	0	0	0	249.15	14	0.57	2.33	0
127	8.35	7.89	0.44	3	6.51E-08	2.18E-04	4	104.36	0	0	0	250.87	14	0.53	2.18	0
128	8.41	7.44	0.52	3	5.13E-08	1.68E-04	4	102.57	0	0	0	257.48	14	0.52	2.13	0
129	8.47	7.89	0.53	3	5.37E-08	1.73E-04	3	100.42	0	0	0	249.98	14	0.51	2.07	0
130	8.53	7.44	0.34	3	7.28E-08	2.39E-04	3	102.48	0	0	0	241.4	14	0.52	2.1	0
131	8.63	7.89	0.35	3	7.63E-08	2.59E-04	4	105.81	0	0	0	247.16	14	0.54	2.14	0
132	8.68	8.62	0.57	4	4.11E-07	2.73E-03	6	206.9	0	0	0	356.35	14	1.06	4.16	0
133	8.73	29.12	0.99	5	2.88E-06	3.93E-02	10	425.61	48	40	404.57	515.5	0	0	0	0
134	8.83	54.88	1.21	5	8.04E-06	9.25E-02	13	358.87	56	40	495.72	631.64	0	0	0	0
135	8.87	52.16	1.2	5	1.88E-05	2.87E-01	16	477.45	63	41	565.77	720.89	0	0	0	0
136	8.95	73.75	1.37	6	2.81E-05	5.05E-01	18	561.23	67	42	618.28	787.8	0	0	0	0
137	9.01	86.36	1.59	6	3.36E-05	6.69E-01	20	622.29	70	42	663.76	845.75	0	0	0	0
138	9.07	75.06	1.62	6	3.11E-05	6.27E-01	20	629.28	70	42	680.64	867.25	0	0	0	0
139	9.16	76.38	1.62	5	2.60E-05	5.07E-01	20	607.76	69	42	678.74	864.84	0	0	0	0
140	9.21	78.28	1.67	5	2.23E-05	4.18E-01	19	585.32	68	42	672.37	856.73	0	0	0	0
141	9.26	66.67	1.65	5	1.96E-05	3.42E-01	18	546.66	66	42	643.03	819.33	0	0	0	0
142	9.33	61.87	1.32	5	2.07E-05	3.48E-01	17	524.87	65	41	611.12	778.68	0	0	0	0
143	9.39	70.12	1.21	6	4.37E-05	8.17E-01	18	584.1	66	41	594.13	757.03	0	0	0	0
144	9.49	88.9	0.97	6	9.03E-05	1.91E+00	19	659.47	68	41	588.14	749.39	0	0	0	0
145	9.54	90.17	0.85	6	1.74E-04	4.04E+00	20	724.55	70	41	578.1	736.6	0	0	0	0
146	9.59	96.52	0.78	6	1.98E-04	4.66E+00	20	733.91	71	41	585.57	746.12	0	0	0	0
147	9.68	99.06	0.97	6	1.69E-04	4.23E+00	21	780.79	72	41	622.97	793.77	0	0	0	0
148	9.73	99.78	1.26	6	1.32E-04	3.34E+00	22	791.25	73	42	658.91	839.56	0	0	0	0
149	9.78	99.83	1.26	6	1.23E-04	3.13E+00	22	793.28	74	42	668.71	852.06	0	0	0	0
150	9.87	99.83	1.1	6	1.14E-04	2.90E+00	22	793.47	74	42	678.31	864.28	0	0	0	0
151	9.93	99.87	1.39	6	8.56E-05	2.30E+00	24	838.77	76	43	755.33	962.43	0	0	0	0
152	10.01	116.84	2.29	6	5.97E-05	1.68E+00	26	876.54	79	44	842.47	1073.46	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
153	10.05	114.02	2.44	6	6.14E-05	1.82E+00	28	926.52	81	44	886.07	1129.01	0	0	0	0
154	10.11	118.65	1.92	6	1.23E-04	3.82E+00	27	971.02	81	43	819	1043.55	0	0	0	0
155	10.21	133.53	0.84	6	3.16E-04	9.42E+00	27	930.02	81	42	742.04	945.49	0	0	0	0
156	10.26	141.33	0.96	6	6.80E-04	1.99E+01	28	915.03	84	43	730.08	930.25	0	0	0	0
157	10.31	169.54	1.36	6	5.47E-04	1.81E+01	31	1029.81	87	44	821.65	1046.93	0	0	0	0
158	10.39	169.9	1.8	6	5.23E-04	1.90E+01	34	1134.51	91	44	905.2	1153.38	0	0	0	0
159	10.43	185.69	1.79	6	4.73E-04	1.82E+01	36	1200.59	93	44	957.92	1220.56	0	0	0	0
160	10.54	189.95	1.98	6	3.59E-04	1.41E+01	36	1225.99	93	44	978.18	1246.38	0	0	0	0
161	10.6	154.48	2.23	6	2.27E-04	9.11E+00	35	1252.91	91	44	999.66	1273.75	0	0	0	0
162	10.63	154.3	2.44	6	1.47E-04	5.78E+00	34	1228.92	89	44	1003.82	1279.05	0	0	0	0
163	10.73	154.12	2.45	6	1.34E-04	5.26E+00	34	1221.36	89	44	1013.72	1291.66	0	0	0	0
164	10.78	151.67	2.42	6	1.44E-04	5.66E+00	34	1226.08	89	44	1004.7	1280.17	0	0	0	0
165	10.83	156.11	2.24	6	1.86E-04	7.22E+00	33	1214.51	88	44	969.03	1234.71	0	0	0	0
166	10.93	158.56	1.77	6	2.76E-04	1.03E+01	33	1164.04	88	44	928.76	1183.4	0	0	0	0
167	10.98	165.64	1.6	6	3.10E-04	1.10E+01	32	1103.94	86	43	880.81	1122.31	0	0	0	0
168	11.03	141.15	1.63	6	2.69E-04	9.34E+00	31	1085.53	85	43	866.12	1103.59	0	0	0	0
169	11.12	139.06	1.71	6	1.92E-04	6.61E+00	30	1074.31	83	43	857.16	1092.18	0	0	0	0
170	11.16	135.25	1.74	6	1.52E-04	5.09E+00	29	1042.61	81	43	845.89	1077.82	0	0	0	0
171	11.26	119.01	1.67	6	1.33E-04	4.19E+00	27	981.61	79	43	816.01	1039.75	0	0	0	0
172	11.31	116.2	1.47	6	1.15E-04	3.36E+00	26	907.6	76	42	774.23	986.51	0	0	0	0
173	11.36	107.49	1.37	6	9.63E-05	2.60E+00	24	843.73	73	42	743.78	947.71	0	0	0	0
174	11.46	95.07	1.46	6	7.35E-05	1.85E+00	23	784.17	71	42	725.9	924.92	0	0	0	0
175	11.5	93.89	1.43	6	6.74E-05	1.65E+00	23	765.25	71	42	719.53	916.81	0	0	0	0
176	11.55	100.42	1.35	6	1.00E-04	2.66E+00	24	827.11	72	42	723.66	922.08	0	0	0	0
177	11.65	118.29	1.24	6	1.58E-04	4.58E+00	25	904.45	74	42	728.85	928.68	0	0	0	0
178	11.69	122.91	1.19	6	2.14E-04	6.22E+00	25	907.76	75	42	724.28	922.86	0	0	0	0
179	11.75	117.2	1.12	6	2.42E-04	6.99E+00	25	902.31	76	42	719.93	917.32	0	0	0	0
180	11.84	124	1.12	6	2.42E-04	6.90E+00	25	891.83	75	41	711.56	906.66	0	0	0	0
181	11.88	118.65	1.1	6	2.79E-04	7.95E+00	25	888.4	76	42	708.83	903.18	0	0	0	0
182	11.98	125.36	1.01	6	2.92E-04	8.20E+00	25	875.58	75	41	698.6	890.14	0	0	0	0
183	12.03	121.73	0.99	6	3.18E-04	8.86E+00	25	869.48	75	41	693.74	883.95	0	0	0	0
184	12.08	121.73	1.01	6	2.60E-04	7.44E+00	25	893.02	75	41	712.52	907.88	0	0	0	0
185	12.14	121.83	1.28	6	1.69E-04	5.23E+00	26	969	76	42	773.14	985.12	0	0	0	0
186	12.22	122.91	1.82	6	1.06E-04	3.31E+00	28	971.77	77	43	841.33	1072	0	0	0	0
187	12.28	122.19	2.04	6	7.22E-05	2.27E+00	29	980.91	78	43	910.92	1160.68	0	0	0	0
188	12.36	125.27	2.41	6	5.93E-05	1.90E+00	30	1002.42	79	44	964.61	1229.09	0	0	0	0
189	12.44	130.99	2.66	6	6.18E-05	2.09E+00	31	1054.16	81	44	1006.84	1282.89	0	0	0	0
190	12.49	141.6	2.53	6	8.93E-05	3.32E+00	33	1161.55	84	44	1037.95	1322.53	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
191	12.54	165.55	2.41	6	1.51E-04	6.06E+00	34	1253.7	86	44	1018.9	1298.25	0	0	0	0
192	12.6	165.55	1.9	6	1.77E-04	6.95E+00	33	1223.38	85	43	976.1	1243.73	0	0	0	0
193	12.7	135.25	1.88	6	2.17E-04	8.20E+00	33	1181.17	84	43	942.43	1200.82	0	0	0	0
194	12.74	166	1.85	6	1.95E-04	7.33E+00	32	1174.77	84	43	937.32	1194.31	0	0	0	0
195	12.84	154.21	1.92	6	2.74E-04	1.04E+01	33	1180.43	85	43	941.83	1200.06	0	0	0	0
196	12.89	166.46	1.64	6	3.01E-04	1.09E+01	32	1128.96	84	43	900.76	1147.73	0	0	0	0
197	12.95	152.76	1.35	6	4.61E-04	1.58E+01	32	1070.6	84	43	854.2	1088.4	0	0	0	0
198	13	165.5	1.17	6	5.49E-04	1.77E+01	30	1004.87	82	43	801.76	1021.58	0	0	0	0
199	13.08	151.31	1.05	6	7.19E-04	2.26E+01	30	980.85	82	43	782.6	997.17	0	0	0	0
200	13.15	164.55	1.02	6	7.83E-04	2.42E+01	30	964.53	82	43	769.57	980.58	0	0	0	0
201	13.19	164.78	1.01	6	8.98E-04	2.77E+01	30	964.56	83	43	769.6	980.6	0	0	0	0
202	13.29	163.37	0.97	6	9.27E-04	2.85E+01	30	959.64	82	43	765.67	975.6	0	0	0	0
203	13.34	165	0.97	6	9.38E-04	2.88E+01	30	957.69	82	43	764.12	973.62	0	0	0	0
204	13.42	164.87	0.98	6	9.35E-04	2.88E+01	30	960.82	82	43	766.61	976.8	0	0	0	0
205	13.46	164.73	0.99	6	9.77E-04	3.03E+01	31	967.46	83	43	771.91	983.55	0	0	0	0
206	13.53	172.35	0.98	6	1.29E-03	4.16E+01	33	1003.75	86	43	800.86	1020.44	0	0	0	0
207	13.62	210.63	1.07	6	1.50E-03	5.09E+01	35	1063.06	89	44	848.18	1080.74	0	0	0	0
208	13.66	212.26	1.28	6	1.53E-03	5.67E+01	38	1159.87	93	44	925.43	1179.16	0	0	0	0
209	13.72	228.68	1.61	6	1.36E-03	5.49E+01	41	1261.89	96	45	1006.83	1282.88	0	0	0	0
210	13.81	253.08	1.85	6	1.14E-03	4.96E+01	44	1357.45	99	45	1083.07	1380.03	0	0	0	0
211	13.86	241.38	2.1	6	8.74E-04	4.06E+01	46	1451.08	100	45	1157.78	1475.21	0	0	0	0
212	13.96	242.2	2.55	6	6.94E-04	3.31E+01	46	1489.15	100	45	1188.15	1513.92	0	0	0	0
213	14.01	241.65	2.35	6	6.68E-04	3.19E+01	46	1491.45	100	45	1189.99	1516.25	0	0	0	0
214	14.05	237.39	2.15	6	7.54E-04	3.50E+01	45	1447.98	99	45	1155.3	1472.06	0	0	0	0
215	14.13	236.85	2.07	6	9.24E-04	4.21E+01	45	1424.59	99	45	1136.64	1448.28	0	0	0	0
216	14.19	256.35	1.98	6	8.93E-04	3.95E+01	43	1381.24	97	45	1102.05	1404.21	0	0	0	0
217	14.24	210.99	1.83	6	8.99E-04	3.82E+01	42	1326.68	95	45	1058.52	1348.75	0	0	0	0
218	14.32	209.91	1.64	6	7.95E-04	3.22E+01	39	1263.9	92	44	1008.43	1284.92	0	0	0	0
219	14.39	210.36	1.58	6	1.02E-03	3.95E+01	38	1203.35	91	44	960.12	1223.37	0	0	0	0
220	14.48	208.82	1.2	6	1.34E-03	4.91E+01	37	1146.28	91	44	914.58	1165.34	0	0	0	0
221	14.53	209.72	1.07	6	1.61E-03	5.69E+01	37	1102.97	90	44	880.03	1121.31	0	0	0	0
222	14.58	207.46	1.19	6	1.54E-03	5.48E+01	37	1109.31	90	44	885.09	1127.76	0	0	0	0
223	14.65	207.37	1.26	6	1.40E-03	5.06E+01	37	1125.72	90	44	898.18	1144.44	0	0	0	0
224	14.72	208.36	1.22	6	1.39E-03	5.05E+01	37	1132.66	90	44	903.72	1151.5	0	0	0	0
225	14.77	210.45	1.23	6	1.55E-03	5.55E+01	37	1116.4	90	44	890.74	1134.97	0	0	0	0
226	14.87	210.54	1.09	6	1.72E-03	6.12E+01	37	1113.61	90	44	888.52	1132.13	0	0	0	0
227	14.91	218.34	1.14	6	1.92E-03	6.97E+01	38	1131.74	92	44	902.98	1150.56	0	0	0	0
228	14.96	234.22	1.28	6	2.06E-03	8.12E+01	42	1229.52	96	45	981	1249.97	0	0	0	0

Former Nepera Harriman Site
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	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
229	15.06	276.76	1.68	6	2.17E-03	9.38E+01	46	1347.17	100	46	1074.87	1369.57	0	0	0	0
230	15.1	295.63	1.89	6	1.88E-03	9.35E+01	52	1549.88	100	46	1236.6	1575.65	0	0	0	0
231	15.18	331.37	2.85	6	1.34E-03	7.70E+01	59	1797.69	100	47	1434.33	1827.59	0	0	0	0
232	15.25	358.04	3.96	7	3.09E-03	1.65E+02	58	1663.56	100	47	1327.31	1691.22	0	0	0	0
233	15.29	371.01	0	7	1.09E-02	4.80E+02	54	1375.64	100	47	1097.59	1398.52	0	0	0	0
234	15.37	372.46	0	0	0.00E+00	0.00E+00	0	343.9	0	0	0	349.62	0	0	0	0
235	15.44	406.11	0	0	0.00E+00	0.00E+00	0	361.12	0	0	0	367.13	0	0	0	0
236	15.49	428.43	0	0	0.00E+00	0.00E+00	0	381.57	0	0	0	387.91	0	0	0	0
237	15.58	440.58	0	0	0.00E+00	0.00E+00	0	398.66	0	0	0	405.29	0	0	0	0
238	15.62	463.08	0	0	0.00E+00	0.00E+00	0	409.07	0	0	0	415.88	0	0	0	0

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
1	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
2	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
3	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
4	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
5	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
6	0.92	52.56	0	1	0.01	0	0	54.34	150.7	19.72	120.94	28.72	0.76	93.95	0.43
7	12.76	133.19	0	1	0.23	0	0.04	14.9	576.21	10.7	120.94	28.72	0.76	93.95	0.43
8	20.19	155.79	0	1	0.78	0	0.11	5.28	323.06	0.58	120.94	28.72	0.76	93.95	0.43
9	0	257.95	-0.16	0	0	0	0.01	1.26	153.68	0.83	120.94	28.72	0.76	93.95	0.43
10	0	319.29	-0.17	0	0	0	0.02	1.02	167.29	0.85	120.94	28.72	0.76	93.95	0.43
11	0	368.32	-0.2	0	0	0	0.02	1	205.03	0.89	120.94	28.72	0.76	93.95	0.43
12	0	378.22	-0.21	0	0	0	0.02	1	211.42	0.9	120.94	28.72	0.76	93.95	0.43
13	0	381.09	-0.21	0	0	0	0.02	1	210.36	0.9	120.94	28.72	0.76	93.95	0.43
14	0	378.27	-0.2	0	0	0	0.02	1	201.4	0.89	120.94	28.72	0.76	93.95	0.43
15	0	382.81	-0.2	0	0	0	0.03	1	196.74	0.88	120.94	28.72	0.76	93.95	0.43
16	0	386.67	-0.2	0	0	0	0.03	1.01	197.88	0.88	120.94	28.72	0.76	93.95	0.43
17	0	402.99	-0.21	0	0	0	0.03	1	208.23	0.9	120.94	28.72	0.76	93.95	0.43
18	0	427.61	-0.22	0	0	0	0.03	1	224.81	0.91	120.94	28.72	0.76	93.95	0.43
19	0	462.65	-0.24	0	0	0	0.03	1	258.34	0.94	120.94	28.72	0.76	93.95	0.43
20	0	509.52	-0.26	0	0	0	0.04	1	302.77	0.98	120.94	28.72	0.76	93.95	0.43
21	0	555.76	-0.28	0	0	0	0.04	1	351.67	1.02	120.94	28.72	0.76	93.95	0.43
22	0	598.91	-0.3	0	0	0	0.04	1	405.25	1.05	120.94	28.72	0.76	93.95	0.43
23	0	625.3	-0.31	0	0	0	0.05	1	432.23	1.07	120.94	28.72	0.76	93.95	0.43
24	0	642.31	-0.32	0	0	0	0.05	1	450.96	1.08	120.94	28.72	0.76	93.95	0.43
25	0	650.73	-0.32	0	0	0	0.05	1	457.2	1.08	120.94	28.72	0.76	93.95	0.43
26	0	657.3	-0.32	0	0	0	0.06	1	459.64	1.08	120.94	28.72	0.76	93.95	0.43
27	0	663.24	-0.32	0	0	0	0.06	1	461.31	1.08	120.94	28.72	0.76	93.95	0.43
28	0	669.78	-0.32	0	0	0	0.06	1	463.66	1.09	120.94	28.72	0.76	93.95	0.43
29	0	677.72	-0.32	0	0	0	0.06	1	463.63	1.09	120.94	28.72	0.76	93.95	0.43
30	0	683.67	-0.32	0	0	0	0.06	1	464.07	1.09	120.94	28.72	0.76	93.95	0.43
31	0	685.51	-0.32	0	0	0	0.07	1	454.57	1.08	120.94	28.72	0.76	93.95	0.43
32	0	682.92	-0.31	0	0	0	0.07	1	444.43	1.07	120.94	28.72	0.76	93.95	0.43
33	0	677.3	-0.31	0	0	0	0.07	1	431.87	1.07	120.94	28.72	0.76	93.95	0.43
34	0	669.16	-0.3	0	0	0	0.07	1	413.49	1.06	120.94	28.72	0.76	93.95	0.43
35	0	659.57	-0.3	0	0	0	0.07	1	393.72	1.04	120.94	28.72	0.76	93.95	0.43
36	0	645.74	-0.29	0	0	0	0.07	1	372	1.03	120.94	28.72	0.76	93.95	0.43
37	0	632.95	-0.28	0	0	0	0.07	1	349.8	1.01	120.94	28.72	0.76	93.95	0.43
38	0	617.87	-0.27	0	0	0	0.07	1.01	332.68	1	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
39	0	596.41	-0.26	0	0	0	0.07	1.02	309.87	0.99	120.94	28.72	0.76	93.95	0.43
40	0	570.14	-0.24	0	0	0	0.07	1	271.77	0.95	120.94	28.72	0.76	93.95	0.43
41	0	540.89	-0.23	0	0	0	0.07	1	243.12	0.93	120.94	28.72	0.76	93.95	0.43
42	0	520.78	-0.21	0	0	0	0.07	1	222.52	0.91	120.94	28.72	0.76	93.95	0.43
43	0	506.15	-0.21	0	0	0	0.07	1	208.33	0.9	120.94	28.72	0.76	93.95	0.43
44	0	496.05	-0.2	0	0	0	0.07	1	197.04	0.88	120.94	28.72	0.76	93.95	0.43
45	0	491.15	-0.19	0	0	0	0.08	1.01	190.68	0.88	120.94	28.72	0.76	93.95	0.43
46	0	486.71	-0.2	0	0	0	0.08	1.08	197.3	0.88	120.94	28.72	0.76	93.95	0.43
47	0	487.07	-0.2	0	0	0	0.08	1.16	205.77	0.89	120.94	28.72	0.76	93.95	0.43
48	0	489.05	-0.21	0	0	0	0.08	1.21	211.23	0.9	120.94	28.72	0.76	93.95	0.43
49	0	497.53	-0.21	0	0	0	0.09	1.23	217.71	0.91	120.94	28.72	0.76	93.95	0.43
50	0	508.34	-0.21	0	0	0	0.09	1.21	222.69	0.91	120.94	28.72	0.76	93.95	0.43
51	0	520.97	-0.22	0	0	0	0.09	1.17	227.15	0.91	120.94	28.72	0.76	93.95	0.43
52	0	529.22	-0.22	0	0	0	0.09	1.15	230.91	0.92	120.94	28.72	0.76	93.95	0.43
53	0	538.48	-0.22	0	0	0	0.09	1.16	236.51	0.92	120.94	28.72	0.76	93.95	0.43
54	0	548.57	-0.23	0	0	0	0.1	1.19	246.78	0.93	120.94	28.72	0.76	93.95	0.43
55	0	551.66	-0.23	0	0	0	0.1	1.18	247.13	0.93	120.94	28.72	0.76	93.95	0.43
56	0	552.98	-0.23	0	0	0	0.1	1.19	245.32	0.93	120.94	28.72	0.76	93.95	0.43
57	0	550.87	-0.23	0	0	0	0.1	1.18	240.52	0.93	120.94	28.72	0.76	93.95	0.43
58	0	553.01	-0.23	0	0	0	0.1	1.18	240.01	0.93	120.94	28.72	0.76	93.95	0.43
59	0	552.41	-0.22	0	0	0	0.11	1.17	236.02	0.92	120.94	28.72	0.76	93.95	0.43
60	0	549.39	-0.22	0	0	0	0.11	1.17	231.88	0.92	120.94	28.72	0.76	93.95	0.43
61	0	551.25	-0.22	0	0	0	0.11	1.17	230.9	0.92	120.94	28.72	0.76	93.95	0.43
62	0	557.76	-0.22	0	0	0	0.11	1.18	235.74	0.92	120.94	28.72	0.76	93.95	0.43
63	0	575.56	-0.23	0	0	0	0.11	1.18	249.66	0.94	120.94	28.72	0.76	93.95	0.43
64	0	597.03	-0.24	0	0	0	0.12	1.18	264.55	0.95	120.94	28.72	0.76	93.95	0.43
65	0	621.23	-0.25	0	0	0	0.12	1.17	283.99	0.97	120.94	28.72	0.76	93.95	0.43
66	0	639.53	-0.26	0	0	0	0.12	1.17	297.7	0.98	120.94	28.72	0.76	93.95	0.43
67	0	654.68	-0.26	0	0	0	0.13	1.18	310.46	0.99	120.94	28.72	0.76	93.95	0.43
68	0	663.29	-0.27	0	0	0	0.13	1.19	317.98	0.99	120.94	28.72	0.76	93.95	0.43
69	0	668.45	-0.27	0	0	0	0.13	1.2	321.32	0.99	120.94	28.72	0.76	93.95	0.43
70	0	672.62	-0.27	0	0	0	0.13	1.21	323.92	1	120.94	28.72	0.76	93.95	0.43
71	0	682.89	-0.27	0	0	0	0.14	1.2	331.19	1	120.94	28.72	0.76	93.95	0.43
72	0	695.01	-0.27	0	0	0	0.14	1.19	337.65	1.01	120.94	28.72	0.76	93.95	0.43
73	0	715.55	-0.28	0	0	0	0.14	1.13	347.61	1.01	120.94	28.72	0.76	93.95	0.43
74	0	732.09	-0.28	0	0	0	0.15	1.06	346.33	1.01	120.94	28.72	0.76	93.95	0.43
75	0	746.32	-0.28	0	0	0	0.15	1	342.54	1.01	120.94	28.72	0.76	93.95	0.43
76	0	749.09	-0.28	0	0	0	0.15	1.01	345.25	1.01	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
77	0	747.29	-0.28	0	0	0	0.15	1.04	348.28	1.01	120.94	28.72	0.76	93.95	0.43
78	0	741.23	-0.28	0	0	0	0.15	1.08	350.37	1.01	120.94	28.72	0.76	93.95	0.43
79	0	734.21	-0.28	0	0	0	0.15	1.12	350.48	1.02	120.94	28.72	0.76	93.95	0.43
80	0	728.32	-0.28	0	0	0	0.16	1.16	346.94	1.01	120.94	28.72	0.76	93.95	0.43
81	0	722.51	-0.28	0	0	0	0.16	1.18	342.67	1.01	120.94	28.72	0.76	93.95	0.43
82	0	719.94	-0.28	0	0	0	0.16	1.2	339.29	1.01	120.94	28.72	0.76	93.95	0.43
83	0	718.11	-0.27	0	0	0	0.16	1.2	335.6	1	120.94	28.72	0.76	93.95	0.43
84	0	717.74	-0.27	0	0	0	0.16	1.19	332.61	1	120.94	28.72	0.76	93.95	0.43
85	0	719.15	-0.27	0	0	0	0.16	1.15	327.59	1	120.94	28.72	0.76	93.95	0.43
86	0	721.88	-0.26	0	0	0	0.16	1.06	311.61	0.99	120.94	28.72	0.76	93.95	0.43
87	0	715.22	-0.26	0	0	0	0.16	1	297.97	0.98	120.94	28.72	0.76	93.95	0.43
88	0	700.23	-0.25	0	0	0	0.16	1	287.82	0.97	120.94	28.72	0.76	93.95	0.43
89	0	671.37	-0.24	0	0	0	0.16	1	262.17	0.95	120.94	28.72	0.76	93.95	0.43
90	0	637.64	-0.22	0	0	0	0.16	1	233.35	0.92	120.94	28.72	0.76	93.95	0.43
91	0	597.03	-0.2	0	0	0	0.16	1	203.22	0.89	120.94	28.72	0.76	93.95	0.43
92	0	557.8	-0.18	0	0	0	0.15	1	177.21	0.86	120.94	28.72	0.76	93.95	0.43
93	0	529.16	-0.16	0	0	0	0.15	1	156.34	0.84	120.94	28.72	0.76	93.95	0.43
94	0	509.86	-0.16	0	0	0	0.15	1.08	150.92	0.83	120.94	28.72	0.76	93.95	0.43
95	0	494.54	-0.16	0	0	0	0.15	1.17	147.04	0.82	120.94	28.72	0.76	93.95	0.43
96	0	476.96	-0.15	0	0	0	0.15	1.23	137.02	0.81	120.94	28.72	0.76	93.95	0.43
97	0	452.6	-0.13	0	0	0	0.15	1.3	122.03	0.79	120.94	28.72	0.76	93.95	0.43
98	0	430.7	-0.11	0	0	0	0.15	1.39	110.6	0.77	120.94	28.72	0.76	93.95	0.43
99	0	409.2	-0.11	0	0	0	0.14	1.53	103.91	0.76	120.94	28.72	0.76	93.95	0.43
100	0	393.23	-0.1	0	0	0	0.14	1.7	101.62	0.75	120.94	28.72	0.76	93.95	0.43
101	0	377.87	-0.1	0	0	0	0.15	1.93	101.18	0.75	120.94	28.72	0.76	93.95	0.43
102	0	363.88	-0.1	0	0	0	0.15	2.22	102.72	0.75	120.94	28.72	0.76	93.95	0.43
103	0	353.93	-0.11	0	0	0	0.15	2.62	108.86	0.76	120.94	28.72	0.76	93.95	0.43
104	12.42	348.34	0	1	2.51	0	0.73	3.15	118.72	0.58	120.94	28.72	0.76	93.95	0.43
105	11.42	344.03	0	1	2.05	0	0.64	3.84	132.72	0.58	120.94	28.72	0.76	93.95	0.43
106	11.01	345.41	0	1	1.73	0	0.6	4.41	147.16	0.58	120.94	28.72	0.76	93.95	0.43
107	10.8	348.71	0	1	1.53	0	0.57	4.86	158.91	0.58	120.94	28.72	0.76	93.95	0.43
108	10.93	353.61	0	1	1.44	0	0.58	5.02	166.16	0.58	120.94	28.72	0.76	93.95	0.43
109	11.05	357.11	0	1	1.41	0	0.59	5.06	169.32	0.58	120.94	28.72	0.76	93.95	0.43
110	11.09	360.13	0	1	1.37	0	0.59	5.14	172.66	0.58	120.94	28.72	0.76	93.95	0.43
111	11.07	363.06	0	1	1.31	0	0.59	5.29	177.61	0.58	120.94	28.72	0.76	93.95	0.43
112	11.21	367.16	0	1.69	1.3	40	0.61	5.28	179.4	0.58	120.94	28.72	0.76	93.95	0.43
113	11.6	372.32	0	1.73	1.34	40	0.64	5.07	178.15	0.58	120.94	28.72	0.76	93.95	0.43
114	12.33	379.51	0	1.8	1.45	40	0.7	4.6	171.89	0.58	120.94	28.72	0.76	93.95	0.43

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Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
115	12.95	385.83	0	1.85	1.57	40	0.76	4.21	165.34	0.58	120.94	28.72	0.76	93.95	0.43
116	13.34	389.93	0	1.89	1.64	40	0.8	4.01	162.02	0.58	120.94	28.72	0.76	93.95	0.43
117	13.33	391.52	0	1.89	1.63	40	0.81	4.01	162.13	0.58	120.94	28.72	0.76	93.95	0.43
118	13.19	391.94	0	1	1.6	0	0.8	4.1	163.99	0.58	120.94	28.72	0.76	93.95	0.43
119	12.86	389.95	0	1	1.57	0	0.78	4.24	165.11	0.58	120.94	28.72	0.76	93.95	0.43
120	12.38	387.03	0	1	1.53	0	0.75	4.41	165.54	0.58	120.94	28.72	0.76	93.95	0.43
121	11.9	382.89	0	1	1.5	0	0.71	4.6	165.94	0.58	120.94	28.72	0.76	93.95	0.43
122	11.51	379.26	0	1	1.49	0	0.69	4.75	165.47	0.58	120.94	28.72	0.76	93.95	0.43
123	11.07	375.58	0	1	1.47	0	0.66	4.91	164.75	0.58	120.94	28.72	0.76	93.95	0.43
124	10.63	371.58	0	1	1.45	0	0.63	5.1	164.32	0.58	120.94	28.72	0.76	93.95	0.43
125	10.13	366.57	0	1	1.41	0	0.6	5.36	164.54	0.58	120.94	28.72	0.76	93.95	0.43
126	9.65	364.16	0	1	1.32	0	0.57	5.79	169.33	0.58	120.94	28.72	0.76	93.95	0.43
127	9.31	365.41	0	1	1.14	0	0.53	6.48	182.85	0.58	120.94	28.72	0.76	93.95	0.43
128	9.28	370.19	0	1	1.03	0	0.52	6.96	195.56	0.58	120.94	28.72	0.76	93.95	0.43
129	8.99	364.76	0	1	1.08	0	0.51	6.86	187.02	0.58	120.94	28.72	0.76	93.95	0.43
130	8.87	358.45	0	1	1.27	0	0.52	6.27	168.61	0.58	120.94	28.72	0.76	93.95	0.43
131	9.04	362.7	0	1	1.27	0	0.54	6.18	169.28	0.58	120.94	28.72	0.76	93.95	0.43
132	15.41	435.51	0	1	1.63	0	1.06	3.63	169.45	0.58	120.94	28.72	0.76	93.95	0.43
133	0	523.81	-0.17	0	0	0	0.21	1.96	160.74	0.84	120.94	28.72	0.76	93.95	0.43
134	0	579.82	-0.18	0	0	0	0.22	1.53	169.95	0.85	120.94	28.72	0.76	93.95	0.43
135	0	619.43	-0.19	0	0	0	0.23	1.35	186.19	0.87	120.94	28.72	0.76	93.95	0.43
136	0	647.54	-0.2	0	0	0	0.23	1.3	203.11	0.89	120.94	28.72	0.76	93.95	0.43
137	0	670.93	-0.21	0	0	0	0.24	1.28	218.06	0.91	120.94	28.72	0.76	93.95	0.43
138	0	679.41	-0.21	0	0	0	0.24	1.29	222.36	0.91	120.94	28.72	0.76	93.95	0.43
139	0	678.46	-0.21	0	0	0	0.24	1.31	219.65	0.91	120.94	28.72	0.76	93.95	0.43
140	0	675.27	-0.21	0	0	0	0.24	1.32	216.39	0.9	120.94	28.72	0.76	93.95	0.43
141	0	660.37	-0.2	0	0	0	0.24	1.34	206.14	0.89	120.94	28.72	0.76	93.95	0.43
142	0	643.78	-0.2	0	0	0	0.24	1.33	194.93	0.88	120.94	28.72	0.76	93.95	0.43
143	0	634.77	-0.19	0	0	0	0.24	1.25	191.99	0.88	120.94	28.72	0.76	93.95	0.43
144	0	631.56	-0.19	0	0	0	0.24	1.17	191.42	0.88	120.94	28.72	0.76	93.95	0.43
145	0	626.14	-0.18	0	0	0	0.24	1.03	177.44	0.86	120.94	28.72	0.76	93.95	0.43
146	0	630.17	-0.18	0	0	0	0.24	0.99	174.58	0.86	120.94	28.72	0.76	93.95	0.43
147	0	649.99	-0.19	0	0	0	0.25	1.04	190.77	0.88	120.94	28.72	0.76	93.95	0.43
148	0	668.47	-0.2	0	0	0	0.25	1.1	207.59	0.89	120.94	28.72	0.76	93.95	0.43
149	0	673.43	-0.21	0	0	0	0.26	1.12	211.3	0.9	120.94	28.72	0.76	93.95	0.43
150	0	678.24	-0.21	0	0	0	0.26	1.13	214.37	0.9	120.94	28.72	0.76	93.95	0.43
151	0	715.72	-0.23	0	0	0	0.27	1.18	239.72	0.93	120.94	28.72	0.76	93.95	0.43
152	0	755.88	-0.24	0	0	0	0.28	1.22	265.21	0.95	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
153	0	775.19	-0.25	0	0	0	0.28	1.22	278.48	0.96	120.94	28.72	0.76	93.95	0.43
154	0	745.27	-0.23	0	0	0	0.28	1.12	253.94	0.94	120.94	28.72	0.76	93.95	0.43
155	0	709.39	-0.22	0	0	0	0.27	1	228.26	0.92	120.94	28.72	0.76	93.95	0.43
156	0	703.65	-0.23	0	0	0	0.28	1	244.26	0.93	120.94	28.72	0.76	93.95	0.43
157	0	746.48	-0.24	0	0	0	0.29	1	267.73	0.95	120.94	28.72	0.76	93.95	0.43
158	0	783.51	-0.25	0	0	0	0.3	1	291.86	0.97	120.94	28.72	0.76	93.95	0.43
159	0	806	-0.26	0	0	0	0.3	1	304.84	0.98	120.94	28.72	0.76	93.95	0.43
160	0	814.49	-0.26	0	0	0	0.3	1	300.31	0.98	120.94	28.72	0.76	93.95	0.43
161	0	823.38	-0.25	0	0	0	0.3	1	290.65	0.97	120.94	28.72	0.76	93.95	0.43
162	0	825.09	-0.26	0	0	0	0.3	1.08	298.55	0.98	120.94	28.72	0.76	93.95	0.43
163	0	829.15	-0.26	0	0	0	0.31	1.1	302.87	0.98	120.94	28.72	0.76	93.95	0.43
164	0	825.45	-0.26	0	0	0	0.31	1.08	297.25	0.98	120.94	28.72	0.76	93.95	0.43
165	0	810.66	-0.25	0	0	0	0.3	1.01	275.37	0.96	120.94	28.72	0.76	93.95	0.43
166	0	793.64	-0.24	0	0	0	0.31	1	272.08	0.96	120.94	28.72	0.76	93.95	0.43
167	0	772.88	-0.24	0	0	0	0.3	1	260.95	0.95	120.94	28.72	0.76	93.95	0.43
168	0	766.41	-0.23	0	0	0	0.3	1	251.82	0.94	120.94	28.72	0.76	93.95	0.43
169	0	762.44	-0.22	0	0	0	0.3	1	238.76	0.93	120.94	28.72	0.76	93.95	0.43
170	0	757.41	-0.23	0	0	0	0.3	1.07	244.26	0.93	120.94	28.72	0.76	93.95	0.43
171	0	743.91	-0.22	0	0	0	0.3	1.1	237.86	0.92	120.94	28.72	0.76	93.95	0.43
172	0	724.62	-0.22	0	0	0	0.3	1.13	227.37	0.91	120.94	28.72	0.76	93.95	0.43
173	0	710.23	-0.21	0	0	0	0.3	1.16	219.31	0.91	120.94	28.72	0.76	93.95	0.43
174	0	701.63	-0.21	0	0	0	0.3	1.2	213	0.9	120.94	28.72	0.76	93.95	0.43
175	0	698.55	-0.21	0	0	0	0.3	1.21	210.35	0.9	120.94	28.72	0.76	93.95	0.43
176	0	700.55	-0.21	0	0	0	0.3	1.15	211.29	0.9	120.94	28.72	0.76	93.95	0.43
177	0	703.06	-0.2	0	0	0	0.3	1.06	204.98	0.89	120.94	28.72	0.76	93.95	0.43
178	0	700.85	-0.2	0	0	0	0.3	1	199.26	0.89	120.94	28.72	0.76	93.95	0.43
179	0	698.74	-0.2	0	0	0	0.31	1	200.46	0.89	120.94	28.72	0.76	93.95	0.43
180	0	694.67	-0.2	0	0	0	0.31	1	197.42	0.88	120.94	28.72	0.76	93.95	0.43
181	0	693.34	-0.2	0	0	0	0.31	1	199.76	0.89	120.94	28.72	0.76	93.95	0.43
182	0	688.32	-0.2	0	0	0	0.31	1	197.18	0.88	120.94	28.72	0.76	93.95	0.43
183	0	685.92	-0.2	0	0	0	0.31	1	197.45	0.88	120.94	28.72	0.76	93.95	0.43
184	0	695.14	-0.2	0	0	0	0.31	1	197.56	0.88	120.94	28.72	0.76	93.95	0.43
185	0	724.11	-0.21	0	0	0	0.32	1.04	210.98	0.9	120.94	28.72	0.76	93.95	0.43
186	0	755.36	-0.22	0	0	0	0.33	1.14	238.08	0.92	120.94	28.72	0.76	93.95	0.43
187	0	785.98	-0.24	0	0	0	0.34	1.2	257.35	0.94	120.94	28.72	0.76	93.95	0.43
188	0	808.81	-0.24	0	0	0	0.34	1.22	269.89	0.95	120.94	28.72	0.76	93.95	0.43
189	0	826.33	-0.25	0	0	0	0.35	1.22	281.21	0.96	120.94	28.72	0.76	93.95	0.43
190	0	839	-0.25	0	0	0	0.35	1.17	291.16	0.97	120.94	28.72	0.76	93.95	0.43

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
191	0	831.26	-0.25	0	0	0	0.35	1.07	277.71	0.96	120.94	28.72	0.76	93.95	0.43
192	0	813.62	-0.24	0	0	0	0.35	1.02	259.38	0.94	120.94	28.72	0.76	93.95	0.43
193	0	799.46	-0.23	0	0	0	0.35	1	249.44	0.94	120.94	28.72	0.76	93.95	0.43
194	0	797.29	-0.23	0	0	0	0.35	1	243.36	0.93	120.94	28.72	0.76	93.95	0.43
195	0	799.21	-0.23	0	0	0	0.35	1	255.33	0.94	120.94	28.72	0.76	93.95	0.43
196	0	781.59	-0.23	0	0	0	0.35	1	246.58	0.93	120.94	28.72	0.76	93.95	0.43
197	0	761.12	-0.23	0	0	0	0.35	1	246.05	0.93	120.94	28.72	0.76	93.95	0.43
198	0	737.39	-0.22	0	0	0	0.35	1	235.59	0.92	120.94	28.72	0.76	93.95	0.43
199	0	728.52	-0.22	0	0	0	0.35	1	237.29	0.92	120.94	28.72	0.76	93.95	0.43
200	0	722.43	-0.22	0	0	0	0.35	1	235.29	0.92	120.94	28.72	0.76	93.95	0.43
201	0	722.44	-0.22	0	0	0	0.36	1	239.04	0.93	120.94	28.72	0.76	93.95	0.43
202	0	720.6	-0.22	0	0	0	0.36	1	238.07	0.92	120.94	28.72	0.76	93.95	0.43
203	0	719.87	-0.22	0	0	0	0.36	1	237.62	0.92	120.94	28.72	0.76	93.95	0.43
204	0	721.04	-0.22	0	0	0	0.36	1	237.66	0.92	120.94	28.72	0.76	93.95	0.43
205	0	723.53	-0.23	0	0	0	0.36	1	240.39	0.93	120.94	28.72	0.76	93.95	0.43
206	0	736.97	-0.24	0	0	0	0.37	1	257.93	0.94	120.94	28.72	0.76	93.95	0.43
207	0	758.43	-0.25	0	0	0	0.38	1	277.5	0.96	120.94	28.72	0.76	93.95	0.43
208	0	792.22	-0.26	0	0	0	0.39	1	303.23	0.98	120.94	28.72	0.76	93.95	0.43
209	0	826.32	-0.27	0	0	0	0.4	1	324.61	1	120.94	28.72	0.76	93.95	0.43
210	0	857.04	-0.28	0	0	0	0.41	1	340.55	1.01	120.94	28.72	0.76	93.95	0.43
211	0	886.1	-0.28	0	0	0	0.41	1	351.27	1.02	120.94	28.72	0.76	93.95	0.43
212	0	897.65	-0.28	0	0	0	0.41	1	348.98	1.01	120.94	28.72	0.76	93.95	0.43
213	0	898.35	-0.28	0	0	0	0.41	1	347.2	1.01	120.94	28.72	0.76	93.95	0.43
214	0	885.16	-0.28	0	0	0	0.41	1	341.97	1.01	120.94	28.72	0.76	93.95	0.43
215	0	877.98	-0.28	0	0	0	0.42	1	344.64	1.01	120.94	28.72	0.76	93.95	0.43
216	0	864.52	-0.27	0	0	0	0.42	1	332.03	1	120.94	28.72	0.76	93.95	0.43
217	0	847.27	-0.27	0	0	0	0.41	1	318.72	0.99	120.94	28.72	0.76	93.95	0.43
218	0	826.98	-0.26	0	0	0	0.41	1	298.1	0.98	120.94	28.72	0.76	93.95	0.43
219	0	806.93	-0.25	0	0	0	0.41	1	292.77	0.97	120.94	28.72	0.76	93.95	0.43
220	0	787.56	-0.25	0	0	0	0.41	1	288.01	0.97	120.94	28.72	0.76	93.95	0.43
221	0	772.54	-0.25	0	0	0	0.41	1	283.62	0.96	120.94	28.72	0.76	93.95	0.43
222	0	774.76	-0.25	0	0	0	0.41	1	283.24	0.96	120.94	28.72	0.76	93.95	0.43
223	0	780.47	-0.25	0	0	0	0.41	1	283.41	0.96	120.94	28.72	0.76	93.95	0.43
224	0	782.87	-0.25	0	0	0	0.42	1	284.3	0.97	120.94	28.72	0.76	93.95	0.43
225	0	777.23	-0.25	0	0	0	0.42	1	283.9	0.96	120.94	28.72	0.76	93.95	0.43
226	0	776.26	-0.25	0	0	0	0.42	1	286.24	0.97	120.94	28.72	0.76	93.95	0.43
227	0	782.55	-0.26	0	0	0	0.42	1	295.01	0.97	120.94	28.72	0.76	93.95	0.43
228	0	815.66	-0.27	0	0	0	0.44	1	323.07	1	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
229	0	853.79	-0.28	0	0	0	0.45	1	355.65	1.02	120.94	28.72	0.76	93.95	0.43
230	0	915.77	-0.3	0	0	0	0.46	1	401.06	1.05	120.94	28.72	0.76	93.95	0.43
231	0	986.27	-0.31	0	0	0	0.48	1	443.55	1.07	120.94	28.72	0.76	93.95	0.43
232	0	948.76	-0.32	0	0	0	0.48	1	458.26	1.08	120.94	28.72	0.76	93.95	0.43
233	0	862.77	-0.31	0	0	0	0.48	1	448.17	1.08	120.94	28.72	0.76	93.95	0.43
234	0	431.38	0	0	0	0	0	1	850.17	0	120.94	28.72	0.76	93.95	0.43
235	0	442.04	0	0	0	0	0	1	888.63	0	120.94	28.72	0.76	93.95	0.43
236	0	454.39	0	0	0	0	0	1	936.09	0	120.94	28.72	0.76	93.95	0.43
237	0	464.45	0	0	0	0	0	1	972.26	0	120.94	28.72	0.76	93.95	0.43
238	0	470.48	0	0	0	0	0	1	994.84	0	120.94	28.72	0.76	93.95	0.43

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	In situ data					Basic output data										
No	Depth (ft)	qc (tsf)	fs (tsf)	u (psi)	Other	qt (tsf)	Rf(%)	SBT	Ic SBT	γ (pcf)	σ,v (tsf)	u0 (tsf)	σ',vo (tsf)	Qt1	Fr (%)	Bq
1	0.09	0.45	0.01	-0.17	0	0.66	0.72	1	3.83	120.94	0.01	0	0	255.81	0.73	-0.06
2	0.13	1.09	0	-1.13	0	0.9	1.88	2	3.84	120.94	0.01	0	0	228.95	1.89	-0.05
3	0.23	1.18	0.04	-0.35	0	1.2	3.4	2	3.84	120.94	0.01	0.01	0.01	176.99	3.44	-0.05
4	0.28	1.36	0.08	-0.74	0	1.26	6.32	2	3.95	120.94	0.02	0.01	0.01	153.04	6.41	-0.04
5	0.34	1.27	0.12	-0.74	0	1.23	9.42	2	4.05	120.94	0.02	0.01	0.01	121.18	9.58	-0.05
6	0.42	1.09	0.15	-0.74	0	0.99	16.34	2	4.26	120.94	0.03	0.01	0.01	78.33	16.77	-0.07
7	0.47	0.64	0.21	-0.61	0	1.14	20.81	2	4.27	120.94	0.03	0.01	0.01	81.43	21.34	-0.07
8	0.53	1.72	0.35	-1.13	0	17.87	1.69	4	2.67	120.94	0.03	0.02	0.02	1150.43	1.69	0
9	0.61	51.28	0.35	-1.04	0	42.34	0.96	5	2.22	120.94	0.04	0.02	0.02	2367.15	0.96	0
10	0.71	74.06	0.52	-0.17	0	70.21	0.68	6	1.95	120.94	0.04	0.02	0.02	3393.12	0.68	0
11	0.72	85.31	0.56	0.17	0	82.2	0.7	6	1.91	120.94	0.04	0.02	0.02	3874.05	0.7	0
12	0.81	87.22	0.65	0.26	0	88.65	0.76	6	1.9	120.94	0.05	0.03	0.02	3762.69	0.76	0
13	0.88	93.39	0.8	0.78	0	96.09	0.82	6	1.89	120.94	0.05	0.03	0.03	3743.79	0.82	0
14	0.93	107.64	0.9	0.26	0	110.1	0.86	6	1.85	120.94	0.06	0.03	0.03	4040.97	0.86	0
15	0.99	129.24	1.13	0.83	0	136.54	0.78	6	1.76	120.94	0.06	0.03	0.03	4713	0.78	0
16	1.09	172.71	1.16	0.26	0	164.01	0.7	6	1.66	120.94	0.07	0.03	0.03	5127.89	0.7	0
17	1.13	190.04	1.14	0.87	0	196.95	0.61	6	1.57	120.94	0.07	0.04	0.03	5983.17	0.61	0
18	1.18	228.07	1.3	1.31	0	222.59	0.6	6	1.52	120.94	0.07	0.04	0.03	6425.23	0.6	0
19	1.29	249.58	1.55	3.4	0	243.67	0.62	6	1.5	120.94	0.08	0.04	0.04	6470.68	0.62	0
20	1.32	253.21	1.67	4.7	0	257.23	0.69	6	1.51	120.94	0.08	0.04	0.04	6650.23	0.69	0
21	1.38	268.73	2.07	4.61	0	267.71	0.75	6	1.53	120.94	0.08	0.04	0.04	6634.86	0.75	0
22	1.47	280.98	2.32	4.35	0	279.47	0.8	6	1.54	120.94	0.09	0.05	0.04	6479.99	0.8	0
23	1.52	288.51	2.34	4.35	0	284.91	0.82	6	1.54	120.94	0.09	0.05	0.04	6423.13	0.82	0
24	1.59	285.06	2.36	4.35	0	281.96	0.84	6	1.55	120.94	0.1	0.05	0.05	6049.27	0.84	0
25	1.67	272.18	2.41	1.04	0	268.07	0.9	6	1.58	120.94	0.1	0.05	0.05	5495.67	0.9	0
26	1.71	246.85	2.43	2.61	0	249.31	0.97	6	1.63	120.94	0.1	0.05	0.05	4979.38	0.97	0
27	1.8	228.79	2.43	2.96	0	232.01	1.04	6	1.68	120.94	0.11	0.06	0.05	4407	1.04	0
28	1.85	220.26	2.4	3.13	0	221.13	1.07	6	1.7	120.94	0.11	0.06	0.05	4075.52	1.07	0
29	1.91	214.18	2.26	4.09	0	213.53	1.05	6	1.7	120.94	0.12	0.06	0.06	3828.09	1.05	0
30	1.98	206.01	2.06	3.13	0	203.28	1.04	6	1.71	120.94	0.12	0.06	0.06	3516.76	1.04	0
31	2.05	189.5	2.02	2.79	0	187.97	1.07	6	1.75	120.94	0.12	0.06	0.06	3134.24	1.07	0
32	2.14	168.26	1.93	3.66	0	174.21	1.12	6	1.78	120.94	0.13	0.07	0.06	2777.12	1.12	0
33	2.18	164.72	1.89	3.31	0	165.68	1.13	6	1.8	120.94	0.13	0.07	0.06	2600.98	1.13	0
34	2.24	163.9	1.79	3.92	0	164.77	1.09	6	1.79	120.94	0.14	0.07	0.07	2516.16	1.09	0
35	2.3	165.54	1.71	3.83	0	163.65	1.04	6	1.78	120.94	0.14	0.07	0.07	2433.72	1.04	0
36	2.38	161.36	1.61	3.48	0	161.75	1	6	1.77	120.94	0.14	0.07	0.07	2316.53	1	0
37	2.44	158.19	1.52	3.48	0	157.27	0.95	6	1.77	120.94	0.15	0.08	0.07	2204.25	0.95	0
38	2.52	152.11	1.37	3.66	0	153.1	0.91	6	1.76	120.94	0.15	0.08	0.07	2071.66	0.91	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
39	2.58	148.84	1.3	3.4	0	148.74	0.85	6	1.75	120.94	0.16	0.08	0.08	1971.96	0.85	0
40	2.67	145.12	1.14	3.22	0	145.8	0.81	6	1.75	120.94	0.16	0.08	0.08	1862.09	0.81	0
41	2.72	143.3	1.1	4	0	143.23	0.78	6	1.74	120.94	0.16	0.08	0.08	1798.26	0.78	0
42	2.77	141.12	1.1	4.05	0	140.03	0.77	6	1.75	120.94	0.17	0.09	0.08	1727.51	0.77	0
43	2.82	135.5	1.05	4.44	0	134.95	0.76	6	1.75	120.94	0.17	0.09	0.08	1631.72	0.76	0
44	2.91	128.06	0.92	4.09	0	128.72	0.74	6	1.76	120.94	0.18	0.09	0.09	1511.27	0.74	0
45	2.95	122.43	0.88	3.92	0	118.98	0.72	6	1.78	120.94	0.18	0.09	0.09	1374.9	0.72	0
46	3.06	106.27	0.78	3.66	0	109.15	0.72	6	1.81	120.94	0.18	0.1	0.09	1219.37	0.72	0
47	3.1	98.56	0.7	4.79	0	98.8	0.71	6	1.84	120.94	0.19	0.1	0.09	1086.16	0.71	0
48	3.15	91.39	0.63	4.61	0	89.13	0.7	6	1.88	120.94	0.19	0.1	0.09	964.03	0.7	0
49	3.25	77.23	0.55	4.53	0	80.38	0.7	6	1.91	120.94	0.2	0.1	0.09	844.27	0.7	0
50	3.3	72.33	0.51	4.27	0	70.82	0.7	6	1.96	120.94	0.2	0.1	0.1	732.29	0.7	0
51	3.38	62.71	0.43	4.27	0	63.07	0.69	6	2	120.94	0.2	0.11	0.1	635.73	0.69	0
52	3.45	54	0.36	4.22	0	55.63	0.67	6	2.04	120.94	0.21	0.11	0.1	549.24	0.67	0
53	3.49	50.01	0.33	4.18	0	49.55	0.66	5	2.08	120.94	0.21	0.11	0.1	483.49	0.66	0
54	3.58	44.47	0.29	4	0	45.67	0.65	5	2.11	120.94	0.22	0.11	0.1	433.62	0.65	0
55	3.63	42.38	0.27	3.13	0	42.4	0.64	5	2.13	120.94	0.22	0.11	0.11	397.04	0.65	0
56	3.68	40.2	0.26	3.13	0	39.71	0.64	5	2.16	120.94	0.22	0.11	0.11	366.8	0.65	0
57	3.75	36.39	0.24	3.83	0	36.59	0.64	5	2.19	120.94	0.23	0.12	0.11	331.76	0.64	0
58	3.83	33.03	0.21	2.87	0	32.47	0.66	5	2.24	120.94	0.23	0.12	0.11	288.08	0.66	0
59	3.88	27.86	0.2	2.35	0	28.71	0.69	5	2.29	120.94	0.23	0.12	0.11	250.94	0.69	0
60	3.97	25.14	0.19	2.44	0	25.68	0.75	5	2.36	120.94	0.24	0.12	0.12	219.34	0.76	0
61	4.02	23.96	0.19	1.74	0	23.51	0.81	5	2.4	120.94	0.24	0.13	0.12	197.99	0.82	0
62	4.09	21.33	0.19	2.09	0	21.33	0.89	5	2.46	120.94	0.25	0.13	0.12	176.1	0.9	0
63	4.16	18.6	0.19	2.18	0	19.06	1	5	2.53	120.94	0.25	0.13	0.12	154.51	1.01	0
64	4.21	17.15	0.19	2.05	0	16.58	1.19	4	2.62	120.94	0.25	0.13	0.12	132.55	1.21	0
65	4.3	13.89	0.21	2	0	14.79	1.44	4	2.7	120.94	0.26	0.13	0.13	115.48	1.46	0
66	4.35	13.25	0.24	1.13	0	13.18	1.77	4	2.79	120.94	0.26	0.14	0.13	101.55	1.8	0
67	4.4	12.34	0.25	1.31	0	12.21	2.02	4	2.85	120.94	0.27	0.14	0.13	92.8	2.06	0
68	4.46	10.98	0.25	1.74	0	11.06	2.26	3	2.91	120.94	0.27	0.14	0.13	82.66	2.32	0
69	4.54	9.8	0.25	1.74	0	10.19	2.44	3	2.96	120.94	0.27	0.14	0.13	74.6	2.5	0
70	4.62	9.71	0.24	1.74	0	10.46	2.33	3	2.94	120.94	0.28	0.14	0.14	75.4	2.39	0
71	4.69	11.8	0.24	1.22	0	12.34	1.9	4	2.83	120.94	0.28	0.15	0.14	87.94	1.95	0
72	4.73	15.43	0.22	2.44	0	17.24	1.28	4	2.62	120.94	0.29	0.15	0.14	122.56	1.3	0
73	4.81	24.41	0.2	2.44	0	22.79	0.89	5	2.44	120.94	0.29	0.15	0.14	159.92	0.9	0
74	4.87	28.41	0.18	2.44	0	24.36	0.74	5	2.37	120.94	0.29	0.15	0.14	168.86	0.75	0
75	4.92	20.15	0.16	2.44	0	20	0.82	5	2.47	120.94	0.3	0.15	0.14	136.78	0.83	0
76	5	11.34	0.15	1.65	0	13.49	1.09	4	2.68	120.94	0.3	0.16	0.15	90.05	1.12	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
77	5.07	8.89	0.13	1.31	0	9.12	1.49	4	2.89	120.94	0.31	0.16	0.15	59.48	1.54	-0.01
78	5.13	7.08	0.13	1.39	0	6.98	1.87	3	3.04	120.94	0.31	0.16	0.15	44.37	1.96	-0.01
79	5.2	4.9	0.13	1.13	0	5.04	2.55	3	3.23	120.94	0.31	0.16	0.15	31.11	2.72	-0.01
80	5.26	3.09	0.13	1.92	0	3.44	3.73	3	3.46	120.94	0.32	0.16	0.15	20.28	4.11	-0.02
81	5.34	2.27	0.13	1.13	0	2.44	5.14	2	3.66	120.94	0.32	0.17	0.16	13.59	5.92	-0.03
82	5.4	1.91	0.12	1.13	0	1.98	6.1	2	3.77	120.94	0.33	0.17	0.16	10.47	7.3	-0.06
83	5.45	1.72	0.11	0.78	0	1.5	7.73	2	3.93	120.94	0.33	0.17	0.16	7.33	9.91	-0.08
84	5.54	0.82	0.11	1.22	0	1.26	9.59	2	4.05	120.94	0.34	0.17	0.16	5.68	13.09	-0.11
85	5.6	1.18	0.13	1.18	0	0.99	13.69	2	4.22	120.94	0.34	0.17	0.16	3.96	20.83	-0.14
86	5.67	0.91	0.16	1.13	0	1.07	13.51	2	4.19	120.94	0.34	0.18	0.17	4.42	19.84	-0.14
87	5.74	1.09	0.14	0.7	0	0.68	21.18	2	4.46	120.94	0.35	0.18	0.17	1.99	43.16	-0.3
88	5.79	0	0.13	1.39	0	0.2	65.79	2	5.18	120.94	0.35	0.18	0.17	-0.89	-87.37	0.66
89	5.88	-0.54	0.12	1.31	0	0.5	23.47	2	4.6	120.94	0.36	0.18	0.17	0.83	82.11	-0.89
90	5.93	2	0.1	-0.35	0	0.67	15.8	2	4.39	120.94	0.36	0.19	0.17	1.79	34.08	-0.56
91	5.98	0.54	0.1	-0.52	0	0.9	13.63	2	4.25	120.94	0.36	0.19	0.17	3.07	22.8	-0.43
92	6.08	0.18	0.17	-0.87	0	0.38	36.16	2	4.8	120.94	0.37	0.19	0.18	0.08	1023.22	-17.51
93	6.11	0.45	0.14	-0.52	0	0.26	55.61	2	5.04	120.94	0.37	0.19	0.18	-0.59	-138.1	2.11
94	6.17	0.18	0.13	0	0	0.26	67.94	2	5.09	120.94	0.37	0.19	0.18	-0.6	-166.53	2.01
95	6.26	0.18	0.27	-0.52	0	1.51	15.83	2	4.11	120.94	0.38	0.2	0.18	6.16	21.14	-0.19
96	6.31	4.17	0.32	-0.07	0	5.41	6.48	3	3.43	120.94	0.38	0.2	0.18	27.22	6.98	-0.04
97	6.4	11.89	0.46	-0.52	0	11.07	3.91	3	3.05	120.94	0.39	0.2	0.19	57.04	4.05	-0.02
98	6.44	17.15	0.52	-0.09	0	16.03	3.24	3	2.87	120.94	0.39	0.2	0.19	83.01	3.32	-0.01
99	6.51	19.06	0.58	-0.52	0	16.37	3.52	3	2.88	120.94	0.39	0.2	0.19	83.93	3.61	-0.01
100	6.6	12.89	0.63	0.44	0	14.8	4.19	3	2.97	120.94	0.4	0.21	0.19	74.6	4.31	-0.01
101	6.64	12.43	0.65	0.78	0	12.23	5.21	3	3.09	120.94	0.4	0.21	0.19	60.84	5.38	-0.01
102	6.7	11.34	0.63	0.44	0	11.56	5.31	3	3.11	120.94	0.41	0.21	0.2	56.91	5.5	-0.02
103	6.79	10.89	0.56	-0.26	0	11	5.24	3	3.13	120.94	0.41	0.21	0.2	53.3	5.45	-0.02
104	6.84	10.8	0.54	-1.83	0	10.42	5.26	3	3.15	120.94	0.41	0.21	0.2	49.99	5.48	-0.03
105	6.89	9.62	0.54	-2.09	0	9.71	5.58	3	3.19	120.94	0.42	0.22	0.2	46.11	5.83	-0.04
106	6.98	8.8	0.55	-2	0	9.34	5.83	3	3.21	120.94	0.42	0.22	0.2	43.65	6.11	-0.04
107	7.04	9.67	0.55	-1.39	0	8.59	6.3	3	3.26	120.94	0.43	0.22	0.21	39.69	6.63	-0.04
108	7.09	7.35	0.53	0.26	0	8.91	5.85	3	3.23	120.94	0.43	0.22	0.21	40.9	6.14	-0.03
109	7.17	9.71	0.48	0.96	0	9.57	5.16	3	3.17	120.94	0.43	0.22	0.21	43.51	5.41	-0.02
110	7.22	11.62	0.46	0.09	0	11.47	3.99	3	3.04	120.94	0.44	0.23	0.21	52.25	4.15	-0.02
111	7.3	13.07	0.43	-0.43	0	12.49	3.52	3	2.98	120.94	0.44	0.23	0.21	56.41	3.65	-0.02
112	7.36	12.8	0.43	0	0	12.46	3.5	3	2.98	120.94	0.44	0.23	0.22	55.86	3.63	-0.02
113	7.42	11.53	0.45	-0.35	0	11.37	4	3	3.04	120.94	0.45	0.23	0.22	50.33	4.16	-0.02
114	7.48	9.8	0.48	-0.35	0	10.04	4.91	3	3.14	120.94	0.45	0.23	0.22	43.82	5.14	-0.03

Former Nepera Harriman Site
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CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
115	7.56	8.8	0.54	0.17	0	9.32	5.83	3	3.21	120.94	0.46	0.24	0.22	40.07	6.13	-0.03
116	7.65	9.35	0.6	0.7	0	9.47	6.25	3	3.23	120.94	0.46	0.24	0.22	40.26	6.58	-0.02
117	7.68	10.26	0.63	0	0	10.87	5.77	3	3.16	120.94	0.46	0.24	0.22	46.28	6.02	-0.02
118	7.75	12.98	0.65	0.44	0	13.26	4.69	3	3.03	120.94	0.47	0.24	0.23	56.4	4.86	-0.02
119	7.85	16.52	0.59	0.87	0	16.26	3.75	3	2.9	120.94	0.47	0.24	0.23	68.76	3.86	-0.01
120	7.88	19.24	0.6	0.78	0	18.01	3.32	3	2.84	120.94	0.48	0.25	0.23	76.07	3.41	-0.01
121	7.95	18.24	0.61	0.09	0	20.18	2.98	4	2.77	120.94	0.48	0.25	0.23	84.74	3.06	-0.01
122	8.03	23.05	0.6	-0.7	0	23.98	2.62	4	2.67	120.94	0.49	0.25	0.23	100.09	2.67	-0.01
123	8.09	30.68	0.67	-1.65	0	28.17	2.49	4	2.61	120.94	0.49	0.25	0.24	117.05	2.53	-0.01
124	8.14	30.86	0.83	-2.7	0	32.4	2.5	4	2.56	120.94	0.49	0.25	0.24	134.02	2.54	-0.01
125	8.21	35.76	0.93	-3.13	0	34.81	2.54	4	2.54	120.94	0.5	0.26	0.24	142.91	2.58	-0.01
126	8.28	37.94	0.9	-3.13	0	38.19	2.43	4	2.5	120.94	0.5	0.26	0.24	155.67	2.46	-0.01
127	8.38	41.02	0.96	-3.31	0	36.65	2.57	4	2.53	120.94	0.51	0.26	0.24	147.53	2.6	-0.01
128	8.42	31.13	0.96	-3.92	0	32.23	2.96	4	2.61	120.94	0.51	0.26	0.25	128.77	3.01	-0.02
129	8.47	24.69	0.94	-2.87	0	24.34	3.79	4	2.77	120.94	0.51	0.26	0.25	96.14	3.88	-0.02
130	8.54	17.33	0.87	-2.26	0	19.6	4.31	3	2.88	120.94	0.52	0.27	0.25	76.35	4.43	-0.02
131	8.62	16.88	0.73	-2.35	0	16.55	4.52	3	2.95	120.94	0.52	0.27	0.25	63.6	4.67	-0.03
132	8.67	15.52	0.65	-1.57	0	15.43	4.23	3	2.95	120.94	0.52	0.27	0.25	58.81	4.38	-0.03
133	8.73	13.98	0.58	-1.52	0	14.89	3.88	3	2.94	120.94	0.53	0.27	0.26	56.26	4.03	-0.03
134	8.8	15.25	0.5	-1.48	0	14.26	3.66	3	2.94	120.94	0.53	0.27	0.26	53.31	3.8	-0.03
135	8.9	13.61	0.48	-0.87	0	14.59	3.45	3	2.92	120.94	0.54	0.28	0.26	54.01	3.59	-0.03
136	8.94	14.97	0.53	-0.87	0	14.96	3.68	3	2.93	120.94	0.54	0.28	0.26	55.18	3.82	-0.02
137	9	16.34	0.65	-0.87	0	16.72	3.75	3	2.89	120.94	0.54	0.28	0.26	61.42	3.87	-0.02
138	9.09	18.88	0.71	-1.31	0	18.77	3.95	3	2.87	120.94	0.55	0.28	0.27	68.5	4.06	-0.02
139	9.14	21.15	0.87	-1.57	0	20.4	4.37	3	2.87	120.94	0.55	0.29	0.27	74.24	4.49	-0.02
140	9.19	21.24	1.1	-1.57	0	20.28	4.85	3	2.9	120.94	0.56	0.29	0.27	73.36	4.98	-0.02
141	9.26	18.51	0.98	-1.92	0	18.49	5.44	3	2.96	120.94	0.56	0.29	0.27	66.2	5.61	-0.02
142	9.33	15.79	0.94	-2.26	0	27.53	3.36	4	2.7	120.94	0.56	0.29	0.27	98.82	3.43	-0.02
143	9.39	48.37	0.86	-1.04	0	46.29	1.84	5	2.36	120.94	0.57	0.29	0.27	166.46	1.86	-0.01
144	9.48	74.78	0.77	-1.22	0	63.69	1.31	5	2.16	120.94	0.57	0.3	0.28	227.67	1.32	-0.01
145	9.52	67.98	0.89	-1.92	0	75.54	1.26	5	2.09	120.94	0.58	0.3	0.28	269.16	1.27	-0.01
146	9.6	83.95	1.21	-2.96	0	85.31	1.21	6	2.04	120.94	0.58	0.3	0.28	301.85	1.22	-0.01
147	9.69	104.1	1.01	-2.96	0	100.72	1.08	6	1.95	120.94	0.59	0.3	0.28	353.48	1.09	-0.01
148	9.74	114.26	1.04	-4.35	0	112.96	0.95	6	1.87	120.94	0.59	0.3	0.28	394.4	0.95	-0.01
149	9.79	120.7	1.16	-4.27	0	115.44	0.96	6	1.87	120.94	0.59	0.31	0.29	401.14	0.97	-0.01
150	9.85	111.54	1.13	-4.27	0	109.33	1.06	6	1.92	120.94	0.6	0.31	0.29	377.32	1.06	-0.01
151	9.93	95.93	1.18	-4.27	0	100.83	1.18	6	1.97	120.94	0.6	0.31	0.29	344.95	1.18	-0.01
152	9.98	95.2	1.24	-3.31	0	92	1.38	5	2.05	120.94	0.6	0.31	0.29	313.1	1.39	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
153	10.08	85.04	1.39	-3.83	0	84.62	1.56	5	2.11	120.94	0.61	0.31	0.29	285.03	1.57	-0.01
154	10.11	73.78	1.32	-3.22	0	74.52	1.8	5	2.19	120.94	0.61	0.32	0.3	249.87	1.82	-0.01
155	10.22	64.89	1.32	-4.09	0	67.11	1.96	5	2.25	120.94	0.62	0.32	0.3	222.37	1.98	-0.01
156	10.27	62.8	1.32	-3.13	0	62.9	2.09	5	2.29	120.94	0.62	0.32	0.3	207.38	2.11	-0.01
157	10.32	61.17	1.3	-4.09	0	59.58	2.15	5	2.32	120.94	0.62	0.32	0.3	195.37	2.18	-0.01
158	10.41	54.91	1.23	-3.4	0	56.64	2.18	5	2.34	120.94	0.63	0.33	0.3	183.96	2.21	-0.01
159	10.46	54	1.18	-2.61	0	53.02	2.24	5	2.37	120.94	0.63	0.33	0.31	171.23	2.27	-0.01
160	10.51	50.28	1.16	-2.65	0	49.4	2.31	5	2.4	120.94	0.64	0.33	0.31	158.64	2.34	-0.01
161	10.6	44.02	1.09	-2.65	0	46.28	2.4	5	2.43	120.94	0.64	0.33	0.31	147.24	2.43	-0.01
162	10.64	44.65	1.08	-2.7	0	43.64	2.5	5	2.46	120.94	0.64	0.33	0.31	138.09	2.54	-0.01
163	10.73	42.38	1.11	-3.4	0	42.64	2.53	4	2.47	120.94	0.65	0.34	0.31	133.75	2.57	-0.01
164	10.78	41.02	1.05	-3.22	0	45.21	2.5	5	2.45	120.94	0.65	0.34	0.32	141.36	2.53	-0.01
165	10.84	52.37	1.22	-3.22	0	44.3	2.66	4	2.47	120.94	0.66	0.34	0.32	137.64	2.7	-0.01
166	10.9	39.66	1.26	-3.22	0	41.03	3.02	4	2.54	120.94	0.66	0.34	0.32	126.68	3.07	-0.01
167	10.98	31.22	1.25	-4.18	0	32.59	3.81	4	2.68	120.94	0.66	0.34	0.32	99.36	3.89	-0.02
168	11.03	27.04	1.22	-2.87	0	33.62	3.65	4	2.65	120.94	0.67	0.34	0.32	102.13	3.72	-0.02
169	11.13	42.75	1.21	-2.61	0	42.95	2.83	4	2.5	120.94	0.67	0.35	0.33	129.87	2.88	-0.01
170	11.18	59.17	1.21	-1.92	0	54.81	2.2	5	2.35	120.94	0.68	0.35	0.33	165.6	2.23	-0.01
171	11.22	62.62	1.19	-2.79	0	62.85	1.85	5	2.26	120.94	0.68	0.35	0.33	189.42	1.87	-0.01
172	11.32	66.89	1.07	-3.31	0	65.4	1.69	5	2.22	120.94	0.68	0.35	0.33	195.42	1.71	-0.01
173	11.36	66.8	1.05	-2.44	0	69.66	1.47	5	2.16	120.94	0.69	0.35	0.33	207.59	1.49	-0.01
174	11.42	75.42	0.96	-2.44	0	70.75	1.3	5	2.12	120.94	0.69	0.36	0.33	209.79	1.31	-0.01
175	11.51	70.15	0.74	-2.44	0	71.11	1.11	5	2.07	120.94	0.7	0.36	0.34	209.13	1.12	-0.01
176	11.56	67.88	0.67	-2.44	0	70.05	0.95	6	2.04	120.94	0.7	0.36	0.34	205.09	0.96	-0.01
177	11.66	72.24	0.58	-2.7	0	70.9	0.85	6	2	120.94	0.7	0.36	0.34	205.87	0.86	-0.01
178	11.7	72.69	0.55	-2.61	0	72.77	0.75	6	1.97	120.94	0.71	0.37	0.34	210.62	0.76	-0.01
179	11.75	73.51	0.5	-2.87	0	73.89	0.7	6	1.94	120.94	0.71	0.37	0.34	212.93	0.71	-0.01
180	11.85	75.6	0.5	-3.4	0	74.62	0.68	6	1.93	120.94	0.72	0.37	0.35	213.25	0.69	-0.01
181	11.9	74.87	0.53	-2.35	0	75.56	0.69	6	1.93	120.94	0.72	0.37	0.35	215.06	0.69	-0.01
182	11.94	76.33	0.52	-3.4	0	74.86	0.68	6	1.93	120.94	0.72	0.37	0.35	212.22	0.69	-0.01
183	12.03	73.42	0.48	2.52	0	74.7	0.7	6	1.94	120.94	0.73	0.38	0.35	210.22	0.7	0
184	12.09	74.33	0.56	2.35	0	73.21	0.77	6	1.97	120.94	0.73	0.38	0.35	205.02	0.78	0
185	12.16	71.79	0.66	1.39	0	72.04	0.9	6	2.01	120.94	0.74	0.38	0.36	200.5	0.91	0
186	12.23	69.88	0.71	4	0	70.68	0.99	6	2.05	120.94	0.74	0.38	0.36	195.52	1	0
187	12.28	70.24	0.73	4.09	0	71.93	1	6	2.04	120.94	0.74	0.38	0.36	198.2	1.01	0
188	12.38	75.51	0.72	2.61	0	73.1	0.97	6	2.03	120.94	0.75	0.39	0.36	199.89	0.98	0
189	12.42	73.42	0.68	3.05	0	74.72	0.91	6	2.01	120.94	0.75	0.39	0.36	203.59	0.92	0
190	12.47	75.1	0.64	2.7	0	73.6	0.89	6	2	120.94	0.75	0.39	0.36	199.74	0.9	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
191	12.57	72.15	0.63	2.7	0	74.02	0.79	6	1.97	120.94	0.76	0.39	0.37	199.31	0.8	0
192	12.61	74.69	0.48	2.26	0	75.88	0.67	6	1.93	120.94	0.76	0.39	0.37	203.6	0.68	0
193	12.69	80.68	0.42	2.35	0	79.63	0.54	6	1.86	120.94	0.77	0.4	0.37	212.51	0.54	0
194	12.76	83.4	0.39	3.66	0	82.99	0.48	6	1.81	120.94	0.77	0.4	0.37	220.33	0.48	0
195	12.8	84.77	0.39	2.87	0	85.35	0.45	6	1.79	120.94	0.77	0.4	0.37	225.92	0.46	0
196	12.9	87.76	0.39	2	0	85.72	0.46	6	1.79	120.94	0.78	0.4	0.38	225.07	0.46	0
197	12.95	84.49	0.4	5.49	0	86.71	0.46	6	1.79	120.94	0.78	0.4	0.38	226.89	0.47	0
198	12.99	87.71	0.41	5.22	0	86.34	0.48	6	1.8	120.94	0.79	0.41	0.38	225.11	0.48	0
199	13.06	86.58	0.43	5.14	0	87.4	0.51	6	1.81	120.94	0.79	0.41	0.38	226.73	0.51	0
200	13.14	87.67	0.5	5.31	0	87.41	0.56	6	1.83	120.94	0.79	0.41	0.38	225.38	0.56	0
201	13.19	87.76	0.53	4.96	0	87.69	0.6	6	1.85	120.94	0.8	0.41	0.39	225.21	0.61	0
202	13.28	87.4	0.55	5.49	0	87.66	0.6	6	1.85	120.94	0.8	0.41	0.39	223.59	0.61	0
203	13.33	87.58	0.5	5.4	0	87.99	0.59	6	1.84	120.94	0.81	0.42	0.39	223.67	0.6	0
204	13.43	88.76	0.51	4.7	0	88.71	0.58	6	1.83	120.94	0.81	0.42	0.39	223.77	0.58	0
205	13.46	89.58	0.52	4.53	0	89.68	0.57	6	1.82	120.94	0.81	0.42	0.39	225.64	0.57	0
206	13.52	90.48	0.49	5.22	0	89.91	0.57	6	1.82	120.94	0.82	0.42	0.4	225.25	0.57	0
207	13.62	89.48	0.52	4.44	0	89.87	0.56	6	1.82	120.94	0.82	0.43	0.4	223.55	0.57	0
208	13.65	89.44	0.5	4.7	0	89.52	0.58	6	1.83	120.94	0.83	0.43	0.4	222.13	0.58	0
209	13.71	89.44	0.52	5.05	0	89.5	0.58	6	1.83	120.94	0.83	0.43	0.4	221.04	0.58	0
210	13.81	89.39	0.52	6.96	0	90.47	0.58	6	1.83	120.94	0.83	0.43	0.4	221.93	0.58	0
211	13.86	92.3	0.52	7.4	0	91.94	0.57	6	1.82	120.94	0.84	0.43	0.41	224.78	0.57	0
212	13.95	93.84	0.52	6.7	0	93.27	0.57	6	1.81	120.94	0.84	0.44	0.41	226.47	0.57	0
213	14	93.39	0.54	5.92	0	93.52	0.59	6	1.82	120.94	0.85	0.44	0.41	226.26	0.59	0
214	14.05	93.02	0.59	8.88	0	93.06	0.72	6	1.87	120.94	0.85	0.44	0.41	224.38	0.73	0
215	14.13	92.39	0.88	10.88	0	92.66	0.97	6	1.95	120.94	0.85	0.44	0.41	222.19	0.98	0
216	14.19	92.12	1.23	11.58	0	92.43	1.28	6	2.02	120.94	0.86	0.44	0.41	220.68	1.29	0
217	14.24	92.3	1.43	11.49	0	92.23	1.54	5	2.08	120.94	0.86	0.44	0.42	219.33	1.56	0
218	14.34	91.75	1.6	12.54	0	92.86	1.84	5	2.13	120.94	0.87	0.45	0.42	219.38	1.85	0
219	14.38	94.02	2.08	12.19	0	94.31	2.01	5	2.15	120.94	0.87	0.45	0.42	222.1	2.03	0
220	14.44	96.65	2.01	11.58	0	102.59	1.94	5	2.12	120.94	0.87	0.45	0.42	240.83	1.96	0
221	14.53	116.62	1.89	10.36	0	114.04	1.66	5	2.04	120.94	0.88	0.45	0.43	266.25	1.68	0
222	14.58	128.42	1.79	8.71	0	113.42	1.57	6	2.02	120.94	0.88	0.46	0.43	263.88	1.58	0
223	14.68	94.84	1.65	7.14	0	106.37	1.57	5	2.04	120.94	0.89	0.46	0.43	245.73	1.59	0
224	14.72	95.52	1.58	7.66	0	95.4	1.66	5	2.09	120.94	0.89	0.46	0.43	219.52	1.67	0
225	14.78	95.52	1.52	7.57	0	95.86	1.62	5	2.08	120.94	0.89	0.46	0.43	219.74	1.64	0
226	14.87	96.2	1.57	7.75	0	97.24	1.49	5	2.05	120.94	0.9	0.46	0.43	221.57	1.5	0
227	14.91	99.65	1.26	8.1	0	99.04	1.23	6	1.99	120.94	0.9	0.47	0.44	224.99	1.24	0
228	14.96	100.92	0.84	8.1	0	101.97	0.92	6	1.9	120.94	0.9	0.47	0.44	230.91	0.93	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
229	15.06	105	0.71	8.1	0	104.91	0.72	6	1.82	120.94	0.91	0.47	0.44	236.15	0.72	0
230	15.11	108.45	0.71	8.1	0	106.94	0.68	6	1.81	120.94	0.91	0.47	0.44	239.92	0.69	0
231	15.18	107	0.77	8.71	0	107.73	0.72	6	1.82	120.94	0.92	0.47	0.44	240.52	0.73	0
232	15.24	107.36	0.86	8.71	0	106.52	0.81	6	1.85	120.94	0.92	0.48	0.45	236.89	0.81	0
233	15.3	104.82	0.95	8.71	0	105.03	0.89	6	1.88	120.94	0.93	0.48	0.45	232.68	0.9	0
234	15.37	102.55	1	8.44	0	103.4	0.95	6	1.91	120.94	0.93	0.48	0.45	228	0.96	0
235	15.44	102.46	1.01	8.44	0	102.94	1	6	1.92	120.94	0.93	0.48	0.45	225.82	1.01	0
236	15.54	103.46	1.07	8.44	0	103.37	1.02	6	1.92	120.94	0.94	0.49	0.45	225.34	1.03	0
237	15.55	103.82	1.07	8.44	0	103.85	1.03	6	1.93	120.94	0.94	0.49	0.45	226.19	1.04	0
238	15.62	103.91	1.08	8.44	0	103.76	1.05	6	1.93	120.94	0.94	0.49	0.46	225.02	1.06	0
239	15.69	103.19	1.1	8.18	0	103.04	1.09	6	1.94	120.94	0.95	0.49	0.46	222.52	1.1	0
240	15.77	101.65	1.19	8.36	0	102.34	1.14	6	1.96	120.94	0.95	0.49	0.46	219.75	1.15	0
241	15.82	101.83	1.19	8.18	0	102.19	1.16	6	1.96	120.94	0.96	0.49	0.46	218.71	1.17	0
242	15.92	102.73	1.17	8.18	0	103.88	1.13	6	1.95	120.94	0.96	0.5	0.47	221.04	1.14	0
243	15.97	106.73	1.17	8.1	0	105.66	1.1	6	1.94	120.94	0.97	0.5	0.47	224.15	1.11	0
244	16.02	107.18	1.16	8.1	0	109.2	1.09	6	1.92	120.94	0.97	0.5	0.47	231.05	1.1	0
245	16.11	113.35	1.23	8.1	0	113.62	1.09	6	1.91	120.94	0.97	0.5	0.47	239.03	1.1	0
246	16.16	119.98	1.31	7.75	0	111.92	1.15	6	1.93	120.94	0.98	0.5	0.47	234.72	1.16	0
247	16.21	102.1	1.33	6.88	0	116.85	1.11	6	1.91	120.94	0.98	0.51	0.47	244.37	1.12	0
248	16.28	128.15	1.26	6.7	0	124.61	0.99	6	1.85	120.94	0.98	0.51	0.48	259.68	0.99	0
249	16.35	143.3	1.09	6.36	0	137.46	0.8	6	1.76	120.94	0.99	0.51	0.48	285.35	0.81	0
250	16.42	140.67	0.95	5.75	0	146.29	0.78	6	1.73	120.94	0.99	0.51	0.48	302.48	0.78	0
251	16.5	154.65	1.37	4.88	0	147.76	0.92	6	1.78	120.94	1	0.51	0.48	304.19	0.93	0
252	16.56	147.75	1.77	4.44	0	151.96	1.08	6	1.81	120.94	1	0.52	0.48	311.62	1.09	0
253	16.61	153.29	1.77	4.35	0	154.86	1.16	6	1.83	120.94	1	0.52	0.49	316.64	1.17	0
254	16.71	163.36	1.87	3.83	0	162.27	1.14	6	1.81	120.94	1.01	0.52	0.49	329.97	1.15	0
255	16.75	169.98	1.93	3.83	0	157.63	1.22	6	1.84	120.94	1.01	0.52	0.49	319.61	1.23	0
256	16.8	139.4	1.96	3.05	0	140.53	1.4	6	1.92	120.94	1.02	0.52	0.49	283.9	1.41	0
257	16.89	112.08	1.99	2.87	0	121.53	1.6	6	2	120.94	1.02	0.53	0.49	243.86	1.61	0
258	16.95	112.99	1.87	2.7	0	112.4	1.63	5	2.03	120.94	1.02	0.53	0.5	224.66	1.65	0
259	17	111.99	1.66	3.22	0	111.53	1.33	6	1.98	120.94	1.03	0.53	0.5	222.26	1.35	0
260	17.09	109.45	0.94	4.27	0	108.08	1.03	6	1.91	120.94	1.03	0.53	0.5	214.13	1.04	0
261	17.14	102.64	0.75	4.44	0	103.64	0.75	6	1.84	120.94	1.04	0.54	0.5	204.68	0.76	0
262	17.24	98.65	0.63	4.22	0	97.62	0.69	6	1.84	120.94	1.04	0.54	0.5	191.56	0.7	0
263	17.28	91.39	0.62	4.18	0	92.75	0.68	6	1.85	120.94	1.05	0.54	0.51	181.42	0.68	0
264	17.33	88.03	0.62	4.18	0	87.16	0.72	6	1.89	120.94	1.05	0.54	0.51	169.87	0.73	0
265	17.42	81.86	0.62	4.61	0	83.11	0.75	6	1.92	120.94	1.05	0.54	0.51	161.01	0.76	0
266	17.47	79.23	0.62	4.96	0	79.18	0.79	6	1.95	120.94	1.06	0.55	0.51	152.86	0.8	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
267	17.54	76.23	0.63	4.79	0	76.76	0.82	6	1.97	120.94	1.06	0.55	0.51	147.59	0.84	0
268	17.61	74.6	0.65	5.22	0	74.76	0.87	6	1.99	120.94	1.06	0.55	0.52	143.08	0.88	0
269	17.67	73.24	0.68	4.53	0	73.22	0.93	6	2.02	120.94	1.07	0.55	0.52	139.62	0.94	0
270	17.76	71.61	0.71	4.7	0	71.8	0.98	6	2.04	120.94	1.07	0.55	0.52	136.12	0.99	0
271	17.81	70.34	0.72	4.61	0	70.62	1.02	6	2.05	120.94	1.08	0.56	0.52	133.5	1.03	0
272	17.86	69.7	0.73	4.88	0	69.8	1.05	5	2.06	120.94	1.08	0.56	0.52	131.57	1.06	0
273	17.91	69.16	0.74	5.14	0	69.29	1.06	5	2.07	120.94	1.08	0.56	0.52	130.17	1.08	0
274	17.99	68.79	0.73	5.14	0	68.93	1.05	5	2.07	120.94	1.09	0.56	0.53	128.95	1.07	0
275	18.05	68.61	0.7	5.14	0	68.35	1.03	5	2.07	120.94	1.09	0.56	0.53	127.41	1.04	0
276	18.12	67.43	0.67	5.14	0	67.48	1	5	2.07	120.94	1.1	0.57	0.53	125.22	1.02	0
277	18.19	66.16	0.65	5.4	0	66.38	1	5	2.07	120.94	1.1	0.57	0.53	122.69	1.02	0
278	18.29	65.34	0.66	4.88	0	65.48	1.01	5	2.08	120.94	1.11	0.57	0.53	120.33	1.03	0
279	18.34	64.71	0.67	4.96	0	64.87	1.03	5	2.08	120.94	1.11	0.57	0.54	118.87	1.04	0
280	18.38	64.35	0.66	4.96	0	64.39	0.94	5	2.07	120.94	1.11	0.57	0.54	117.67	0.96	0
281	18.48	63.89	0.49	4.96	0	64.51	0.8	6	2.02	120.94	1.12	0.58	0.54	117.26	0.81	0
282	18.53	65.07	0.4	4.96	0	65.38	0.62	6	1.96	120.94	1.12	0.58	0.54	118.57	0.63	0
283	18.57	66.98	0.33	4.96	0	66.81	0.49	6	1.9	120.94	1.12	0.58	0.54	120.9	0.5	0
284	18.64	68.16	0.26	5.22	0	67.08	0.41	6	1.86	120.94	1.13	0.58	0.55	120.98	0.42	0
285	18.72	65.89	0.23	4.88	0	66.39	0.37	6	1.85	120.94	1.13	0.58	0.55	119.18	0.38	0
286	18.77	64.89	0.25	5.57	0	64.33	0.41	6	1.88	120.94	1.14	0.59	0.55	115.1	0.41	0
287	18.86	61.99	0.3	5.49	0	62.52	0.48	6	1.92	120.94	1.14	0.59	0.55	111.28	0.49	0
288	18.91	60.44	0.34	5.66	0	60.52	0.59	6	1.98	120.94	1.14	0.59	0.55	107.36	0.6	0
289	19.01	58.9	0.42	5.66	0	59.46	0.68	6	2.02	120.94	1.15	0.59	0.56	104.89	0.69	0
290	19.04	58.81	0.44	5.66	0	58.86	0.77	6	2.05	120.94	1.15	0.59	0.56	103.62	0.79	0
291	19.11	58.63	0.5	5.66	0	58.77	0.88	5	2.08	120.94	1.16	0.6	0.56	103.1	0.9	0
292	19.2	58.63	0.61	5.66	0	58.71	0.98	5	2.11	120.94	1.16	0.6	0.56	102.48	1	0
293	19.23	58.63	0.63	5.4	0	58.71	1.06	5	2.13	120.94	1.16	0.6	0.56	102.29	1.08	0
294	19.3	58.63	0.63	5.66	0	59.25	1.12	5	2.14	120.94	1.17	0.6	0.56	102.91	1.15	0
295	19.39	60.26	0.74	5.4	0	60.55	1.17	5	2.14	120.94	1.17	0.61	0.57	104.7	1.19	0
296	19.43	62.53	0.75	5.66	0	69.66	1.01	5	2.06	120.94	1.18	0.61	0.57	120.47	1.03	0
297	19.54	85.95	0.62	5.49	0	77.81	0.85	6	1.97	120.94	1.18	0.61	0.57	134.1	0.87	0
298	19.58	84.67	0.62	7.75	0	88.4	0.72	6	1.88	120.94	1.18	0.61	0.57	152.28	0.73	0
299	19.62	94.29	0.66	7.22	0	92.57	0.7	6	1.86	120.94	1.19	0.61	0.57	159.21	0.7	0
300	19.73	98.47	0.65	5.14	0	98	0.71	6	1.84	120.94	1.19	0.62	0.58	167.76	0.72	0
301	19.78	101.01	0.76	4.18	0	100.87	0.74	6	1.85	120.94	1.2	0.62	0.58	172.28	0.75	0
302	19.82	102.92	0.83	4.96	0	103.46	0.8	6	1.86	120.94	1.2	0.62	0.58	176.36	0.81	0
303	19.92	106.27	0.9	3.92	0	104.22	0.85	6	1.87	120.94	1.2	0.62	0.58	176.8	0.86	0
304	19.97	103.28	0.92	3.92	0	103.94	0.88	6	1.88	120.94	1.21	0.62	0.58	175.9	0.89	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
305	20.01	102.1	0.92	3.92	0	101.52	0.93	6	1.91	120.94	1.21	0.62	0.59	171.35	0.95	0
306	20.1	99.01	1	4.09	0	100.65	1.1	6	1.95	120.94	1.22	0.63	0.59	169.09	1.11	0
307	20.16	100.65	1.39	4.18	0	102.73	1.25	6	1.98	120.94	1.22	0.63	0.59	172.16	1.27	0
308	20.24	108.36	1.47	4.35	0	107.67	1.42	6	2.01	120.94	1.22	0.63	0.59	179.82	1.44	0
309	20.3	113.81	1.72	4.27	0	115.17	1.46	6	1.99	120.94	1.23	0.63	0.59	191.85	1.47	0
310	20.35	123.15	1.85	4.27	0	124.24	1.41	6	1.96	120.94	1.23	0.64	0.6	206.63	1.42	0
311	20.45	135.59	1.67	3.05	0	134.49	1.28	6	1.9	120.94	1.24	0.64	0.6	222.78	1.29	0
312	20.49	144.57	1.65	3.92	0	144.68	1.13	6	1.84	120.94	1.24	0.64	0.6	239.31	1.14	0
313	20.54	153.74	1.58	3.74	0	152.59	1.01	6	1.8	120.94	1.24	0.64	0.6	251.9	1.02	0
314	20.62	159.28	1.41	4.18	0	152.32	0.92	6	1.77	120.94	1.25	0.64	0.6	250.46	0.93	0
315	20.68	143.76	1.2	4.96	0	147.37	0.83	6	1.75	120.94	1.25	0.65	0.61	241.5	0.83	0
316	20.76	138.86	1.04	4.44	0	138.53	0.78	6	1.75	120.94	1.26	0.65	0.61	226.08	0.79	0
317	20.83	132.77	1.02	5.22	0	134.63	0.76	6	1.75	120.94	1.26	0.65	0.61	218.89	0.77	0
318	20.87	132.05	1.02	5.57	0	131.97	0.78	6	1.77	120.94	1.26	0.65	0.61	214.17	0.79	0
319	20.95	130.87	1.05	5.49	0	129.92	0.9	6	1.81	120.94	1.27	0.65	0.61	209.9	0.91	0
320	21.02	126.6	1.44	5.49	0	128.01	1.02	6	1.85	120.94	1.27	0.66	0.61	206.16	1.03	0
321	21.07	126.33	1.42	5.31	0	126.5	1.11	6	1.88	120.94	1.27	0.66	0.62	203.19	1.12	0
322	21.17	126.33	1.36	5.75	0	126.32	1.05	6	1.87	120.94	1.28	0.66	0.62	201.95	1.06	0
323	21.21	126.06	1.2	5.57	0	128.77	0.95	6	1.83	120.94	1.28	0.66	0.62	205.46	0.96	0
324	21.31	133.68	1.12	5.4	0	131.35	0.91	6	1.81	120.94	1.29	0.67	0.62	208.68	0.92	0
325	21.36	134.05	1.27	6.09	0	136.61	0.94	6	1.81	120.94	1.29	0.67	0.62	216.63	0.95	0
326	21.4	141.85	1.48	5.31	0	152.07	0.92	6	1.77	120.94	1.29	0.67	0.63	240.82	0.92	0
327	21.5	180.06	1.43	5.22	0	169.33	0.85	6	1.71	120.94	1.3	0.67	0.63	267.2	0.86	0
328	21.54	185.87	1.42	4.88	0	179.92	0.8	6	1.67	120.94	1.3	0.67	0.63	283.55	0.81	0
329	21.6	173.61	1.48	5.05	0	175.05	0.81	6	1.68	120.94	1.31	0.67	0.63	275.03	0.81	0
330	21.69	165.45	1.33	4.88	0	161.01	0.85	6	1.73	120.94	1.31	0.68	0.63	251.7	0.86	0
331	21.74	143.76	1.3	4.83	0	148.55	0.87	6	1.76	120.94	1.31	0.68	0.64	231.53	0.88	0
332	21.81	136.22	1.23	4.83	0	135.54	0.89	6	1.8	120.94	1.32	0.68	0.64	210.36	0.9	0
333	21.89	126.42	1.09	4.79	0	127.31	0.87	6	1.81	120.94	1.32	0.68	0.64	196.81	0.88	0
334	21.92	119.07	1.01	4.96	0	119.11	0.85	6	1.83	120.94	1.33	0.68	0.64	183.71	0.86	0
335	21.98	111.63	0.93	5.57	0	111.89	0.86	6	1.85	120.94	1.33	0.69	0.64	171.95	0.87	0
336	22.08	104.73	0.95	5.57	0	106.56	0.87	6	1.87	120.94	1.33	0.69	0.65	162.96	0.88	0
337	22.12	103.1	0.89	4.61	0	103.44	0.84	6	1.87	120.94	1.34	0.69	0.65	157.8	0.85	0
338	22.18	102.28	0.77	5.14	0	103.71	0.78	6	1.85	120.94	1.34	0.69	0.65	157.81	0.79	0
339	22.27	105.55	0.77	4.88	0	107.1	0.72	6	1.82	120.94	1.35	0.7	0.65	162.38	0.73	0
340	22.31	113.26	0.77	4.79	0	111.52	0.69	6	1.79	120.94	1.35	0.7	0.65	168.81	0.7	0
341	22.41	115.53	0.76	4.96	0	115.51	0.66	6	1.77	120.94	1.36	0.7	0.66	174.13	0.67	0
342	22.45	117.53	0.76	4.79	0	120.71	0.63	6	1.74	120.94	1.36	0.7	0.66	181.76	0.64	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
343	22.51	128.87	0.76	4.79	0	130.52	0.6	6	1.7	120.94	1.36	0.7	0.66	196.13	0.61	0
344	22.6	144.94	0.83	4.79	0	140.77	0.6	6	1.68	120.94	1.37	0.71	0.66	210.86	0.61	0
345	22.65	148.29	0.96	4.53	0	141.55	0.69	6	1.71	120.94	1.37	0.71	0.66	211.57	0.7	0
346	22.72	131.23	1.14	4	0	132.46	0.82	6	1.78	120.94	1.37	0.71	0.66	197.25	0.83	0
347	22.79	117.62	1.14	7.31	0	124.58	0.91	6	1.83	120.94	1.38	0.71	0.67	184.79	0.92	0
348	22.84	124.61	1.12	7.4	0	121.23	0.95	6	1.85	120.94	1.38	0.71	0.67	179.41	0.96	0
349	22.94	121.16	1.19	6.44	0	120.56	0.97	6	1.86	120.94	1.39	0.72	0.67	177.63	0.98	0
350	22.97	115.62	1.2	5.92	0	113.68	1.09	6	1.91	120.94	1.39	0.72	0.67	167.15	1.11	0
351	23.08	104.01	1.34	5.49	0	107.05	1.23	6	1.97	120.94	1.4	0.72	0.68	156.5	1.25	0
352	23.13	101.28	1.41	4.27	0	102.24	1.35	6	2.01	120.94	1.4	0.72	0.68	149.07	1.37	0
353	23.17	101.24	1.4	3.13	0	101.29	1.36	6	2.01	120.94	1.4	0.72	0.68	147.36	1.38	0
354	23.25	101.19	1.32	2.7	0	101.22	1.31	6	2	120.94	1.41	0.73	0.68	146.75	1.33	-0.01
355	23.31	101.1	1.27	2.52	0	101.74	1.23	6	1.98	120.94	1.41	0.73	0.68	147.17	1.24	-0.01
356	23.37	102.83	1.16	1.83	0	101.25	1.09	6	1.95	120.94	1.41	0.73	0.68	146.08	1.11	-0.01
357	23.46	99.74	0.9	1.31	0	101.91	0.93	6	1.9	120.94	1.42	0.73	0.69	146.43	0.94	-0.01
358	23.51	103.1	0.79	1.83	0	101.52	0.8	6	1.86	120.94	1.42	0.73	0.69	145.56	0.81	-0.01
359	23.61	101.65	0.74	2	0	102.73	0.76	6	1.85	120.94	1.43	0.74	0.69	146.69	0.77	-0.01
360	23.65	103.37	0.81	1.83	0	103.64	0.79	6	1.85	120.94	1.43	0.74	0.69	147.73	0.8	-0.01
361	23.7	105.82	0.89	2.18	0	105.91	0.85	6	1.87	120.94	1.43	0.74	0.69	150.71	0.86	-0.01
362	23.77	108.45	0.99	3.22	0	107.7	0.93	6	1.89	120.94	1.44	0.74	0.7	152.85	0.95	-0.01
363	23.85	108.72	1.13	3.22	0	108.65	1.03	6	1.91	120.94	1.44	0.74	0.7	153.69	1.05	0
364	23.89	108.63	1.24	3.05	0	107.5	1.25	6	1.97	120.94	1.44	0.75	0.7	151.75	1.27	0
365	23.98	105	1.66	3.13	0	106.13	1.64	5	2.05	120.94	1.45	0.75	0.7	149.26	1.66	-0.01
366	24.03	104.64	2.31	2.87	0	103.81	2.2	5	2.15	120.94	1.45	0.75	0.7	145.6	2.23	-0.01
367	24.08	101.65	2.88	2.7	0	102.66	2.67	5	2.22	120.94	1.46	0.75	0.7	143.66	2.71	-0.01
368	24.16	101.56	3.04	2.79	0	101.63	2.94	5	2.25	120.94	1.46	0.75	0.71	141.73	2.98	-0.01
369	24.21	101.56	3.04	2.7	0	101.57	3.06	5	2.26	120.94	1.46	0.76	0.71	141.34	3.11	-0.01
370	24.3	101.46	3.25	3.31	0	115.51	2.81	5	2.2	120.94	1.47	0.76	0.71	160.44	2.85	0
371	24.37	143.39	3.46	3.31	0	140.08	2.36	5	2.09	120.94	1.47	0.76	0.71	194.42	2.38	0
372	24.42	175.25	3.2	3.27	0	179.68	1.83	6	1.93	120.94	1.48	0.76	0.71	249.49	1.85	0
373	24.5	220.26	3.22	3.22	0	196.16	1.64	6	1.87	120.94	1.48	0.76	0.72	271.63	1.65	0
374	24.56	192.85	3.23	2.79	0	195.77	1.69	6	1.88	120.94	1.49	0.77	0.72	270.46	1.7	0
375	24.61	174.07	3.48	2.7	0	185.15	2.03	6	1.96	120.94	1.49	0.77	0.72	255.17	2.05	0
376	24.71	188.41	4.56	3.74	0	166.19	2.41	5	2.05	120.94	1.49	0.77	0.72	227.89	2.43	0
377	24.75	135.95	3.96	3.79	0	169.49	2.4	5	2.04	120.94	1.5	0.77	0.72	232.01	2.42	0
378	24.85	183.96	3.68	3.83	0	175.76	2.14	5	1.99	120.94	1.5	0.78	0.73	239.7	2.16	0
379	24.88	207.19	3.67	4.09	0	221.94	1.68	6	1.85	120.94	1.5	0.78	0.73	302.92	1.69	0
380	24.95	274.53	3.82	2.7	0	275.03	1.43	6	1.73	120.94	1.51	0.78	0.73	374.84	1.44	0

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CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
381	25.05	343.24	4.33	2	0	332.89	1.26	6	1.64	120.94	1.51	0.78	0.73	452.35	1.26	0
382	25.09	380.81	4.4	1.96	0	364.89	1.2	6	1.6	120.94	1.52	0.78	0.73	495.16	1.2	0
383	25.13	370.55	4.39	1.92	0	328.87	1.34	6	1.66	120.94	1.52	0.78	0.74	445.27	1.34	0
384	25.24	235.15	4.41	2.52	0	263.44	1.66	6	1.8	120.94	1.53	0.79	0.74	354.83	1.67	0
385	25.28	184.51	4.31	3.66	0	193.63	2.21	6	1.98	120.94	1.53	0.79	0.74	259.78	2.23	0
386	25.34	161.09	4.12	3.4	0	173.98	2.38	5	2.03	120.94	1.53	0.79	0.74	232.7	2.4	0
387	25.43	176.16	3.97	4.88	0	172.2	2.27	5	2.02	120.94	1.54	0.79	0.74	229.46	2.29	0
388	25.47	179.15	3.64	4.96	0	177.69	1.89	6	1.95	120.94	1.54	0.8	0.75	236.41	1.91	0
389	25.57	177.52	2.47	5.92	0	176.43	1.53	6	1.88	120.94	1.55	0.8	0.75	233.84	1.54	0
390	25.62	172.34	1.98	7.75	0	173.53	1.21	6	1.81	120.94	1.55	0.8	0.75	229.53	1.22	0
391	25.66	170.44	1.83	6.44	0	170.36	1.07	6	1.78	120.94	1.55	0.8	0.75	224.87	1.08	0
392	25.76	167.99	1.66	6.53	0	169.35	1.01	6	1.76	120.94	1.56	0.8	0.75	222.71	1.02	0
393	25.79	169.35	1.65	6.62	0	169.66	0.98	6	1.75	120.94	1.56	0.81	0.75	222.8	0.99	0
394	25.86	171.35	1.66	6.53	0	170.68	0.97	6	1.75	120.94	1.56	0.81	0.76	223.62	0.98	0
395	25.95	171.07	1.64	5.92	0	172.22	0.97	6	1.74	120.94	1.57	0.81	0.76	224.8	0.98	0
396	26	173.98	1.71	6.57	0	172.12	1	6	1.75	120.94	1.57	0.81	0.76	224.26	1.01	0
397	26.1	171.03	1.8	5.92	0	172.1	1.04	6	1.76	120.94	1.58	0.81	0.76	223.38	1.05	0
398	26.12	171.01	1.83	6.62	0	171.09	1.07	6	1.78	120.94	1.58	0.82	0.76	221.85	1.08	0
399	26.19	170.98	1.87	5.14	0	170.92	1.09	6	1.78	120.94	1.58	0.82	0.77	221.04	1.1	0
400	26.27	170.53	1.9	5.14	0	170.3	1.11	6	1.79	120.94	1.59	0.82	0.77	219.59	1.12	0
401	26.34	169.17	1.88	5.14	0	171.36	1.1	6	1.78	120.94	1.59	0.82	0.77	220.39	1.11	0
402	26.38	174.16	1.88	5.14	0	175.84	1.1	6	1.78	120.94	1.6	0.82	0.77	225.8	1.11	0
403	26.48	183.96	2.04	4.79	0	180.77	1.12	6	1.77	120.94	1.6	0.83	0.77	231.33	1.13	0
404	26.52	183.96	2.14	5.09	0	185.39	1.16	6	1.78	120.94	1.6	0.83	0.78	236.88	1.17	0
405	26.57	188.04	2.29	5.05	0	188.87	1.28	6	1.8	120.94	1.61	0.83	0.78	240.91	1.29	0
406	26.67	194.4	2.8	5.05	0	193.44	1.4	6	1.82	120.94	1.61	0.83	0.78	245.91	1.41	0
407	26.72	197.66	3.02	5.4	0	201.82	1.51	6	1.84	120.94	1.62	0.83	0.78	256.2	1.52	0
408	26.81	213.18	3.31	5.75	0	209.84	1.54	6	1.83	120.94	1.62	0.84	0.78	265.55	1.55	0
409	26.86	218.45	3.36	4.96	0	217.17	1.54	6	1.82	120.94	1.62	0.84	0.79	274.34	1.55	0
410	26.91	219.63	3.36	5.75	0	218.22	1.54	6	1.82	120.94	1.63	0.84	0.79	275.2	1.55	0
411	26.98	216.36	3.34	4.7	0	215.23	1.54	6	1.82	120.94	1.63	0.84	0.79	270.68	1.55	0
412	27.05	209.46	3.23	5.75	0	209.78	1.51	6	1.83	120.94	1.64	0.84	0.79	263.03	1.52	0
413	27.15	203.29	2.92	6.01	0	204.31	1.47	6	1.82	120.94	1.64	0.85	0.79	255.2	1.48	0
414	27.17	199.93	2.85	5.83	0	198.65	1.42	6	1.82	120.94	1.64	0.85	0.79	247.87	1.43	0
415	27.25	192.49	2.7	5.83	0	194.72	1.41	6	1.82	120.94	1.65	0.85	0.8	242.26	1.43	0
416	27.34	191.49	2.72	5.83	0	192.82	1.39	6	1.82	120.94	1.65	0.85	0.8	239.02	1.41	0
417	27.36	194.22	2.66	5.92	0	196.21	1.35	6	1.81	120.94	1.65	0.85	0.8	243.07	1.36	0
418	27.43	202.66	2.57	6.53	0	207.5	1.3	6	1.78	120.94	1.66	0.86	0.8	256.52	1.31	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
419	27.53	225.35	2.87	5.92	0	222.93	1.26	6	1.75	120.94	1.66	0.86	0.81	274.74	1.27	0
420	27.58	240.5	3.02	6.49	0	243.95	1.27	6	1.73	120.94	1.67	0.86	0.81	300.34	1.28	0
421	27.68	265.73	3.39	5.92	0	258.92	1.26	6	1.71	120.94	1.67	0.86	0.81	317.77	1.27	0
422	27.69	270.27	3.41	6.44	0	270.78	1.27	6	1.7	120.94	1.67	0.86	0.81	332.25	1.28	0
423	27.77	276.08	3.52	6.36	0	274.3	1.29	6	1.7	120.94	1.68	0.87	0.81	335.66	1.3	0
424	27.86	276.26	3.67	6.36	0	274.02	1.33	6	1.71	120.94	1.68	0.87	0.82	334.15	1.33	0
425	27.91	269.45	3.72	6.79	0	272.06	1.36	6	1.72	120.94	1.69	0.87	0.82	331.14	1.37	0
426	27.96	270.18	3.74	6.09	0	267.61	1.4	6	1.73	120.94	1.69	0.87	0.82	325.14	1.4	0
427	28.03	262.92	3.75	7.22	0	264.38	1.42	6	1.74	120.94	1.7	0.88	0.82	320.37	1.43	0
428	28.1	259.74	3.81	7.05	0	258.63	1.48	6	1.76	120.94	1.7	0.88	0.82	312.55	1.48	0
429	28.15	252.93	3.89	6.88	0	249.19	1.54	6	1.78	120.94	1.7	0.88	0.82	300.53	1.55	0
430	28.25	234.6	3.78	6.18	0	238.74	1.57	6	1.8	120.94	1.71	0.88	0.83	286.85	1.58	0
431	28.29	228.43	3.59	5.31	0	225.7	1.56	6	1.82	120.94	1.71	0.88	0.83	270.64	1.57	0
432	28.35	213.82	3.18	4.88	0	212.14	1.49	6	1.82	120.94	1.71	0.89	0.83	253.78	1.5	0
433	28.44	193.94	2.69	5.83	0	199.04	1.42	6	1.82	120.94	1.72	0.89	0.83	237.19	1.43	0
434	28.48	189.13	2.59	5.66	0	189.52	1.34	6	1.82	120.94	1.72	0.89	0.83	225.45	1.36	0
435	28.58	185.23	2.37	6.88	0	185.29	1.3	6	1.81	120.94	1.73	0.89	0.84	219.59	1.31	0
436	28.63	181.24	2.26	6.36	0	181.91	1.23	6	1.8	120.94	1.73	0.89	0.84	215.12	1.24	0
437	28.69	178.97	2.1	6.36	0	176.97	1.18	6	1.79	120.94	1.73	0.9	0.84	208.85	1.19	0
438	28.78	170.44	1.88	6.18	0	172.65	1.15	6	1.79	120.94	1.74	0.9	0.84	203.04	1.16	0
439	28.82	168.26	1.95	6.53	0	168.41	1.19	6	1.81	120.94	1.74	0.9	0.84	197.69	1.2	0
440	28.88	166.26	2.16	6.53	0	166.27	1.52	6	1.89	120.94	1.75	0.9	0.84	194.77	1.53	0
441	28.97	163.99	3.46	7.31	0	164.27	2.07	5	2	120.94	1.75	0.9	0.85	191.8	2.09	0
442	29.02	162.27	4.6	7.31	0	163.89	2.62	5	2.08	120.94	1.75	0.91	0.85	191.03	2.65	0
443	29.11	165.08	4.81	7.4	0	165.61	2.96	5	2.12	120.94	1.76	0.91	0.85	192.4	3	0
444	29.16	169.17	5.32	7.4	0	172	3.1	8	2.12	120.94	1.76	0.91	0.85	199.58	3.13	0
445	29.21	181.42	5.87	7.49	0	196.07	2.87	8	2.06	120.94	1.77	0.91	0.85	227.43	2.9	0
446	29.29	237.32	5.72	6.88	0	256.58	2.24	6	1.91	120.94	1.77	0.91	0.86	297.43	2.25	0
447	29.35	350.68	5.62	6.96	0	326.23	1.75	6	1.76	120.94	1.78	0.92	0.86	377.89	1.76	0
448	29.4	390.43	5.82	5.22	0	399.33	1.54	6	1.67	120.94	1.78	0.92	0.86	462.29	1.54	0
449	29.49	456.59	6.96	8.79	0	399.46	1.65	6	1.69	120.94	1.78	0.92	0.86	461.06	1.65	0
450	29.54	351.04	6.95	8.1	0	373.11	1.93	6	1.77	120.94	1.79	0.92	0.86	429.69	1.94	0
451	29.64	311.29	7.75	12.1	0	310.65	2.45	8	1.9	120.94	1.79	0.93	0.87	356.19	2.47	0
452	29.69	269.18	8.16	10.79	0	281.34	2.88	8	1.98	120.94	1.8	0.93	0.87	321.89	2.9	0
453	29.73	263.01	8.38	13.93	0	288.34	2.84	8	1.97	120.94	1.8	0.93	0.87	329.47	2.86	0
454	29.83	332.26	8.04	15.67	0	315.17	2.59	8	1.91	120.94	1.8	0.93	0.87	359.14	2.6	0
455	29.88	349.59	8.06	14.54	0	345.78	2.27	8	1.84	120.94	1.81	0.93	0.87	393.54	2.28	0
456	29.93	354.85	7.4	14.45	0	349.38	2.03	6	1.8	120.94	1.81	0.93	0.88	397.05	2.04	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	Depth (ft)	qc (tsf)	fs (tsf)	u (psi)	Other	qt (tsf)	Rf(%)	SBT	Ic SBT	γ (pcf)	σ,v (tsf)	u0 (tsf)	σ',vo (tsf)	Qt1	Fr (%)	Bq
457	30.02	343.05	5.83	17.15	0	343.46	1.79	6	1.76	120.94	1.82	0.94	0.88	389.01	1.8	0
458	30.07	331.8	5.24	15.32	0	340.44	1.54	6	1.71	120.94	1.82	0.94	0.88	384.97	1.55	0
459	30.13	345.78	4.7	15.23	0	342.52	1.39	6	1.67	120.94	1.82	0.94	0.88	386.61	1.4	0
460	30.19	349.32	4.36	14.45	0	346.79	1.26	6	1.63	120.94	1.83	0.94	0.88	390.61	1.26	0
461	30.25	344.6	4.02	17.59	0	341.81	1.19	6	1.61	120.94	1.83	0.94	0.88	384.19	1.19	0
462	30.32	330.8	3.79	18.19	0	332.24	1.18	6	1.62	120.94	1.83	0.95	0.89	372.6	1.18	0
463	30.41	320.55	3.94	18.72	0	323.66	1.21	6	1.63	120.94	1.84	0.95	0.89	361.85	1.22	0
464	30.45	318.82	4.06	18.54	0	319.21	1.17	6	1.63	120.94	1.84	0.95	0.89	356.28	1.18	0
465	30.55	317.46	3.22	18.11	0	320.39	1.05	6	1.59	120.94	1.85	0.95	0.89	356.51	1.06	0
466	30.6	324.09	2.81	18.11	0	327.43	0.91	6	1.53	120.94	1.85	0.96	0.9	363.77	0.92	0
467	30.65	339.97	2.95	17.93	0	346.83	0.85	6	1.5	120.94	1.85	0.96	0.9	384.85	0.86	0
468	30.74	375.64	3.11	18.28	0	368.91	0.85	6	1.48	120.94	1.86	0.96	0.9	408.2	0.85	0
469	30.78	390.34	3.34	18.8	0	397.27	0.88	6	1.47	120.94	1.86	0.96	0.9	439.23	0.88	0
470	30.84	425.01	4.01	19.59	0	409.46	0.98	6	1.5	120.94	1.86	0.96	0.9	451.83	0.98	0
471	30.93	412.3	4.69	11.84	0	426.8	1.07	6	1.52	120.94	1.87	0.97	0.9	469.63	1.07	0
472	30.98	442.43	4.98	14.71	0	441.81	1.15	6	1.54	120.94	1.87	0.97	0.91	485.49	1.15	0
473	31.06	470.11	5.55	14.1	0	455.19	1.25	6	1.56	120.94	1.88	0.97	0.91	498.95	1.26	0
474	31.13	452.41	6.59	14.1	0	453.04	1.41	6	1.6	120.94	1.88	0.97	0.91	495.47	1.41	0
475	31.18	435.99	6.98	15.15	0	438.24	1.59	6	1.66	120.94	1.89	0.97	0.91	478.49	1.6	0
476	31.24	425.73	7.36	12.62	0	425.46	1.72	6	1.69	120.94	1.89	0.98	0.91	463.59	1.72	0
477	31.32	414.12	7.58	10.71	0	405.41	1.82	6	1.73	120.94	1.89	0.98	0.92	440.46	1.83	0
478	31.41	375.91	7.23	9.92	0	379.87	1.92	6	1.76	120.94	1.9	0.98	0.92	411.36	1.93	0
479	31.45	349.14	7.03	10.45	0	352.58	1.99	6	1.79	120.94	1.9	0.98	0.92	381.18	2	0
480	31.51	332.26	6.75	9.58	0	330.67	2.05	6	1.82	120.94	1.91	0.98	0.92	356.74	2.06	0
481	31.56	310.2	6.58	8.79	0	311.99	2.09	6	1.84	120.94	1.91	0.99	0.92	335.87	2.1	0
482	31.64	293.14	6.25	8.18	0	294.44	2.13	6	1.86	120.94	1.91	0.99	0.93	316.13	2.14	0
483	31.7	279.62	5.96	8.62	0	284.29	2.11	6	1.86	120.94	1.92	0.99	0.93	304.51	2.13	0
484	31.8	279.71	5.82	10.79	0	279.86	2.1	6	1.86	120.94	1.92	0.99	0.93	298.82	2.11	0
485	31.85	279.8	5.82	11.75	0	281.43	2.07	6	1.86	120.94	1.93	0.99	0.93	300.04	2.08	0
486	31.89	284.25	5.83	13.58	0	283.01	2.06	6	1.86	120.94	1.93	1	0.93	301.3	2.08	0
487	31.96	284.43	5.88	12.36	0	284.53	2.09	6	1.86	120.94	1.93	1	0.93	302.33	2.11	0
488	32.04	284.34	6.15	12.88	0	284.91	2.14	6	1.87	120.94	1.94	1	0.94	301.97	2.16	0
489	32.09	285.43	6.3	12.1	0	284.88	2.18	6	1.87	120.94	1.94	1	0.94	301.47	2.19	0
490	32.19	284.34	6.18	12.8	0	283.34	2.16	6	1.87	120.94	1.95	1	0.94	298.89	2.18	0
491	32.23	279.71	5.91	12.71	0	279.9	2.09	6	1.86	120.94	1.95	1.01	0.94	294.83	2.11	0
492	32.3	275.08	5.5	13.67	0	278.15	1.98	6	1.85	120.94	1.95	1.01	0.94	292.36	2	0
493	32.37	279.12	5.15	10.53	0	275.78	1.88	6	1.83	120.94	1.96	1.01	0.95	289.17	1.9	0
494	32.42	272.63	4.92	11.14	0	276.92	1.77	6	1.81	120.94	1.96	1.01	0.95	289.93	1.78	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
495	32.51	278.53	4.65	11.49	0	278.45	1.68	6	1.79	120.94	1.97	1.01	0.95	290.76	1.69	0
496	32.56	283.7	4.48	12.19	0	285.41	1.61	6	1.76	120.94	1.97	1.02	0.95	297.6	1.62	0
497	32.62	293.5	4.65	11.32	0	294.64	1.57	6	1.75	120.94	1.97	1.02	0.95	306.77	1.58	0
498	32.71	306.21	4.76	12.32	0	304.23	1.57	6	1.74	120.94	1.98	1.02	0.96	315.91	1.58	0
499	32.76	312.47	4.87	11.23	0	309.04	1.57	6	1.74	120.94	1.98	1.02	0.96	320.49	1.58	0
500	32.84	307.93	4.9	12.45	0	302.86	1.6	6	1.75	120.94	1.99	1.03	0.96	313.22	1.61	0
501	32.9	287.69	4.74	11.14	0	302.01	1.57	6	1.74	120.94	1.99	1.03	0.96	311.75	1.59	0
502	32.94	309.93	4.63	10.36	0	300.13	1.53	6	1.73	120.94	1.99	1.03	0.96	309.44	1.54	0
503	33.02	302.31	4.41	10.79	0	308.21	1.45	6	1.71	120.94	2	1.03	0.97	317.04	1.46	0
504	33.09	311.93	4.39	10.71	0	310.09	1.42	6	1.7	120.94	2	1.03	0.97	318.29	1.43	0
505	33.17	315.56	4.4	10.71	0	317.5	1.39	6	1.69	120.94	2.01	1.04	0.97	325.2	1.4	0
506	33.21	324.54	4.44	10.62	0	325.36	1.38	6	1.68	120.94	2.01	1.04	0.97	332.9	1.38	0
507	33.28	335.52	4.59	10.79	0	319.73	1.45	6	1.7	120.94	2.01	1.04	0.97	326.37	1.46	0
508	33.35	298.68	4.91	10.58	0	316.01	1.52	6	1.72	120.94	2.02	1.04	0.98	321.84	1.53	0
509	33.4	313.38	4.91	10.66	0	308.33	1.59	6	1.74	120.94	2.02	1.04	0.98	313.52	1.6	0
510	33.47	312.47	4.91	10.53	0	310.11	1.58	6	1.74	120.94	2.02	1.05	0.98	314.66	1.6	0
511	33.55	304.03	4.92	9.49	0	307.3	1.58	6	1.74	120.94	2.03	1.05	0.98	311.12	1.59	0
512	33.62	304.94	4.74	10.97	0	303.78	1.59	6	1.75	120.94	2.03	1.05	0.98	306.88	1.6	0
513	33.66	301.94	4.87	9.53	0	309.04	1.55	6	1.73	120.94	2.04	1.05	0.98	311.78	1.56	0
514	33.76	319.82	4.76	8.71	0	307.97	1.57	6	1.74	120.94	2.04	1.05	0.99	309.81	1.58	0
515	33.81	301.76	4.91	9.58	0	301.34	1.62	6	1.75	120.94	2.04	1.06	0.99	302.67	1.63	0
516	33.91	282.07	4.94	8.44	0	290.07	1.71	6	1.78	120.94	2.05	1.06	0.99	290.41	1.73	0
517	33.95	285.97	5.07	9.53	0	287.76	1.78	6	1.8	120.94	2.05	1.06	0.99	287.7	1.79	0
518	34	294.86	5.34	7.92	0	288.49	1.78	6	1.8	120.94	2.06	1.06	0.99	288.04	1.79	0
519	34.1	284.25	4.98	9.49	0	285.46	1.75	6	1.79	120.94	2.06	1.06	1	284.14	1.76	0
520	34.14	276.89	4.62	9.23	0	280.07	1.65	6	1.78	120.94	2.06	1.07	1	278.39	1.66	0
521	34.19	278.62	4.26	12.1	0	269.06	1.65	6	1.79	120.94	2.07	1.07	1	266.96	1.66	0
522	34.29	251.21	4.43	10.53	0	262.26	1.68	6	1.8	120.94	2.07	1.07	1	259.39	1.69	0
523	34.33	256.47	4.49	9.75	0	239.32	1.93	6	1.87	120.94	2.08	1.07	1	236.25	1.94	0
524	34.39	209.83	4.92	10.97	0	222.99	2.24	6	1.94	120.94	2.08	1.07	1.01	219.63	2.26	0
525	34.48	202.2	5.57	11.49	0	205.69	2.62	5	2.02	120.94	2.09	1.08	1.01	201.88	2.65	0
526	34.53	204.56	5.68	11.58	0	206.88	2.7	5	2.03	120.94	2.09	1.08	1.01	202.74	2.72	0
527	34.58	213.37	5.47	11.93	0	207.71	2.52	5	2	120.94	2.09	1.08	1.01	203.28	2.54	0
528	34.66	204.65	4.52	14.63	0	207.03	2.33	5	1.98	120.94	2.1	1.08	1.01	202.12	2.35	0
529	34.72	202.47	4.48	15.49	0	205.94	2.21	6	1.96	120.94	2.1	1.08	1.02	200.7	2.24	0
530	34.82	210.01	4.67	18.28	0	212.52	2.15	6	1.94	120.94	2.11	1.09	1.02	206.6	2.17	0
531	34.87	224.35	4.57	17.06	0	225.87	2.03	6	1.91	120.94	2.11	1.09	1.02	219.38	2.04	0
532	34.92	242.5	4.48	16.28	0	244.68	1.82	6	1.85	120.94	2.11	1.09	1.02	237.51	1.83	0

Former Nepera Harriman Site
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CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
533	35.01	266.46	4.3	17.32	0	265.3	1.63	6	1.79	120.94	2.12	1.09	1.02	256.99	1.64	0
534	35.06	286.24	4.17	15.93	0	284.39	1.48	6	1.74	120.94	2.12	1.09	1.03	275.24	1.49	0
535	35.11	299.76	4.13	16.11	0	299.33	1.36	6	1.69	120.94	2.12	1.1	1.03	289.39	1.37	0
536	35.19	311.29	3.93	16.11	0	309.72	1.28	6	1.66	120.94	2.13	1.1	1.03	298.86	1.29	0
537	35.25	317.37	3.8	18.45	0	317.02	1.26	6	1.65	120.94	2.13	1.1	1.03	305.44	1.27	0
538	35.34	321.64	4.27	17.93	0	321.84	1.28	6	1.65	120.94	2.14	1.1	1.03	309.26	1.29	0
539	35.39	325.72	4.32	17.89	0	320.38	1.34	6	1.67	120.94	2.14	1.1	1.04	307.46	1.35	0
540	35.44	313.01	4.3	17.85	0	317.16	1.36	6	1.68	120.94	2.14	1.11	1.04	303.86	1.37	0
541	35.54	312.02	4.36	15.06	0	315.18	1.41	6	1.69	120.94	2.15	1.11	1.04	301.1	1.42	0
542	35.61	319.82	4.66	15.58	0	317.75	1.45	6	1.7	120.94	2.15	1.11	1.04	303.01	1.46	0
543	35.63	320.73	4.79	16.02	0	318.45	1.52	6	1.72	120.94	2.15	1.11	1.04	303.46	1.53	0
544	35.71	314.1	5.06	16.45	0	317.26	1.03	6	1.58	120.94	2.16	1.11	1.04	301.65	1.04	0
545	35.77	316.28	0	14.8	0	316.37	0.53	6	1.37	120.94	2.16	1.12	1.05	300.32	0.54	0
546	35.86	318.01	0	19.67	0	315.31	0	0	0	120.94	2.17	1.12	1.05	298.56	0	0
547	35.92	310.93	0	15.67	0	313.93	0	0	0	120.94	2.17	1.12	1.05	296.71	0	0
548	35.97	312.11	0	15.49	0	309.15	0	0	0	120.94	2.18	1.12	1.05	291.78	0	0
549	36.04	303.76	0	14.19	0	308.02	0	0	0	120.94	2.18	1.13	1.05	290.09	0	0
550	36.1	307.57	0	12.54	0	306.49	0	0	0	120.94	2.18	1.13	1.06	288.22	0	0

Former Nepera Harriman Site
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CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
1	5	0.68	59.36	2.19	36.52	-15.03	48.18	6	Silty sand & sandy silt	Sand-like - Contractive
2	5	0.74	61.73	2.31	51.96	-11.27	36.8	7	Silty sand & sandy silt	Sand like - Dilative
3	4	0.78	53.11	2.44	59.51	-9.02	25.31	5	Clay & silty clay	Transitional - Dilative
4	9	0.84	60.4	2.59	71.03	-6.46	15.43	3	Very stiff fine grained	Clay-like - Dilative
5	9	0.89	62.79	2.73	71.72	-6.41	10.79	3	Very stiff fine grained	Clay-like - Dilative
6	9	0.97	74.73	2.94	68.12	-5.14	6.44	2	Very stiff fine grained	Clay-like - Contractive
7	9	0.99	75.38	2.99	79.07	-5.44	5.07	2	Very stiff fine grained	Clay-like - Contractive
8	6	0.57	11.13	1.88	187.57	-5.38	50.96	7	Sand & silty sand	Sand like - Dilative
9	6	0.46	6.59	1.59	263.66	-4.22	84.95	7	Sand & silty sand	Sand like - Dilative
10	6	0.4	4.8	1.43	318.6	-2.28	114.8	7	Sand & silty sand	Sand like - Dilative
11	6	0.39	4.59	1.41	356.77	-0.77	114.1	7	Sand & silty sand	Sand like - Dilative
12	6	0.39	4.47	1.42	374.06	0.18	108.78	7	Sand & silty sand	Sand like - Dilative
13	6	0.39	4.32	1.43	392.31	0.15	103.02	7	Sand & silty sand	Sand like - Dilative
14	6	0.39	4.18	1.42	434.46	0.58	100.6	7	Sand & silty sand	Sand like - Dilative
15	6	0.37	3.76	1.36	484.98	0.05	110.49	7	Sand & silty sand	Sand like - Dilative
16	7	0.35	3.36	1.3	520.92	0.4	122.63	7	Sand	Sand like - Dilative
17	7	0.32	3.05	1.23	566.59	0.71	138.68	7	Sand	Sand like - Dilative
18	7	0.31	2.93	1.21	615.68	2.79	142.79	7	Sand	Sand like - Dilative
19	7	0.31	2.84	1.2	653.55	4.93	139.88	7	Sand	Sand like - Dilative
20	7	0.32	2.89	1.23	701.67	6.82	129.14	7	Sand	Sand like - Dilative
21	7	0.33	2.93	1.25	741.71	7.07	119.4	7	Sand	Sand like - Dilative
22	7	0.34	2.92	1.27	771.9	6.35	113.38	7	Sand	Sand like - Dilative
23	7	0.34	2.92	1.27	784.88	6	111.2	7	Sand	Sand like - Dilative
24	7	0.34	2.91	1.28	774.87	3.96	108.73	7	Sand	Sand like - Dilative
25	7	0.35	2.97	1.31	752.03	2.88	102.42	7	Sand	Sand like - Dilative
26	6	0.37	3.08	1.35	725.29	2.11	94.78	7	Sand & silty sand	Sand like - Dilative
27	6	0.38	3.15	1.39	691.19	2.9	88.63	7	Sand & silty sand	Sand like - Dilative
28	6	0.39	3.18	1.41	664.36	3.44	86.42	7	Sand & silty sand	Sand like - Dilative
29	6	0.39	3.15	1.41	636.12	3.39	87.62	7	Sand & silty sand	Sand like - Dilative
30	6	0.39	3.14	1.42	602.97	3.09	87.88	7	Sand & silty sand	Sand like - Dilative
31	6	0.4	3.18	1.44	564.27	2.77	85.46	7	Sand & silty sand	Sand like - Dilative
32	6	0.41	3.23	1.47	531.08	2.67	81.55	7	Sand & silty sand	Sand like - Dilative
33	6	0.42	3.25	1.48	509.02	3.04	80.58	7	Sand & silty sand	Sand like - Dilative
34	6	0.42	3.19	1.48	496.86	2.99	82.86	7	Sand & silty sand	Sand like - Dilative
35	6	0.41	3.13	1.47	483.05	2.94	86.03	7	Sand & silty sand	Sand like - Dilative
36	6	0.41	3.06	1.46	466.77	2.65	88.95	7	Sand & silty sand	Sand like - Dilative
37	6	0.41	3.01	1.45	447.27	2.51	92.1	7	Sand & silty sand	Sand like - Dilative
38	6	0.41	2.96	1.45	427.5	2.36	95.14	7	Sand & silty sand	Sand like - Dilative

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
39	6	0.4	2.9	1.44	407.88	2.2	99.81	7	Sand & silty sand	Sand like - Dilative
40	6	0.4	2.84	1.43	391.39	2.19	103.55	7	Sand & silty sand	Sand like - Dilative
41	6	0.4	2.79	1.43	377.28	2.33	106.28	7	Sand & silty sand	Sand like - Dilative
42	6	0.4	2.78	1.43	367.93	2.64	106.44	7	Sand & silty sand	Sand like - Dilative
43	6	0.4	2.77	1.44	353.23	2.59	107.46	7	Sand & silty sand	Sand like - Dilative
44	6	0.4	2.76	1.44	334.96	2.45	108.69	7	Sand & silty sand	Sand like - Dilative
45	6	0.41	2.78	1.46	311.82	2.17	108.77	7	Sand & silty sand	Sand like - Dilative
46	6	0.42	2.8	1.48	288.11	2.25	107.25	7	Sand & silty sand	Sand like - Dilative
47	6	0.42	2.84	1.5	264.27	2.38	106.28	7	Sand & silty sand	Sand like - Dilative
48	6	0.43	2.88	1.52	241.92	2.56	104.91	7	Sand & silty sand	Sand like - Dilative
49	6	0.44	2.92	1.55	221.1	2.32	102.46	7	Sand & silty sand	Sand like - Dilative
50	6	0.46	2.99	1.58	199.32	2.18	99.56	7	Sand & silty sand	Sand like - Dilative
51	6	0.47	3.03	1.61	179.84	2.03	97.87	7	Sand & silty sand	Sand like - Dilative
52	6	0.48	3.07	1.64	161.07	1.95	96.23	7	Sand & silty sand	Sand like - Dilative
53	6	0.49	3.14	1.67	146.22	1.85	93.98	7	Sand & silty sand	Sand like - Dilative
54	6	0.5	3.16	1.69	135.7	1.52	91.98	7	Sand & silty sand	Sand like - Dilative
55	6	0.51	3.19	1.71	127.31	1.25	90.16	7	Sand & silty sand	Sand like - Dilative
56	6	0.51	3.23	1.73	120.43	1.18	88.18	7	Sand & silty sand	Sand like - Dilative
57	6	0.52	3.26	1.75	112.09	1.09	86.09	7	Sand & silty sand	Sand like - Dilative
58	6	0.54	3.34	1.79	101.9	0.87	81.47	7	Sand & silty sand	Sand like - Dilative
59	6	0.55	3.45	1.84	92.87	0.55	76.5	7	Sand & silty sand	Sand like - Dilative
60	6	0.57	3.56	1.89	85.64	0.28	70.84	7	Sand & silty sand	Sand like - Dilative
61	6	0.59	3.66	1.93	80.46	0.21	66.62	7	Sand & silty sand	Sand like - Dilative
62	6	0.61	3.77	1.98	75.15	0.14	61.8	7	Sand & silty sand	Sand like - Dilative
63	6	0.63	3.91	2.04	69.53	0.18	56.75	7	Sand & silty sand	Sand like - Dilative
64	5	0.66	4.16	2.11	64.19	0.15	50.3	7	Silty sand & sandy silt	Sand like - Dilative
65	5	0.69	4.36	2.19	59.86	-0.08	44.33	7	Silty sand & sandy silt	Sand like - Dilative
66	5	0.72	4.61	2.27	56.25	-0.23	38.67	7	Silty sand & sandy silt	Sand like - Dilative
67	5	0.74	4.77	2.32	53.79	-0.29	35.28	7	Silty sand & sandy silt	Sand like - Dilative
68	5	0.76	4.93	2.38	50.28	-0.19	32.29	7	Silty sand & sandy silt	Sand like - Dilative
69	5	0.78	5.03	2.42	47.14	-0.12	30.4	5	Silty sand & sandy silt	Transitional - Dilative
70	5	0.77	4.92	2.4	47.29	-0.23	31.29	5	Silty sand & sandy silt	Transitional - Dilative
71	5	0.74	4.54	2.32	51.72	-0.12	36.14	7	Silty sand & sandy silt	Sand like - Dilative
72	5	0.67	3.93	2.14	62.99	-0.01	48.11	7	Silty sand & sandy silt	Sand like - Dilative
73	6	0.62	3.47	1.99	73.66	0.18	61.46	7	Sand & silty sand	Sand like - Dilative
74	6	0.59	3.29	1.94	74.78	0.16	67.17	7	Sand & silty sand	Sand like - Dilative
75	6	0.63	3.48	2.01	64.83	0.02	60.5	7	Sand & silty sand	Sand like - Dilative
76	5	0.69	3.93	2.19	48.93	-0.18	47.29	7	Silty sand & sandy silt	Sand like - Dilative

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
77	5	0.76	4.45	2.37	37.1	-0.36	37	7	Silty sand & sandy silt	Sand like - Dilative
78	5	0.81	4.85	2.49	30.54	-0.46	31.25	5	Silty sand & sandy silt	Transitional - Dilative
79	4	0.87	5.43	2.66	24.26	-0.37	25.21	5	Clay & silty clay	Transitional - Dilative
80	3	0.95	6.23	2.87	18.39	-0.42	19.5	3	Clay	Clay-like - Dilative
81	3	1	6.78	3.07	13.59	-0.42	15.68	3	Clay	Clay-like - Dilative
82	3	1	6.69	3.22	10.47	-0.6	13.98	2	Clay	Clay-like - Contractive
83	2	1	6.63	3.42	7.33	-0.6	12.15	2	Organic soil	Clay-like - Contractive
84	2	1	6.53	3.58	5.68	-0.6	10.87	1	Organic soil	Clay-like - Contractive - Sensitive
85	2	1	6.46	3.83	3.96	-0.55	9.15	1	Organic soil	Clay-like - Contractive - Sensitive
86	2	1	6.38	3.78	4.42	-0.63	9.15	1	Organic soil	Clay-like - Contractive - Sensitive
87	2	1	6.3	4.06	1.99	-0.61	7.69	1	Organic soil	Clay-like - Contractive - Sensitive
88	0	1	6.25	0	-0.89	-0.59	6.17	0	N/A	N/A
89	2	1	6.15	4.06	0.83	-0.74	7.85	1	Organic soil	Clay-like - Contractive - Sensitive
90	2	1	6.1	4.06	1.79	-1.01	9	1	Organic soil	Clay-like - Contractive - Sensitive
91	2	1	6.05	3.94	3.07	-1.31	9.34	1	Organic soil	Clay-like - Contractive - Sensitive
92	2	1	5.95	4.06	0.08	-1.33	6.83	1	Organic soil	Clay-like - Contractive - Sensitive
93	0	1	5.92	0	-0.59	-1.25	6.19	0	N/A	N/A
94	0	1	5.86	0	-0.6	-1.21	5.54	0	N/A	N/A
95	2	1	5.78	3.7	6.16	-1.15	8.07	1	Organic soil	Clay-like - Contractive - Sensitive
96	3	0.97	5.44	2.91	25.85	-1.21	14.32	3	Clay	Clay-like - Dilative
97	4	0.84	4.31	2.59	43.47	-1.15	21.73	3	Clay & silty clay	Clay-like - Dilative
98	4	0.79	3.89	2.44	57.45	-1.21	25.89	5	Clay & silty clay	Transitional - Dilative
99	4	0.79	3.91	2.46	58.96	-1.09	24.39	5	Clay & silty clay	Transitional - Dilative
100	4	0.82	4.06	2.53	55.23	-0.98	21.18	3	Clay & silty clay	Clay-like - Dilative
101	4	0.87	4.33	2.64	48.45	-0.86	17.67	3	Clay & silty clay	Clay-like - Dilative
102	4	0.87	4.37	2.67	46.02	-0.95	17.34	3	Clay & silty clay	Clay-like - Dilative
103	3	0.88	4.35	2.68	43.56	-1.27	17.43	3	Clay	Clay-like - Dilative
104	3	0.89	4.37	2.7	41.34	-1.57	17.32	3	Clay	Clay-like - Dilative
105	3	0.9	4.45	2.73	39.07	-1.77	16.48	3	Clay	Clay-like - Dilative
106	3	0.91	4.47	2.76	37.65	-1.71	15.89	3	Clay	Clay-like - Dilative
107	3	0.93	4.57	2.8	35.26	-1.43	14.89	3	Clay	Clay-like - Dilative
108	3	0.92	4.46	2.78	35.73	-1.09	15.8	3	Clay	Clay-like - Dilative
109	3	0.9	4.28	2.73	36.9	-0.92	17.4	3	Clay	Clay-like - Dilative
110	4	0.85	3.96	2.61	41.27	-1	21.24	3	Clay & silty clay	Clay-like - Dilative
111	4	0.83	3.79	2.56	43.2	-1.11	23.38	5	Clay & silty clay	Transitional - Dilative
112	4	0.83	3.77	2.56	42.85	-1.15	23.45	5	Clay & silty clay	Transitional - Dilative
113	4	0.86	3.89	2.62	40.16	-1.14	21.15	3	Clay & silty clay	Clay-like - Dilative
114	3	0.89	4.08	2.71	36.98	-1.12	18.06	3	Clay	Clay-like - Dilative

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Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
115	3	0.92	4.21	2.78	35.3	-1.01	15.81	3	Clay	Clay-like - Dilative
116	3	0.93	4.21	2.8	35.87	-0.97	15	3	Clay	Clay-like - Dilative
117	3	0.9	4.05	2.74	39.83	-0.95	16.08	3	Clay	Clay-like - Dilative
118	4	0.86	3.77	2.63	45.58	-0.93	19.07	3	Clay & silty clay	Clay-like - Dilative
119	4	0.82	3.5	2.52	52.14	-0.85	22.89	5	Clay & silty clay	Transitional - Dilative
120	4	0.8	3.37	2.46	55.77	-0.89	25.26	5	Clay & silty clay	Transitional - Dilative
121	5	0.77	3.23	2.4	60.2	-1.05	27.64	5	Silty sand & sandy silt	Transitional - Dilative
122	5	0.74	3.07	2.32	68.09	-1.3	30.99	5	Silty sand & sandy silt	Transitional - Dilative
123	5	0.72	2.95	2.27	77.29	-1.58	32.88	7	Silty sand & sandy silt	Sand like - Dilative
124	5	0.71	2.88	2.23	86.96	-1.82	33.35	7	Silty sand & sandy silt	Sand like - Dilative
125	5	0.71	2.85	2.22	92.32	-1.96	33.21	7	Silty sand & sandy silt	Sand like - Dilative
126	5	0.69	2.78	2.18	98.88	-2.02	34.72	7	Silty sand & sandy silt	Sand like - Dilative
127	5	0.7	2.8	2.21	95.53	-2.08	33.13	7	Silty sand & sandy silt	Sand like - Dilative
128	5	0.73	2.9	2.29	87.06	-2.05	29.23	5	Silty sand & sandy silt	Transitional - Dilative
129	4	0.79	3.13	2.43	70.49	-1.94	23.45	5	Clay & silty clay	Transitional - Dilative
130	4	0.82	3.28	2.52	59.09	-1.79	20.83	3	Clay & silty clay	Clay-like - Dilative
131	4	0.85	3.36	2.58	50.96	-1.66	19.79	3	Clay & silty clay	Clay-like - Dilative
132	4	0.85	3.35	2.59	47.23	-1.58	20.68	3	Clay & silty clay	Clay-like - Dilative
133	4	0.84	3.31	2.58	44.97	-1.5	21.9	3	Clay & silty clay	Clay-like - Dilative
134	4	0.84	3.29	2.57	42.65	-1.43	22.68	5	Clay & silty clay	Transitional - Dilative
135	4	0.83	3.23	2.56	42.85	-1.36	23.63	5	Clay & silty clay	Transitional - Dilative
136	4	0.84	3.23	2.57	44.06	-1.31	22.67	5	Clay & silty clay	Transitional - Dilative
137	4	0.83	3.17	2.54	48.46	-1.35	22.68	5	Clay & silty clay	Transitional - Dilative
138	4	0.82	3.12	2.52	53.7	-1.41	22.1	5	Clay & silty clay	Transitional - Dilative
139	4	0.83	3.12	2.53	58.45	-1.47	20.6	3	Clay & silty clay	Clay-like - Dilative
140	4	0.84	3.16	2.56	58.8	-1.52	18.95	3	Clay & silty clay	Clay-like - Dilative
141	4	0.86	3.23	2.62	54.79	-1.58	17.18	3	Clay & silty clay	Clay-like - Dilative
142	5	0.77	2.84	2.38	72.32	-1.53	25.88	5	Silty sand & sandy silt	Transitional - Dilative
143	5	0.65	2.42	2.08	104.41	-1.46	43.23	7	Silty sand & sandy silt	Sand like - Dilative
144	6	0.59	2.2	1.9	131.3	-1.43	57.95	7	Sand & silty sand	Sand like - Dilative
145	6	0.57	2.13	1.85	151.19	-1.59	61.48	7	Sand & silty sand	Sand like - Dilative
146	6	0.55	2.08	1.81	166.6	-1.74	64.57	7	Sand & silty sand	Sand like - Dilative
147	6	0.52	1.99	1.73	188.75	-1.94	72.28	7	Sand & silty sand	Sand like - Dilative
148	6	0.5	1.93	1.67	204.46	-2.04	80.97	7	Sand & silty sand	Sand like - Dilative
149	6	0.5	1.92	1.67	208.3	-2.15	80.52	7	Sand & silty sand	Sand like - Dilative
150	6	0.51	1.95	1.71	200.69	-2.13	74.34	7	Sand & silty sand	Sand like - Dilative
151	6	0.53	1.99	1.76	188.97	-2.05	67.81	7	Sand & silty sand	Sand like - Dilative
152	6	0.56	2.06	1.83	177.64	-2	59.07	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
153	6	0.58	2.1	1.89	166.97	-1.91	53.3	7	Sand & silty sand	Sand like - Dilative
154	6	0.61	2.18	1.96	152.02	-1.97	46.81	7	Sand & silty sand	Sand like - Dilative
155	5	0.63	2.22	2.01	139.42	-1.91	43.17	7	Silty sand & sandy silt	Sand like - Dilative
156	5	0.64	2.25	2.05	132.45	-1.97	40.81	7	Silty sand & sandy silt	Sand like - Dilative
157	5	0.65	2.27	2.07	126.43	-1.91	39.55	7	Silty sand & sandy silt	Sand like - Dilative
158	5	0.66	2.28	2.09	120.5	-1.86	38.85	7	Silty sand & sandy silt	Sand like - Dilative
159	5	0.67	2.3	2.12	113.74	-1.75	37.7	7	Silty sand & sandy silt	Sand like - Dilative
160	5	0.68	2.32	2.15	106.95	-1.69	36.47	7	Silty sand & sandy silt	Sand like - Dilative
161	5	0.69	2.34	2.17	100.9	-1.69	35.19	7	Silty sand & sandy silt	Sand like - Dilative
162	5	0.7	2.36	2.2	96.05	-1.74	33.78	7	Silty sand & sandy silt	Sand like - Dilative
163	5	0.71	2.36	2.21	93.76	-1.78	33.33	7	Silty sand & sandy silt	Sand like - Dilative
164	5	0.7	2.34	2.2	98.35	-1.82	33.95	7	Silty sand & sandy silt	Sand like - Dilative
165	5	0.71	2.35	2.22	97.01	-1.8	32.28	7	Silty sand & sandy silt	Sand like - Dilative
166	5	0.73	2.41	2.28	91.85	-1.87	28.91	5	Silty sand & sandy silt	Transitional - Dilative
167	4	0.78	2.54	2.41	76.58	-1.83	23.54	5	Clay & silty clay	Transitional - Dilative
168	4	0.77	2.51	2.39	78.09	-1.79	24.42	5	Clay & silty clay	Transitional - Dilative
169	5	0.72	2.34	2.25	93.6	-1.61	30.54	5	Silty sand & sandy silt	Transitional - Dilative
170	5	0.67	2.2	2.11	112.44	-1.6	38.2	7	Silty sand & sandy silt	Sand like - Dilative
171	5	0.64	2.11	2.03	123.97	-1.65	44.45	7	Silty sand & sandy silt	Sand like - Dilative
172	6	0.63	2.07	2	126.43	-1.69	47.66	7	Sand & silty sand	Sand like - Dilative
173	6	0.6	2.01	1.94	131.26	-1.66	53.21	7	Sand & silty sand	Sand like - Dilative
174	6	0.59	1.97	1.9	130.68	-1.59	58.39	7	Sand & silty sand	Sand like - Dilative
175	6	0.57	1.93	1.86	128.37	-1.59	64.76	7	Sand & silty sand	Sand like - Dilative
176	6	0.56	1.9	1.83	124.22	-1.6	71.04	7	Sand & silty sand	Sand like - Dilative
177	6	0.55	1.87	1.8	123.74	-1.61	76.06	7	Sand & silty sand	Sand like - Dilative
178	6	0.54	1.83	1.76	124.81	-1.64	82.04	7	Sand & silty sand	Sand like - Dilative
179	6	0.53	1.81	1.74	125.39	-1.69	85.37	7	Sand & silty sand	Sand like - Dilative
180	6	0.53	1.8	1.73	125.72	-1.66	86.53	7	Sand & silty sand	Sand like - Dilative
181	6	0.53	1.79	1.73	126.92	-1.7	86.67	7	Sand & silty sand	Sand like - Dilative
182	6	0.53	1.79	1.73	125.58	-1.29	86.67	7	Sand & silty sand	Sand like - Dilative
183	6	0.53	1.79	1.74	125.19	-0.97	85.56	7	Sand & silty sand	Sand like - Dilative
184	6	0.54	1.81	1.77	124	-0.64	80.29	7	Sand & silty sand	Sand like - Dilative
185	6	0.56	1.83	1.81	123.56	-0.54	73.42	7	Sand & silty sand	Sand like - Dilative
186	6	0.57	1.85	1.84	122.45	-0.43	68.67	7	Sand & silty sand	Sand like - Dilative
187	6	0.57	1.85	1.84	124.26	-0.35	68.53	7	Sand & silty sand	Sand like - Dilative
188	6	0.56	1.83	1.83	125.18	-0.42	70.05	7	Sand & silty sand	Sand like - Dilative
189	6	0.56	1.81	1.81	126.56	-0.52	73.19	7	Sand & silty sand	Sand like - Dilative
190	6	0.55	1.81	1.81	124.28	-0.51	74.08	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
191	6	0.54	1.78	1.78	123.05	-0.57	79.01	7	Sand & silty sand	Sand like - Dilative
192	6	0.53	1.74	1.73	123.85	-0.59	86.67	7	Sand & silty sand	Sand like - Dilative
193	6	0.5	1.7	1.67	126.35	-0.53	98.23	7	Sand & silty sand	Sand like - Dilative
194	6	0.49	1.67	1.63	129.4	-0.5	105.25	7	Sand & silty sand	Sand like - Dilative
195	6	0.48	1.65	1.61	131.92	-0.52	108.7	7	Sand & silty sand	Sand like - Dilative
196	6	0.48	1.64	1.61	132.06	-0.41	108.41	7	Sand & silty sand	Sand like - Dilative
197	6	0.48	1.64	1.61	133.3	-0.26	108.45	7	Sand & silty sand	Sand like - Dilative
198	6	0.49	1.64	1.62	132.99	-0.07	106.52	7	Sand & silty sand	Sand like - Dilative
199	6	0.49	1.65	1.63	134.86	-0.08	103.91	7	Sand & silty sand	Sand like - Dilative
200	6	0.5	1.66	1.65	135.55	-0.11	99.52	7	Sand & silty sand	Sand like - Dilative
201	6	0.5	1.66	1.67	136.42	-0.09	95.85	7	Sand & silty sand	Sand like - Dilative
202	6	0.5	1.66	1.67	136.05	-0.09	95.47	7	Sand & silty sand	Sand like - Dilative
203	6	0.5	1.65	1.67	136.11	-0.11	96.33	7	Sand & silty sand	Sand like - Dilative
204	6	0.5	1.64	1.66	136.33	-0.17	97.77	7	Sand & silty sand	Sand like - Dilative
205	6	0.5	1.63	1.65	137.28	-0.19	99.02	7	Sand & silty sand	Sand like - Dilative
206	6	0.5	1.63	1.65	137.36	-0.21	99	7	Sand & silty sand	Sand like - Dilative
207	6	0.5	1.63	1.65	136.76	-0.2	99.39	7	Sand & silty sand	Sand like - Dilative
208	6	0.5	1.63	1.66	136.43	-0.21	98	7	Sand & silty sand	Sand like - Dilative
209	6	0.5	1.62	1.66	136.15	-0.07	97.84	7	Sand & silty sand	Sand like - Dilative
210	6	0.5	1.62	1.66	137.09	0.09	98	7	Sand & silty sand	Sand like - Dilative
211	6	0.5	1.61	1.65	138.66	0.18	99.39	7	Sand & silty sand	Sand like - Dilative
212	6	0.5	1.6	1.65	139.99	0.11	99.98	7	Sand & silty sand	Sand like - Dilative
213	6	0.5	1.6	1.65	140.55	0.19	98.14	7	Sand & silty sand	Sand like - Dilative
214	6	0.52	1.63	1.7	142.2	0.43	87.81	7	Sand & silty sand	Sand like - Dilative
215	6	0.55	1.67	1.78	145.27	0.75	73.04	7	Sand & silty sand	Sand like - Dilative
216	6	0.58	1.72	1.86	148.57	0.9	60.59	7	Sand & silty sand	Sand like - Dilative
217	6	0.6	1.75	1.91	150.82	0.98	52.79	7	Sand & silty sand	Sand like - Dilative
218	6	0.62	1.77	1.96	154.02	1.01	46.15	7	Sand & silty sand	Sand like - Dilative
219	6	0.63	1.78	1.99	157.45	1	43	7	Sand & silty sand	Sand like - Dilative
220	6	0.62	1.76	1.96	169.12	0.87	44.63	7	Sand & silty sand	Sand like - Dilative
221	6	0.59	1.71	1.88	182.71	0.66	51.22	7	Sand & silty sand	Sand like - Dilative
222	6	0.58	1.7	1.87	180.33	0.41	53.65	7	Sand & silty sand	Sand like - Dilative
223	6	0.59	1.7	1.89	169.5	0.25	53	7	Sand & silty sand	Sand like - Dilative
224	6	0.61	1.72	1.93	153.97	0.18	50.08	7	Sand & silty sand	Sand like - Dilative
225	6	0.6	1.72	1.92	153.99	0.21	50.93	7	Sand & silty sand	Sand like - Dilative
226	6	0.59	1.69	1.9	154.2	0.23	54.42	7	Sand & silty sand	Sand like - Dilative
227	6	0.57	1.66	1.84	153.73	0.25	62.64	7	Sand & silty sand	Sand like - Dilative
228	6	0.54	1.61	1.75	153.36	0.26	77.01	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
229	6	0.51	1.56	1.68	153.59	0.26	90.22	7	Sand & silty sand	Sand like - Dilative
230	6	0.5	1.55	1.66	155.37	0.28	93.46	7	Sand & silty sand	Sand like - Dilative
231	6	0.51	1.55	1.67	156.84	0.31	90.45	7	Sand & silty sand	Sand like - Dilative
232	6	0.52	1.57	1.7	156.4	0.34	84.42	7	Sand & silty sand	Sand like - Dilative
233	6	0.53	1.58	1.74	155.51	0.32	78.83	7	Sand & silty sand	Sand like - Dilative
234	6	0.54	1.59	1.76	153.89	0.3	75.11	7	Sand & silty sand	Sand like - Dilative
235	6	0.55	1.59	1.77	153.48	0.28	72.86	7	Sand & silty sand	Sand like - Dilative
236	6	0.55	1.59	1.78	153.85	0.27	71.95	7	Sand & silty sand	Sand like - Dilative
237	6	0.55	1.59	1.78	154.68	0.27	71.18	7	Sand & silty sand	Sand like - Dilative
238	6	0.55	1.59	1.79	154.4	0.25	70.53	7	Sand & silty sand	Sand like - Dilative
239	6	0.56	1.59	1.8	153.68	0.24	68.38	7	Sand & silty sand	Sand like - Dilative
240	6	0.56	1.59	1.81	152.82	0.22	66.42	7	Sand & silty sand	Sand like - Dilative
241	6	0.57	1.6	1.82	152.65	0.21	65.43	7	Sand & silty sand	Sand like - Dilative
242	6	0.56	1.59	1.81	154.19	0.19	66.68	7	Sand & silty sand	Sand like - Dilative
243	6	0.56	1.58	1.8	156.03	0.19	68.08	7	Sand & silty sand	Sand like - Dilative
244	6	0.55	1.57	1.79	160.39	0.18	69.27	7	Sand & silty sand	Sand like - Dilative
245	6	0.55	1.56	1.77	165.85	0.15	69.86	7	Sand & silty sand	Sand like - Dilative
246	6	0.56	1.57	1.8	164.18	0.09	66.73	7	Sand & silty sand	Sand like - Dilative
247	6	0.55	1.55	1.77	170.04	0.01	68.98	7	Sand & silty sand	Sand like - Dilative
248	6	0.53	1.53	1.72	178.21	-0.06	76.11	7	Sand & silty sand	Sand like - Dilative
249	6	0.5	1.48	1.64	191.28	-0.12	89.6	7	Sand & silty sand	Sand like - Dilative
250	6	0.49	1.47	1.61	201.66	-0.22	92.75	7	Sand & silty sand	Sand like - Dilative
251	6	0.5	1.49	1.66	206.09	-0.32	82.52	7	Sand & silty sand	Sand like - Dilative
252	6	0.52	1.5	1.7	213.94	-0.39	74.11	7	Sand & silty sand	Sand like - Dilative
253	6	0.53	1.51	1.71	218.9	-0.44	70.1	7	Sand & silty sand	Sand like - Dilative
254	6	0.52	1.49	1.7	227.62	-0.48	71.56	7	Sand & silty sand	Sand like - Dilative
255	6	0.53	1.5	1.72	222.56	-0.54	67.77	7	Sand & silty sand	Sand like - Dilative
256	6	0.56	1.53	1.8	202.19	-0.59	59.88	7	Sand & silty sand	Sand like - Dilative
257	6	0.59	1.56	1.88	178.21	-0.65	52.75	7	Sand & silty sand	Sand like - Dilative
258	6	0.6	1.57	1.91	165.77	-0.64	51.18	7	Sand & silty sand	Sand like - Dilative
259	6	0.58	1.55	1.85	161.47	-0.58	59.7	7	Sand & silty sand	Sand like - Dilative
260	6	0.55	1.51	1.78	153.16	-0.49	71.04	7	Sand & silty sand	Sand like - Dilative
261	6	0.53	1.48	1.71	143.58	-0.45	86.05	7	Sand & silty sand	Sand like - Dilative
262	6	0.52	1.48	1.71	134.7	-0.46	88.44	7	Sand & silty sand	Sand like - Dilative
263	6	0.53	1.48	1.72	128.2	-0.47	87.6	7	Sand & silty sand	Sand like - Dilative
264	6	0.54	1.49	1.76	121.36	-0.45	83.14	7	Sand & silty sand	Sand like - Dilative
265	6	0.55	1.5	1.78	116.2	-0.42	79.76	7	Sand & silty sand	Sand like - Dilative
266	6	0.56	1.51	1.81	111.32	-0.39	76.39	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
267	6	0.57	1.51	1.83	108.31	-0.37	73.72	7	Sand & silty sand	Sand like - Dilative
268	6	0.58	1.52	1.86	105.85	-0.39	70.88	7	Sand & silty sand	Sand like - Dilative
269	6	0.59	1.53	1.88	104.09	-0.4	68.02	7	Sand & silty sand	Sand like - Dilative
270	6	0.6	1.53	1.9	102.28	-0.43	65.57	7	Sand & silty sand	Sand like - Dilative
271	6	0.6	1.53	1.92	100.87	-0.41	63.64	7	Sand & silty sand	Sand like - Dilative
272	6	0.61	1.54	1.93	99.83	-0.4	62.39	7	Sand & silty sand	Sand like - Dilative
273	6	0.61	1.54	1.93	99.06	-0.37	61.73	7	Sand & silty sand	Sand like - Dilative
274	6	0.61	1.53	1.93	98.31	-0.36	61.85	7	Sand & silty sand	Sand like - Dilative
275	6	0.61	1.53	1.93	97.2	-0.37	62.49	7	Sand & silty sand	Sand like - Dilative
276	6	0.61	1.52	1.93	95.65	-0.36	63.07	7	Sand & silty sand	Sand like - Dilative
277	6	0.61	1.52	1.94	93.98	-0.37	62.86	7	Sand & silty sand	Sand like - Dilative
278	6	0.62	1.52	1.94	92.59	-0.38	62.04	7	Sand & silty sand	Sand like - Dilative
279	6	0.62	1.52	1.95	91.73	-0.41	61.39	7	Sand & silty sand	Sand like - Dilative
280	6	0.61	1.51	1.93	90.47	-0.4	64.05	7	Sand & silty sand	Sand like - Dilative
281	6	0.6	1.49	1.89	89.42	-0.41	69.71	7	Sand & silty sand	Sand like - Dilative
282	6	0.57	1.47	1.83	89.09	-0.41	78.54	7	Sand & silty sand	Sand like - Dilative
283	6	0.55	1.44	1.77	89.66	-0.4	86.66	7	Sand & silty sand	Sand like - Dilative
284	6	0.54	1.43	1.74	89.02	-0.4	92.39	7	Sand & silty sand	Sand like - Dilative
285	6	0.53	1.42	1.72	87.58	-0.38	94.53	7	Sand & silty sand	Sand like - Dilative
286	6	0.54	1.43	1.75	85.27	-0.37	90.59	7	Sand & silty sand	Sand like - Dilative
287	6	0.56	1.44	1.79	83.5	-0.34	84.6	7	Sand & silty sand	Sand like - Dilative
288	6	0.58	1.46	1.85	81.78	-0.34	77.1	7	Sand & silty sand	Sand like - Dilative
289	6	0.6	1.47	1.89	80.84	-0.33	72.1	7	Sand & silty sand	Sand like - Dilative
290	6	0.61	1.48	1.92	80.59	-0.34	67.8	7	Sand & silty sand	Sand like - Dilative
291	6	0.62	1.49	1.95	80.92	-0.34	63.72	7	Sand & silty sand	Sand like - Dilative
292	6	0.63	1.49	1.98	81.14	-0.35	60.17	7	Sand & silty sand	Sand like - Dilative
293	6	0.64	1.5	2	81.42	-0.35	57.82	7	Sand & silty sand	Sand like - Dilative
294	6	0.64	1.5	2.01	82.26	-0.37	56.16	7	Sand & silty sand	Sand like - Dilative
295	6	0.65	1.5	2.02	83.93	-0.36	55.19	7	Sand & silty sand	Sand like - Dilative
296	6	0.61	1.46	1.94	94.8	-0.37	62.58	7	Sand & silty sand	Sand like - Dilative
297	6	0.58	1.43	1.86	103.84	-0.27	71.12	7	Sand & silty sand	Sand like - Dilative
298	6	0.55	1.4	1.77	115.72	-0.21	81.64	7	Sand & silty sand	Sand like - Dilative
299	6	0.54	1.4	1.75	120.5	-0.23	84.22	7	Sand & silty sand	Sand like - Dilative
300	6	0.54	1.39	1.74	126.89	-0.38	85.12	7	Sand & silty sand	Sand like - Dilative
301	6	0.54	1.39	1.74	130.57	-0.48	83.65	7	Sand & silty sand	Sand like - Dilative
302	6	0.55	1.39	1.75	134.18	-0.53	80.58	7	Sand & silty sand	Sand like - Dilative
303	6	0.55	1.39	1.77	135.22	-0.54	78.09	7	Sand & silty sand	Sand like - Dilative
304	6	0.56	1.39	1.78	135.03	-0.58	76.19	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
305	6	0.56	1.4	1.8	132.38	-0.58	72.92	7	Sand & silty sand	Sand like - Dilative
306	6	0.58	1.41	1.85	132.3	-0.57	65.55	7	Sand & silty sand	Sand like - Dilative
307	6	0.59	1.42	1.88	135.82	-0.55	60.18	7	Sand & silty sand	Sand like - Dilative
308	6	0.6	1.42	1.9	142.82	-0.55	55.55	7	Sand & silty sand	Sand like - Dilative
309	6	0.6	1.41	1.89	152.23	-0.55	55.09	7	Sand & silty sand	Sand like - Dilative
310	6	0.59	1.4	1.86	162.97	-0.6	57.38	7	Sand & silty sand	Sand like - Dilative
311	6	0.57	1.38	1.81	174.18	-0.62	62.4	7	Sand & silty sand	Sand like - Dilative
312	6	0.55	1.36	1.75	184.94	-0.64	69.46	7	Sand & silty sand	Sand like - Dilative
313	6	0.53	1.35	1.71	192.94	-0.59	75.9	7	Sand & silty sand	Sand like - Dilative
314	6	0.52	1.34	1.68	191.06	-0.55	81.42	7	Sand & silty sand	Sand like - Dilative
315	6	0.51	1.33	1.66	183.72	-0.53	86.87	7	Sand & silty sand	Sand like - Dilative
316	6	0.51	1.33	1.66	172.47	-0.49	88.47	7	Sand & silty sand	Sand like - Dilative
317	6	0.51	1.33	1.67	167.33	-0.47	89.36	7	Sand & silty sand	Sand like - Dilative
318	6	0.52	1.33	1.68	164.3	-0.43	87.52	7	Sand & silty sand	Sand like - Dilative
319	6	0.54	1.34	1.72	162.88	-0.42	79.36	7	Sand & silty sand	Sand like - Dilative
320	6	0.55	1.35	1.76	161.54	-0.43	72.66	7	Sand & silty sand	Sand like - Dilative
321	6	0.56	1.36	1.79	160.38	-0.42	68.04	7	Sand & silty sand	Sand like - Dilative
322	6	0.56	1.35	1.78	159.24	-0.42	70.73	7	Sand & silty sand	Sand like - Dilative
323	6	0.54	1.34	1.74	161.07	-0.42	75.97	7	Sand & silty sand	Sand like - Dilative
324	6	0.54	1.33	1.73	163.33	-0.41	78.73	7	Sand & silty sand	Sand like - Dilative
325	6	0.54	1.33	1.73	169.7	-0.42	77.53	7	Sand & silty sand	Sand like - Dilative
326	6	0.52	1.31	1.68	187.33	-0.43	81.25	7	Sand & silty sand	Sand like - Dilative
327	6	0.5	1.3	1.63	206.2	-0.48	87.46	7	Sand & silty sand	Sand like - Dilative
328	6	0.49	1.29	1.6	217.48	-0.49	92.58	7	Sand & silty sand	Sand like - Dilative
329	6	0.49	1.29	1.61	211.69	-0.51	91.56	7	Sand & silty sand	Sand like - Dilative
330	6	0.51	1.3	1.65	195.72	-0.51	86.44	7	Sand & silty sand	Sand like - Dilative
331	6	0.52	1.3	1.68	181.29	-0.52	83.64	7	Sand & silty sand	Sand like - Dilative
332	6	0.53	1.31	1.71	166.13	-0.52	80.26	7	Sand & silty sand	Sand like - Dilative
333	6	0.54	1.31	1.73	156.1	-0.52	79.91	7	Sand & silty sand	Sand like - Dilative
334	6	0.54	1.31	1.74	146.2	-0.49	79.79	7	Sand & silty sand	Sand like - Dilative
335	6	0.55	1.32	1.77	137.65	-0.47	77.59	7	Sand & silty sand	Sand like - Dilative
336	6	0.56	1.32	1.78	131.14	-0.48	76.22	7	Sand & silty sand	Sand like - Dilative
337	6	0.56	1.32	1.79	127.15	-0.5	76.87	7	Sand & silty sand	Sand like - Dilative
338	6	0.55	1.31	1.77	126.85	-0.53	80.22	7	Sand & silty sand	Sand like - Dilative
339	6	0.54	1.3	1.74	130.02	-0.52	84.88	7	Sand & silty sand	Sand like - Dilative
340	6	0.53	1.29	1.71	134.69	-0.53	88.26	7	Sand & silty sand	Sand like - Dilative
341	6	0.52	1.29	1.69	138.7	-0.54	91.3	7	Sand & silty sand	Sand like - Dilative
342	6	0.51	1.28	1.66	144.21	-0.54	95.21	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
343	6	0.5	1.27	1.63	154.77	-0.54	100.58	7	Sand & silty sand	Sand like - Dilative
344	6	0.49	1.26	1.6	166.06	-0.56	102.79	7	Sand & silty sand	Sand like - Dilative
345	6	0.51	1.27	1.64	167.82	-0.58	95.04	7	Sand & silty sand	Sand like - Dilative
346	6	0.53	1.28	1.7	158.57	-0.5	83.89	7	Sand & silty sand	Sand like - Dilative
347	6	0.55	1.29	1.75	150.1	-0.39	76.8	7	Sand & silty sand	Sand like - Dilative
348	6	0.56	1.29	1.77	146.38	-0.31	74.19	7	Sand & silty sand	Sand like - Dilative
349	6	0.56	1.29	1.78	145.43	-0.36	72.94	7	Sand & silty sand	Sand like - Dilative
350	6	0.58	1.3	1.83	138.17	-0.43	66.42	7	Sand & silty sand	Sand like - Dilative
351	6	0.6	1.31	1.89	130.81	-0.51	60.45	7	Sand & silty sand	Sand like - Dilative
352	6	0.62	1.32	1.93	125.58	-0.61	56.02	7	Sand & silty sand	Sand like - Dilative
353	6	0.62	1.32	1.93	124.35	-0.71	55.67	7	Sand & silty sand	Sand like - Dilative
354	6	0.62	1.31	1.92	123.81	-0.77	56.97	7	Sand & silty sand	Sand like - Dilative
355	6	0.61	1.31	1.9	123.86	-0.82	59.71	7	Sand & silty sand	Sand like - Dilative
356	6	0.6	1.3	1.87	122.43	-0.87	64.37	7	Sand & silty sand	Sand like - Dilative
357	6	0.58	1.28	1.83	122.02	-0.89	71.34	7	Sand & silty sand	Sand like - Dilative
358	6	0.56	1.28	1.79	120.63	-0.89	77.94	7	Sand & silty sand	Sand like - Dilative
359	6	0.56	1.27	1.77	121.5	-0.87	80.3	7	Sand & silty sand	Sand like - Dilative
360	6	0.56	1.27	1.78	122.58	-0.86	78.97	7	Sand & silty sand	Sand like - Dilative
361	6	0.57	1.27	1.79	125.43	-0.82	76.12	7	Sand & silty sand	Sand like - Dilative
362	6	0.57	1.27	1.81	127.8	-0.77	72.17	7	Sand & silty sand	Sand like - Dilative
363	6	0.58	1.28	1.84	129.21	-0.74	67.88	7	Sand & silty sand	Sand like - Dilative
364	6	0.61	1.29	1.9	128.85	-0.74	59.55	7	Sand & silty sand	Sand like - Dilative
365	6	0.64	1.3	1.98	128.61	-0.76	48.92	7	Sand & silty sand	Sand like - Dilative
366	5	0.68	1.32	2.08	127.5	-0.77	38.77	7	Silty sand & sandy silt	Sand like - Dilative
367	5	0.7	1.33	2.14	127.17	-0.78	33.06	7	Silty sand & sandy silt	Sand like - Dilative
368	5	0.71	1.33	2.18	126.25	-0.79	30.51	5	Silty sand & sandy silt	Transitional - Dilative
369	5	0.72	1.33	2.19	126.25	-0.77	29.48	5	Silty sand & sandy silt	Transitional - Dilative
370	5	0.7	1.32	2.13	142.13	-0.75	32.02	7	Silty sand & sandy silt	Sand like - Dilative
371	5	0.65	1.29	2.02	169.61	-0.73	37.88	7	Silty sand & sandy silt	Sand like - Dilative
372	6	0.6	1.26	1.87	213.02	-0.74	48.08	7	Sand & silty sand	Sand like - Dilative
373	6	0.58	1.25	1.82	230.24	-0.76	53.31	7	Sand & silty sand	Sand like - Dilative
374	6	0.58	1.25	1.83	229.84	-0.78	51.93	7	Sand & silty sand	Sand like - Dilative
375	6	0.61	1.26	1.9	219.46	-0.76	44.2	7	Sand & silty sand	Sand like - Dilative
376	5	0.64	1.28	1.99	198.77	-0.73	37.76	7	Silty sand & sandy silt	Sand like - Dilative
377	5	0.64	1.27	1.98	202.34	-0.69	37.93	7	Silty sand & sandy silt	Sand like - Dilative
378	6	0.62	1.26	1.94	207.97	-0.68	41.93	7	Sand & silty sand	Sand like - Dilative
379	6	0.57	1.24	1.79	257.66	-0.72	52.99	7	Sand & silty sand	Sand like - Dilative
380	6	0.53	1.22	1.69	314.44	-0.78	62.06	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
381	6	0.49	1.2	1.6	375.37	-0.85	70.89	7	Sand & silty sand	Sand like - Dilative
382	6	0.48	1.19	1.56	409.1	-0.88	74.55	7	Sand & silty sand	Sand like - Dilative
383	6	0.5	1.2	1.62	371.47	-0.86	67.03	7	Sand & silty sand	Sand like - Dilative
384	6	0.55	1.22	1.75	301.9	-0.8	54.36	7	Sand & silty sand	Sand like - Dilative
385	6	0.62	1.25	1.92	226.54	-0.76	41.16	7	Sand & silty sand	Sand like - Dilative
386	5	0.64	1.25	1.98	204.53	-0.68	38.29	7	Silty sand & sandy silt	Sand like - Dilative
387	6	0.63	1.25	1.96	201.62	-0.64	39.8	7	Sand & silty sand	Sand like - Dilative
388	6	0.61	1.24	1.89	205.96	-0.56	46.68	7	Sand & silty sand	Sand like - Dilative
389	6	0.58	1.22	1.83	202.22	-0.47	55.6	7	Sand & silty sand	Sand like - Dilative
390	6	0.55	1.21	1.76	196.84	-0.42	66.79	7	Sand & silty sand	Sand like - Dilative
391	6	0.54	1.2	1.73	192.22	-0.4	72.85	7	Sand & silty sand	Sand like - Dilative
392	6	0.54	1.2	1.71	190.34	-0.44	75.78	7	Sand & silty sand	Sand like - Dilative
393	6	0.53	1.2	1.7	190.27	-0.44	77.79	7	Sand & silty sand	Sand like - Dilative
394	6	0.53	1.2	1.7	191.09	-0.46	78.33	7	Sand & silty sand	Sand like - Dilative
395	6	0.53	1.19	1.7	192.42	-0.47	78.27	7	Sand & silty sand	Sand like - Dilative
396	6	0.54	1.19	1.7	192.34	-0.49	76.64	7	Sand & silty sand	Sand like - Dilative
397	6	0.54	1.19	1.72	192.2	-0.47	74.65	7	Sand & silty sand	Sand like - Dilative
398	6	0.54	1.19	1.73	191.27	-0.51	72.64	7	Sand & silty sand	Sand like - Dilative
399	6	0.55	1.19	1.73	190.95	-0.54	71.66	7	Sand & silty sand	Sand like - Dilative
400	6	0.55	1.19	1.74	190.07	-0.59	70.94	7	Sand & silty sand	Sand like - Dilative
401	6	0.55	1.19	1.74	190.94	-0.59	71.22	7	Sand & silty sand	Sand like - Dilative
402	6	0.55	1.19	1.73	195.6	-0.6	71.65	7	Sand & silty sand	Sand like - Dilative
403	6	0.54	1.19	1.73	200.68	-0.6	71.11	7	Sand & silty sand	Sand like - Dilative
404	6	0.55	1.18	1.73	205.79	-0.61	69.3	7	Sand & silty sand	Sand like - Dilative
405	6	0.56	1.19	1.76	210.08	-0.6	64.65	7	Sand & silty sand	Sand like - Dilative
406	6	0.56	1.19	1.78	215.36	-0.59	60.31	7	Sand & silty sand	Sand like - Dilative
407	6	0.57	1.19	1.79	224.91	-0.57	57	7	Sand & silty sand	Sand like - Dilative
408	6	0.57	1.19	1.79	233.39	-0.57	56.29	7	Sand & silty sand	Sand like - Dilative
409	6	0.57	1.18	1.78	241.08	-0.56	56.51	7	Sand & silty sand	Sand like - Dilative
410	6	0.57	1.18	1.78	241.99	-0.6	56.63	7	Sand & silty sand	Sand like - Dilative
411	6	0.57	1.18	1.78	238.4	-0.57	56.51	7	Sand & silty sand	Sand like - Dilative
412	6	0.57	1.18	1.78	231.97	-0.57	57.25	7	Sand & silty sand	Sand like - Dilative
413	6	0.57	1.18	1.78	225.38	-0.54	58.32	7	Sand & silty sand	Sand like - Dilative
414	6	0.57	1.18	1.78	218.92	-0.53	59.67	7	Sand & silty sand	Sand like - Dilative
415	6	0.57	1.17	1.78	214.32	-0.54	59.72	7	Sand & silty sand	Sand like - Dilative
416	6	0.57	1.17	1.78	211.76	-0.54	60.27	7	Sand & silty sand	Sand like - Dilative
417	6	0.56	1.17	1.77	215.07	-0.52	62.07	7	Sand & silty sand	Sand like - Dilative
418	6	0.55	1.16	1.74	226.58	-0.52	64.48	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
419	6	0.54	1.16	1.71	242.37	-0.5	66.66	7	Sand & silty sand	Sand like - Dilative
420	6	0.53	1.16	1.69	264.52	-0.52	67.35	7	Sand & silty sand	Sand like - Dilative
421	6	0.53	1.15	1.67	279.89	-0.51	68	7	Sand & silty sand	Sand like - Dilative
422	6	0.52	1.15	1.66	292.42	-0.51	68.11	7	Sand & silty sand	Sand like - Dilative
423	6	0.52	1.15	1.67	295.86	-0.5	67.46	7	Sand & silty sand	Sand like - Dilative
424	6	0.53	1.15	1.68	295.35	-0.49	65.77	7	Sand & silty sand	Sand like - Dilative
425	6	0.53	1.15	1.69	293.27	-0.5	64.21	7	Sand & silty sand	Sand like - Dilative
426	6	0.54	1.15	1.7	288.55	-0.48	62.81	7	Sand & silty sand	Sand like - Dilative
427	6	0.54	1.15	1.71	284.94	-0.47	61.64	7	Sand & silty sand	Sand like - Dilative
428	6	0.55	1.15	1.73	278.8	-0.45	59.67	7	Sand & silty sand	Sand like - Dilative
429	6	0.56	1.15	1.75	268.9	-0.48	57.4	7	Sand & silty sand	Sand like - Dilative
430	6	0.56	1.15	1.77	257.53	-0.53	55.99	7	Sand & silty sand	Sand like - Dilative
431	6	0.57	1.15	1.78	243.41	-0.59	56.04	7	Sand & silty sand	Sand like - Dilative
432	6	0.57	1.15	1.78	228.45	-0.6	57.85	7	Sand & silty sand	Sand like - Dilative
433	6	0.57	1.15	1.79	213.87	-0.6	59.61	7	Sand & silty sand	Sand like - Dilative
434	6	0.57	1.15	1.78	203.35	-0.54	61.66	7	Sand & silty sand	Sand like - Dilative
435	6	0.57	1.14	1.78	198.3	-0.53	63.11	7	Sand & silty sand	Sand like - Dilative
436	6	0.56	1.14	1.77	194.24	-0.51	65.5	7	Sand & silty sand	Sand like - Dilative
437	6	0.56	1.14	1.76	188.62	-0.53	67.57	7	Sand & silty sand	Sand like - Dilative
438	6	0.56	1.14	1.76	183.63	-0.52	68.56	7	Sand & silty sand	Sand like - Dilative
439	6	0.57	1.14	1.78	179.2	-0.52	66.46	7	Sand & silty sand	Sand like - Dilative
440	6	0.6	1.14	1.86	177.96	-0.49	54.83	7	Sand & silty sand	Sand like - Dilative
441	6	0.64	1.15	1.97	177.04	-0.47	42.44	7	Sand & silty sand	Sand like - Dilative
442	5	0.67	1.16	2.05	177.62	-0.44	34.75	7	Silty sand & sandy silt	Sand like - Dilative
443	8	0.69	1.16	2.09	179.7	-0.44	31.18	5	Very stiff sand/clayey sand	Transitional - Dilative
444	8	0.69	1.16	2.09	186.6	-0.44	30.03	5	Very stiff sand/clayey sand	Transitional - Dilative
445	8	0.67	1.15	2.03	211.74	-0.46	32.42	7	Very stiff sand/clayey sand	Sand like - Dilative
446	6	0.61	1.14	1.88	273.77	-0.47	41.34	7	Sand & silty sand	Sand like - Dilative
447	6	0.55	1.12	1.74	344.19	-0.53	52.33	7	Sand & silty sand	Sand like - Dilative
448	6	0.52	1.11	1.64	418.25	-0.48	59.87	7	Sand & silty sand	Sand like - Dilative
449	6	0.53	1.11	1.67	418.59	-0.45	56.24	7	Sand & silty sand	Sand like - Dilative
450	6	0.56	1.12	1.74	392.72	-0.26	48.32	7	Sand & silty sand	Sand like - Dilative
451	8	0.6	1.13	1.87	329.22	-0.21	38.45	7	Very stiff sand/clayey sand	Sand like - Dilative
452	8	0.64	1.13	1.95	299.52	-0.05	33.02	7	Very stiff sand/clayey sand	Sand like - Dilative
453	8	0.63	1.13	1.94	306.51	0.05	33.45	7	Very stiff sand/clayey sand	Sand like - Dilative
454	8	0.61	1.13	1.89	333.22	0.15	36.61	7	Very stiff sand/clayey sand	Sand like - Dilative
455	8	0.59	1.12	1.82	363.55	0.16	41.6	7	Very stiff sand/clayey sand	Sand like - Dilative
456	6	0.57	1.11	1.78	365.91	0.2	46	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
457	6	0.55	1.11	1.74	357.95	0.21	51.46	7	Sand & silty sand	Sand like - Dilative
458	6	0.53	1.1	1.69	353.2	0.23	58.73	7	Sand & silty sand	Sand like - Dilative
459	6	0.52	1.1	1.65	354.08	0.16	64.38	7	Sand & silty sand	Sand like - Dilative
460	6	0.5	1.1	1.61	357.17	0.22	70.4	7	Sand & silty sand	Sand like - Dilative
461	6	0.5	1.09	1.59	351.26	0.29	73.89	7	Sand & silty sand	Sand like - Dilative
462	6	0.5	1.09	1.6	341.14	0.41	74.09	7	Sand & silty sand	Sand like - Dilative
463	6	0.51	1.09	1.61	332.17	0.43	71.96	7	Sand & silty sand	Sand like - Dilative
464	6	0.5	1.09	1.61	327.13	0.42	74.02	7	Sand & silty sand	Sand like - Dilative
465	6	0.49	1.09	1.57	327.05	0.4	81.13	7	Sand & silty sand	Sand like - Dilative
466	6	0.47	1.08	1.52	332.9	0.38	91.15	7	Sand & silty sand	Sand like - Dilative
467	6	0.46	1.08	1.48	351.61	0.39	97.36	7	Sand & silty sand	Sand like - Dilative
468	6	0.45	1.08	1.46	373.19	0.4	98.6	7	Sand & silty sand	Sand like - Dilative
469	6	0.45	1.07	1.45	401.61	0.44	97.04	7	Sand & silty sand	Sand like - Dilative
470	6	0.46	1.08	1.48	414.39	0.27	88.79	7	Sand & silty sand	Sand like - Dilative
471	6	0.47	1.08	1.5	431.96	0.16	82.82	7	Sand & silty sand	Sand like - Dilative
472	6	0.47	1.08	1.52	447.38	0.01	78.05	7	Sand & silty sand	Sand like - Dilative
473	6	0.48	1.08	1.55	461.1	0.07	72.39	7	Sand & silty sand	Sand like - Dilative
474	6	0.5	1.08	1.59	459.57	0.08	65.26	7	Sand & silty sand	Sand like - Dilative
475	6	0.52	1.08	1.64	445.5	0.03	58.21	7	Sand & silty sand	Sand like - Dilative
476	6	0.53	1.08	1.68	432.87	-0.06	54.23	7	Sand & silty sand	Sand like - Dilative
477	6	0.55	1.08	1.71	412.53	-0.2	51.19	7	Sand & silty sand	Sand like - Dilative
478	6	0.56	1.08	1.74	386.49	-0.26	48.7	7	Sand & silty sand	Sand like - Dilative
479	6	0.57	1.08	1.77	358.91	-0.29	46.9	7	Sand & silty sand	Sand like - Dilative
480	6	0.58	1.08	1.8	336.63	-0.32	45.33	7	Sand & silty sand	Sand like - Dilative
481	6	0.59	1.08	1.82	317.52	-0.38	44.36	7	Sand & silty sand	Sand like - Dilative
482	6	0.6	1.08	1.84	299.44	-0.4	43.5	7	Sand & silty sand	Sand like - Dilative
483	6	0.6	1.08	1.85	288.78	-0.35	43.63	7	Sand & silty sand	Sand like - Dilative
484	6	0.6	1.08	1.85	283.75	-0.26	43.9	7	Sand & silty sand	Sand like - Dilative
485	6	0.6	1.08	1.84	285	-0.14	44.44	7	Sand & silty sand	Sand like - Dilative
486	6	0.6	1.08	1.84	286.34	-0.1	44.55	7	Sand & silty sand	Sand like - Dilative
487	6	0.6	1.08	1.85	287.61	-0.07	44.04	7	Sand & silty sand	Sand like - Dilative
488	6	0.6	1.08	1.85	287.67	-0.11	43.08	7	Sand & silty sand	Sand like - Dilative
489	6	0.6	1.08	1.86	287.46	-0.1	42.44	7	Sand & silty sand	Sand like - Dilative
490	6	0.6	1.07	1.86	285.34	-0.11	42.71	7	Sand & silty sand	Sand like - Dilative
491	6	0.6	1.07	1.85	281.52	-0.07	43.91	7	Sand & silty sand	Sand like - Dilative
492	6	0.59	1.07	1.83	279.18	-0.13	46.05	7	Sand & silty sand	Sand like - Dilative
493	6	0.59	1.07	1.82	276.21	-0.17	48.22	7	Sand & silty sand	Sand like - Dilative
494	6	0.58	1.07	1.79	276.86	-0.23	50.85	7	Sand & silty sand	Sand like - Dilative

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
495	6	0.57	1.06	1.78	277.75	-0.19	53.24	7	Sand & silty sand	Sand like - Dilative
496	6	0.56	1.06	1.75	284.23	-0.19	55.45	7	Sand & silty sand	Sand like - Dilative
497	6	0.56	1.06	1.74	293.02	-0.17	56.79	7	Sand & silty sand	Sand like - Dilative
498	6	0.55	1.06	1.73	302.03	-0.19	57.16	7	Sand & silty sand	Sand like - Dilative
499	6	0.55	1.06	1.73	306.57	-0.17	57.17	7	Sand & silty sand	Sand like - Dilative
500	6	0.56	1.06	1.74	300.1	-0.2	56.12	7	Sand & silty sand	Sand like - Dilative
501	6	0.56	1.05	1.73	298.9	-0.22	56.8	7	Sand & silty sand	Sand like - Dilative
502	6	0.55	1.05	1.73	296.74	-0.26	58.2	7	Sand & silty sand	Sand like - Dilative
503	6	0.54	1.05	1.7	304.11	-0.28	61.06	7	Sand & silty sand	Sand like - Dilative
504	6	0.54	1.05	1.69	305.52	-0.27	62.31	7	Sand & silty sand	Sand like - Dilative
505	6	0.54	1.05	1.68	312.35	-0.27	63.62	7	Sand & silty sand	Sand like - Dilative
506	6	0.53	1.05	1.67	319.82	-0.27	64.32	7	Sand & silty sand	Sand like - Dilative
507	6	0.54	1.05	1.69	314.12	-0.28	61.25	7	Sand & silty sand	Sand like - Dilative
508	6	0.55	1.05	1.71	310.25	-0.28	58.82	7	Sand & silty sand	Sand like - Dilative
509	6	0.56	1.05	1.73	302.64	-0.29	56.32	7	Sand & silty sand	Sand like - Dilative
510	6	0.56	1.04	1.73	304.01	-0.32	56.59	7	Sand & silty sand	Sand like - Dilative
511	6	0.56	1.04	1.73	300.88	-0.31	56.67	7	Sand & silty sand	Sand like - Dilative
512	6	0.56	1.04	1.74	297.12	-0.34	56.19	7	Sand & silty sand	Sand like - Dilative
513	6	0.55	1.04	1.73	301.94	-0.36	57.67	7	Sand & silty sand	Sand like - Dilative
514	6	0.56	1.04	1.73	300.47	-0.39	56.86	7	Sand & silty sand	Sand like - Dilative
515	6	0.56	1.04	1.75	293.84	-0.42	55.43	7	Sand & silty sand	Sand like - Dilative
516	6	0.57	1.04	1.78	282.51	-0.4	52.43	7	Sand & silty sand	Sand like - Dilative
517	6	0.58	1.04	1.79	280.14	-0.44	50.74	7	Sand & silty sand	Sand like - Dilative
518	6	0.58	1.04	1.79	280.63	-0.42	50.74	7	Sand & silty sand	Sand like - Dilative
519	6	0.58	1.03	1.79	277.16	-0.43	51.54	7	Sand & silty sand	Sand like - Dilative
520	6	0.57	1.03	1.77	271.6	-0.33	54.01	7	Sand & silty sand	Sand like - Dilative
521	6	0.58	1.03	1.79	260.68	-0.3	53.77	7	Sand & silty sand	Sand like - Dilative
522	6	0.58	1.03	1.8	253.67	-0.29	52.9	7	Sand & silty sand	Sand like - Dilative
523	6	0.61	1.03	1.87	231.48	-0.32	46.42	7	Sand & silty sand	Sand like - Dilative
524	6	0.64	1.03	1.94	215.63	-0.3	40.48	7	Sand & silty sand	Sand like - Dilative
525	5	0.67	1.03	2.02	198.68	-0.26	35.01	7	Silty sand & sandy silt	Sand like - Dilative
526	5	0.67	1.03	2.03	199.66	-0.24	34.17	7	Silty sand & sandy silt	Sand like - Dilative
527	5	0.66	1.03	2	200.2	-0.16	36.32	7	Silty sand & sandy silt	Sand like - Dilative
528	5	0.65	1.03	1.98	199.13	-0.07	38.82	7	Silty sand & sandy silt	Sand like - Dilative
529	6	0.64	1.03	1.96	197.8	0.08	40.57	7	Sand & silty sand	Sand like - Dilative
530	6	0.64	1.02	1.94	203.77	0.13	41.67	7	Sand & silty sand	Sand like - Dilative
531	6	0.62	1.02	1.91	216.38	0.15	44.17	7	Sand & silty sand	Sand like - Dilative
532	6	0.6	1.02	1.85	234.19	0.12	48.87	7	Sand & silty sand	Sand like - Dilative

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CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
533	6	0.58	1.02	1.79	253.48	0.09	54.23	7	Sand & silty sand	Sand like - Dilative
534	6	0.56	1.02	1.74	271.48	0.09	59.38	7	Sand & silty sand	Sand like - Dilative
535	6	0.54	1.02	1.69	285.48	0.06	64	7	Sand & silty sand	Sand like - Dilative
536	6	0.53	1.01	1.66	295.02	0.11	67.9	7	Sand & silty sand	Sand like - Dilative
537	6	0.53	1.01	1.65	301.71	0.15	68.77	7	Sand & silty sand	Sand like - Dilative
538	6	0.53	1.01	1.66	305.89	0.19	67.92	7	Sand & silty sand	Sand like - Dilative
539	6	0.54	1.01	1.67	304.33	0.18	65.38	7	Sand & silty sand	Sand like - Dilative
540	6	0.54	1.01	1.68	301.02	0.11	64.32	7	Sand & silty sand	Sand like - Dilative
541	6	0.54	1.01	1.69	298.7	0.05	62.53	7	Sand & silty sand	Sand like - Dilative
542	6	0.55	1.01	1.7	300.85	0.01	61.1	7	Sand & silty sand	Sand like - Dilative
543	6	0.55	1.01	1.72	301.43	0.04	58.67	7	Sand & silty sand	Sand like - Dilative
544	6	0.5	1.01	1.59	299.73	0.02	81.02	7	Sand & silty sand	Sand like - Dilative
545	6	0.42	1	1.38	298.37	0.1	133.94	7	Sand & silty sand	Sand like - Dilative
546	0	1	1.01	0	298.56	0.08	440.8	0	N/A	N/A
547	0	1	1.01	0	296.71	0.09	438.15	0	N/A	N/A
548	0	1	1.01	0	291.78	-0.03	431.11	0	N/A	N/A
549	0	1	1	0	290.09	-0.11	428.7	0	N/A	N/A
550	0	1	1	0	288.22	-0.17	426.03	0	N/A	N/A

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
1	0.09	0.45	0.01	5	6.34E-06	1.06E-03	0	5.21	32	33	7.51	9.57	0	0	0	0
2	0.13	1.09	0	5	2.86E-06	1.14E-03	0	12.47	39	37	11.87	15.12	0	0	0	0
3	0.23	1.18	0.04	4	1.11E-06	5.92E-04	0	16.6	0	0	0	23.87	14	0.08	12.64	0
4	0.28	1.36	0.08	9	3.83E-07	2.14E-04	0	17.42	0	0	0	30.4	14	0.09	10.93	0
5	0.34	1.27	0.12	9	1.48E-07	8.00E-05	1	16.92	0	0	0	35.09	14	0.09	8.66	0
6	0.42	1.09	0.15	9	3.35E-08	1.45E-05	0	13.5	0	0	0	36.62	14	0.07	5.59	0
7	0.47	0.64	0.21	9	2.31E-08	1.15E-05	1	15.54	0	0	0	45.06	14	0.08	5.82	0
8	0.53	1.72	0.35	6	5.69E-05	2.60E-01	4	142.68	73	43	138.34	176.27	0	0	0	0
9	0.61	51.28	0.35	6	4.18E-04	3.84E+00	8	286.69	87	43	228.74	291.45	0	0	0	0
10	0.71	74.06	0.52	6	1.33E-03	1.65E+01	13	385.46	95	45	307.55	391.87	0	0	0	0
11	0.72	85.31	0.56	6	1.54E-03	2.17E+01	14	439.79	100	46	350.89	447.1	0	0	0	0
12	0.81	87.22	0.65	6	1.43E-03	2.20E+01	16	480.61	100	46	383.46	488.6	0	0	0	0
13	0.88	93.39	0.8	6	1.30E-03	2.21E+01	17	529.74	100	46	422.66	538.55	0	0	0	0
14	0.93	107.64	0.9	6	1.40E-03	2.69E+01	20	599.05	100	47	477.97	609.02	0	0	0	0
15	0.99	129.24	1.13	6	2.15E-03	4.73E+01	23	687.89	100	48	548.85	699.33	0	0	0	0
16	1.09	172.71	1.16	7	3.22E-03	7.91E+01	27	768.1	100	48	612.84	780.87	0	0	0	0
17	1.13	190.04	1.14	7	5.18E-03	1.40E+02	31	846.28	100	49	675.22	860.36	0	0	0	0
18	1.18	228.07	1.3	7	6.29E-03	1.86E+02	34	923.31	100	49	736.69	938.67	0	0	0	0
19	1.29	249.58	1.55	7	6.38E-03	2.06E+02	38	1008.13	100	50	804.36	1024.9	0	0	0	0
20	1.32	253.21	1.67	7	5.48E-03	1.92E+02	40	1093.91	100	50	872.8	1112.1	0	0	0	0
21	1.38	268.73	2.07	7	4.63E-03	1.74E+02	43	1173.88	100	51	936.61	1193.41	0	0	0	0
22	1.47	280.98	2.32	7	4.15E-03	1.66E+02	45	1249.97	100	51	997.32	1270.76	0	0	0	0
23	1.52	288.51	2.34	7	3.99E-03	1.64E+02	46	1283.49	100	51	1024.06	1304.84	0	0	0	0
24	1.59	285.06	2.36	7	3.68E-03	1.52E+02	46	1289.09	100	51	1028.53	1310.53	0	0	0	0
25	1.67	272.18	2.41	7	2.97E-03	1.21E+02	44	1273.69	100	51	1016.24	1294.88	0	0	0	0
26	1.71	246.85	2.43	6	2.26E-03	9.01E+01	42	1244.38	100	50	992.85	1265.07	0	0	0	0
27	1.8	228.79	2.43	6	1.75E-03	6.80E+01	40	1212.75	100	50	967.62	1232.93	0	0	0	0
28	1.85	220.26	2.4	6	1.55E-03	5.87E+01	39	1181.41	100	50	942.62	1201.06	0	0	0	0
29	1.91	214.18	2.26	6	1.54E-03	5.62E+01	38	1143.04	100	50	912	1162.05	0	0	0	0
30	1.98	206.01	2.06	6	1.45E-03	5.11E+01	36	1099.25	100	49	877.06	1117.54	0	0	0	0
31	2.05	189.5	2.02	6	1.23E-03	4.13E+01	34	1047.22	100	49	835.55	1064.63	0	0	0	0
32	2.14	168.26	1.93	6	9.92E-04	3.21E+01	32	1008.9	100	48	804.97	1025.68	0	0	0	0
33	2.18	164.72	1.89	6	9.07E-04	2.83E+01	31	975.19	100	48	778.08	991.41	0	0	0	0
34	2.24	163.9	1.79	6	9.54E-04	2.94E+01	30	961.13	100	48	766.86	977.11	0	0	0	0
35	2.3	165.54	1.71	6	1.03E-03	3.09E+01	30	942.14	100	48	751.71	957.81	0	0	0	0
36	2.38	161.36	1.61	6	1.08E-03	3.19E+01	29	922.44	100	47	735.99	937.79	0	0	0	0
37	2.44	158.19	1.52	6	1.13E-03	3.21E+01	28	889.79	100	47	709.94	904.59	0	0	0	0
38	2.52	152.11	1.37	6	1.17E-03	3.21E+01	28	861.03	100	47	686.99	875.35	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
39	2.58	148.84	1.3	6	1.26E-03	3.32E+01	27	825.27	100	46	658.46	839	0	0	0	0
40	2.67	145.12	1.14	6	1.32E-03	3.39E+01	26	801.69	100	46	639.64	815.02	0	0	0	0
41	2.72	143.3	1.1	6	1.35E-03	3.40E+01	26	784.05	100	46	625.57	797.09	0	0	0	0
42	2.77	141.12	1.1	6	1.31E-03	3.24E+01	25	770.83	100	46	615.02	783.65	0	0	0	0
43	2.82	135.5	1.05	6	1.27E-03	3.04E+01	24	746.84	100	45	595.88	759.26	0	0	0	0
44	2.91	128.06	0.92	6	1.22E-03	2.80E+01	23	717.77	98	45	572.69	729.71	0	0	0	0
45	2.95	122.43	0.88	6	1.10E-03	2.39E+01	22	675.48	94	45	538.95	686.71	0	0	0	0
46	3.06	106.27	0.78	6	9.45E-04	1.93E+01	20	637.16	91	44	508.37	647.75	0	0	0	0
47	3.1	98.56	0.7	6	8.13E-04	1.54E+01	18	592.55	87	43	472.78	602.41	0	0	0	0
48	3.15	91.39	0.63	6	6.90E-04	1.22E+01	17	550.5	83	43	439.23	559.65	0	0	0	0
49	3.25	77.23	0.55	6	5.66E-04	9.33E+00	16	514.4	79	42	410.43	522.96	0	0	0	0
50	3.3	72.33	0.51	6	4.49E-04	6.80E+00	14	472.38	75	42	376.9	480.24	0	0	0	0
51	3.38	62.71	0.43	6	3.71E-04	5.17E+00	13	435.41	72	41	347.4	442.65	0	0	0	0
52	3.45	54	0.36	6	3.05E-04	3.88E+00	11	397.78	68	40	317.38	404.39	0	0	0	0
53	3.49	50.01	0.33	6	2.50E-04	2.94E+00	10	366.92	65	39	292.76	373.02	0	0	0	0
54	3.58	44.47	0.29	6	2.13E-04	2.38E+00	10	347.95	62	39	277.62	353.73	0	0	0	0
55	3.63	42.38	0.27	6	1.85E-04	1.97E+00	9	331.13	60	39	264.2	336.64	0	0	0	0
56	3.68	40.2	0.26	6	1.62E-04	1.64E+00	9	315.86	59	38	253.51	323.01	0	0	0	0
57	3.75	36.39	0.24	6	1.38E-04	1.29E+00	8	290.89	57	38	240.25	306.13	0	0	0	0
58	3.83	33.03	0.21	6	1.03E-04	8.53E-01	7	257.91	54	38	224.52	286.07	0	0	0	0
59	3.88	27.86	0.2	6	7.52E-05	5.49E-01	7	227.83	52	38	210.01	267.59	0	0	0	0
60	3.97	25.14	0.19	6	5.26E-05	3.43E-01	6	203.56	49	37	200.21	255.1	0	0	0	0
61	4.02	23.96	0.19	6	3.95E-05	2.35E-01	6	186.11	48	37	192.77	245.62	0	0	0	0
62	4.09	21.33	0.19	6	2.80E-05	1.51E-01	5	168.62	46	37	185.86	236.82	0	0	0	0
63	4.16	18.6	0.19	6	1.89E-05	9.12E-02	5	150.44	45	36	178.02	226.82	0	0	0	0
64	4.21	17.15	0.19	5	1.12E-05	4.68E-02	5	130.58	43	36	169.91	216.5	0	0	0	0
65	4.3	13.89	0.21	5	6.58E-06	2.45E-02	4	116.22	41	36	166.48	212.13	0	0	0	0
66	4.35	13.25	0.24	5	3.79E-06	2.20E-02	4	180.86	40	37	163.55	208.39	0	0	0	0
67	4.4	12.34	0.25	5	2.62E-06	1.40E-02	4	167.22	39	37	161.7	206.04	0	0	0	0
68	4.46	10.98	0.25	5	1.77E-06	8.55E-03	4	151.1	38	38	156.91	199.93	0	0	0	0
69	4.54	9.8	0.25	5	1.31E-06	5.82E-03	3	138.79	37	38	152.15	193.86	0	0	0	0
70	4.62	9.71	0.24	5	1.45E-06	6.60E-03	4	142.52	37	38	153.45	195.52	0	0	0	0
71	4.69	11.8	0.24	5	2.67E-06	1.45E-02	4	168.78	38	37	162.6	207.18	0	0	0	0
72	4.73	15.43	0.22	5	9.34E-06	4.06E-02	5	135.65	42	36	182.38	232.39	0	0	0	0
73	4.81	24.41	0.2	6	2.69E-05	1.55E-01	6	179.95	46	37	199.78	254.56	0	0	0	0
74	4.87	28.41	0.18	6	3.82E-05	2.35E-01	6	192.51	46	36	200.64	255.65	0	0	0	0
75	4.92	20.15	0.16	6	2.26E-05	1.14E-01	5	157.6	43	36	180.6	230.12	0	0	0	0
76	5	11.34	0.15	5	6.66E-06	2.25E-02	4	105.47	37	35	150.74	192.07	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
77	5.07	8.89	0.13	5	1.89E-06	7.47E-03	3	123.45	33	35	126.65	161.38	0	0	0	0
78	5.13	7.08	0.13	5	7.64E-07	2.28E-03	2	93.3	30	36	112.74	143.66	0	0	0	0
79	5.2	4.9	0.13	4	2.38E-07	5.06E-04	2	66.22	0	0	0	125.89	14	0.34	2.22	0
80	5.26	3.09	0.13	3	5.60E-08	7.84E-05	2	43.71	0	0	0	107.97	14	0.22	1.45	0
81	5.34	2.27	0.13	3	1.36E-08	1.25E-05	1	28.82	0	0	0	94.79	14	0.15	0.97	0
82	5.4	1.91	0.12	3	4.91E-09	2.72E-06	1	17.32	0	0	0	88.89	14	0.12	0.75	0
83	5.45	1.72	0.11	2	2.04E-09	5.61E-07	1	8.56	0	0	0	81.29	14	0.08	0.52	0
84	5.54	0.82	0.11	2	1.22E-09	2.05E-07	1	5.22	0	0	0	78.66	14	0.07	0.41	0
85	5.6	1.18	0.13	2	5.55E-10	4.56E-08	1	2.57	0	0	0	76.13	14	0.05	0.28	0
86	5.67	0.91	0.16	2	6.48E-10	6.71E-08	1	3.23	0	0	0	80.71	14	0.05	0.32	0
87	5.74	1.09	0.14	2	0.00E+00	0.00E+00	1	0.67	0	0	0	52.37	14	0.02	0.14	0
88	5.79	0	0.13	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
89	5.88	-0.54	0.12	2	0.00E+00	0.00E+00	0	0.69	0	0	0	22.26	14	0.01	0.06	0
90	5.93	2	0.1	2	0.00E+00	0.00E+00	1	0.69	0	0	0	48.5	14	0.02	0.13	0
91	5.98	0.54	0.1	2	3.93E-10	2.08E-08	1	1.65	0	0	0	72.36	14	0.04	0.22	0
92	6.08	0.18	0.17	2	0.00E+00	0.00E+00	0	0.71	0	0	0	2.11	14	0	0.01	0
93	6.11	0.45	0.14	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
94	6.17	0.18	0.13	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
95	6.26	0.18	0.27	2	8.55E-10	1.90E-07	1	6.95	0	0	0	111.36	14	0.08	0.44	0
96	6.31	4.17	0.32	3	4.07E-08	9.17E-05	3	70.37	0	0	0	184.2	14	0.36	1.94	0
97	6.4	11.89	0.46	4	4.00E-07	1.92E-03	4	149.52	0	0	0	258.8	14	0.76	4.07	0
98	6.44	17.15	0.52	4	1.12E-06	7.84E-03	6	218.94	0	0	0	314.65	14	1.12	5.93	0
99	6.51	19.06	0.58	4	9.82E-07	7.04E-03	6	223.61	0	0	0	329.02	14	1.14	6	0
100	6.6	12.89	0.63	4	5.80E-07	3.74E-03	5	201.57	0	0	0	326.28	14	1.03	5.33	0
101	6.64	12.43	0.65	4	2.69E-07	1.43E-03	5	165.57	0	0	0	307.96	14	0.84	4.35	0
102	6.7	11.34	0.63	4	2.31E-07	1.15E-03	5	156.14	0	0	0	298.59	14	0.8	4.06	0
103	6.79	10.89	0.56	3	2.10E-07	9.99E-04	4	148.28	0	0	0	288.35	14	0.76	3.81	0
104	6.84	10.8	0.54	3	1.86E-07	8.36E-04	4	140.04	0	0	0	278.33	14	0.71	3.57	0
105	6.89	9.62	0.54	3	1.44E-07	6.01E-04	4	130.13	0	0	0	270.89	14	0.66	3.29	0
106	6.98	8.8	0.55	3	1.21E-07	4.82E-04	4	124.81	0	0	0	268.41	14	0.64	3.12	0
107	7.04	9.67	0.55	3	8.75E-08	3.21E-04	4	114.33	0	0	0	260.52	14	0.58	2.83	0
108	7.09	7.35	0.53	3	1.07E-07	4.05E-04	4	118.73	0	0	0	261.09	14	0.61	2.92	0
109	7.17	9.71	0.48	3	1.51E-07	6.18E-04	4	127.85	0	0	0	264.04	14	0.65	3.11	0
110	7.22	11.62	0.46	4	3.39E-07	1.68E-03	4	154.46	0	0	0	275.51	14	0.79	3.73	0
111	7.3	13.07	0.43	4	4.93E-07	2.67E-03	5	168.75	0	0	0	281.22	14	0.86	4.03	0
112	7.36	12.8	0.43	4	4.90E-07	2.64E-03	5	168.25	0	0	0	280.71	14	0.86	3.99	0
113	7.42	11.53	0.45	4	3.18E-07	1.56E-03	4	152.94	0	0	0	275.99	14	0.78	3.59	0
114	7.48	9.8	0.48	3	1.69E-07	7.27E-04	4	134.24	0	0	0	271.53	14	0.68	3.13	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
115	7.56	8.8	0.54	3	1.04E-07	4.14E-04	4	124.07	0	0	0	273.92	14	0.63	2.86	0
116	7.65	9.35	0.6	3	9.25E-08	3.74E-04	4	126.16	0	0	0	284.64	14	0.64	2.88	0
117	7.68	10.26	0.63	3	1.40E-07	6.52E-04	5	145.66	0	0	0	305	14	0.74	3.31	0
118	7.75	12.98	0.65	4	2.98E-07	1.71E-03	5	179.07	0	0	0	326.97	14	0.91	4.03	0
119	7.85	16.52	0.59	4	6.52E-07	4.62E-03	6	220.95	0	0	0	350.07	14	1.13	4.91	0
120	7.88	19.24	0.6	4	9.86E-07	7.75E-03	6	245.45	0	0	0	360.89	14	1.25	5.43	0
121	7.95	18.24	0.61	5	1.47E-06	1.30E-02	7	275.76	41	39	295.87	376.99	0	0	0	0
122	8.03	23.05	0.6	5	2.57E-06	2.70E-02	8	328.91	44	39	319.26	406.79	0	0	0	0
123	8.09	30.68	0.67	5	3.79E-06	4.70E-02	9	387.57	47	39	350.59	446.71	0	0	0	0
124	8.14	30.86	0.83	5	4.81E-06	6.89E-02	10	446.67	50	40	386.88	492.96	0	0	0	0
125	8.21	35.76	0.93	5	5.26E-06	8.09E-02	10	480.39	51	40	409.5	521.78	0	0	0	0
126	8.28	37.94	0.9	5	6.71E-06	6.48E-02	11	301.55	53	40	430.43	548.45	0	0	0	0
127	8.38	41.02	0.96	5	5.53E-06	8.96E-02	11	505.97	52	40	427.37	544.55	0	0	0	0
128	8.42	31.13	0.96	5	3.30E-06	4.69E-02	10	444.11	50	40	411.94	524.88	0	0	0	0
129	8.47	24.69	0.94	4	1.21E-06	1.29E-02	8	333.59	0	0	0	472.53	14	1.7	6.87	0
130	8.54	17.33	0.87	4	6.26E-07	5.36E-03	7	267.13	0	0	0	426.43	14	1.36	5.45	0
131	8.62	16.88	0.73	4	4.10E-07	2.95E-03	6	224.36	0	0	0	386.65	14	1.14	4.54	0
132	8.67	15.52	0.65	4	4.03E-07	2.70E-03	6	208.74	0	0	0	360.82	14	1.06	4.2	0
133	8.73	13.98	0.58	4	4.36E-07	2.81E-03	6	201.14	0	0	0	342.8	14	1.03	4.02	0
134	8.8	15.25	0.5	4	4.39E-07	2.70E-03	5	192.21	0	0	0	327.14	14	0.98	3.81	0
135	8.9	13.61	0.48	4	5.02E-07	3.16E-03	5	196.79	0	0	0	326.94	14	1	3.86	0
136	8.94	14.97	0.53	4	4.66E-07	3.01E-03	6	201.89	0	0	0	339.97	14	1.03	3.94	0
137	9	16.34	0.65	4	5.55E-07	4.03E-03	6	226.4	0	0	0	369.29	14	1.16	4.39	0
138	9.09	18.88	0.71	4	6.22E-07	5.08E-03	7	255.11	0	0	0	407.76	14	1.3	4.89	0
139	9.14	21.15	0.87	4	5.94E-07	5.29E-03	7	277.89	0	0	0	447.79	14	1.42	5.3	0
140	9.19	21.24	1.1	4	4.75E-07	4.20E-03	8	276.08	0	0	0	463.3	14	1.41	5.24	0
141	9.26	18.51	0.98	4	3.15E-07	2.53E-03	7	250.96	0	0	0	453.67	14	1.28	4.73	0
142	9.33	15.79	0.94	5	1.68E-06	2.03E-02	9	377.54	45	40	395.56	504.01	0	0	0	0
143	9.39	48.37	0.86	5	1.39E-05	1.63E-01	13	365.79	55	39	457.54	582.99	0	0	0	0
144	9.48	74.78	0.77	6	4.76E-05	7.70E-01	15	504.93	61	40	505.6	644.23	0	0	0	0
145	9.52	67.98	0.89	6	7.03E-05	1.35E+00	18	599.72	66	41	559.62	713.06	0	0	0	0
146	9.6	83.95	1.21	6	9.41E-05	2.04E+00	19	677.8	69	41	599.97	764.47	0	0	0	0
147	9.69	104.1	1.01	6	1.58E-04	4.07E+00	22	801.08	73	42	645.31	822.25	0	0	0	0
148	9.74	114.26	1.04	6	2.50E-04	6.69E+00	24	835.98	76	42	667.01	849.88	0	0	0	0
149	9.79	120.7	1.16	6	2.52E-04	6.89E+00	24	852.68	77	42	680.33	866.87	0	0	0	0
150	9.85	111.54	1.13	6	1.89E-04	5.14E+00	23	850.99	76	42	678.98	865.15	0	0	0	0
151	9.93	95.93	1.18	6	1.32E-04	3.38E+00	22	801.86	73	42	668.09	851.27	0	0	0	0
152	9.98	95.2	1.24	6	8.00E-05	1.87E+00	21	731.19	71	42	666.54	849.29	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
153	10.08	85.04	1.39	6	5.40E-05	1.16E+00	20	672.11	69	42	657.96	838.36	0	0	0	0
154	10.11	73.78	1.32	6	3.20E-05	6.06E-01	19	591.24	66	41	636.16	810.58	0	0	0	0
155	10.22	64.89	1.32	5	2.21E-05	3.76E-01	17	531.91	63	41	612.06	779.88	0	0	0	0
156	10.27	62.8	1.32	5	1.73E-05	2.76E-01	17	498.23	62	41	599.17	763.45	0	0	0	0
157	10.32	61.17	1.3	5	1.47E-05	2.21E-01	16	471.62	60	41	584.48	744.73	0	0	0	0
158	10.41	54.91	1.23	5	1.29E-05	1.85E-01	16	448.12	59	40	568.57	724.46	0	0	0	0
159	10.46	54	1.18	5	1.07E-05	1.44E-01	15	419.11	57	40	549.49	700.15	0	0	0	0
160	10.51	50.28	1.16	5	8.82E-06	1.10E-01	14	390.08	55	40	529.95	675.25	0	0	0	0
161	10.6	44.02	1.09	5	7.21E-06	8.44E-02	13	365.1	54	40	514.36	655.38	0	0	0	0
162	10.64	44.65	1.08	5	5.90E-06	1.14E-01	13	601.97	52	40	502.5	640.27	0	0	0	0
163	10.73	42.38	1.11	5	5.46E-06	1.03E-01	13	587.85	52	40	497.79	634.27	0	0	0	0
164	10.78	41.02	1.05	5	6.23E-06	7.12E-02	13	356.46	53	40	515.65	657.03	0	0	0	0
165	10.84	52.37	1.22	5	5.27E-06	1.03E-01	13	611.07	53	40	520.68	663.44	0	0	0	0
166	10.9	39.66	1.26	5	3.50E-06	6.34E-02	13	565.23	51	40	518.54	660.72	0	0	0	0
167	10.98	31.22	1.25	4	1.42E-06	2.04E-02	11	446.97	0	0	0	615.11	14	2.28	7.1	0
168	11.03	27.04	1.22	4	1.63E-06	2.41E-02	11	461.39	0	0	0	619.19	14	2.35	7.3	0
169	11.13	42.75	1.21	5	4.23E-06	8.02E-02	13	591.89	52	40	524.77	668.65	0	0	0	0
170	11.18	59.17	1.21	5	1.09E-05	1.52E-01	15	433.09	57	40	565.86	721.01	0	0	0	0
171	11.22	62.62	1.19	5	1.99E-05	3.17E-01	17	497.41	60	40	583.32	743.25	0	0	0	0
172	11.32	66.89	1.07	6	2.52E-05	4.17E-01	17	517.69	60	40	581.8	741.32	0	0	0	0
173	11.36	66.8	1.05	6	3.69E-05	6.52E-01	17	551.82	61	40	578.66	737.32	0	0	0	0
174	11.42	75.42	0.96	6	4.84E-05	8.68E-01	17	560.52	61	40	559.69	713.14	0	0	0	0
175	11.51	70.15	0.74	6	6.46E-05	1.17E+00	17	563.35	61	40	533.84	680.21	0	0	0	0
176	11.56	67.88	0.67	6	8.24E-05	1.46E+00	16	554.84	60	39	503.09	641.02	0	0	0	0
177	11.66	72.24	0.58	6	1.02E-04	1.84E+00	16	561.56	59	39	489.85	624.16	0	0	0	0
178	11.7	72.69	0.55	6	1.32E-04	2.44E+00	16	576.53	60	39	479.96	611.56	0	0	0	0
179	11.75	73.51	0.5	6	1.52E-04	2.84E+00	16	585.44	60	39	475.36	605.7	0	0	0	0
180	11.85	75.6	0.5	6	1.59E-04	3.01E+00	16	591.22	60	39	475.89	606.37	0	0	0	0
181	11.9	74.87	0.53	6	1.62E-04	3.10E+00	16	598.69	60	39	480.48	612.22	0	0	0	0
182	11.94	76.33	0.52	6	1.60E-04	3.04E+00	16	593.09	60	39	477.04	607.83	0	0	0	0
183	12.03	73.42	0.48	6	1.53E-04	2.89E+00	16	591.78	60	39	480.02	611.63	0	0	0	0
184	12.09	74.33	0.56	6	1.22E-04	2.27E+00	16	579.83	60	39	489.64	623.89	0	0	0	0
185	12.16	71.79	0.66	6	9.09E-05	1.66E+00	16	570.42	59	39	508.14	647.47	0	0	0	0
186	12.23	69.88	0.71	6	7.26E-05	1.30E+00	17	559.54	59	39	519.14	661.48	0	0	0	0
187	12.28	70.24	0.73	6	7.36E-05	1.34E+00	17	569.48	60	40	527.07	671.59	0	0	0	0
188	12.38	75.51	0.72	6	7.96E-05	1.48E+00	17	578.84	60	40	528.1	672.89	0	0	0	0
189	12.42	73.42	0.68	6	9.29E-05	1.76E+00	17	591.73	60	39	525.05	669.01	0	0	0	0
190	12.47	75.1	0.64	6	9.42E-05	1.76E+00	17	582.75	60	39	515.71	657.11	0	0	0	0

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CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
191	12.57	72.15	0.63	6	1.15E-04	2.15E+00	17	586.06	59	39	500.52	637.75	0	0	0	0
192	12.61	74.69	0.48	6	1.57E-04	3.03E+00	16	600.9	59	39	484.7	617.59	0	0	0	0
193	12.69	80.68	0.42	6	2.47E-04	4.66E+00	17	587.7	60	38	468.91	597.47	0	0	0	0
194	12.76	83.4	0.39	6	3.23E-04	6.04E+00	17	583.83	61	39	465.82	593.54	0	0	0	0
195	12.8	84.77	0.39	6	3.69E-04	6.93E+00	17	586.34	61	39	467.83	596.1	0	0	0	0
196	12.9	87.76	0.39	6	3.66E-04	6.91E+00	17	589.82	61	39	470.6	599.63	0	0	0	0
197	12.95	84.49	0.4	6	3.69E-04	7.04E+00	17	595.61	62	39	475.22	605.52	0	0	0	0
198	12.99	87.71	0.41	6	3.46E-04	6.64E+00	17	600.09	62	39	478.8	610.07	0	0	0	0
199	13.06	86.58	0.43	6	3.21E-04	6.33E+00	18	615.66	62	39	491.22	625.9	0	0	0	0
200	13.14	87.67	0.5	6	2.78E-04	5.63E+00	18	631.99	62	39	504.25	642.5	0	0	0	0
201	13.19	87.76	0.53	6	2.46E-04	5.11E+00	18	647.94	62	39	516.97	658.72	0	0	0	0
202	13.28	87.4	0.55	6	2.42E-04	5.04E+00	18	649.62	62	39	518.32	660.43	0	0	0	0
203	13.33	87.58	0.5	6	2.50E-04	5.19E+00	18	648.49	62	39	517.41	659.27	0	0	0	0
204	13.43	88.76	0.51	6	2.63E-04	5.46E+00	18	647.66	62	39	516.75	658.43	0	0	0	0
205	13.46	89.58	0.52	6	2.77E-04	5.76E+00	18	648.78	63	39	517.64	659.57	0	0	0	0
206	13.52	90.48	0.49	6	2.77E-04	5.77E+00	19	650.53	63	39	519.04	661.35	0	0	0	0
207	13.62	89.48	0.52	6	2.79E-04	5.81E+00	19	649.13	63	39	517.92	659.92	0	0	0	0
208	13.65	89.44	0.5	6	2.66E-04	5.55E+00	19	652.51	62	39	520.62	663.36	0	0	0	0
209	13.71	89.44	0.52	6	2.64E-04	5.51E+00	19	653.25	62	39	521.21	664.12	0	0	0	0
210	13.81	89.39	0.52	6	2.67E-04	5.63E+00	19	658.8	63	39	525.64	669.76	0	0	0	0
211	13.86	92.3	0.52	6	2.84E-04	6.02E+00	19	662.36	63	39	528.48	673.38	0	0	0	0
212	13.95	93.84	0.52	6	2.92E-04	6.26E+00	19	668.28	63	39	533.2	679.39	0	0	0	0
213	14	93.39	0.54	6	2.76E-04	5.98E+00	19	677.14	63	39	540.27	688.4	0	0	0	0
214	14.05	93.02	0.59	6	1.94E-04	4.46E+00	20	718.1	64	39	572.95	730.04	0	0	0	0
215	14.13	92.39	0.88	6	1.12E-04	2.63E+00	21	734.45	64	40	630.37	803.2	0	0	0	0
216	14.19	92.12	1.23	6	6.56E-05	1.54E+00	22	732.6	65	41	692.3	882.12	0	0	0	0
217	14.24	92.3	1.43	6	4.47E-05	1.05E+00	23	730.93	66	41	740.18	943.12	0	0	0	0
218	14.34	91.75	1.6	6	3.14E-05	7.40E-01	23	735.97	66	41	794.71	1012.61	0	0	0	0
219	14.38	94.02	2.08	6	2.66E-05	6.36E-01	24	747.56	67	42	831.98	1060.09	0	0	0	0
220	14.44	96.65	2.01	6	3.31E-05	8.63E-01	26	813.76	70	42	870.29	1108.9	0	0	0	0
221	14.53	116.62	1.89	6	5.54E-05	1.61E+00	27	905.32	72	42	882.05	1123.89	0	0	0	0
222	14.58	128.42	1.79	6	6.20E-05	1.79E+00	27	900.3	72	42	859.41	1095.04	0	0	0	0
223	14.68	94.84	1.65	6	5.43E-05	1.47E+00	26	843.88	70	42	825.04	1051.25	0	0	0	0
224	14.72	95.52	1.58	6	3.97E-05	9.61E-01	24	756.09	66	41	782.52	997.06	0	0	0	0
225	14.78	95.52	1.52	6	4.17E-05	1.01E+00	24	759.71	66	41	779.31	992.97	0	0	0	0
226	14.87	96.2	1.57	6	5.06E-05	1.25E+00	23	770.69	66	41	763.19	972.44	0	0	0	0
227	14.91	99.65	1.26	6	7.62E-05	1.92E+00	23	785.09	66	41	721.98	919.93	0	0	0	0
228	14.96	100.92	0.84	6	1.42E-04	3.67E+00	22	808.55	66	40	664.56	846.77	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
229	15.06	105	0.71	6	2.33E-04	5.85E+00	22	783.23	66	40	624.92	796.26	0	0	0	0
230	15.11	108.45	0.71	6	2.65E-04	6.62E+00	22	780.3	67	40	622.58	793.28	0	0	0	0
231	15.18	107	0.77	6	2.42E-04	6.19E+00	22	799.3	67	40	637.74	812.6	0	0	0	0
232	15.24	107.36	0.86	6	1.94E-04	5.10E+00	23	822.48	67	40	656.23	836.16	0	0	0	0
233	15.3	104.82	0.95	6	1.55E-04	4.15E+00	23	832.87	67	40	673.3	857.91	0	0	0	0
234	15.37	102.55	1	6	1.32E-04	3.46E+00	23	819.76	66	40	682.61	869.77	0	0	0	0
235	15.44	102.46	1.01	6	1.20E-04	3.13E+00	23	816.09	66	41	691.55	881.16	0	0	0	0
236	15.54	103.46	1.07	6	1.16E-04	3.04E+00	23	819.43	66	41	698.77	890.35	0	0	0	0
237	15.55	103.82	1.07	6	1.13E-04	2.98E+00	23	823.29	66	41	705.2	898.55	0	0	0	0
238	15.62	103.91	1.08	6	1.09E-04	2.88E+00	23	822.53	66	41	708.44	902.67	0	0	0	0
239	15.69	103.19	1.1	6	9.90E-05	2.59E+00	23	816.7	66	41	716.34	912.75	0	0	0	0
240	15.77	101.65	1.19	6	9.00E-05	2.34E+00	23	811.11	66	41	723.81	922.26	0	0	0	0
241	15.82	101.83	1.19	6	8.59E-05	2.23E+00	23	809.85	66	41	728.85	928.69	0	0	0	0
242	15.92	102.73	1.17	6	9.23E-05	2.43E+00	24	823.35	66	41	731.45	932	0	0	0	0
243	15.97	106.73	1.17	6	9.99E-05	2.68E+00	24	837.58	67	41	733.42	934.51	0	0	0	0
244	16.02	107.18	1.16	6	1.10E-04	3.04E+00	25	865.88	68	41	745.61	950.04	0	0	0	0
245	16.11	113.35	1.23	6	1.18E-04	3.41E+00	25	901.15	69	41	765.53	975.43	0	0	0	0
246	16.16	119.98	1.31	6	1.02E-04	2.89E+00	25	887.54	68	41	774.94	987.41	0	0	0	0
247	16.21	102.1	1.33	6	1.18E-04	3.51E+00	26	926.92	70	41	787.48	1003.39	0	0	0	0
248	16.28	128.15	1.26	6	1.70E-04	5.36E+00	27	986.24	71	41	786.9	1002.65	0	0	0	0
249	16.35	143.3	1.09	6	3.08E-04	9.63E+00	28	977.73	74	41	780.1	993.99	0	0	0	0
250	16.42	140.67	0.95	6	3.68E-04	1.19E+01	29	1007.68	76	42	804	1024.44	0	0	0	0
251	16.5	154.65	1.37	6	2.67E-04	9.23E+00	31	1078.51	77	42	860.51	1096.45	0	0	0	0
252	16.56	147.75	1.77	6	2.06E-04	7.66E+00	32	1163.17	78	42	928.06	1182.52	0	0	0	0
253	16.61	153.29	1.77	6	1.81E-04	7.03E+00	33	1213.22	79	42	967.99	1233.4	0	0	0	0
254	16.71	163.36	1.87	6	2.04E-04	8.12E+00	34	1244.54	81	42	992.98	1265.24	0	0	0	0
255	16.75	169.98	1.93	6	1.68E-04	6.74E+00	34	1251.48	80	43	998.53	1272.3	0	0	0	0
256	16.8	139.4	1.96	6	1.02E-04	3.63E+00	32	1116.14	76	43	974.46	1241.63	0	0	0	0
257	16.89	112.08	1.99	6	5.80E-05	1.79E+00	29	964.08	71	42	931.57	1186.99	0	0	0	0
258	16.95	112.99	1.87	6	4.75E-05	1.35E+00	27	890.97	69	42	892.69	1137.45	0	0	0	0
259	17	111.99	1.66	6	7.13E-05	2.02E+00	26	883.98	68	41	822.88	1048.5	0	0	0	0
260	17.09	109.45	0.94	6	1.11E-04	3.03E+00	24	856.4	66	41	736.28	938.15	0	0	0	0
261	17.14	102.64	0.75	6	1.84E-04	4.75E+00	22	806.77	64	39	643.7	820.19	0	0	0	0
262	17.24	98.65	0.63	6	1.86E-04	4.51E+00	21	758.07	62	39	604.84	770.68	0	0	0	0
263	17.28	91.39	0.62	6	1.70E-04	3.98E+00	20	731.61	61	39	583.73	743.78	0	0	0	0
264	17.33	88.03	0.62	6	1.34E-04	2.95E+00	19	688.86	59	39	572.3	729.22	0	0	0	0
265	17.42	81.86	0.62	6	1.10E-04	2.32E+00	19	656.42	58	39	564.45	719.21	0	0	0	0
266	17.47	79.23	0.62	6	9.08E-05	1.82E+00	18	624.95	56	39	556.76	709.41	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
267	17.54	76.23	0.63	6	7.80E-05	1.51E+00	18	605.59	56	39	554.56	706.61	0	0	0	0
268	17.61	74.6	0.65	6	6.65E-05	1.26E+00	18	589.56	55	39	555.67	708.02	0	0	0	0
269	17.67	73.24	0.68	6	5.68E-05	1.05E+00	17	577.21	55	38	559.83	713.32	0	0	0	0
270	17.76	71.61	0.71	6	4.92E-05	8.92E-01	17	565.78	54	38	563.16	717.57	0	0	0	0
271	17.81	70.34	0.72	6	4.38E-05	7.81E-01	17	556.33	54	38	565.49	720.53	0	0	0	0
272	17.86	69.7	0.73	6	4.05E-05	7.14E-01	17	549.79	53	38	566.84	722.25	0	0	0	0
273	17.91	69.16	0.74	6	3.87E-05	6.77E-01	17	545.65	53	38	567.13	722.62	0	0	0	0
274	17.99	68.79	0.73	6	3.86E-05	6.71E-01	17	542.72	53	38	564.45	719.21	0	0	0	0
275	18.05	68.61	0.7	6	3.93E-05	6.78E-01	17	538.07	53	38	557.75	710.67	0	0	0	0
276	18.12	67.43	0.67	6	3.97E-05	6.76E-01	17	531.03	52	38	549.43	700.08	0	0	0	0
277	18.19	66.16	0.65	6	3.84E-05	6.43E-01	16	522.27	52	38	543.62	692.67	0	0	0	0
278	18.29	65.34	0.66	6	3.61E-05	5.95E-01	16	514.96	51	38	542.16	690.81	0	0	0	0
279	18.34	64.71	0.67	6	3.44E-05	5.63E-01	16	510.1	51	38	541.6	690.09	0	0	0	0
280	18.38	64.35	0.66	6	3.91E-05	6.33E-01	16	506.21	51	38	525.38	669.42	0	0	0	0
281	18.48	63.89	0.49	6	5.18E-05	8.41E-01	16	507.12	51	37	500.12	637.24	0	0	0	0
282	18.53	65.07	0.4	6	8.01E-05	1.32E+00	15	514.11	50	37	468.61	597.09	0	0	0	0
283	18.57	66.98	0.33	6	1.18E-04	1.99E+00	15	525.49	51	37	446.41	568.81	0	0	0	0
284	18.64	68.16	0.26	6	1.53E-04	2.59E+00	15	527.64	50	36	427.53	544.75	0	0	0	0
285	18.72	65.89	0.23	6	1.69E-04	2.82E+00	14	521.15	50	36	415.81	529.81	0	0	0	0
286	18.77	64.89	0.25	6	1.39E-04	2.26E+00	14	505.58	49	36	416.86	531.15	0	0	0	0
287	18.86	61.99	0.3	6	1.03E-04	1.63E+00	14	491.04	49	37	427.33	544.5	0	0	0	0
288	18.91	60.44	0.34	6	7.00E-05	1.07E+00	14	475.04	48	37	443.65	565.29	0	0	0	0
289	19.01	58.9	0.42	6	5.34E-05	7.98E-01	14	466.52	48	37	457.54	582.98	0	0	0	0
290	19.04	58.81	0.44	6	4.22E-05	6.24E-01	14	461.68	48	37	472.47	602.01	0	0	0	0
291	19.11	58.63	0.5	6	3.38E-05	4.99E-01	15	460.93	48	37	491.05	625.68	0	0	0	0
292	19.2	58.63	0.61	6	2.77E-05	4.09E-01	15	460.39	48	37	508.47	647.89	0	0	0	0
293	19.23	58.63	0.63	6	2.42E-05	3.57E-01	15	460.38	48	37	520.9	663.72	0	0	0	0
294	19.3	58.63	0.63	6	2.22E-05	3.31E-01	15	464.68	48	37	533.99	680.41	0	0	0	0
295	19.39	60.26	0.74	6	2.15E-05	3.28E-01	16	475.05	49	38	549.07	699.61	0	0	0	0
296	19.43	62.53	0.75	6	3.83E-05	6.72E-01	17	547.87	52	38	570.69	727.16	0	0	0	0
297	19.54	85.95	0.62	6	6.57E-05	1.29E+00	18	613.01	54	38	579.04	737.8	0	0	0	0
298	19.58	84.67	0.62	6	1.19E-04	2.66E+00	20	697.74	57	39	592.02	754.34	0	0	0	0
299	19.62	94.29	0.66	6	1.38E-04	3.24E+00	20	731.09	59	39	603.55	769.03	0	0	0	0
300	19.73	98.47	0.65	6	1.52E-04	3.78E+00	21	774.48	60	39	628.37	800.66	0	0	0	0
301	19.78	101.01	0.76	6	1.49E-04	3.80E+00	22	797.38	61	39	649.65	827.77	0	0	0	0
302	19.82	102.92	0.83	6	1.36E-04	3.58E+00	23	818.11	62	39	677.09	862.74	0	0	0	0
303	19.92	106.27	0.9	6	1.25E-04	3.29E+00	23	824.11	62	40	693.32	883.41	0	0	0	0
304	19.97	103.28	0.92	6	1.15E-04	3.03E+00	23	821.86	62	40	701.49	893.83	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	SPT N60 (blows/feet)	Constrained Mod. (tsf)	Dr (%)	Friction angle (°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	Und. strength ratio	Kocr
305	20.01	102.1	0.92	6	9.76E-05	2.51E+00	23	802.48	62	40	705.73	899.23	0	0	0	0
306	20.1	99.01	1	6	7.00E-05	1.78E+00	24	795.44	61	40	742.84	946.51	0	0	0	0
307	20.16	100.65	1.39	6	5.61E-05	1.46E+00	25	812.12	62	40	789.35	1005.77	0	0	0	0
308	20.24	108.36	1.47	6	4.77E-05	1.30E+00	26	851.55	64	41	852.31	1085.99	0	0	0	0
309	20.3	113.81	1.72	6	5.14E-05	1.50E+00	28	911.53	66	41	900.09	1146.88	0	0	0	0
310	20.35	123.15	1.85	6	6.44E-05	2.03E+00	29	984.07	68	41	933.05	1188.87	0	0	0	0
311	20.45	135.59	1.67	6	9.11E-05	3.11E+00	31	1066.03	71	42	949.19	1209.44	0	0	0	0
312	20.49	144.57	1.65	6	1.37E-04	5.02E+00	32	1147.56	73	42	949.55	1209.9	0	0	0	0
313	20.54	153.74	1.58	6	1.89E-04	7.17E+00	33	1183.85	74	41	944.56	1203.54	0	0	0	0
314	20.62	159.28	1.41	6	2.30E-04	8.40E+00	32	1140.74	74	41	910.16	1159.71	0	0	0	0
315	20.68	143.76	1.2	6	2.64E-04	9.11E+00	31	1075.82	72	41	858.37	1093.71	0	0	0	0
316	20.76	138.86	1.04	6	2.56E-04	8.34E+00	29	1016.63	70	41	811.14	1033.54	0	0	0	0
317	20.83	132.77	1.02	6	2.53E-04	8.03E+00	28	989.5	69	40	789.5	1005.96	0	0	0	0
318	20.87	132.05	1.02	6	2.32E-04	7.32E+00	28	985.64	69	40	786.41	1002.03	0	0	0	0
319	20.95	130.87	1.05	6	1.69E-04	5.57E+00	28	1026.84	68	40	819.28	1043.92	0	0	0	0
320	21.02	126.6	1.44	6	1.28E-04	4.15E+00	28	1013.92	68	41	849.04	1081.83	0	0	0	0
321	21.07	126.33	1.42	6	1.04E-04	3.33E+00	29	1001.8	68	41	871.09	1109.92	0	0	0	0
322	21.17	126.33	1.36	6	1.15E-04	3.70E+00	28	1000.32	67	41	853.29	1087.24	0	0	0	0
323	21.21	126.06	1.2	6	1.46E-04	4.76E+00	28	1019.9	68	41	834.06	1062.74	0	0	0	0
324	21.31	133.68	1.12	6	1.66E-04	5.53E+00	28	1040.45	68	40	831.27	1059.18	0	0	0	0
325	21.36	134.05	1.27	6	1.67E-04	5.80E+00	30	1082.43	70	41	863.64	1100.43	0	0	0	0
326	21.4	141.85	1.48	6	2.22E-04	8.15E+00	32	1145.72	73	41	914.14	1164.77	0	0	0	0
327	21.5	180.06	1.43	6	3.18E-04	1.22E+01	34	1196.45	77	42	954.62	1216.35	0	0	0	0
328	21.54	185.87	1.42	6	4.07E-04	1.59E+01	36	1216.21	79	42	970.38	1236.44	0	0	0	0
329	21.6	173.61	1.48	6	3.79E-04	1.46E+01	35	1198.5	78	42	956.25	1218.44	0	0	0	0
330	21.69	165.45	1.33	6	2.85E-04	1.06E+01	33	1160	75	41	925.53	1179.29	0	0	0	0
331	21.74	143.76	1.3	6	2.31E-04	8.23E+00	31	1110.62	72	41	886.13	1129.09	0	0	0	0
332	21.81	136.22	1.23	6	1.80E-04	6.11E+00	29	1059.21	69	40	845.11	1076.82	0	0	0	0
333	21.89	126.42	1.09	6	1.63E-04	5.26E+00	28	1007.87	67	40	807.88	1029.38	0	0	0	0
334	21.92	119.07	1.01	6	1.48E-04	4.47E+00	26	942.3	65	40	768.34	979.01	0	0	0	0
335	21.98	111.63	0.93	6	1.25E-04	3.54E+00	25	884.46	63	40	743.65	947.55	0	0	0	0
336	22.08	104.73	0.95	6	1.11E-04	2.99E+00	24	841.82	61	40	723.44	921.79	0	0	0	0
337	22.12	103.1	0.89	6	1.09E-04	2.86E+00	23	816.85	60	39	703.7	896.64	0	0	0	0
338	22.18	102.28	0.77	6	1.25E-04	3.29E+00	23	818.98	60	39	688.44	877.2	0	0	0	0
339	22.27	105.55	0.77	6	1.55E-04	4.21E+00	23	846.04	61	39	683.98	871.51	0	0	0	0
340	22.31	113.26	0.77	6	1.84E-04	5.11E+00	24	865.78	62	39	690.78	880.18	0	0	0	0
341	22.41	115.53	0.76	6	2.14E-04	5.98E+00	24	873.58	63	39	697.01	888.11	0	0	0	0
342	22.45	117.53	0.76	6	2.57E-04	7.27E+00	25	883.41	64	39	704.85	898.11	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
343	22.51	128.87	0.76	6	3.34E-04	9.76E+00	26	911.32	66	40	727.12	926.48	0	0	0	0
344	22.6	144.94	0.83	6	3.91E-04	1.20E+01	28	956.19	69	40	762.92	972.1	0	0	0	0
345	22.65	148.29	0.96	6	3.09E-04	9.92E+00	29	1003.6	69	40	800.74	1020.29	0	0	0	0
346	22.72	131.23	1.14	6	1.94E-04	6.33E+00	28	1021.19	67	40	814.78	1038.17	0	0	0	0
347	22.79	117.62	1.14	6	1.36E-04	4.31E+00	27	985.59	65	40	815.79	1039.46	0	0	0	0
348	22.84	124.61	1.12	6	1.18E-04	3.64E+00	27	958.8	65	40	814.21	1037.45	0	0	0	0
349	22.94	121.16	1.19	6	1.11E-04	3.40E+00	27	953.37	64	40	818.69	1043.15	0	0	0	0
350	22.97	115.62	1.2	6	7.76E-05	2.23E+00	26	898.35	63	40	823.47	1049.25	0	0	0	0
351	23.08	104.01	1.34	6	5.38E-05	1.46E+00	26	845.2	61	40	827.88	1054.86	0	0	0	0
352	23.13	101.28	1.41	6	4.02E-05	1.04E+00	25	806.72	60	40	832.83	1061.18	0	0	0	0
353	23.17	101.24	1.4	6	3.89E-05	9.95E-01	25	799.07	60	40	830.03	1057.6	0	0	0	0
354	23.25	101.19	1.32	6	4.14E-05	1.06E+00	25	798.49	59	40	820.02	1044.86	0	0	0	0
355	23.31	101.1	1.27	6	4.78E-05	1.23E+00	25	802.65	59	40	803.19	1023.41	0	0	0	0
356	23.37	102.83	1.16	6	5.93E-05	1.52E+00	24	798.7	59	40	768.75	979.52	0	0	0	0
357	23.46	99.74	0.9	6	8.15E-05	2.10E+00	24	803.96	59	39	730.38	930.63	0	0	0	0
358	23.51	103.1	0.79	6	1.07E-04	2.75E+00	23	800.8	59	39	692.56	882.45	0	0	0	0
359	23.61	101.65	0.74	6	1.19E-04	3.09E+00	23	810.45	59	39	687.45	875.94	0	0	0	0
360	23.65	103.37	0.81	6	1.14E-04	2.99E+00	23	817.69	59	39	699.16	890.86	0	0	0	0
361	23.7	105.82	0.89	6	1.04E-04	2.79E+00	24	835.85	60	39	726.51	925.7	0	0	0	0
362	23.77	108.45	0.99	6	9.00E-05	2.45E+00	25	850.14	60	40	758.64	966.64	0	0	0	0
363	23.85	108.72	1.13	6	7.54E-05	2.07E+00	25	857.63	61	40	790.26	1006.94	0	0	0	0
364	23.89	108.63	1.24	6	5.03E-05	1.37E+00	26	848.4	61	40	841.29	1071.95	0	0	0	0
365	23.98	105	1.66	6	2.79E-05	7.48E-01	27	837.47	61	40	923.75	1177.02	0	0	0	0
366	24.03	104.64	2.31	5	1.40E-05	3.68E-01	28	818.81	60	41	1022.63	1303.02	0	0	0	0
367	24.08	101.65	2.88	5	8.89E-06	2.31E-01	29	809.6	60	41	1098.24	1399.36	0	0	0	0
368	24.16	101.56	3.04	5	7.01E-06	1.80E-01	29	801.35	60	42	1134.89	1446.06	0	0	0	0
369	24.21	101.56	3.04	5	6.37E-06	1.63E-01	30	800.84	60	42	1153.92	1470.29	0	0	0	0
370	24.3	101.46	3.25	5	9.78E-06	2.86E-01	32	912.36	64	42	1216.5	1550.04	0	0	0	0
371	24.37	143.39	3.46	5	2.09E-05	7.43E-01	37	1108.86	70	42	1288.63	1641.94	0	0	0	0
372	24.42	175.25	3.2	6	5.88E-05	2.68E+00	43	1425.63	78	43	1374.09	1750.83	0	0	0	0
373	24.5	220.26	3.22	6	8.89E-05	4.43E+00	45	1557.46	81	44	1393.03	1774.97	0	0	0	0
374	24.56	192.85	3.23	6	8.23E-05	4.10E+00	45	1554.27	81	44	1409.69	1796.2	0	0	0	0
375	24.61	174.07	3.48	6	4.85E-05	2.28E+00	45	1469.33	79	44	1466.48	1868.55	0	0	0	0
376	24.71	188.41	4.56	5	2.67E-05	1.12E+00	43	1317.59	75	43	1465.4	1867.18	0	0	0	0
377	24.75	135.95	3.96	5	2.78E-05	1.20E+00	43	1343.98	76	43	1483.75	1890.56	0	0	0	0
378	24.85	183.96	3.68	6	3.84E-05	1.72E+00	44	1394.03	77	43	1451.04	1848.89	0	0	0	0
379	24.88	207.19	3.67	6	1.04E-04	5.86E+00	50	1763.52	86	44	1533.97	1954.55	0	0	0	0
380	24.95	274.53	3.82	6	2.19E-04	1.46E+01	58	2084.08	95	45	1662.83	2118.74	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
381	25.05	343.24	4.33	6	4.13E-04	2.98E+01	66	2250.34	100	46	1795.49	2287.77	0	0	0	0
382	25.09	380.81	4.4	6	5.39E-04	4.06E+01	71	2351.66	100	46	1876.33	2390.78	0	0	0	0
383	25.13	370.55	4.39	6	3.47E-04	2.55E+01	66	2295.01	100	46	1831.12	2333.18	0	0	0	0
384	25.24	235.15	4.41	6	1.41E-04	9.47E+00	58	2095.33	93	45	1723.79	2196.41	0	0	0	0
385	25.28	184.51	4.31	6	4.16E-05	2.05E+00	48	1536.8	80	44	1576.63	2008.91	0	0	0	0
386	25.34	161.09	4.12	5	2.90E-05	1.28E+00	44	1379.56	76	43	1511.13	1925.46	0	0	0	0
387	25.43	176.16	3.97	6	3.16E-05	1.38E+00	43	1365.27	76	43	1472.26	1875.92	0	0	0	0
388	25.47	179.15	3.64	6	5.13E-05	2.31E+00	43	1409.16	77	43	1392.24	1773.96	0	0	0	0
389	25.57	177.52	2.47	6	8.21E-05	3.68E+00	41	1399.04	76	43	1269.42	1617.47	0	0	0	0
390	25.62	172.34	1.98	6	1.34E-04	5.90E+00	38	1375.85	75	42	1142.7	1456	0	0	0	0
391	25.66	170.44	1.83	6	1.67E-04	7.21E+00	37	1350.43	74	42	1078.02	1373.6	0	0	0	0
392	25.76	167.99	1.66	6	1.85E-04	7.80E+00	36	1318.42	74	41	1051.93	1340.34	0	0	0	0
393	25.79	169.35	1.65	6	1.99E-04	8.32E+00	36	1302.44	74	41	1039.18	1324.1	0	0	0	0
394	25.86	171.35	1.66	6	2.05E-04	8.56E+00	36	1303.95	74	41	1040.38	1325.63	0	0	0	0
395	25.95	171.07	1.64	6	2.07E-04	8.69E+00	36	1313.9	74	41	1048.32	1335.75	0	0	0	0
396	26	173.98	1.71	6	1.94E-04	8.25E+00	37	1328.21	74	41	1059.74	1350.3	0	0	0	0
397	26.1	171.03	1.8	6	1.79E-04	7.73E+00	37	1347.11	74	41	1074.82	1369.51	0	0	0	0
398	26.12	171.01	1.83	6	1.64E-04	7.13E+00	37	1356.09	74	42	1085.62	1383.27	0	0	0	0
399	26.19	170.98	1.87	6	1.57E-04	6.82E+00	37	1354.7	74	42	1092.87	1392.52	0	0	0	0
400	26.27	170.53	1.9	6	1.52E-04	6.55E+00	37	1349.7	74	42	1096.14	1396.67	0	0	0	0
401	26.34	169.17	1.88	6	1.54E-04	6.71E+00	37	1358.15	74	42	1099.35	1400.76	0	0	0	0
402	26.38	174.16	1.88	6	1.63E-04	7.27E+00	38	1393.92	75	42	1117.32	1423.66	0	0	0	0
403	26.48	183.96	2.04	6	1.66E-04	7.60E+00	39	1433.31	76	42	1145.54	1459.62	0	0	0	0
404	26.52	183.96	2.14	6	1.59E-04	7.51E+00	40	1470.3	77	42	1183.13	1507.52	0	0	0	0
405	26.57	188.04	2.29	6	1.34E-04	6.45E+00	42	1498.13	77	43	1243.29	1584.18	0	0	0	0
406	26.67	194.4	2.8	6	1.14E-04	5.62E+00	43	1534.63	78	43	1311.65	1671.28	0	0	0	0
407	26.72	197.66	3.02	6	1.04E-04	5.33E+00	46	1601.67	80	43	1392.88	1774.78	0	0	0	0
408	26.81	213.18	3.31	6	1.06E-04	5.65E+00	47	1665.76	82	44	1443.21	1838.9	0	0	0	0
409	26.86	218.45	3.36	6	1.13E-04	6.22E+00	49	1724.33	83	44	1477.65	1882.79	0	0	0	0
410	26.91	219.63	3.36	6	1.14E-04	6.32E+00	49	1732.75	83	44	1481.72	1887.97	0	0	0	0
411	26.98	216.36	3.34	6	1.11E-04	6.06E+00	48	1708.77	83	44	1468.82	1871.55	0	0	0	0
412	27.05	209.46	3.23	6	1.10E-04	5.88E+00	47	1665.17	81	43	1432.47	1825.22	0	0	0	0
413	27.15	203.29	2.92	6	1.11E-04	5.78E+00	46	1621.35	80	43	1392.47	1774.25	0	0	0	0
414	27.17	199.93	2.85	6	1.14E-04	5.73E+00	44	1576.09	79	43	1348.49	1718.21	0	0	0	0
415	27.25	192.49	2.7	6	1.10E-04	5.45E+00	44	1544.58	78	43	1328.76	1693.07	0	0	0	0
416	27.34	191.49	2.72	6	1.11E-04	5.44E+00	43	1529.31	78	43	1313.63	1673.8	0	0	0	0
417	27.36	194.22	2.66	6	1.24E-04	6.17E+00	44	1556.45	78	43	1311	1670.45	0	0	0	0
418	27.43	202.66	2.57	6	1.50E-04	7.89E+00	45	1646.71	80	43	1340.33	1707.82	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
419	27.53	225.35	2.87	6	1.82E-04	1.02E+01	48	1742.27	83	43	1390.11	1771.25	0	0	0	0
420	27.58	240.5	3.02	6	2.14E-04	1.27E+01	52	1853.05	87	43	1478.5	1883.87	0	0	0	0
421	27.68	265.73	3.39	6	2.40E-04	1.48E+01	54	1928.1	89	44	1538.37	1960.16	0	0	0	0
422	27.69	270.27	3.41	6	2.57E-04	1.64E+01	56	1991.77	91	44	1589.18	2024.9	0	0	0	0
423	27.77	276.08	3.52	6	2.54E-04	1.65E+01	57	2021.58	92	44	1612.96	2055.2	0	0	0	0
424	27.86	276.26	3.67	6	2.36E-04	1.55E+01	57	2047.17	92	44	1633.38	2081.22	0	0	0	0
425	27.91	269.45	3.72	6	2.18E-04	1.44E+01	57	2061.88	92	44	1645.12	2096.18	0	0	0	0
426	27.96	270.18	3.74	6	2.00E-04	1.32E+01	57	2060.14	91	44	1643.73	2094.41	0	0	0	0
427	28.03	262.92	3.75	6	1.86E-04	1.23E+01	57	2061.98	90	44	1645.2	2096.28	0	0	0	0
428	28.1	259.74	3.81	6	1.64E-04	1.08E+01	56	2055.46	89	44	1646.1	2097.42	0	0	0	0
429	28.15	252.93	3.89	6	1.39E-04	8.80E+00	55	1979.87	88	44	1633.62	2081.52	0	0	0	0
430	28.25	234.6	3.78	6	1.21E-04	7.36E+00	53	1896.27	86	44	1603.44	2043.07	0	0	0	0
431	28.29	228.43	3.59	6	1.12E-04	6.40E+00	51	1791.87	83	44	1538.12	1959.84	0	0	0	0
432	28.35	213.82	3.18	6	1.11E-04	5.98E+00	48	1683.41	81	43	1446.51	1843.11	0	0	0	0
433	28.44	193.94	2.69	6	1.09E-04	5.53E+00	45	1578.58	78	43	1360.09	1732.99	0	0	0	0
434	28.48	189.13	2.59	6	1.12E-04	5.37E+00	43	1502.4	76	43	1289.65	1643.24	0	0	0	0
435	28.58	185.23	2.37	6	1.15E-04	5.40E+00	41	1468.5	75	42	1254.01	1597.83	0	0	0	0
436	28.63	181.24	2.26	6	1.24E-04	5.72E+00	40	1441.41	74	42	1213.94	1546.78	0	0	0	0
437	28.69	178.97	2.1	6	1.30E-04	5.83E+00	39	1401.91	73	42	1170.81	1491.82	0	0	0	0
438	28.78	170.44	1.88	6	1.30E-04	5.70E+00	38	1367.26	72	42	1141.38	1454.33	0	0	0	0
439	28.82	168.26	1.95	6	1.14E-04	4.89E+00	38	1333.36	72	42	1139.2	1451.54	0	0	0	0
440	28.88	166.26	2.16	6	6.47E-05	2.73E+00	39	1316.17	71	42	1246.96	1588.85	0	0	0	0
441	28.97	163.99	3.46	6	3.09E-05	1.28E+00	42	1300.18	71	42	1408.23	1794.33	0	0	0	0
442	29.02	162.27	4.6	5	1.77E-05	7.34E-01	44	1297.05	71	43	1554.03	1980.11	0	0	0	0
443	29.11	165.08	4.81	8	1.33E-05	5.58E-01	45	1310.82	72	43	1653.43	2106.76	0	0	0	0
444	29.16	169.17	5.32	8	1.27E-05	5.54E-01	47	1361.87	73	43	1731.97	2206.84	0	0	0	0
445	29.21	181.42	5.87	8	1.92E-05	9.55E-01	52	1554.47	78	44	1834.9	2338	0	0	0	0
446	29.29	237.32	5.72	6	5.61E-05	3.66E+00	61	2038.44	88	45	1981.41	2524.67	0	0	0	0
447	29.35	350.68	5.62	6	1.53E-04	1.27E+01	71	2595.68	99	46	2104.61	2681.65	0	0	0	0
448	29.4	390.43	5.82	6	2.95E-04	2.71E+01	82	2869.89	100	47	2289.81	2917.62	0	0	0	0
449	29.49	456.59	6.96	6	2.46E-04	2.34E+01	83	2965.55	100	47	2366.13	3014.88	0	0	0	0
450	29.54	351.04	6.95	6	1.46E-04	1.39E+01	82	2970.61	100	47	2428.4	3094.22	0	0	0	0
451	29.64	311.29	7.75	8	5.96E-05	4.72E+00	74	2470.88	97	46	2375.38	3026.66	0	0	0	0
452	29.69	269.18	8.16	8	3.39E-05	2.43E+00	70	2236.33	93	46	2381.72	3034.74	0	0	0	0
453	29.73	263.01	8.38	8	3.63E-05	2.67E+00	72	2292.37	94	46	2410.76	3071.75	0	0	0	0
454	29.83	332.26	8.04	8	5.27E-05	4.23E+00	76	2506.89	98	47	2464.32	3139.98	0	0	0	0
455	29.88	349.59	8.06	8	8.57E-05	7.55E+00	80	2751.79	100	47	2477.74	3157.08	0	0	0	0
456	29.93	354.85	7.4	6	1.15E-04	1.03E+01	78	2780.6	100	47	2373.16	3023.84	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
457	30.02	343.05	5.83	6	1.54E-04	1.35E+01	75	2733.14	100	46	2213.12	2819.91	0	0	0	0
458	30.07	331.8	5.24	6	2.21E-04	1.82E+01	72	2575.92	100	45	2055.25	2618.76	0	0	0	0
459	30.13	345.78	4.7	6	2.88E-04	2.28E+01	70	2469.47	100	45	1970.32	2510.54	0	0	0	0
460	30.19	349.32	4.36	6	3.78E-04	2.88E+01	69	2381.11	100	46	1899.82	2420.71	0	0	0	0
461	30.25	344.6	4.02	6	4.24E-04	3.12E+01	68	2298.16	100	45	1833.64	2336.39	0	0	0	0
462	30.32	330.8	3.79	6	4.10E-04	2.95E+01	66	2247.3	99	45	1793.06	2284.67	0	0	0	0
463	30.41	320.55	3.94	6	3.62E-04	2.60E+01	65	2237.97	97	45	1785.61	2275.19	0	0	0	0
464	30.45	318.82	4.06	6	3.85E-04	2.69E+01	64	2183.45	97	45	1742.12	2219.77	0	0	0	0
465	30.55	317.46	3.22	6	5.01E-04	3.36E+01	63	2088.84	97	45	1666.62	2123.58	0	0	0	0
466	30.6	324.09	2.81	6	7.22E-04	4.62E+01	62	1998.87	98	45	1594.84	2032.11	0	0	0	0
467	30.65	339.97	2.95	6	9.46E-04	6.11E+01	64	2016.61	100	45	1609	2050.15	0	0	0	0
468	30.74	375.64	3.11	6	1.07E-03	7.19E+01	67	2098.94	100	46	1674.68	2133.85	0	0	0	0
469	30.78	390.34	3.34	6	1.13E-03	8.11E+01	72	2237.86	100	46	1785.53	2275.08	0	0	0	0
470	30.84	425.01	4.01	6	9.12E-04	7.01E+01	76	2398.6	100	47	1913.78	2438.49	0	0	0	0
471	30.93	412.3	4.69	6	7.89E-04	6.49E+01	80	2567.13	100	47	2048.24	2609.83	0	0	0	0
472	30.98	442.43	4.98	6	6.96E-04	6.06E+01	84	2718.61	100	47	2169.11	2763.83	0	0	0	0
473	31.06	470.11	5.55	6	5.83E-04	5.40E+01	88	2893.08	100	47	2308.31	2941.2	0	0	0	0
474	31.13	452.41	6.59	6	4.29E-04	4.18E+01	90	3043.07	100	47	2427.98	3093.69	0	0	0	0
475	31.18	435.99	6.98	6	2.96E-04	2.98E+01	90	3148.21	100	47	2511.87	3200.57	0	0	0	0
476	31.24	425.73	7.36	6	2.32E-04	2.37E+01	89	3193.28	100	47	2547.83	3246.39	0	0	0	0
477	31.32	414.12	7.58	6	1.84E-04	1.87E+01	87	3171.51	100	47	2530.46	3224.26	0	0	0	0
478	31.41	375.91	7.23	6	1.46E-04	1.42E+01	83	3023.78	100	47	2471.68	3149.37	0	0	0	0
479	31.45	349.14	7.03	6	1.19E-04	1.07E+01	79	2805.43	100	46	2381.82	3034.87	0	0	0	0
480	31.51	332.26	6.75	6	9.83E-05	8.28E+00	75	2630.13	98	46	2309.98	2943.33	0	0	0	0
481	31.56	310.2	6.58	6	8.50E-05	6.76E+00	72	2480.68	95	46	2236.54	2849.75	0	0	0	0
482	31.64	293.14	6.25	6	7.39E-05	5.54E+00	69	2340.24	92	46	2164.07	2757.42	0	0	0	0
483	31.7	279.62	5.96	6	7.07E-05	5.12E+00	67	2258.98	91	45	2105.71	2683.05	0	0	0	0
484	31.8	279.71	5.82	6	7.01E-05	5.00E+00	66	2223.49	90	45	2075.74	2644.86	0	0	0	0
485	31.85	279.8	5.82	6	7.31E-05	5.23E+00	66	2236.01	90	45	2072.03	2640.14	0	0	0	0
486	31.89	284.25	5.83	6	7.41E-05	5.34E+00	66	2248.63	90	45	2078.56	2648.46	0	0	0	0
487	31.96	284.43	5.88	6	7.22E-05	5.23E+00	66	2260.75	91	45	2099.73	2675.43	0	0	0	0
488	32.04	284.34	6.15	6	6.78E-05	4.92E+00	67	2263.8	91	45	2126.25	2709.23	0	0	0	0
489	32.09	285.43	6.3	6	6.49E-05	4.71E+00	67	2263.56	91	45	2142.87	2730.39	0	0	0	0
490	32.19	284.34	6.18	6	6.54E-05	4.72E+00	67	2251.15	90	45	2128.41	2711.97	0	0	0	0
491	32.23	279.71	5.91	6	6.94E-05	4.94E+00	66	2223.59	90	45	2080.04	2650.34	0	0	0	0
492	32.3	275.08	5.5	6	7.84E-05	5.55E+00	64	2209.55	89	45	2021.45	2575.69	0	0	0	0
493	32.37	279.12	5.15	6	8.80E-05	6.17E+00	63	2190.58	89	45	1962.86	2501.04	0	0	0	0
494	32.42	272.63	4.92	6	1.03E-04	7.23E+00	63	2199.67	89	45	1916.75	2442.29	0	0	0	0

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CPT Results

	In situ data				Estimations											
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	SPT N60 (blows/feet)	Constrained Mod. (tsf)	Dr (%)	Friction angle (°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	Und. strength ratio	Kocr
495	32.51	278.53	4.65	6	1.18E-04	8.33E+00	62	2211.9	89	45	1880.76	2396.42	0	0	0	0
496	32.56	283.7	4.48	6	1.37E-04	9.92E+00	63	2267.54	90	45	1876.34	2390.8	0	0	0	0
497	32.62	293.5	4.65	6	1.53E-04	1.15E+01	64	2341.36	91	45	1898.18	2418.62	0	0	0	0
498	32.71	306.21	4.76	6	1.63E-04	1.26E+01	66	2418	93	45	1937.97	2469.32	0	0	0	0
499	32.76	312.47	4.87	6	1.67E-04	1.31E+01	67	2456.5	94	45	1960.9	2498.53	0	0	0	0
500	32.84	307.93	4.9	6	1.53E-04	1.18E+01	66	2407.02	93	45	1950.95	2485.86	0	0	0	0
501	32.9	287.69	4.74	6	1.58E-04	1.21E+01	66	2400.19	92	45	1935.44	2466.1	0	0	0	0
502	32.94	309.93	4.63	6	1.67E-04	1.28E+01	65	2384.96	92	45	1902.89	2424.62	0	0	0	0
503	33.02	302.31	4.41	6	1.99E-04	1.51E+01	66	2373.94	93	44	1894.1	2413.42	0	0	0	0
504	33.09	311.93	4.39	6	2.12E-04	1.60E+01	66	2360.5	93	44	1883.38	2399.76	0	0	0	0
505	33.17	315.56	4.4	6	2.33E-04	1.77E+01	67	2377.42	94	45	1896.88	2416.96	0	0	0	0
506	33.21	324.54	4.44	6	2.48E-04	1.92E+01	68	2407.74	96	45	1921.07	2447.78	0	0	0	0
507	33.28	335.52	4.59	6	2.10E-04	1.64E+01	68	2438.24	95	45	1945.4	2478.79	0	0	0	0
508	33.35	298.68	4.91	6	1.84E-04	1.45E+01	68	2468.63	94	45	1969.65	2509.69	0	0	0	0
509	33.4	313.38	4.91	6	1.57E-04	1.23E+01	67	2450.47	93	45	1978.18	2520.55	0	0	0	0
510	33.47	312.47	4.91	6	1.60E-04	1.26E+01	67	2464.67	93	45	1982.32	2525.83	0	0	0	0
511	33.55	304.03	4.92	6	1.58E-04	1.24E+01	67	2442.14	93	45	1968.19	2507.83	0	0	0	0
512	33.62	304.94	4.74	6	1.51E-04	1.17E+01	66	2413.98	92	45	1960.64	2498.2	0	0	0	0
513	33.66	301.94	4.87	6	1.67E-04	1.31E+01	67	2456.04	93	45	1959.72	2497.03	0	0	0	0
514	33.76	319.82	4.76	6	1.59E-04	1.25E+01	67	2447.46	93	45	1969.75	2509.81	0	0	0	0
515	33.81	301.76	4.91	6	1.43E-04	1.10E+01	66	2394.4	92	45	1964.19	2502.73	0	0	0	0
516	33.91	282.07	4.94	6	1.15E-04	8.52E+00	65	2304.12	90	45	1965.63	2504.56	0	0	0	0
517	33.95	285.97	5.07	6	1.04E-04	7.60E+00	65	2285.64	89	45	1987.56	2532.51	0	0	0	0
518	34	294.86	5.34	6	1.04E-04	7.64E+00	65	2291.47	90	45	1991.76	2537.86	0	0	0	0
519	34.1	284.25	4.98	6	1.07E-04	7.76E+00	64	2267.19	89	45	1961.41	2499.19	0	0	0	0
520	34.14	276.89	4.62	6	1.18E-04	8.44E+00	62	2224.03	88	44	1888.57	2406.37	0	0	0	0
521	34.19	278.62	4.26	6	1.10E-04	7.53E+00	60	2135.94	86	44	1838.14	2342.12	0	0	0	0
522	34.29	251.21	4.43	6	1.01E-04	6.72E+00	59	2081.45	85	44	1819.89	2318.86	0	0	0	0
523	34.33	256.47	4.49	6	6.05E-05	3.68E+00	57	1897.95	81	44	1819.95	2318.94	0	0	0	0
524	34.39	209.83	4.92	6	3.68E-05	2.08E+00	55	1767.27	78	44	1853.95	2362.26	0	0	0	0
525	34.48	202.2	5.57	5	2.15E-05	1.12E+00	54	1628.87	75	43	1882.8	2399.03	0	0	0	0
526	34.53	204.56	5.68	5	2.03E-05	1.06E+00	54	1638.32	76	44	1914.43	2439.33	0	0	0	0
527	34.58	213.37	5.47	5	2.42E-05	1.27E+00	54	1644.95	76	43	1862.04	2372.58	0	0	0	0
528	34.66	204.65	4.52	5	2.89E-05	1.52E+00	53	1639.49	75	43	1796.89	2289.55	0	0	0	0
529	34.72	202.47	4.48	6	3.24E-05	1.69E+00	52	1630.74	75	43	1751	2231.09	0	0	0	0
530	34.82	210.01	4.67	6	3.66E-05	1.97E+00	53	1683.32	76	43	1767.99	2252.74	0	0	0	0
531	34.87	224.35	4.57	6	4.74E-05	2.72E+00	55	1790.07	79	44	1794.2	2286.14	0	0	0	0
532	34.92	242.5	4.48	6	7.12E-05	4.43E+00	57	1940.55	82	44	1806.6	2301.93	0	0	0	0

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CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
533	35.01	266.46	4.3	6	1.08E-04	7.28E+00	60	2105.5	85	44	1817.9	2316.33	0	0	0	0
534	35.06	286.24	4.17	6	1.55E-04	1.12E+01	62	2258.16	88	44	1826.02	2326.67	0	0	0	0
535	35.11	299.76	4.13	6	2.07E-04	1.52E+01	63	2286.68	90	44	1824.48	2324.71	0	0	0	0
536	35.19	311.29	3.93	6	2.58E-04	1.88E+01	64	2274.8	92	44	1815	2312.64	0	0	0	0
537	35.25	317.37	3.8	6	2.77E-04	2.04E+01	65	2299.61	93	44	1834.79	2337.86	0	0	0	0
538	35.34	321.64	4.27	6	2.72E-04	2.04E+01	66	2341.52	93	44	1868.23	2380.46	0	0	0	0
539	35.39	325.72	4.32	6	2.42E-04	1.85E+01	67	2380.72	93	44	1899.51	2420.31	0	0	0	0
540	35.44	313.01	4.3	6	2.27E-04	1.74E+01	67	2383.52	93	44	1901.75	2423.17	0	0	0	0
541	35.54	312.02	4.36	6	2.07E-04	1.60E+01	67	2408.47	92	44	1921.65	2448.53	0	0	0	0
542	35.61	319.82	4.66	6	1.96E-04	1.54E+01	68	2452.68	93	44	1956.93	2493.48	0	0	0	0
543	35.63	320.73	4.79	6	1.75E-04	1.41E+01	69	2509.04	93	45	2001.9	2550.77	0	0	0	0
544	35.71	314.1	5.06	6	4.40E-04	2.98E+01	63	2115.87	93	44	1688.19	2151.06	0	0	0	0
545	35.77	316.28	0	6	1.93E-03	9.98E+01	55	1614.77	92	44	1288.38	1641.62	0	0	0	0
546	35.86	318.01	0	0	0.00E+00	0.00E+00	0	281.78	0	0	0	286.46	0	0	0	0
547	35.92	310.93	0	0	0.00E+00	0.00E+00	0	280.52	0	0	0	285.19	0	0	0	0
548	35.97	312.11	0	0	0.00E+00	0.00E+00	0	276.22	0	0	0	280.82	0	0	0	0
549	36.04	303.76	0	0	0.00E+00	0.00E+00	0	275.2	0	0	0	279.78	0	0	0	0
550	36.1	307.57	0	0	0.00E+00	0.00E+00	0	273.82	0	0	0	278.38	0	0	0	0

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
1	0	71.37	-0.02	0	0	0	0	1.6	58.61	0.1	120.94	28.72	0.76	93.95	0.43
2	0	89.71	-0.1	0	0	0	0	1.96	101.81	0.75	120.94	28.72	0.76	93.95	0.43
3	19.64	112.72	0	1	2.04	0	0.08	2.62	155.69	0.58	120.94	28.72	0.76	93.95	0.43
4	23.44	127.2	0	1	1.09	0	0.09	3.72	263.95	0.58	120.94	28.72	0.76	93.95	0.43
5	23.67	136.65	0	1	0.73	0	0.09	5.05	362.17	0.58	120.94	28.72	0.76	93.95	0.43
6	22.48	139.61	0	1	0.42	0	0.07	7.87	535.75	0.58	120.94	28.72	0.76	93.95	0.43
7	26.09	154.87	0	1	0.33	0	0.08	8.73	689.97	0.58	120.94	28.72	0.76	93.95	0.43
8	0	306.3	-0.22	0	0	0	0.01	1.23	230.1	0.92	120.94	28.72	0.76	93.95	0.43
9	0	393.86	-0.24	0	0	0	0.02	1	263.66	0.95	120.94	28.72	0.76	93.95	0.43
10	0	456.7	-0.27	0	0	0	0.02	1	318.6	0.99	120.94	28.72	0.76	93.95	0.43
11	0	487.82	-0.28	0	0	0	0.02	1	356.77	1.02	120.94	28.72	0.76	93.95	0.43
12	0	509.96	-0.29	0	0	0	0.02	1	374.06	1.03	120.94	28.72	0.76	93.95	0.43
13	0	535.39	-0.3	0	0	0	0.03	1	392.31	1.04	120.94	28.72	0.76	93.95	0.43
14	0	569.34	-0.31	0	0	0	0.03	1	434.46	1.07	120.94	28.72	0.76	93.95	0.43
15	0	610.1	-0.33	0	0	0	0.03	1	484.98	1.1	120.94	28.72	0.76	93.95	0.43
16	0	644.69	-0.34	0	0	0	0.04	1	520.92	1.12	120.94	28.72	0.76	93.95	0.43
17	0	676.7	-0.35	0	0	0	0.04	1	566.59	1.14	120.94	28.72	0.76	93.95	0.43
18	0	706.83	-0.36	0	0	0	0.04	1	615.68	1.16	120.94	28.72	0.76	93.95	0.43
19	0	738.58	-0.37	0	0	0	0.04	1	653.55	1.18	120.94	28.72	0.76	93.95	0.43
20	0	769.36	-0.38	0	0	0	0.05	1	701.67	1.2	120.94	28.72	0.76	93.95	0.43
21	0	796.99	-0.39	0	0	0	0.05	1	741.71	1.22	120.94	28.72	0.76	93.95	0.43
22	0	822.41	-0.39	0	0	0	0.05	1	771.9	1.23	120.94	28.72	0.76	93.95	0.43
23	0	833.37	-0.4	0	0	0	0.05	1	784.88	1.23	120.94	28.72	0.76	93.95	0.43
24	0	835.18	-0.39	0	0	0	0.06	1	774.87	1.23	120.94	28.72	0.76	93.95	0.43
25	0	830.18	-0.39	0	0	0	0.06	1	752.03	1.22	120.94	28.72	0.76	93.95	0.43
26	0	820.57	-0.38	0	0	0	0.06	1	725.29	1.21	120.94	28.72	0.76	93.95	0.43
27	0	810.08	-0.38	0	0	0	0.06	1	691.19	1.2	120.94	28.72	0.76	93.95	0.43
28	0	799.54	-0.37	0	0	0	0.06	1	664.36	1.18	120.94	28.72	0.76	93.95	0.43
29	0	786.45	-0.37	0	0	0	0.07	1	636.12	1.17	120.94	28.72	0.76	93.95	0.43
30	0	771.24	-0.36	0	0	0	0.07	1	602.97	1.16	120.94	28.72	0.76	93.95	0.43
31	0	752.76	-0.35	0	0	0	0.07	1	564.27	1.14	120.94	28.72	0.76	93.95	0.43
32	0	738.86	-0.34	0	0	0	0.07	1	531.08	1.12	120.94	28.72	0.76	93.95	0.43
33	0	726.42	-0.33	0	0	0	0.07	1	509.02	1.11	120.94	28.72	0.76	93.95	0.43
34	0	721.16	-0.33	0	0	0	0.07	1	496.86	1.1	120.94	28.72	0.76	93.95	0.43
35	0	714	-0.33	0	0	0	0.07	1	483.05	1.1	120.94	28.72	0.76	93.95	0.43
36	0	706.5	-0.32	0	0	0	0.08	1	466.77	1.09	120.94	28.72	0.76	93.95	0.43
37	0	693.88	-0.31	0	0	0	0.08	1	447.27	1.08	120.94	28.72	0.76	93.95	0.43
38	0	682.57	-0.31	0	0	0	0.08	1	427.5	1.06	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
39	0	668.25	-0.3	0	0	0	0.08	1	407.88	1.05	120.94	28.72	0.76	93.95	0.43
40	0	658.63	-0.3	0	0	0	0.08	1	391.39	1.04	120.94	28.72	0.76	93.95	0.43
41	0	651.34	-0.29	0	0	0	0.08	1	377.28	1.03	120.94	28.72	0.76	93.95	0.43
42	0	645.83	-0.29	0	0	0	0.08	1	367.93	1.03	120.94	28.72	0.76	93.95	0.43
43	0	635.7	-0.28	0	0	0	0.08	1	353.23	1.02	120.94	28.72	0.76	93.95	0.43
44	0	623.21	-0.27	0	0	0	0.09	1	334.96	1	120.94	28.72	0.76	93.95	0.43
45	0	604.57	-0.26	0	0	0	0.09	1	311.82	0.99	120.94	28.72	0.76	93.95	0.43
46	0	587.17	-0.25	0	0	0	0.09	1	288.11	0.97	120.94	28.72	0.76	93.95	0.43
47	0	566.24	-0.24	0	0	0	0.09	1	264.27	0.95	120.94	28.72	0.76	93.95	0.43
48	0	545.78	-0.23	0	0	0	0.09	1	241.92	0.93	120.94	28.72	0.76	93.95	0.43
49	0	527.58	-0.21	0	0	0	0.09	1	221.1	0.91	120.94	28.72	0.76	93.95	0.43
50	0	505.58	-0.2	0	0	0	0.09	1	199.32	0.89	120.94	28.72	0.76	93.95	0.43
51	0	485.39	-0.18	0	0	0	0.09	1	179.84	0.86	120.94	28.72	0.76	93.95	0.43
52	0	463.94	-0.17	0	0	0	0.08	1	161.07	0.84	120.94	28.72	0.76	93.95	0.43
53	0	445.58	-0.15	0	0	0	0.08	1	146.22	0.82	120.94	28.72	0.76	93.95	0.43
54	0	433.91	-0.14	0	0	0	0.08	1	135.7	0.81	120.94	28.72	0.76	93.95	0.43
55	0	423.29	-0.14	0	0	0	0.08	1.01	128.75	0.8	120.94	28.72	0.76	93.95	0.43
56	0	414.64	-0.13	0	0	0	0.09	1.05	126.65	0.79	120.94	28.72	0.76	93.95	0.43
57	0	403.65	-0.13	0	0	0	0.09	1.09	122.35	0.79	120.94	28.72	0.76	93.95	0.43
58	0	390.21	-0.12	0	0	0	0.09	1.15	117.12	0.78	120.94	28.72	0.76	93.95	0.43
59	0	377.39	-0.11	0	0	0	0.09	1.2	111.01	0.77	120.94	28.72	0.76	93.95	0.43
60	0	368.48	-0.11	0	0	0	0.09	1.23	105.74	0.76	120.94	28.72	0.76	93.95	0.43
61	0	361.57	-0.1	0	0	0	0.09	1.26	101.56	0.75	120.94	28.72	0.76	93.95	0.43
62	0	355.03	-0.1	0	0	0	0.09	1.3	97.47	0.74	120.94	28.72	0.76	93.95	0.43
63	0	347.46	-0.09	0	0	0	0.09	1.35	93.64	0.74	120.94	28.72	0.76	93.95	0.43
64	0	339.46	-0.09	0	0	0	0.09	1.44	92.66	0.73	120.94	28.72	0.76	93.95	0.43
65	0	336.01	-0.09	0	0	0	0.09	1.59	95.3	0.74	120.94	28.72	0.76	93.95	0.43
66	0	333.04	-0.1	0	0	0	0.1	1.81	102.06	0.75	120.94	28.72	0.76	93.95	0.43
67	0	331.15	-0.11	0	0	0	0.1	2.01	108.09	0.76	120.94	28.72	0.76	93.95	0.43
68	0	326.21	-0.12	0	0	0	0.1	2.26	113.67	0.77	120.94	28.72	0.76	93.95	0.43
69	0	321.22	-0.12	0	0	0	0.1	2.48	117.07	0.78	120.94	28.72	0.76	93.95	0.43
70	0	322.59	-0.12	0	0	0	0.1	2.41	113.79	0.77	120.94	28.72	0.76	93.95	0.43
71	0	332.07	-0.1	0	0	0	0.1	2	103.3	0.75	120.94	28.72	0.76	93.95	0.43
72	0	351.69	-0.09	0	0	0	0.1	1.49	93.7	0.74	120.94	28.72	0.76	93.95	0.43
73	0	368.09	-0.09	0	0	0	0.1	1.3	95.87	0.74	120.94	28.72	0.76	93.95	0.43
74	0	368.87	-0.09	0	0	0	0.11	1.27	94.63	0.74	120.94	28.72	0.76	93.95	0.43
75	0	349.97	-0.08	0	0	0	0.1	1.32	85.73	0.72	120.94	28.72	0.76	93.95	0.43
76	0	319.74	-0.06	0	0	0	0.1	1.59	77.69	0.48	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
77	0	293.07	-0.07	0	0	0	0.11	2.21	82.15	0.7	120.94	28.72	0.76	93.95	0.43
78	0	276.52	-0.09	0	0	0	0.11	2.96	90.36	0.73	120.94	28.72	0.76	93.95	0.43
79	8.01	258.86	0	1	2.58	0	0.34	4.33	105.17	0.58	120.94	28.72	0.76	93.95	0.43
80	6.07	239.72	0	1	1.7	0	0.22	6.78	124.62	0.58	120.94	28.72	0.76	93.95	0.43
81	4.48	224.62	0	1	1.18	0	0.15	10.08	137.02	0.81	120.94	28.72	0.76	93.95	0.43
82	3.45	217.51	0	1	0.96	0	0.12	13.14	137.55	0.76	120.94	28.72	0.76	93.95	0.43
83	2.42	208	0	1	0.71	0	0.08	18.7	137.05	0.72	120.94	28.72	0.76	93.95	0.43
84	1.87	204.61	0	1	0.53	0	0.07	24.58	139.53	0.69	120.94	28.72	0.76	93.95	0.43
85	1.31	201.3	0	1	0.34	0	0.05	37.27	147.58	0.82	120.94	28.72	0.76	93.95	0.43
86	1.46	207.26	0	1	0.35	0	0.05	34.33	151.6	0.96	120.94	28.72	0.76	93.95	0.43
87	0.66	166.96	0	1	0.16	0	0.02	54.34	108.28	0.85	120.94	28.72	0.76	93.95	0.43
88	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
89	0.27	108.86	0	1	0.09	0	0.01	54.34	44.96	0.69	120.94	28.72	0.76	93.95	0.43
90	0.59	160.67	0	1	0.21	0	0.02	54.34	97.1	0.57	120.94	28.72	0.76	93.95	0.43
91	1.01	196.25	0	1	0.31	0	0.04	44.67	137.15	0.57	120.94	28.72	0.76	93.95	0.43
92	0.02	33.47	0	1	0.01	0	0	54.34	4.12	0.95	120.94	28.72	0.76	93.95	0.43
93	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
94	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
95	2.03	243.46	0	1	0.33	0	0.08	29.68	182.81	1.47	120.94	28.72	0.76	93.95	0.43
96	8.53	313.11	0	1	1	0	0.36	7.44	192.33	0.58	120.94	28.72	0.76	93.95	0.43
97	14.34	371.14	0	1	1.73	0	0.76	3.66	159.18	0.58	120.94	28.72	0.76	93.95	0.43
98	18.96	409.23	0	1	2.11	0	1.12	2.61	150.1	0.58	120.94	28.72	0.76	93.95	0.43
99	19.46	418.47	0	1	1.94	0	1.14	2.73	160.66	0.58	120.94	28.72	0.76	93.95	0.43
100	18.23	416.73	0	1	1.62	0	1.03	3.24	179.01	0.58	120.94	28.72	0.76	93.95	0.43
101	15.99	404.86	0	1	1.3	0	0.84	4.17	202.01	0.58	120.94	28.72	0.76	93.95	0.43
102	15.19	398.65	0	1	1.27	0	0.8	4.38	201.61	0.58	120.94	28.72	0.76	93.95	0.43
103	14.37	391.76	0	1	1.28	0	0.76	4.51	196.59	0.58	120.94	28.72	0.76	93.95	0.43
104	13.64	384.89	0	1	1.28	0	0.71	4.69	193.89	0.58	120.94	28.72	0.76	93.95	0.43
105	12.89	379.71	0	1	1.2	0	0.66	5.08	198.65	0.58	120.94	28.72	0.76	93.95	0.43
106	12.42	377.97	0	1	1.15	0	0.64	5.38	202.46	0.58	120.94	28.72	0.76	93.95	0.43
107	11.63	372.38	0	1	1.06	0	0.58	5.93	209.14	0.58	120.94	28.72	0.76	93.95	0.43
108	11.79	372.78	0	1	1.14	0	0.61	5.59	199.59	0.58	120.94	28.72	0.76	93.95	0.43
109	12.18	374.88	0	1	1.29	0	0.65	5.01	185.05	0.58	120.94	28.72	0.76	93.95	0.43
110	13.62	382.94	0	1	1.69	0	0.79	3.87	159.58	0.58	120.94	28.72	0.76	93.95	0.43
111	14.25	386.89	0	1	1.92	0	0.86	3.42	147.64	0.58	120.94	28.72	0.76	93.95	0.43
112	14.14	386.53	0	1	1.93	0	0.86	3.42	146.75	0.58	120.94	28.72	0.76	93.95	0.43
113	13.25	383.27	0	1	1.68	0	0.78	3.95	158.57	0.58	120.94	28.72	0.76	93.95	0.43
114	12.2	380.16	0	1	1.36	0	0.68	4.84	178.85	0.58	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
115	11.65	381.83	0	1	1.14	0	0.63	5.62	198.51	0.58	120.94	28.72	0.76	93.95	0.43
116	11.84	389.23	0	1	1.06	0	0.64	5.83	209.26	0.58	120.94	28.72	0.76	93.95	0.43
117	13.15	402.91	0	1	1.16	0	0.74	5.14	204.62	0.58	120.94	28.72	0.76	93.95	0.43
118	15.04	417.17	0	1	1.44	0	0.91	4.03	183.83	0.58	120.94	28.72	0.76	93.95	0.43
119	17.21	431.65	0	1	1.81	0	1.13	3.12	162.5	0.58	120.94	28.72	0.76	93.95	0.43
120	18.4	438.27	0	1	2.05	0	1.25	2.72	151.79	0.58	120.94	28.72	0.76	93.95	0.43
121	0	447.94	-0.15	0	0	0	0.19	2.39	143.97	0.82	120.94	28.72	0.76	93.95	0.43
122	0	465.31	-0.15	0	0	0	0.19	2.02	137.64	0.81	120.94	28.72	0.76	93.95	0.43
123	0	487.61	-0.15	0	0	0	0.19	1.82	140.3	0.81	120.94	28.72	0.76	93.95	0.43
124	0	512.23	-0.16	0	0	0	0.2	1.71	148.6	0.83	120.94	28.72	0.76	93.95	0.43
125	0	526.99	-0.16	0	0	0	0.2	1.67	154.49	0.83	120.94	28.72	0.76	93.95	0.43
126	0	540.29	-0.16	0	0	0	0.2	1.59	156.76	0.84	120.94	28.72	0.76	93.95	0.43
127	0	538.36	-0.17	0	0	0	0.21	1.65	158	0.84	120.94	28.72	0.76	93.95	0.43
128	0	528.55	-0.17	0	0	0	0.21	1.88	163.98	0.85	120.94	28.72	0.76	93.95	0.43
129	23.26	501.5	0	1	1.81	0	1.7	2.55	179.48	0.58	120.94	28.72	0.76	93.95	0.43
130	19.5	476.41	0	1	1.58	0	1.36	3.16	186.71	0.58	120.94	28.72	0.76	93.95	0.43
131	16.82	453.64	0	1	1.5	0	1.14	3.63	185.13	0.58	120.94	28.72	0.76	93.95	0.43
132	15.59	438.23	0	1	1.6	0	1.06	3.65	172.54	0.58	120.94	28.72	0.76	93.95	0.43
133	14.84	427.15	0	1	1.74	0	1.03	3.56	160.1	0.58	120.94	28.72	0.76	93.95	0.43
134	14.07	417.28	0	1	1.84	0	0.98	3.55	151.47	0.58	120.94	28.72	0.76	93.95	0.43
135	14.14	417.15	0	1	1.95	0	1	3.4	145.61	0.58	120.94	28.72	0.76	93.95	0.43
136	14.54	425.38	0	1	1.83	0	1.03	3.48	153.46	0.58	120.94	28.72	0.76	93.95	0.43
137	15.99	443.35	0	1	1.81	0	1.16	3.29	159.27	0.58	120.94	28.72	0.76	93.95	0.43
138	17.72	465.86	0	1	1.72	0	1.3	3.17	170.07	0.58	120.94	28.72	0.76	93.95	0.43
139	19.29	488.2	0	1	1.56	0	1.42	3.21	187.89	0.58	120.94	28.72	0.76	93.95	0.43
140	19.41	496.58	0	1	1.4	0	1.41	3.46	203.54	0.58	120.94	28.72	0.76	93.95	0.43
141	18.08	491.39	0	1	1.25	0	1.28	3.96	217.02	0.58	120.94	28.72	0.76	93.95	0.43
142	0	517.94	-0.17	0	0	0	0.23	2.3	166	0.85	120.94	28.72	0.76	93.95	0.43
143	0	557.04	-0.15	0	0	0	0.23	1.4	145.97	0.82	120.94	28.72	0.76	93.95	0.43
144	0	585.57	-0.17	0	0	0	0.23	1.24	163.39	0.84	120.94	28.72	0.76	93.95	0.43
145	0	616.06	-0.19	0	0	0	0.24	1.2	181.96	0.87	120.94	28.72	0.76	93.95	0.43
146	0	637.88	-0.19	0	0	0	0.25	1.16	193.96	0.88	120.94	28.72	0.76	93.95	0.43
147	0	661.54	-0.2	0	0	0	0.25	1.06	199.53	0.89	120.94	28.72	0.76	93.95	0.43
148	0	672.57	-0.2	0	0	0	0.25	1	204.46	0.89	120.94	28.72	0.76	93.95	0.43
149	0	679.26	-0.21	0	0	0	0.26	1	208.3	0.9	120.94	28.72	0.76	93.95	0.43
150	0	678.58	-0.2	0	0	0	0.26	1.01	201.88	0.89	120.94	28.72	0.76	93.95	0.43
151	0	673.12	-0.21	0	0	0	0.26	1.1	208.32	0.9	120.94	28.72	0.76	93.95	0.43
152	0	672.33	-0.21	0	0	0	0.26	1.19	210.93	0.9	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
153	0	668	-0.2	0	0	0	0.26	1.23	205.73	0.89	120.94	28.72	0.76	93.95	0.43
154	0	656.83	-0.2	0	0	0	0.26	1.28	195.04	0.88	120.94	28.72	0.76	93.95	0.43
155	0	644.28	-0.19	0	0	0	0.26	1.33	184.78	0.87	120.94	28.72	0.76	93.95	0.43
156	0	637.45	-0.18	0	0	0	0.26	1.36	180.17	0.86	120.94	28.72	0.76	93.95	0.43
157	0	629.59	-0.18	0	0	0	0.26	1.39	175.55	0.86	120.94	28.72	0.76	93.95	0.43
158	0	620.96	-0.18	0	0	0	0.26	1.41	170.33	0.85	120.94	28.72	0.76	93.95	0.43
159	0	610.46	-0.17	0	0	0	0.26	1.45	165.27	0.85	120.94	28.72	0.76	93.95	0.43
160	0	599.5	-0.17	0	0	0	0.26	1.5	160.74	0.84	120.94	28.72	0.76	93.95	0.43
161	0	590.62	-0.17	0	0	0	0.26	1.56	157.59	0.84	120.94	28.72	0.76	93.95	0.43
162	0	583.77	-0.16	0	0	0	0.26	1.63	156.54	0.84	120.94	28.72	0.76	93.95	0.43
163	0	581.03	-0.16	0	0	0	0.26	1.66	155.56	0.83	120.94	28.72	0.76	93.95	0.43
164	0	591.36	-0.17	0	0	0	0.26	1.61	158.4	0.84	120.94	28.72	0.76	93.95	0.43
165	0	594.23	-0.17	0	0	0	0.27	1.67	162.24	0.84	120.94	28.72	0.76	93.95	0.43
166	0	593.01	-0.18	0	0	0	0.27	1.85	170.2	0.85	120.94	28.72	0.76	93.95	0.43
167	25.27	572.18	0	1	1.8	0	2.28	2.42	185.28	0.58	120.94	28.72	0.76	93.95	0.43
168	25.77	574.08	0	1	1.88	0	2.35	2.32	180.85	0.58	120.94	28.72	0.76	93.95	0.43
169	0	596.57	-0.17	0	0	0	0.28	1.76	165.11	0.85	120.94	28.72	0.76	93.95	0.43
170	0	619.48	-0.17	0	0	0	0.28	1.45	162.89	0.84	120.94	28.72	0.76	93.95	0.43
171	0	628.96	-0.17	0	0	0	0.28	1.34	166.06	0.85	120.94	28.72	0.76	93.95	0.43
172	0	628.15	-0.17	0	0	0	0.28	1.31	165.52	0.85	120.94	28.72	0.76	93.95	0.43
173	0	626.45	-0.17	0	0	0	0.28	1.27	166.54	0.85	120.94	28.72	0.76	93.95	0.43
174	0	616.09	-0.17	0	0	0	0.28	1.24	162.41	0.84	120.94	28.72	0.76	93.95	0.43
175	0	601.7	-0.16	0	0	0	0.28	1.21	155.75	0.83	120.94	28.72	0.76	93.95	0.43
176	0	584.11	-0.16	0	0	0	0.28	1.18	147.01	0.82	120.94	28.72	0.76	93.95	0.43
177	0	576.37	-0.15	0	0	0	0.28	1.15	142.46	0.82	120.94	28.72	0.76	93.95	0.43
178	0	570.53	-0.15	0	0	0	0.28	1.1	137.47	0.81	120.94	28.72	0.76	93.95	0.43
179	0	567.79	-0.14	0	0	0	0.28	1.07	133.99	0.8	120.94	28.72	0.76	93.95	0.43
180	0	568.1	-0.14	0	0	0	0.28	1.06	132.76	0.8	120.94	28.72	0.76	93.95	0.43
181	0	570.84	-0.14	0	0	0	0.28	1.05	133.46	0.8	120.94	28.72	0.76	93.95	0.43
182	0	568.79	-0.14	0	0	0	0.28	1.05	132.47	0.8	120.94	28.72	0.76	93.95	0.43
183	0	570.56	-0.14	0	0	0	0.28	1.07	133.59	0.8	120.94	28.72	0.76	93.95	0.43
184	0	576.25	-0.15	0	0	0	0.29	1.12	138.64	0.81	120.94	28.72	0.76	93.95	0.43
185	0	587.04	-0.15	0	0	0	0.29	1.17	144.52	0.82	120.94	28.72	0.76	93.95	0.43
186	0	593.36	-0.16	0	0	0	0.29	1.2	146.91	0.82	120.94	28.72	0.76	93.95	0.43
187	0	597.87	-0.16	0	0	0	0.3	1.2	148.87	0.83	120.94	28.72	0.76	93.95	0.43
188	0	598.45	-0.16	0	0	0	0.3	1.19	148.71	0.83	120.94	28.72	0.76	93.95	0.43
189	0	596.72	-0.16	0	0	0	0.3	1.17	147.61	0.82	120.94	28.72	0.76	93.95	0.43
190	0	591.39	-0.15	0	0	0	0.3	1.16	144.67	0.82	120.94	28.72	0.76	93.95	0.43

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
191	0	582.62	-0.15	0	0	0	0.3	1.13	139.09	0.81	120.94	28.72	0.76	93.95	0.43
192	0	573.34	-0.14	0	0	0	0.3	1.06	131.17	0.8	120.94	28.72	0.76	93.95	0.43
193	0	563.92	-0.13	0	0	0	0.29	1	126.35	0.79	120.94	28.72	0.76	93.95	0.43
194	0	562.06	-0.14	0	0	0	0.3	1	129.4	0.8	120.94	28.72	0.76	93.95	0.43
195	0	563.27	-0.14	0	0	0	0.3	1	131.92	0.8	120.94	28.72	0.76	93.95	0.43
196	0	564.93	-0.14	0	0	0	0.3	1	132.06	0.8	120.94	28.72	0.76	93.95	0.43
197	0	567.7	-0.14	0	0	0	0.3	1	133.3	0.8	120.94	28.72	0.76	93.95	0.43
198	0	569.83	-0.14	0	0	0	0.31	1	132.99	0.8	120.94	28.72	0.76	93.95	0.43
199	0	577.18	-0.14	0	0	0	0.31	1	134.86	0.81	120.94	28.72	0.76	93.95	0.43
200	0	584.78	-0.14	0	0	0	0.31	1	135.55	0.81	120.94	28.72	0.76	93.95	0.43
201	0	592.12	-0.14	0	0	0	0.31	1	136.42	0.81	120.94	28.72	0.76	93.95	0.43
202	0	592.88	-0.14	0	0	0	0.31	1	136.05	0.81	120.94	28.72	0.76	93.95	0.43
203	0	592.37	-0.14	0	0	0	0.31	1	136.11	0.81	120.94	28.72	0.76	93.95	0.43
204	0	591.99	-0.14	0	0	0	0.32	1	136.33	0.81	120.94	28.72	0.76	93.95	0.43
205	0	592.5	-0.15	0	0	0	0.32	1	137.28	0.81	120.94	28.72	0.76	93.95	0.43
206	0	593.3	-0.15	0	0	0	0.32	1	137.36	0.81	120.94	28.72	0.76	93.95	0.43
207	0	592.66	-0.14	0	0	0	0.32	1	136.76	0.81	120.94	28.72	0.76	93.95	0.43
208	0	594.2	-0.14	0	0	0	0.32	1	136.43	0.81	120.94	28.72	0.76	93.95	0.43
209	0	594.54	-0.14	0	0	0	0.32	1	136.15	0.81	120.94	28.72	0.76	93.95	0.43
210	0	597.06	-0.15	0	0	0	0.33	1	137.09	0.81	120.94	28.72	0.76	93.95	0.43
211	0	598.67	-0.15	0	0	0	0.33	1	138.66	0.81	120.94	28.72	0.76	93.95	0.43
212	0	601.34	-0.15	0	0	0	0.33	1	139.99	0.81	120.94	28.72	0.76	93.95	0.43
213	0	605.31	-0.15	0	0	0	0.33	1	140.55	0.81	120.94	28.72	0.76	93.95	0.43
214	0	623.35	-0.15	0	0	0	0.34	1	141.78	0.82	120.94	28.72	0.76	93.95	0.43
215	0	653.84	-0.17	0	0	0	0.35	1.14	164.95	0.85	120.94	28.72	0.76	93.95	0.43
216	0	685.21	-0.18	0	0	0	0.36	1.21	180	0.86	120.94	28.72	0.76	93.95	0.43
217	0	708.5	-0.19	0	0	0	0.36	1.25	188.57	0.87	120.94	28.72	0.76	93.95	0.43
218	0	734.14	-0.2	0	0	0	0.37	1.28	197.9	0.88	120.94	28.72	0.76	93.95	0.43
219	0	751.15	-0.2	0	0	0	0.38	1.3	205.16	0.89	120.94	28.72	0.76	93.95	0.43
220	0	768.25	-0.21	0	0	0	0.38	1.28	216.39	0.9	120.94	28.72	0.76	93.95	0.43
221	0	773.43	-0.22	0	0	0	0.39	1.23	224.63	0.91	120.94	28.72	0.76	93.95	0.43
222	0	763.44	-0.21	0	0	0	0.39	1.22	219.59	0.91	120.94	28.72	0.76	93.95	0.43
223	0	748.02	-0.21	0	0	0	0.38	1.23	208.73	0.9	120.94	28.72	0.76	93.95	0.43
224	0	728.48	-0.2	0	0	0	0.38	1.26	194.28	0.88	120.94	28.72	0.76	93.95	0.43
225	0	726.99	-0.19	0	0	0	0.38	1.26	193.59	0.88	120.94	28.72	0.76	93.95	0.43
226	0	719.43	-0.19	0	0	0	0.38	1.24	190.97	0.88	120.94	28.72	0.76	93.95	0.43
227	0	699.74	-0.19	0	0	0	0.38	1.19	183.5	0.87	120.94	28.72	0.76	93.95	0.43
228	0	671.34	-0.17	0	0	0	0.37	1.09	166.42	0.85	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
229	0	651	-0.16	0	0	0	0.37	1	153.59	0.83	120.94	28.72	0.76	93.95	0.43
230	0	649.79	-0.16	0	0	0	0.37	1	155.37	0.83	120.94	28.72	0.76	93.95	0.43
231	0	657.65	-0.16	0	0	0	0.37	1	156.84	0.84	120.94	28.72	0.76	93.95	0.43
232	0	667.12	-0.16	0	0	0	0.37	1	155.97	0.83	120.94	28.72	0.76	93.95	0.43
233	0	675.74	-0.17	0	0	0	0.38	1.06	165.2	0.85	120.94	28.72	0.76	93.95	0.43
234	0	680.39	-0.18	0	0	0	0.38	1.1	169.54	0.85	120.94	28.72	0.76	93.95	0.43
235	0	684.84	-0.18	0	0	0	0.39	1.12	172.2	0.86	120.94	28.72	0.76	93.95	0.43
236	0	688.4	-0.18	0	0	0	0.39	1.13	173.66	0.86	120.94	28.72	0.76	93.95	0.43
237	0	691.56	-0.18	0	0	0	0.39	1.13	175.31	0.86	120.94	28.72	0.76	93.95	0.43
238	0	693.14	-0.18	0	0	0	0.39	1.14	175.86	0.86	120.94	28.72	0.76	93.95	0.43
239	0	697	-0.18	0	0	0	0.4	1.16	177.69	0.86	120.94	28.72	0.76	93.95	0.43
240	0	700.62	-0.18	0	0	0	0.4	1.17	178.95	0.86	120.94	28.72	0.76	93.95	0.43
241	0	703.06	-0.18	0	0	0	0.4	1.18	179.78	0.86	120.94	28.72	0.76	93.95	0.43
242	0	704.31	-0.18	0	0	0	0.4	1.17	179.99	0.86	120.94	28.72	0.76	93.95	0.43
243	0	705.26	-0.18	0	0	0	0.4	1.15	180.17	0.86	120.94	28.72	0.76	93.95	0.43
244	0	711.1	-0.19	0	0	0	0.41	1.14	182.65	0.87	120.94	28.72	0.76	93.95	0.43
245	0	720.53	-0.19	0	0	0	0.41	1.12	186.52	0.87	120.94	28.72	0.76	93.95	0.43
246	0	724.95	-0.19	0	0	0	0.41	1.15	189.14	0.87	120.94	28.72	0.76	93.95	0.43
247	0	730.79	-0.19	0	0	0	0.42	1.12	191.25	0.88	120.94	28.72	0.76	93.95	0.43
248	0	730.52	-0.19	0	0	0	0.41	1.04	185	0.87	120.94	28.72	0.76	93.95	0.43
249	0	727.36	-0.19	0	0	0	0.42	1	191.28	0.88	120.94	28.72	0.76	93.95	0.43
250	0	738.42	-0.2	0	0	0	0.43	1	201.66	0.89	120.94	28.72	0.76	93.95	0.43
251	0	763.93	-0.2	0	0	0	0.43	1	206.09	0.89	120.94	28.72	0.76	93.95	0.43
252	0	793.35	-0.21	0	0	0	0.44	1	213.94	0.9	120.94	28.72	0.76	93.95	0.43
253	0	810.23	-0.21	0	0	0	0.44	1.02	223.06	0.91	120.94	28.72	0.76	93.95	0.43
254	0	820.62	-0.22	0	0	0	0.45	1	227.62	0.91	120.94	28.72	0.76	93.95	0.43
255	0	822.91	-0.22	0	0	0	0.45	1.04	231.62	0.92	120.94	28.72	0.76	93.95	0.43
256	0	812.93	-0.22	0	0	0	0.45	1.15	232.92	0.92	120.94	28.72	0.76	93.95	0.43
257	0	794.84	-0.21	0	0	0	0.45	1.22	218.27	0.91	120.94	28.72	0.76	93.95	0.43
258	0	778.08	-0.2	0	0	0	0.44	1.24	206.33	0.89	120.94	28.72	0.76	93.95	0.43
259	0	747.04	-0.2	0	0	0	0.44	1.2	194.07	0.88	120.94	28.72	0.76	93.95	0.43
260	0	706.63	-0.18	0	0	0	0.43	1.14	174.17	0.86	120.94	28.72	0.76	93.95	0.43
261	0	660.72	-0.15	0	0	0	0.41	1.01	145.6	0.82	120.94	28.72	0.76	93.95	0.43
262	0	640.46	-0.14	0	0	0	0.41	1.01	136.19	0.81	120.94	28.72	0.76	93.95	0.43
263	0	629.19	-0.14	0	0	0	0.41	1.04	133.09	0.8	120.94	28.72	0.76	93.95	0.43
264	0	623	-0.14	0	0	0	0.41	1.1	133.36	0.8	120.94	28.72	0.76	93.95	0.43
265	0	618.71	-0.14	0	0	0	0.41	1.14	132.15	0.8	120.94	28.72	0.76	93.95	0.43
266	0	614.48	-0.14	0	0	0	0.41	1.17	130.2	0.8	120.94	28.72	0.76	93.95	0.43

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
267	0	613.27	-0.14	0	0	0	0.41	1.19	128.96	0.8	120.94	28.72	0.76	93.95	0.43
268	0	613.88	-0.14	0	0	0	0.41	1.21	128.07	0.8	120.94	28.72	0.76	93.95	0.43
269	0	616.17	-0.14	0	0	0	0.41	1.23	127.71	0.79	120.94	28.72	0.76	93.95	0.43
270	0	618	-0.13	0	0	0	0.41	1.24	126.94	0.79	120.94	28.72	0.76	93.95	0.43
271	0	619.28	-0.13	0	0	0	0.41	1.25	126.32	0.79	120.94	28.72	0.76	93.95	0.43
272	0	620.02	-0.13	0	0	0	0.41	1.26	125.76	0.79	120.94	28.72	0.76	93.95	0.43
273	0	620.17	-0.13	0	0	0	0.41	1.26	125.22	0.79	120.94	28.72	0.76	93.95	0.43
274	0	618.71	-0.13	0	0	0	0.42	1.26	124.3	0.79	120.94	28.72	0.76	93.95	0.43
275	0	615.02	-0.13	0	0	0	0.42	1.26	122.72	0.79	120.94	28.72	0.76	93.95	0.43
276	0	610.42	-0.13	0	0	0	0.42	1.26	120.68	0.78	120.94	28.72	0.76	93.95	0.43
277	0	607.19	-0.12	0	0	0	0.42	1.26	118.87	0.78	120.94	28.72	0.76	93.95	0.43
278	0	606.37	-0.12	0	0	0	0.42	1.27	117.67	0.78	120.94	28.72	0.76	93.95	0.43
279	0	606.05	-0.12	0	0	0	0.42	1.28	117	0.78	120.94	28.72	0.76	93.95	0.43
280	0	596.91	-0.12	0	0	0	0.42	1.26	114.29	0.77	120.94	28.72	0.76	93.95	0.43
281	0	582.38	-0.11	0	0	0	0.41	1.24	110.53	0.77	120.94	28.72	0.76	93.95	0.43
282	0	563.74	-0.11	0	0	0	0.41	1.19	105.78	0.76	120.94	28.72	0.76	93.95	0.43
283	0	550.22	-0.1	0	0	0	0.41	1.12	100.84	0.75	120.94	28.72	0.76	93.95	0.43
284	0	538.46	-0.09	0	0	0	0.4	1.07	94.86	0.74	120.94	28.72	0.76	93.95	0.43
285	0	531.03	-0.09	0	0	0	0.4	1.04	91.06	0.73	120.94	28.72	0.76	93.95	0.43
286	0	531.7	-0.09	0	0	0	0.4	1.09	92.89	0.73	120.94	28.72	0.76	93.95	0.43
287	0	538.34	-0.09	0	0	0	0.41	1.15	95.94	0.74	120.94	28.72	0.76	93.95	0.43
288	0	548.52	-0.1	0	0	0	0.41	1.2	98.47	0.75	120.94	28.72	0.76	93.95	0.43
289	0	557.04	-0.1	0	0	0	0.42	1.23	99.69	0.75	120.94	28.72	0.76	93.95	0.43
290	0	566.06	-0.1	0	0	0	0.42	1.26	101.21	0.75	120.94	28.72	0.76	93.95	0.43
291	0	577.08	-0.1	0	0	0	0.42	1.28	103.37	0.75	120.94	28.72	0.76	93.95	0.43
292	0	587.23	-0.11	0	0	0	0.43	1.3	105.34	0.76	120.94	28.72	0.76	93.95	0.43
293	0	594.36	-0.11	0	0	0	0.43	1.31	106.96	0.76	120.94	28.72	0.76	93.95	0.43
294	0	601.79	-0.11	0	0	0	0.43	1.32	108.94	0.76	120.94	28.72	0.76	93.95	0.43
295	0	610.22	-0.12	0	0	0	0.44	1.33	111.51	0.77	120.94	28.72	0.76	93.95	0.43
296	0	622.12	-0.13	0	0	0	0.44	1.27	119.94	0.78	120.94	28.72	0.76	93.95	0.43
297	0	626.65	-0.13	0	0	0	0.45	1.21	125.78	0.79	120.94	28.72	0.76	93.95	0.43
298	0	633.64	-0.14	0	0	0	0.46	1.12	129.99	0.8	120.94	28.72	0.76	93.95	0.43
299	0	639.78	-0.14	0	0	0	0.46	1.09	131.45	0.8	120.94	28.72	0.76	93.95	0.43
300	0	652.8	-0.14	0	0	0	0.47	1.07	135.45	0.81	120.94	28.72	0.76	93.95	0.43
301	0	663.76	-0.15	0	0	0	0.47	1.07	140.14	0.81	120.94	28.72	0.76	93.95	0.43
302	0	677.64	-0.16	0	0	0	0.48	1.09	146.81	0.82	120.94	28.72	0.76	93.95	0.43
303	0	685.71	-0.16	0	0	0	0.48	1.11	150.61	0.83	120.94	28.72	0.76	93.95	0.43
304	0	689.74	-0.16	0	0	0	0.48	1.13	152.55	0.83	120.94	28.72	0.76	93.95	0.43

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
305	0	691.82	-0.16	0	0	0	0.49	1.16	153.38	0.83	120.94	28.72	0.76	93.95	0.43
306	0	709.78	-0.17	0	0	0	0.49	1.2	159.29	0.84	120.94	28.72	0.76	93.95	0.43
307	0	731.66	-0.17	0	0	0	0.5	1.23	166.8	0.85	120.94	28.72	0.76	93.95	0.43
308	0	760.28	-0.18	0	0	0	0.51	1.24	177.69	0.86	120.94	28.72	0.76	93.95	0.43
309	0	781.3	-0.19	0	0	0	0.52	1.24	188.29	0.87	120.94	28.72	0.76	93.95	0.43
310	0	795.47	-0.2	0	0	0	0.53	1.21	197.78	0.88	120.94	28.72	0.76	93.95	0.43
311	0	802.32	-0.2	0	0	0	0.53	1.17	203.64	0.89	120.94	28.72	0.76	93.95	0.43
312	0	802.48	-0.2	0	0	0	0.53	1.09	202.3	0.89	120.94	28.72	0.76	93.95	0.43
313	0	800.37	-0.19	0	0	0	0.53	1	193.9	0.88	120.94	28.72	0.76	93.95	0.43
314	0	785.66	-0.19	0	0	0	0.53	1	191.06	0.88	120.94	28.72	0.76	93.95	0.43
315	0	762.97	-0.19	0	0	0	0.53	1	183.72	0.87	120.94	28.72	0.76	93.95	0.43
316	0	741.69	-0.18	0	0	0	0.52	1	172.47	0.86	120.94	28.72	0.76	93.95	0.43
317	0	731.73	-0.17	0	0	0	0.52	1	167.33	0.85	120.94	28.72	0.76	93.95	0.43
318	0	730.3	-0.17	0	0	0	0.52	1	164.3	0.85	120.94	28.72	0.76	93.95	0.43
319	0	745.4	-0.18	0	0	0	0.52	1.04	169.21	0.85	120.94	28.72	0.76	93.95	0.43
320	0	758.82	-0.18	0	0	0	0.53	1.11	179.05	0.86	120.94	28.72	0.76	93.95	0.43
321	0	768.61	-0.19	0	0	0	0.54	1.15	184.15	0.87	120.94	28.72	0.76	93.95	0.43
322	0	760.71	-0.18	0	0	0	0.54	1.13	179.79	0.86	120.94	28.72	0.76	93.95	0.43
323	0	752.09	-0.18	0	0	0	0.53	1.08	173.71	0.86	120.94	28.72	0.76	93.95	0.43
324	0	750.83	-0.18	0	0	0	0.53	1.04	170.62	0.85	120.94	28.72	0.76	93.95	0.43
325	0	765.31	-0.18	0	0	0	0.54	1.04	176.89	0.86	120.94	28.72	0.76	93.95	0.43
326	0	787.37	-0.19	0	0	0	0.55	1	187.33	0.87	120.94	28.72	0.76	93.95	0.43
327	0	804.61	-0.2	0	0	0	0.56	1	206.2	0.89	120.94	28.72	0.76	93.95	0.43
328	0	811.23	-0.21	0	0	0	0.57	1	217.48	0.9	120.94	28.72	0.76	93.95	0.43
329	0	805.3	-0.21	0	0	0	0.57	1	211.69	0.9	120.94	28.72	0.76	93.95	0.43
330	0	792.26	-0.2	0	0	0	0.56	1	195.72	0.88	120.94	28.72	0.76	93.95	0.43
331	0	775.22	-0.19	0	0	0	0.55	1	181.29	0.87	120.94	28.72	0.76	93.95	0.43
332	0	757.06	-0.18	0	0	0	0.54	1.02	169.51	0.85	120.94	28.72	0.76	93.95	0.43
333	0	740.19	-0.17	0	0	0	0.54	1.05	163.85	0.84	120.94	28.72	0.76	93.95	0.43
334	0	721.86	-0.16	0	0	0	0.54	1.07	157.08	0.84	120.94	28.72	0.76	93.95	0.43
335	0	710.16	-0.16	0	0	0	0.53	1.11	153.23	0.83	120.94	28.72	0.76	93.95	0.43
336	0	700.45	-0.16	0	0	0	0.53	1.14	149.07	0.83	120.94	28.72	0.76	93.95	0.43
337	0	690.82	-0.15	0	0	0	0.53	1.14	144.85	0.82	120.94	28.72	0.76	93.95	0.43
338	0	683.29	-0.15	0	0	0	0.53	1.11	141.17	0.81	120.94	28.72	0.76	93.95	0.43
339	0	681.08	-0.15	0	0	0	0.53	1.06	138.13	0.81	120.94	28.72	0.76	93.95	0.43
340	0	684.45	-0.14	0	0	0	0.53	1.01	136.46	0.81	120.94	28.72	0.76	93.95	0.43
341	0	687.53	-0.15	0	0	0	0.53	1	138.7	0.81	120.94	28.72	0.76	93.95	0.43
342	0	691.39	-0.15	0	0	0	0.54	1	144.21	0.82	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
343	0	702.22	-0.16	0	0	0	0.55	1	154.77	0.83	120.94	28.72	0.76	93.95	0.43
344	0	719.3	-0.17	0	0	0	0.56	1	166.06	0.85	120.94	28.72	0.76	93.95	0.43
345	0	736.92	-0.17	0	0	0	0.56	1	167.82	0.85	120.94	28.72	0.76	93.95	0.43
346	0	743.35	-0.17	0	0	0	0.56	1	158.19	0.84	120.94	28.72	0.76	93.95	0.43
347	0	743.81	-0.17	0	0	0	0.56	1.09	164.25	0.85	120.94	28.72	0.76	93.95	0.43
348	0	743.09	-0.17	0	0	0	0.57	1.12	164.57	0.85	120.94	28.72	0.76	93.95	0.43
349	0	745.13	-0.17	0	0	0	0.57	1.14	165.21	0.85	120.94	28.72	0.76	93.95	0.43
350	0	747.3	-0.17	0	0	0	0.57	1.19	164.61	0.85	120.94	28.72	0.76	93.95	0.43
351	0	749.3	-0.17	0	0	0	0.57	1.23	161.21	0.84	120.94	28.72	0.76	93.95	0.43
352	0	751.54	-0.17	0	0	0	0.57	1.26	158.3	0.84	120.94	28.72	0.76	93.95	0.43
353	0	750.27	-0.16	0	0	0	0.57	1.26	157.14	0.84	120.94	28.72	0.76	93.95	0.43
354	0	745.74	-0.16	0	0	0	0.57	1.26	155.72	0.83	120.94	28.72	0.76	93.95	0.43
355	0	738.05	-0.16	0	0	0	0.57	1.24	154.08	0.83	120.94	28.72	0.76	93.95	0.43
356	0	722.05	-0.16	0	0	0	0.56	1.22	149.68	0.83	120.94	28.72	0.76	93.95	0.43
357	0	703.8	-0.15	0	0	0	0.56	1.18	144.58	0.82	120.94	28.72	0.76	93.95	0.43
358	0	685.33	-0.15	0	0	0	0.56	1.14	137.88	0.81	120.94	28.72	0.76	93.95	0.43
359	0	682.8	-0.14	0	0	0	0.56	1.12	136.45	0.81	120.94	28.72	0.76	93.95	0.43
360	0	688.59	-0.15	0	0	0	0.56	1.13	138.71	0.81	120.94	28.72	0.76	93.95	0.43
361	0	701.93	-0.15	0	0	0	0.57	1.15	143.98	0.82	120.94	28.72	0.76	93.95	0.43
362	0	717.28	-0.16	0	0	0	0.57	1.17	149.65	0.83	120.94	28.72	0.76	93.95	0.43
363	0	732.08	-0.16	0	0	0	0.58	1.2	154.41	0.83	120.94	28.72	0.76	93.95	0.43
364	0	755.34	-0.17	0	0	0	0.59	1.24	159.67	0.84	120.94	28.72	0.76	93.95	0.43
365	0	791.5	-0.17	0	0	0	0.6	1.3	166.87	0.85	120.94	28.72	0.76	93.95	0.43
366	0	832.79	-0.18	0	0	0	0.61	1.4	178.05	0.86	120.94	28.72	0.76	93.95	0.43
367	0	863.02	-0.19	0	0	0	0.62	1.5	190.83	0.88	120.94	28.72	0.76	93.95	0.43
368	0	877.3	-0.2	0	0	0	0.63	1.57	198.36	0.89	120.94	28.72	0.76	93.95	0.43
369	0	884.63	-0.2	0	0	0	0.63	1.6	202.37	0.89	120.94	28.72	0.76	93.95	0.43
370	0	908.3	-0.21	0	0	0	0.64	1.48	209.75	0.9	120.94	28.72	0.76	93.95	0.43
371	0	934.84	-0.22	0	0	0	0.65	1.33	226.02	0.91	120.94	28.72	0.76	93.95	0.43
372	0	965.34	-0.24	0	0	0	0.68	1.22	260.6	0.95	120.94	28.72	0.76	93.95	0.43
373	0	971.97	-0.24	0	0	0	0.68	1.17	270.03	0.95	120.94	28.72	0.76	93.95	0.43
374	0	977.77	-0.24	0	0	0	0.69	1.18	272.06	0.96	120.94	28.72	0.76	93.95	0.43
375	0	997.26	-0.24	0	0	0	0.69	1.24	272.7	0.96	120.94	28.72	0.76	93.95	0.43
376	0	996.9	-0.24	0	0	0	0.68	1.3	258.91	0.94	120.94	28.72	0.76	93.95	0.43
377	0	1003.12	-0.24	0	0	0	0.69	1.3	262.64	0.95	120.94	28.72	0.76	93.95	0.43
378	0	992	-0.24	0	0	0	0.69	1.26	263.05	0.95	120.94	28.72	0.76	93.95	0.43
379	0	1019.95	-0.26	0	0	0	0.71	1.15	295.94	0.97	120.94	28.72	0.76	93.95	0.43
380	0	1061.93	-0.26	0	0	0	0.72	1	314.44	0.99	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
381	0	1103.48	-0.29	0	0	0	0.76	1	375.37	1.03	120.94	28.72	0.76	93.95	0.43
382	0	1128.05	-0.3	0	0	0	0.77	1	409.1	1.05	120.94	28.72	0.76	93.95	0.43
383	0	1114.38	-0.29	0	0	0	0.76	1	371.47	1.03	120.94	28.72	0.76	93.95	0.43
384	0	1081.22	-0.27	0	0	0	0.74	1.09	327.99	1	120.94	28.72	0.76	93.95	0.43
385	0	1034.04	-0.25	0	0	0	0.71	1.26	284.81	0.97	120.94	28.72	0.76	93.95	0.43
386	0	1012.34	-0.24	0	0	0	0.7	1.29	264.52	0.95	120.94	28.72	0.76	93.95	0.43
387	0	999.23	-0.24	0	0	0	0.7	1.28	258.92	0.94	120.94	28.72	0.76	93.95	0.43
388	0	971.69	-0.23	0	0	0	0.7	1.24	254.8	0.94	120.94	28.72	0.76	93.95	0.43
389	0	927.85	-0.23	0	0	0	0.69	1.18	239.43	0.93	120.94	28.72	0.76	93.95	0.43
390	0	880.32	-0.21	0	0	0	0.68	1.1	216.23	0.9	120.94	28.72	0.76	93.95	0.43
391	0	855.04	-0.2	0	0	0	0.67	1.04	200.55	0.89	120.94	28.72	0.76	93.95	0.43
392	0	844.63	-0.19	0	0	0	0.66	1.01	192.78	0.88	120.94	28.72	0.76	93.95	0.43
393	0	839.5	-0.19	0	0	0	0.66	0.99	187.9	0.87	120.94	28.72	0.76	93.95	0.43
394	0	839.98	-0.19	0	0	0	0.66	1	191.09	0.88	120.94	28.72	0.76	93.95	0.43
395	0	843.18	-0.19	0	0	0	0.67	1	192.42	0.88	120.94	28.72	0.76	93.95	0.43
396	0	847.76	-0.19	0	0	0	0.67	1	191.78	0.88	120.94	28.72	0.76	93.95	0.43
397	0	853.77	-0.2	0	0	0	0.67	1.02	196.45	0.88	120.94	28.72	0.76	93.95	0.43
398	0	858.05	-0.2	0	0	0	0.68	1.05	200.4	0.89	120.94	28.72	0.76	93.95	0.43
399	0	860.91	-0.2	0	0	0	0.68	1.06	202.27	0.89	120.94	28.72	0.76	93.95	0.43
400	0	862.19	-0.2	0	0	0	0.68	1.07	203.17	0.89	120.94	28.72	0.76	93.95	0.43
401	0	863.46	-0.2	0	0	0	0.69	1.06	203.19	0.89	120.94	28.72	0.76	93.95	0.43
402	0	870.49	-0.2	0	0	0	0.69	1.05	205.31	0.89	120.94	28.72	0.76	93.95	0.43
403	0	881.41	-0.21	0	0	0	0.69	1.05	209.74	0.9	120.94	28.72	0.76	93.95	0.43
404	0	895.76	-0.21	0	0	0	0.7	1.06	217.22	0.9	120.94	28.72	0.76	93.95	0.43
405	0	918.25	-0.22	0	0	0	0.71	1.1	230.57	0.92	120.94	28.72	0.76	93.95	0.43
406	0	943.15	-0.23	0	0	0	0.73	1.13	243.61	0.93	120.94	28.72	0.76	93.95	0.43
407	0	971.92	-0.24	0	0	0	0.74	1.15	258.28	0.94	120.94	28.72	0.76	93.95	0.43
408	0	989.32	-0.24	0	0	0	0.75	1.14	267.18	0.95	120.94	28.72	0.76	93.95	0.43
409	0	1001.06	-0.24	0	0	0	0.75	1.13	273.35	0.96	120.94	28.72	0.76	93.95	0.43
410	0	1002.43	-0.24	0	0	0	0.75	1.13	273.85	0.96	120.94	28.72	0.76	93.95	0.43
411	0	998.06	-0.24	0	0	0	0.75	1.14	271.06	0.95	120.94	28.72	0.76	93.95	0.43
412	0	985.63	-0.24	0	0	0	0.75	1.14	263.93	0.95	120.94	28.72	0.76	93.95	0.43
413	0	971.77	-0.23	0	0	0	0.75	1.14	256.06	0.94	120.94	28.72	0.76	93.95	0.43
414	0	956.31	-0.23	0	0	0	0.74	1.13	247.87	0.93	120.94	28.72	0.76	93.95	0.43
415	0	949.28	-0.23	0	0	0	0.74	1.14	243.85	0.93	120.94	28.72	0.76	93.95	0.43
416	0	943.87	-0.23	0	0	0	0.74	1.14	240.61	0.93	120.94	28.72	0.76	93.95	0.43
417	0	942.92	-0.23	0	0	0	0.74	1.12	239.84	0.93	120.94	28.72	0.76	93.95	0.43
418	0	953.41	-0.23	0	0	0	0.75	1.07	242.89	0.93	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
419	0	970.95	-0.23	0	0	0	0.75	1.02	246.38	0.93	120.94	28.72	0.76	93.95	0.43
420	0	1001.35	-0.24	0	0	0	0.77	1	264.52	0.95	120.94	28.72	0.76	93.95	0.43
421	0	1021.42	-0.25	0	0	0	0.78	1	279.89	0.96	120.94	28.72	0.76	93.95	0.43
422	0	1038.15	-0.25	0	0	0	0.79	1	292.42	0.97	120.94	28.72	0.76	93.95	0.43
423	0	1045.89	-0.26	0	0	0	0.79	1	295.86	0.97	120.94	28.72	0.76	93.95	0.43
424	0	1052.49	-0.26	0	0	0	0.79	1	295.35	0.97	120.94	28.72	0.76	93.95	0.43
425	0	1056.26	-0.25	0	0	0	0.79	1	293.27	0.97	120.94	28.72	0.76	93.95	0.43
426	0	1055.82	-0.25	0	0	0	0.79	1	288.55	0.97	120.94	28.72	0.76	93.95	0.43
427	0	1056.29	-0.25	0	0	0	0.79	1.01	288.12	0.97	120.94	28.72	0.76	93.95	0.43
428	0	1056.58	-0.25	0	0	0	0.8	1.05	292.26	0.97	120.94	28.72	0.76	93.95	0.43
429	0	1052.56	-0.25	0	0	0	0.8	1.09	293.16	0.97	120.94	28.72	0.76	93.95	0.43
430	0	1042.8	-0.25	0	0	0	0.8	1.12	288.32	0.97	120.94	28.72	0.76	93.95	0.43
431	0	1021.33	-0.25	0	0	0	0.79	1.14	276.42	0.96	120.94	28.72	0.76	93.95	0.43
432	0	990.45	-0.24	0	0	0	0.78	1.14	259.67	0.94	120.94	28.72	0.76	93.95	0.43
433	0	960.41	-0.23	0	0	0	0.77	1.14	243.67	0.93	120.94	28.72	0.76	93.95	0.43
434	0	935.21	-0.22	0	0	0	0.76	1.14	230.93	0.92	120.94	28.72	0.76	93.95	0.43
435	0	922.2	-0.22	0	0	0	0.76	1.13	224.12	0.91	120.94	28.72	0.76	93.95	0.43
436	0	907.34	-0.21	0	0	0	0.76	1.12	216.59	0.9	120.94	28.72	0.76	93.95	0.43
437	0	891.08	-0.21	0	0	0	0.75	1.11	208.47	0.9	120.94	28.72	0.76	93.95	0.43
438	0	879.81	-0.2	0	0	0	0.75	1.1	202.87	0.89	120.94	28.72	0.76	93.95	0.43
439	0	878.97	-0.2	0	0	0	0.75	1.13	202.63	0.89	120.94	28.72	0.76	93.95	0.43
440	0	919.6	-0.21	0	0	0	0.76	1.21	215.88	0.9	120.94	28.72	0.76	93.95	0.43
441	0	977.26	-0.22	0	0	0	0.78	1.29	227.8	0.92	120.94	28.72	0.76	93.95	0.43
442	0	1026.6	-0.23	0	0	0	0.79	1.36	241.05	0.93	120.94	28.72	0.76	93.95	0.43
443	0	1058.93	-0.23	0	0	0	0.8	1.41	252.85	0.94	120.94	28.72	0.76	93.95	0.43
444	0	1083.79	-0.24	0	0	0	0.81	1.42	264.26	0.95	120.94	28.72	0.76	93.95	0.43
445	0	1115.53	-0.25	0	0	0	0.82	1.34	284.72	0.97	120.94	28.72	0.76	93.95	0.43
446	0	1159.21	-0.27	0	0	0	0.86	1.23	336.23	1	120.94	28.72	0.76	93.95	0.43
447	0	1194.7	-0.29	0	0	0	0.88	1.07	367.11	1.03	120.94	28.72	0.76	93.95	0.43
448	0	1246.16	-0.31	0	0	0	0.91	1	418.25	1.06	120.94	28.72	0.76	93.95	0.43
449	0	1266.75	-0.31	0	0	0	0.91	1	418.59	1.06	120.94	28.72	0.76	93.95	0.43
450	0	1283.31	-0.31	0	0	0	0.92	1.08	423.34	1.06	120.94	28.72	0.76	93.95	0.43
451	0	1269.23	-0.3	0	0	0	0.91	1.22	402.26	1.05	120.94	28.72	0.76	93.95	0.43
452	0	1270.92	-0.29	0	0	0	0.9	1.28	382.55	1.04	120.94	28.72	0.76	93.95	0.43
453	0	1278.65	-0.29	0	0	0	0.91	1.27	389.38	1.04	120.94	28.72	0.76	93.95	0.43
454	0	1292.77	-0.3	0	0	0	0.92	1.23	411.32	1.05	120.94	28.72	0.76	93.95	0.43
455	0	1296.29	-0.31	0	0	0	0.93	1.18	428.31	1.07	120.94	28.72	0.76	93.95	0.43
456	0	1268.64	-0.3	0	0	0	0.92	1.13	413.34	1.06	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
457	0	1225.11	-0.29	0	0	0	0.91	1.06	381.1	1.04	120.94	28.72	0.76	93.95	0.43
458	0	1180.61	-0.28	0	0	0	0.89	1	353.2	1.02	120.94	28.72	0.76	93.95	0.43
459	0	1155.96	-0.28	0	0	0	0.9	1	354.08	1.02	120.94	28.72	0.76	93.95	0.43
460	0	1135.09	-0.28	0	0	0	0.9	1	357.17	1.02	120.94	28.72	0.76	93.95	0.43
461	0	1115.14	-0.28	0	0	0	0.9	1	351.26	1.02	120.94	28.72	0.76	93.95	0.43
462	0	1102.73	-0.28	0	0	0	0.89	1	341.14	1.01	120.94	28.72	0.76	93.95	0.43
463	0	1100.44	-0.27	0	0	0	0.89	1	332.17	1	120.94	28.72	0.76	93.95	0.43
464	0	1086.95	-0.27	0	0	0	0.89	1	327.13	1	120.94	28.72	0.76	93.95	0.43
465	0	1063.14	-0.27	0	0	0	0.89	1	327.05	1	120.94	28.72	0.76	93.95	0.43
466	0	1040	-0.27	0	0	0	0.9	1	332.9	1	120.94	28.72	0.76	93.95	0.43
467	0	1044.6	-0.28	0	0	0	0.91	1	351.61	1.02	120.94	28.72	0.76	93.95	0.43
468	0	1065.71	-0.29	0	0	0	0.93	1	373.19	1.03	120.94	28.72	0.76	93.95	0.43
469	0	1100.41	-0.3	0	0	0	0.94	1	401.61	1.05	120.94	28.72	0.76	93.95	0.43
470	0	1139.25	-0.3	0	0	0	0.95	1	414.39	1.06	120.94	28.72	0.76	93.95	0.43
471	0	1178.59	-0.31	0	0	0	0.97	1	431.96	1.07	120.94	28.72	0.76	93.95	0.43
472	0	1212.87	-0.31	0	0	0	0.98	1	447.38	1.08	120.94	28.72	0.76	93.95	0.43
473	0	1251.18	-0.32	0	0	0	0.99	1	461.1	1.08	120.94	28.72	0.76	93.95	0.43
474	0	1283.2	-0.32	0	0	0	0.99	1	459.57	1.08	120.94	28.72	0.76	93.95	0.43
475	0	1305.18	-0.31	0	0	0	0.98	1	445.5	1.08	120.94	28.72	0.76	93.95	0.43
476	0	1314.49	-0.31	0	0	0	0.98	1	432.87	1.07	120.94	28.72	0.76	93.95	0.43
477	0	1310	-0.31	0	0	0	0.97	1.01	418.04	1.06	120.94	28.72	0.76	93.95	0.43
478	0	1294.7	-0.3	0	0	0	0.97	1.08	416.58	1.06	120.94	28.72	0.76	93.95	0.43
479	0	1270.95	-0.3	0	0	0	0.97	1.12	403.42	1.05	120.94	28.72	0.76	93.95	0.43
480	0	1251.63	-0.29	0	0	0	0.96	1.16	389.61	1.04	120.94	28.72	0.76	93.95	0.43
481	0	1231.58	-0.29	0	0	0	0.95	1.18	374.4	1.03	120.94	28.72	0.76	93.95	0.43
482	0	1211.46	-0.28	0	0	0	0.94	1.2	358.58	1.02	120.94	28.72	0.76	93.95	0.43
483	0	1195.01	-0.28	0	0	0	0.94	1.2	347.35	1.01	120.94	28.72	0.76	93.95	0.43
484	0	1186.48	-0.28	0	0	0	0.94	1.2	341.58	1.01	120.94	28.72	0.76	93.95	0.43
485	0	1185.42	-0.28	0	0	0	0.94	1.2	341.69	1.01	120.94	28.72	0.76	93.95	0.43
486	0	1187.28	-0.28	0	0	0	0.94	1.2	342.82	1.01	120.94	28.72	0.76	93.95	0.43
487	0	1193.31	-0.28	0	0	0	0.95	1.2	345.25	1.01	120.94	28.72	0.76	93.95	0.43
488	0	1200.83	-0.28	0	0	0	0.95	1.21	347.43	1.01	120.94	28.72	0.76	93.95	0.43
489	0	1205.51	-0.28	0	0	0	0.95	1.21	348.59	1.01	120.94	28.72	0.76	93.95	0.43
490	0	1201.43	-0.28	0	0	0	0.95	1.21	345.8	1.01	120.94	28.72	0.76	93.95	0.43
491	0	1187.71	-0.28	0	0	0	0.95	1.21	339.26	1.01	120.94	28.72	0.76	93.95	0.43
492	0	1170.86	-0.27	0	0	0	0.95	1.19	332.23	1	120.94	28.72	0.76	93.95	0.43
493	0	1153.77	-0.27	0	0	0	0.94	1.17	324.36	1	120.94	28.72	0.76	93.95	0.43
494	0	1140.13	-0.27	0	0	0	0.94	1.15	318.45	0.99	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
495	0	1129.38	-0.26	0	0	0	0.94	1.13	312.65	0.99	120.94	28.72	0.76	93.95	0.43
496	0	1128.05	-0.26	0	0	0	0.94	1.09	310.93	0.99	120.94	28.72	0.76	93.95	0.43
497	0	1134.6	-0.26	0	0	0	0.94	1.07	312.48	0.99	120.94	28.72	0.76	93.95	0.43
498	0	1146.43	-0.27	0	0	0	0.95	1.05	316.98	0.99	120.94	28.72	0.76	93.95	0.43
499	0	1153.19	-0.27	0	0	0	0.95	1.04	319.84	0.99	120.94	28.72	0.76	93.95	0.43
500	0	1150.26	-0.27	0	0	0	0.95	1.07	319.93	0.99	120.94	28.72	0.76	93.95	0.43
501	0	1145.68	-0.27	0	0	0	0.95	1.06	316.42	0.99	120.94	28.72	0.76	93.95	0.43
502	0	1136	-0.26	0	0	0	0.95	1.04	309.33	0.99	120.94	28.72	0.76	93.95	0.43
503	0	1133.38	-0.26	0	0	0	0.94	0.99	300.65	0.98	120.94	28.72	0.76	93.95	0.43
504	0	1130.16	-0.26	0	0	0	0.95	1	305.52	0.98	120.94	28.72	0.76	93.95	0.43
505	0	1134.21	-0.26	0	0	0	0.96	1	312.35	0.99	120.94	28.72	0.76	93.95	0.43
506	0	1141.42	-0.27	0	0	0	0.96	1	319.82	0.99	120.94	28.72	0.76	93.95	0.43
507	0	1148.62	-0.26	0	0	0	0.96	1	314.12	0.99	120.94	28.72	0.76	93.95	0.43
508	0	1155.76	-0.26	0	0	0	0.96	1.01	314.56	0.99	120.94	28.72	0.76	93.95	0.43
509	0	1158.26	-0.27	0	0	0	0.97	1.06	320.87	0.99	120.94	28.72	0.76	93.95	0.43
510	0	1159.47	-0.27	0	0	0	0.97	1.05	320.67	0.99	120.94	28.72	0.76	93.95	0.43
511	0	1155.33	-0.27	0	0	0	0.97	1.06	318.28	0.99	120.94	28.72	0.76	93.95	0.43
512	0	1153.11	-0.27	0	0	0	0.97	1.07	317.62	0.99	120.94	28.72	0.76	93.95	0.43
513	0	1152.84	-0.26	0	0	0	0.97	1.04	314.81	0.99	120.94	28.72	0.76	93.95	0.43
514	0	1155.79	-0.27	0	0	0	0.98	1.06	317.22	0.99	120.94	28.72	0.76	93.95	0.43
515	0	1154.16	-0.27	0	0	0	0.98	1.08	318.12	0.99	120.94	28.72	0.76	93.95	0.43
516	0	1154.58	-0.27	0	0	0	0.98	1.13	319.01	0.99	120.94	28.72	0.76	93.95	0.43
517	0	1161	-0.27	0	0	0	0.99	1.15	321.68	0.99	120.94	28.72	0.76	93.95	0.43
518	0	1162.23	-0.27	0	0	0	0.99	1.15	322.13	0.99	120.94	28.72	0.76	93.95	0.43
519	0	1153.34	-0.27	0	0	0	0.99	1.14	316.89	0.99	120.94	28.72	0.76	93.95	0.43
520	0	1131.72	-0.26	0	0	0	0.98	1.12	305.34	0.98	120.94	28.72	0.76	93.95	0.43
521	0	1116.51	-0.26	0	0	0	0.98	1.14	296.69	0.98	120.94	28.72	0.76	93.95	0.43
522	0	1110.95	-0.25	0	0	0	0.97	1.15	292.57	0.97	120.94	28.72	0.76	93.95	0.43
523	0	1110.97	-0.25	0	0	0	0.97	1.22	282.49	0.96	120.94	28.72	0.76	93.95	0.43
524	0	1121.3	-0.24	0	0	0	0.96	1.27	273.64	0.96	120.94	28.72	0.76	93.95	0.43
525	0	1129.99	-0.24	0	0	0	0.96	1.33	263.97	0.95	120.94	28.72	0.76	93.95	0.43
526	0	1139.44	-0.24	0	0	0	0.96	1.34	266.9	0.95	120.94	28.72	0.76	93.95	0.43
527	0	1123.75	-0.24	0	0	0	0.96	1.31	263.05	0.95	120.94	28.72	0.76	93.95	0.43
528	0	1103.91	-0.24	0	0	0	0.96	1.29	257.6	0.94	120.94	28.72	0.76	93.95	0.43
529	0	1089.72	-0.23	0	0	0	0.95	1.28	253.53	0.94	120.94	28.72	0.76	93.95	0.43
530	0	1095	-0.24	0	0	0	0.96	1.27	258.71	0.94	120.94	28.72	0.76	93.95	0.43
531	0	1103.08	-0.24	0	0	0	0.97	1.24	269.36	0.95	120.94	28.72	0.76	93.95	0.43
532	0	1106.89	-0.25	0	0	0	0.98	1.2	281.49	0.96	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
533	0	1110.34	-0.25	0	0	0	0.99	1.14	289.33	0.97	120.94	28.72	0.76	93.95	0.43
534	0	1112.82	-0.25	0	0	0	0.99	1.06	288.5	0.97	120.94	28.72	0.76	93.95	0.43
535	0	1112.35	-0.25	0	0	0	0.99	1	285.48	0.97	120.94	28.72	0.76	93.95	0.43
536	0	1109.46	-0.26	0	0	0	1	1	295.02	0.97	120.94	28.72	0.76	93.95	0.43
537	0	1115.49	-0.26	0	0	0	1.01	1	301.71	0.98	120.94	28.72	0.76	93.95	0.43
538	0	1125.61	-0.26	0	0	0	1.02	1	305.89	0.98	120.94	28.72	0.76	93.95	0.43
539	0	1134.99	-0.26	0	0	0	1.02	1	304.33	0.98	120.94	28.72	0.76	93.95	0.43
540	0	1135.66	-0.26	0	0	0	1.01	1	301.02	0.98	120.94	28.72	0.76	93.95	0.43
541	0	1141.59	-0.26	0	0	0	1.02	1	298.7	0.98	120.94	28.72	0.76	93.95	0.43
542	0	1152.02	-0.26	0	0	0	1.02	0.99	298.81	0.98	120.94	28.72	0.76	93.95	0.43
543	0	1165.18	-0.26	0	0	0	1.03	1.03	310.16	0.99	120.94	28.72	0.76	93.95	0.43
544	0	1070	-0.26	0	0	0	1.02	1	299.73	0.98	120.94	28.72	0.76	93.95	0.43
545	0	934.75	-0.26	0	0	0	1.02	1	298.37	0.98	120.94	28.72	0.76	93.95	0.43
546	0	390.47	0	0	0	0	0	1	298.56	0	120.94	28.72	0.76	93.95	0.43
547	0	389.61	0	0	0	0	0	1	296.71	0	120.94	28.72	0.76	93.95	0.43
548	0	386.61	0	0	0	0	0	1	291.78	0	120.94	28.72	0.76	93.95	0.43
549	0	385.89	0	0	0	0	0	1	290.09	0	120.94	28.72	0.76	93.95	0.43
550	0	384.92	0	0	0	0	0	1	288.22	0	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
1	0.09	0.09	0	-0.52	0	0.08	8.48	2	5.05	120.94	0.01	0	0	29.9	9.06	-0.41
2	0.14	0.09	0.02	-0.17	0	0.08	41.31	2	5.38	120.94	0.01	0	0	19.09	45.79	-0.44
3	0.2	0.09	0.08	-0.52	0	0.09	121.97	2	5.63	120.94	0.01	0.01	0.01	12.49	142.15	-0.35
4	0.27	0.09	0.21	-0.13	0	0.09	234.23	2	5.8	120.94	0.02	0.01	0.01	8.72	289.77	-0.38
5	0.33	0.09	0.31	-0.09	0	0.24	112.77	2	5.26	120.94	0.02	0.01	0.01	22.41	123.18	-0.1
6	0.42	0.54	0.28	-0.26	0	3.41	8.67	2	3.66	120.94	0.03	0.01	0.01	272.34	8.73	-0.01
7	0.47	9.61	0.29	-0.09	0	49.9	0.65	5	2.07	120.94	0.03	0.01	0.01	3651.06	0.65	0
8	0.53	139.56	0.4	-0.17	0	99.77	0.41	6	1.71	120.94	0.03	0.02	0.02	6446.16	0.41	0
9	0.61	150.16	0.55	-0.09	0	143.37	0.35	6	1.54	120.94	0.04	0.02	0.02	8019.83	0.35	0
10	0.66	140.38	0.58	0	0	139.77	0.43	6	1.6	120.94	0.04	0.02	0.02	7194.56	0.43	0
11	0.76	128.78	0.68	0	0	133.64	0.49	6	1.64	120.94	0.05	0.02	0.02	6025.64	0.49	0
12	0.79	131.77	0.72	0	0	127.24	0.59	6	1.71	120.94	0.05	0.02	0.02	5490.28	0.59	0
13	0.86	121.16	0.84	-0.17	0	124.82	0.68	6	1.75	120.94	0.05	0.03	0.03	4983.11	0.68	0
14	0.94	121.53	0.97	-0.09	0	125.91	0.78	6	1.78	120.94	0.06	0.03	0.03	4557.77	0.78	0
15	1	135.03	1.11	0.17	0	152.97	0.76	6	1.71	120.94	0.06	0.03	0.03	5238.31	0.76	0
16	1.07	202.36	1.38	0.17	0	195.81	0.69	6	1.6	120.94	0.06	0.03	0.03	6236.82	0.69	0
17	1.13	250.03	1.54	0.17	0	240	0.64	6	1.52	120.94	0.07	0.04	0.03	7265.63	0.64	0
18	1.19	267.61	1.7	0.26	0	258.67	0.65	6	1.5	120.94	0.07	0.04	0.03	7448.17	0.65	0
19	1.25	258.37	1.8	-0.35	0	264.01	0.68	6	1.5	120.94	0.08	0.04	0.04	7230.4	0.68	0
20	1.32	266.07	1.9	-0.43	0	264.89	0.75	6	1.53	120.94	0.08	0.04	0.04	6858.57	0.75	0
21	1.38	270.24	2.26	-0.09	0	253.44	0.85	6	1.58	120.94	0.08	0.04	0.04	6281.2	0.85	0
22	1.47	224.02	2.28	-0.09	0	234.29	0.96	6	1.65	120.94	0.09	0.05	0.04	5443.14	0.96	0
23	1.52	208.61	2.22	0.09	0	202.63	1.11	6	1.73	120.94	0.09	0.05	0.04	4543.63	1.11	0
24	1.58	175.27	2.23	0	0	179.67	1.21	6	1.8	120.94	0.1	0.05	0.05	3895.57	1.21	0
25	1.66	155.15	2.05	-0.78	0	152.46	1.33	6	1.88	120.94	0.1	0.05	0.05	3141.57	1.33	0
26	1.72	126.96	1.82	-0.17	0	131.82	1.38	6	1.93	120.94	0.1	0.05	0.05	2625.73	1.38	0
27	1.8	113.37	1.58	-0.35	0	113.97	1.37	6	1.98	120.94	0.11	0.06	0.05	2157.74	1.37	0
28	1.85	101.59	1.28	-0.87	0	100.43	1.17	6	1.97	120.94	0.11	0.06	0.05	1850.81	1.17	0
29	1.94	86.36	0.67	-1.56	0	88.64	0.94	6	1.95	120.94	0.12	0.06	0.06	1562.43	0.94	0
30	1.99	78.03	0.55	-1.74	0	78.46	0.72	6	1.93	120.94	0.12	0.06	0.06	1343.79	0.72	0
31	2.05	71.05	0.48	-1.48	0	70.18	0.68	6	1.96	120.94	0.12	0.06	0.06	1170.58	0.69	0
32	2.12	61.62	0.42	-8.35	0	62.26	0.69	6	2	120.94	0.13	0.07	0.06	1000.52	0.69	-0.01
33	2.19	54.37	0.4	-8.52	0	54.43	0.75	5	2.07	120.94	0.13	0.07	0.06	847.27	0.75	-0.01
34	2.24	47.67	0.4	-8.61	0	47.82	0.84	5	2.15	120.94	0.14	0.07	0.07	727.77	0.84	-0.01
35	2.31	41.78	0.4	-8.08	0	41.96	0.97	5	2.23	120.94	0.14	0.07	0.07	617.66	0.97	-0.02
36	2.38	36.79	0.41	-7.48	0	36.92	1.15	5	2.31	120.94	0.14	0.07	0.07	528.53	1.15	-0.02
37	2.47	32.53	0.45	-7.56	0	33.24	1.34	5	2.39	120.94	0.15	0.08	0.07	457.98	1.34	-0.02
38	2.52	30.72	0.47	-7.82	0	30.61	1.48	5	2.44	120.94	0.15	0.08	0.07	414.01	1.49	-0.02

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
39	2.56	28.91	0.44	-7.91	0	28.34	1.51	5	2.47	120.94	0.15	0.08	0.07	376	1.51	-0.02
40	2.63	25.74	0.37	-7.91	0	26.26	1.5	5	2.5	120.94	0.16	0.08	0.08	339.81	1.5	-0.02
41	2.71	24.47	0.36	-7.91	0	24.78	1.46	5	2.51	120.94	0.16	0.08	0.08	310.77	1.47	-0.03
42	2.76	24.47	0.35	-7.91	0	24.36	1.37	5	2.51	120.94	0.17	0.09	0.08	299.57	1.38	-0.03
43	2.85	24.47	0.29	-7.04	0	24.36	1.24	5	2.48	120.94	0.17	0.09	0.08	289.97	1.25	-0.03
44	2.9	24.47	0.27	-7.52	0	24.38	1.1	5	2.46	120.94	0.18	0.09	0.08	285.02	1.11	-0.03
45	2.96	24.51	0.24	-7.54	0	24.4	1.01	5	2.44	120.94	0.18	0.09	0.09	280.19	1.02	-0.03
46	3.02	24.56	0.23	-7.54	0	23.53	0.99	5	2.45	120.94	0.18	0.09	0.09	264.11	1	-0.03
47	3.13	21.84	0.23	-7.54	0	22.31	1.02	5	2.47	120.94	0.19	0.1	0.09	241.96	1.03	-0.03
48	3.17	20.84	0.23	-7.42	0	20.86	1.09	5	2.51	120.94	0.19	0.1	0.09	222.58	1.1	-0.03
49	3.22	20.21	0.23	-7.3	0	20.13	1.15	5	2.54	120.94	0.19	0.1	0.09	211.84	1.16	-0.03
50	3.31	19.67	0.24	-7.3	0	19.83	1.2	4	2.55	120.94	0.2	0.1	0.1	202.49	1.22	-0.03
51	3.35	19.94	0.25	-7.3	0	20.38	1.21	5	2.54	120.94	0.2	0.1	0.1	205.9	1.22	-0.03
52	3.42	21.84	0.25	-7.3	0	22.03	1.15	5	2.5	120.94	0.21	0.11	0.1	218.46	1.16	-0.03
53	3.51	24.65	0.26	-8	0	24.11	1.08	5	2.46	120.94	0.21	0.11	0.1	232.88	1.09	-0.03
54	3.55	26.19	0.27	-8.08	0	25.71	1.04	5	2.42	120.94	0.21	0.11	0.1	245.36	1.05	-0.03
55	3.64	26.64	0.28	-7.48	0	26.14	1.04	5	2.42	120.94	0.22	0.11	0.11	243.33	1.05	-0.03
56	3.7	25.92	0.27	-7.04	0	25.75	1.05	5	2.43	120.94	0.22	0.12	0.11	236.14	1.06	-0.03
57	3.75	25.01	0.27	-7.3	0	24.66	1.08	5	2.45	120.94	0.23	0.12	0.11	222.92	1.09	-0.03
58	3.84	23.38	0.26	-7.56	0	23.66	1.11	5	2.47	120.94	0.23	0.12	0.11	208.57	1.12	-0.03
59	3.88	22.93	0.26	-7.74	0	22.76	1.13	5	2.49	120.94	0.23	0.12	0.11	198.24	1.14	-0.03
60	3.96	22.29	0.25	-7.74	0	22.01	1.16	5	2.51	120.94	0.24	0.12	0.12	187.72	1.17	-0.03
61	4.02	21.12	0.26	-7.04	0	20.56	1.27	4	2.55	120.94	0.24	0.13	0.12	172.83	1.28	-0.03
62	4.08	18.58	0.27	-6.78	0	17.91	1.47	4	2.64	120.94	0.25	0.13	0.12	148.16	1.49	-0.04
63	4.17	14.32	0.26	-7.21	0	15.24	1.69	4	2.73	120.94	0.25	0.13	0.12	122.76	1.72	-0.04
64	4.22	13.14	0.24	-7.56	0	13.06	1.84	4	2.8	120.94	0.26	0.13	0.12	103.75	1.88	-0.05
65	4.27	12.05	0.22	-7.74	0	12.18	1.81	4	2.83	120.94	0.26	0.13	0.12	95.52	1.85	-0.06
66	4.34	11.69	0.2	-7.65	0	11.76	1.78	4	2.84	120.94	0.26	0.14	0.13	90.66	1.82	-0.06
67	4.41	11.87	0.21	-6.78	0	11.44	1.72	4	2.84	120.94	0.27	0.14	0.13	86.68	1.76	-0.06
68	4.47	11.06	0.18	-7.39	0	11.1	1.71	4	2.85	120.94	0.27	0.14	0.13	82.81	1.76	-0.06
69	4.55	10.69	0.18	-7.65	0	10.98	1.7	4	2.85	120.94	0.28	0.14	0.13	80.41	1.74	-0.06
70	4.6	11.51	0.2	-8	0	10.61	2	4	2.9	120.94	0.28	0.14	0.13	76.79	2.05	-0.07
71	4.69	9.97	0.26	-8.43	0	10.82	2.28	3	2.92	120.94	0.28	0.15	0.14	76.73	2.34	-0.07
72	4.74	11.33	0.29	-8.26	0	10.7	2.8	3	2.98	120.94	0.29	0.15	0.14	75.07	2.88	-0.07
73	4.79	11.15	0.36	-7.39	0	12.91	2.91	3	2.92	120.94	0.29	0.15	0.14	90	2.98	-0.06
74	4.89	16.58	0.49	-7.13	0	16	3.71	3	2.91	120.94	0.3	0.15	0.14	109.83	3.78	-0.04
75	4.93	20.57	0.94	-7.3	0	20.89	3.89	3	2.83	120.94	0.3	0.15	0.14	142.64	3.94	-0.03
76	5.02	25.83	1.01	-7.39	0	24.51	3.72	4	2.76	120.94	0.3	0.16	0.15	164.91	3.76	-0.03

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
77	5.08	27.46	0.79	-7.56	0	26.84	3.31	4	2.7	120.94	0.31	0.16	0.15	178.66	3.35	-0.03
78	5.12	27.55	0.87	-7.48	0	26.06	3.9	4	2.76	120.94	0.31	0.16	0.15	171.98	3.95	-0.03
79	5.19	23.56	1.39	-11.04	0	24.27	5.58	3	2.88	120.94	0.31	0.16	0.15	157.77	5.65	-0.04
80	5.26	22.11	1.8	-10.95	0	48.25	3.45	4	2.52	120.94	0.32	0.16	0.15	311.62	3.48	-0.02
81	5.32	99.59	1.81	-12.78	0	59.92	3.54	4	2.47	120.94	0.32	0.17	0.16	383.22	3.56	-0.02
82	5.41	58.54	2.76	-9.39	0	87.23	2.91	5	2.29	120.94	0.33	0.17	0.16	549.27	2.92	-0.01
83	5.46	103.99	3.04	-8	0	90.19	3.29	5	2.32	120.94	0.33	0.17	0.16	562.94	3.3	-0.01
84	5.52	108.39	3.09	-7.91	0	106.9	2.79	5	2.22	120.94	0.33	0.17	0.16	660.04	2.8	-0.01
85	5.59	108.66	2.82	-7.04	0	108.56	2.2	5	2.14	120.94	0.34	0.17	0.16	662.21	2.2	-0.01
86	5.64	108.93	1.25	-6.78	0	146.37	1.6	6	1.95	120.94	0.34	0.18	0.17	884.58	1.6	0
87	5.71	221.85	2.97	-8.43	0	205.15	1.07	6	1.72	120.94	0.35	0.18	0.17	1226.25	1.08	0
88	5.78	285.01	2.4	-8.43	0	272.6	0.99	6	1.61	120.94	0.35	0.18	0.17	1610.3	0.99	0
89	5.85	311.29	2.76	-8.35	0	290.24	0.84	6	1.54	120.94	0.35	0.18	0.17	1693.23	0.84	0
90	5.93	274.77	2.17	-8.43	0	264.17	0.89	6	1.59	120.94	0.36	0.19	0.17	1519.9	0.9	0
91	5.98	206.8	2.16	-8.26	0	191.55	1.1	6	1.75	120.94	0.36	0.19	0.18	1092.46	1.1	0
92	6.05	93.43	2.01	-8.52	0	146.21	1.32	6	1.89	120.94	0.37	0.19	0.18	823.45	1.33	-0.01
93	6.13	138.74	1.64	-7.65	0	120.17	1.47	6	1.98	120.94	0.37	0.19	0.18	668.68	1.47	-0.01
94	6.17	128.68	1.64	-7.74	0	102.35	1.47	5	2.03	120.94	0.37	0.19	0.18	564.67	1.48	-0.01
95	6.27	39.96	1.24	-8.08	0	69.04	2.1	5	2.26	120.94	0.38	0.2	0.18	374.57	2.12	-0.01
96	6.31	38.83	1.48	-8.08	0	39.08	3.82	4	2.62	120.94	0.38	0.2	0.18	209.6	3.86	-0.02
97	6.37	38.83	1.76	-10.37	0	38.31	4.35	4	2.67	120.94	0.39	0.2	0.19	203.64	4.4	-0.02
98	6.44	37.7	1.76	-10.37	0	40.13	4.68	4	2.67	120.94	0.39	0.2	0.19	210.87	4.73	-0.02
99	6.51	44.31	2.12	-10.37	0	48.11	5.23	4	2.65	120.94	0.39	0.2	0.19	250.74	5.27	-0.02
100	6.56	62.8	3.67	-12.78	0	45.56	8.89	3	2.84	120.94	0.4	0.2	0.19	235.27	8.97	-0.02
101	6.63	30.09	6.37	-12.87	0	50.45	11.39	3	2.9	120.94	0.4	0.21	0.19	258.06	11.48	-0.02
102	6.7	59	7.2	-12.69	0	47.94	15.54	3	3.02	120.94	0.4	0.21	0.2	242.7	15.67	-0.02
103	6.79	55.19	8.79	-6.26	0	139.18	6.4	9	2.44	120.94	0.41	0.21	0.2	698.93	6.42	-0.01
104	6.83	303.77	10.73	-9.65	0	215.22	4.57	9	2.21	120.94	0.41	0.21	0.2	1075.55	4.58	0
105	6.9	287.09	9.97	-11.21	0	277.21	3.5	8	2.05	120.94	0.42	0.22	0.2	1372.27	3.51	0
106	6.96	241.24	8.42	-10.78	0	252.62	3.44	8	2.07	120.94	0.42	0.22	0.2	1237.94	3.44	0
107	7.03	230	7.67	-10.26	0	232.29	3.23	8	2.07	120.94	0.43	0.22	0.21	1127.61	3.24	0
108	7.12	226.1	6.43	-10.95	0	181.49	3.42	8	2.15	120.94	0.43	0.22	0.21	870	3.43	-0.01
109	7.17	88.81	4.55	-9.39	0	118.22	4.09	9	2.32	120.94	0.43	0.22	0.21	561.57	4.11	-0.01
110	7.22	40.15	3.54	-6.69	0	59.48	6.83	3	2.68	120.94	0.44	0.23	0.21	279.62	6.88	-0.01
111	7.31	49.84	4.11	-9.04	0	45.64	7.85	3	2.8	120.94	0.44	0.23	0.21	211.37	7.93	-0.02
112	7.36	47.31	3.11	-10	0	44.41	6.56	3	2.75	120.94	0.45	0.23	0.22	204.23	6.62	-0.02
113	7.42	36.52	1.52	-11.21	0	37.15	5.05	3	2.72	120.94	0.45	0.23	0.22	169.07	5.11	-0.03
114	7.49	28.09	1	-10.78	0	32.96	3.81	4	2.67	120.94	0.45	0.23	0.22	148.3	3.86	-0.03

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
115	7.55	34.75	1.25	-11.21	0	31.72	3.61	4	2.67	120.94	0.46	0.24	0.22	141.48	3.66	-0.03
116	7.64	32.81	1.19	-11.73	0	33.35	3.84	4	2.67	120.94	0.46	0.24	0.22	147.16	3.89	-0.03
117	7.7	32.99	1.4	-11.21	0	32.91	4.34	4	2.71	120.94	0.47	0.24	0.23	144.1	4.4	-0.03
118	7.74	33.44	1.69	-12.17	0	35.41	4.52	4	2.7	120.94	0.47	0.24	0.23	154.27	4.58	-0.03
119	7.83	40.33	1.7	-13.73	0	33.85	5.4	3	2.77	120.94	0.47	0.24	0.23	145.65	5.48	-0.04
120	7.89	28.37	2.09	-14.26	0	29.47	7.18	3	2.9	120.94	0.48	0.25	0.23	125.64	7.3	-0.04
121	7.95	20.3	2.55	-13.39	0	25.9	9.59	3	3.03	120.94	0.48	0.25	0.23	109.4	9.78	-0.05
122	8.03	29.63	2.81	-13.3	0	38.99	7.07	3	2.81	120.94	0.49	0.25	0.23	163.86	7.16	-0.03
123	8.08	67.61	2.9	-13.56	0	59.98	4.87	4	2.57	120.94	0.49	0.25	0.24	251.83	4.91	-0.02
124	8.15	83.28	3.05	-14.08	0	69.91	4.34	4	2.48	120.94	0.49	0.25	0.24	291.07	4.37	-0.02
125	8.21	59.45	3.14	-13.73	0	59.01	5.33	4	2.6	120.94	0.5	0.26	0.24	243.6	5.38	-0.02
126	8.28	34.89	3.24	-13.13	0	48.2	6.86	3	2.74	120.94	0.5	0.26	0.24	197.02	6.93	-0.03
127	8.34	50.84	3.53	-13.47	0	50.59	6.62	3	2.71	120.94	0.5	0.26	0.24	205.21	6.68	-0.02
128	8.41	66.61	3.27	-13.47	0	61.91	5.36	4	2.59	120.94	0.51	0.26	0.25	249.74	5.4	-0.02
129	8.46	68.87	3.15	-13.47	0	67.71	4.37	4	2.5	120.94	0.51	0.26	0.25	271.41	4.4	-0.02
130	8.54	68.24	2.45	-13.47	0	67.68	3.99	4	2.47	120.94	0.52	0.27	0.25	269.03	4.02	-0.02
131	8.6	66.52	2.5	-13.99	0	66.68	3.62	4	2.44	120.94	0.52	0.27	0.25	262.96	3.65	-0.02
132	8.69	65.88	2.29	-13.47	0	65.11	3.61	4	2.45	120.94	0.53	0.27	0.25	253.96	3.64	-0.02
133	8.75	63.53	2.26	-14.6	0	60.12	3.84	4	2.49	120.94	0.53	0.27	0.26	232.96	3.87	-0.02
134	8.83	51.56	2.37	-13.47	0	53.39	4.33	4	2.56	120.94	0.53	0.28	0.26	204.54	4.37	-0.02
135	8.87	45.67	2.31	-13.73	0	47.26	4.84	4	2.63	120.94	0.54	0.28	0.26	180.07	4.9	-0.03
136	8.93	45.13	2.19	-13.91	0	44.26	4.95	4	2.66	120.94	0.54	0.28	0.26	167.46	5.01	-0.03
137	8.99	42.59	2.07	-14.52	0	41	5.05	4	2.69	120.94	0.54	0.28	0.26	153.76	5.12	-0.03
138	9.08	35.89	1.95	-14.34	0	37.35	5.21	3	2.73	120.94	0.55	0.28	0.27	138.6	5.29	-0.04
139	9.12	34.17	1.82	-13.56	0	34.79	5.68	3	2.78	120.94	0.55	0.28	0.27	128.28	5.78	-0.04
140	9.2	34.89	2.16	-13.13	0	38.78	6.37	3	2.78	120.94	0.56	0.29	0.27	142.1	6.47	-0.03
141	9.26	47.85	3.43	-13.04	0	47.74	5.71	3	2.68	120.94	0.56	0.29	0.27	174.26	5.78	-0.02
142	9.36	60.9	2.58	-3.04	0	62.96	4.29	4	2.51	120.94	0.57	0.29	0.27	227.93	4.32	-0.01
143	9.41	80.47	2.08	-7.21	0	80.87	2.77	5	2.3	120.94	0.57	0.29	0.28	291.84	2.79	-0.01
144	9.46	101.5	2.06	-7.74	0	105.26	2.08	5	2.13	120.94	0.57	0.3	0.28	378.55	2.09	-0.01
145	9.55	134.21	2.43	-12.08	0	118.89	2.01	5	2.08	120.94	0.58	0.3	0.28	423.56	2.02	-0.01
146	9.6	121.44	2.68	-12.78	0	124.6	2.15	5	2.09	120.94	0.58	0.3	0.28	441.7	2.16	-0.01
147	9.65	118.67	2.93	-12.08	0	120.22	2.51	5	2.15	120.94	0.58	0.3	0.28	423.88	2.52	-0.01
148	9.73	121.07	3.43	-12.08	0	118.38	2.84	5	2.2	120.94	0.59	0.3	0.28	413.78	2.85	-0.01
149	9.78	115.91	3.72	-12.08	0	119.05	3.1	5	2.22	120.94	0.59	0.31	0.29	413.99	3.11	-0.01
150	9.88	120.71	3.91	-12.34	0	120.29	3.16	5	2.23	120.94	0.6	0.31	0.29	414.15	3.18	-0.01
151	9.92	124.79	3.77	-12.26	0	123.79	3.22	5	2.23	120.94	0.6	0.31	0.29	424.57	3.24	-0.01
152	9.98	126.42	4.3	-12.87	0	139.05	3.64	8	2.24	120.94	0.6	0.31	0.29	474.11	3.65	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
153	10.06	166.47	7.11	-12.43	0	169.28	3.92	8	2.21	120.94	0.61	0.31	0.29	573.04	3.93	-0.01
154	10.12	215.41	8.48	-6.69	0	223.52	3.38	8	2.09	120.94	0.61	0.32	0.3	753.35	3.38	0
155	10.2	289.09	7.05	-8.52	0	283.76	2.49	8	1.92	120.94	0.62	0.32	0.3	949.2	2.5	0
156	10.26	347.09	5.69	-7.13	0	311.36	1.95	6	1.81	120.94	0.62	0.32	0.3	1035.24	1.96	0
157	10.31	298.24	5.5	-7.58	0	276.54	1.94	6	1.84	120.94	0.62	0.32	0.3	914.84	1.95	0
158	10.38	184.6	4.91	-7.58	0	233.73	2.1	6	1.91	120.94	0.63	0.32	0.3	767.84	2.11	0
159	10.45	218.67	4.34	-6.78	0	205.31	2.23	6	1.96	120.94	0.63	0.33	0.31	669.89	2.24	0
160	10.5	212.96	4.49	-6	0	206.86	2.13	6	1.95	120.94	0.64	0.33	0.31	671.36	2.14	0
161	10.59	189.22	4.39	-5.04	0	209.86	2.29	6	1.97	120.94	0.64	0.33	0.31	675.7	2.3	0
162	10.63	227.65	5.56	-5.51	0	257.78	2.31	6	1.92	120.94	0.64	0.33	0.31	826.76	2.32	0
163	10.7	356.69	7.91	-5.03	0	320.3	2.25	6	1.86	120.94	0.65	0.33	0.31	1021.42	2.26	0
164	10.77	376.72	8.18	-1.13	0	388.5	2.11	8	1.79	120.94	0.65	0.34	0.32	1230.84	2.11	0
165	10.83	432.18	8.45	0.26	0	411.1	2.07	8	1.77	120.94	0.65	0.34	0.32	1295.56	2.07	0
166	10.9	424.48	8.89	-4.98	0	410.2	2.07	8	1.77	120.94	0.66	0.34	0.32	1284.31	2.07	0
167	10.96	374.09	8.09	-4.98	0	385.13	2.08	8	1.79	120.94	0.66	0.34	0.32	1198.86	2.09	0
168	11.03	357.05	7.1	-5.45	0	345.01	2.19	8	1.83	120.94	0.67	0.34	0.32	1067.81	2.19	0
169	11.12	304.13	7.48	-5.45	0	313.84	1.55	6	1.73	120.94	0.67	0.35	0.33	963.16	1.55	0
170	11.16	280.57	0	-5.91	0	294.77	0.85	6	1.54	120.94	0.67	0.35	0.33	900.79	0.85	0
171	11.23	299.87	0	-6.35	0	304.56	0	0	0	120.94	0.68	0.35	0.33	924.78	0	0
172	11.3	333.49	0	-6	0	333.77	0	0	0	120.94	0.68	0.35	0.33	1008.01	0	0
173	11.36	368.2	0	-5.56	0	412.53	0	0	0	120.94	0.69	0.35	0.33	1239.43	0	0
174	11.45	536.13	0	-5.3	0	539.12	0	0	0	120.94	0.69	0.36	0.33	1608.23	0	0
175	11.5	713.29	0	-6.78	0	654.15	0	0	0	120.94	0.7	0.36	0.34	1943.13	0	0

Former Nepera Harriman Site
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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
1	3	0.99	374.54	2.97	27.86	-12.17	11.74	3	Clay	Clay-like - Dilative
2	3	1	265.99	3.62	19.09	-8.42	3.08	2	Clay	Clay-like - Contractive
3	3	1	179.08	4.06	12.49	-4.42	1.22	2	Clay	Clay-like - Contractive
4	3	1	132.02	4.06	8.72	-3.28	0.72	1	Clay	Clay-like - Contractive - Sensitive
5	3	1	108.96	3.93	22.41	-2.25	1.15	2	Clay	Clay-like - Contractive
6	9	0.82	38.97	2.56	124.7	-1.91	11.62	3	Very stiff fine grained	Clay-like - Dilative
7	6	0.4	5.79	1.46	272.67	-1.98	114.18	7	Sand & silty sand	Sand like - Dilative
8	7	0.32	3.84	1.24	362.24	-1.61	169.1	7	Sand	Sand like - Dilative
9	7	0.29	3.22	1.13	436.36	-1.42	198.58	7	Sand	Sand like - Dilative
10	7	0.3	3.38	1.18	446.4	-1.17	174.43	7	Sand	Sand like - Dilative
11	7	0.32	3.48	1.23	438.93	-1.07	157.15	7	Sand	Sand like - Dilative
12	7	0.34	3.64	1.29	438.06	-1.25	137.17	7	Sand	Sand like - Dilative
13	7	0.36	3.79	1.33	446.76	-1.32	122.8	7	Sand	Sand like - Dilative
14	6	0.37	3.88	1.37	461.28	-1.14	110.2	7	Sand & silty sand	Sand like - Dilative
15	6	0.36	3.61	1.33	521.27	-0.85	114.56	7	Sand & silty sand	Sand like - Dilative
16	7	0.34	3.25	1.26	601.87	-0.67	126.42	7	Sand	Sand like - Dilative
17	7	0.31	2.98	1.21	674.99	-0.62	136.01	7	Sand	Sand like - Dilative
18	7	0.31	2.9	1.2	709.01	-1.01	135.45	7	Sand	Sand like - Dilative
19	7	0.32	2.9	1.22	724.22	-1.41	130.29	7	Sand	Sand like - Dilative
20	7	0.33	2.96	1.25	741.98	-1.61	120.09	7	Sand	Sand like - Dilative
21	7	0.35	3.1	1.29	741.48	-1.43	107.77	7	Sand	Sand like - Dilative
22	6	0.37	3.24	1.35	717.79	-1.12	95.77	7	Sand & silty sand	Sand like - Dilative
23	6	0.39	3.48	1.42	666.55	-1.07	83.75	7	Sand & silty sand	Sand like - Dilative
24	6	0.41	3.64	1.47	618.22	-1.43	77	7	Sand & silty sand	Sand like - Dilative
25	6	0.44	3.84	1.53	552.65	-1.54	69.68	7	Sand & silty sand	Sand like - Dilative
26	6	0.45	3.95	1.57	491.96	-1.69	67.11	7	Sand & silty sand	Sand like - Dilative
27	6	0.46	3.99	1.59	429.74	-1.7	66.77	7	Sand & silty sand	Sand like - Dilative
28	6	0.45	3.84	1.58	363.92	-2.3	75.28	7	Sand & silty sand	Sand like - Dilative
29	6	0.44	3.64	1.55	304.38	-2.84	88.19	7	Sand & silty sand	Sand like - Dilative
30	6	0.43	3.45	1.51	255.29	-3.04	104.38	7	Sand & silty sand	Sand like - Dilative
31	6	0.43	3.47	1.53	229.8	-5.7	105.41	7	Sand & silty sand	Sand like - Dilative
32	6	0.45	3.55	1.57	208.34	-8.16	101.7	7	Sand & silty sand	Sand like - Dilative
33	6	0.47	3.7	1.62	189.81	-10.61	94.29	7	Sand & silty sand	Sand like - Dilative
34	6	0.49	3.9	1.68	175.88	-10.3	85.22	7	Sand & silty sand	Sand like - Dilative
35	6	0.52	4.12	1.74	162.97	-9.63	75.79	7	Sand & silty sand	Sand like - Dilative
36	6	0.54	4.39	1.82	152.49	-9.04	66.2	7	Sand & silty sand	Sand like - Dilative
37	6	0.57	4.6	1.88	143.92	-8.66	58.44	7	Sand & silty sand	Sand like - Dilative
38	6	0.59	4.78	1.93	137.53	-8.67	53.61	7	Sand & silty sand	Sand like - Dilative

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Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
39	6	0.6	4.84	1.95	128.98	-8.64	52.39	7	Sand & silty sand	Sand like - Dilative
40	6	0.6	4.87	1.97	120.1	-8.48	51.89	7	Sand & silty sand	Sand like - Dilative
41	6	0.61	4.84	1.98	112.53	-8.26	52.17	7	Sand & silty sand	Sand like - Dilative
42	6	0.61	4.75	1.98	108.6	-7.86	53.9	7	Sand & silty sand	Sand like - Dilative
43	6	0.6	4.58	1.96	104.64	-7.53	57.13	7	Sand & silty sand	Sand like - Dilative
44	6	0.59	4.42	1.93	101.21	-7.31	61.1	7	Sand & silty sand	Sand like - Dilative
45	6	0.58	4.32	1.92	98.81	-7.34	63.72	7	Sand & silty sand	Sand like - Dilative
46	6	0.59	4.3	1.93	94.79	-7.21	63.58	7	Sand & silty sand	Sand like - Dilative
47	6	0.6	4.31	1.95	90.16	-6.98	61.53	7	Sand & silty sand	Sand like - Dilative
48	6	0.61	4.41	1.99	86.17	-6.82	58.3	7	Sand & silty sand	Sand like - Dilative
49	6	0.62	4.47	2.01	84.24	-6.68	56.07	7	Sand & silty sand	Sand like - Dilative
50	6	0.63	4.46	2.03	82.82	-6.49	54.38	7	Sand & silty sand	Sand like - Dilative
51	6	0.62	4.42	2.02	84.22	-6.43	54.52	7	Sand & silty sand	Sand like - Dilative
52	6	0.61	4.25	1.99	87.76	-6.5	56.97	7	Sand & silty sand	Sand like - Dilative
53	6	0.6	4.06	1.96	91.82	-6.54	60.02	7	Sand & silty sand	Sand like - Dilative
54	6	0.59	3.96	1.94	95.36	-6.51	61.96	7	Sand & silty sand	Sand like - Dilative
55	6	0.59	3.9	1.94	95.48	-6.16	62.08	7	Sand & silty sand	Sand like - Dilative
56	6	0.6	3.9	1.95	94.02	-5.91	61.2	7	Sand & silty sand	Sand like - Dilative
57	6	0.6	3.93	1.97	90.78	-5.86	59.56	7	Sand & silty sand	Sand like - Dilative
58	6	0.61	3.94	1.99	87.26	-5.9	58.02	7	Sand & silty sand	Sand like - Dilative
59	6	0.62	3.97	2	84.45	-5.93	56.84	7	Sand & silty sand	Sand like - Dilative
60	6	0.62	3.98	2.02	81.9	-5.73	55.3	7	Sand & silty sand	Sand like - Dilative
61	5	0.64	4.1	2.06	78.8	-5.47	51.94	7	Silty sand & sandy silt	Sand like - Dilative
62	5	0.67	4.32	2.13	72.06	-5.3	46.22	7	Silty sand & sandy silt	Sand like - Dilative
63	5	0.7	4.53	2.21	64.15	-5.3	41.16	7	Silty sand & sandy silt	Sand like - Dilative
64	5	0.72	4.73	2.27	57.26	-5.44	37.88	7	Silty sand & sandy silt	Sand like - Dilative
65	5	0.73	4.76	2.29	53.65	-5.48	37.57	7	Silty sand & sandy silt	Sand like - Dilative
66	5	0.73	4.74	2.3	51.51	-5.26	37.54	7	Silty sand & sandy silt	Sand like - Dilative
67	5	0.73	4.7	2.3	49.58	-5.13	37.9	7	Silty sand & sandy silt	Sand like - Dilative
68	5	0.74	4.68	2.31	47.96	-5.07	37.59	7	Silty sand & sandy silt	Sand like - Dilative
69	5	0.74	4.64	2.32	46.95	-5.22	37.56	7	Silty sand & sandy silt	Sand like - Dilative
70	5	0.76	4.78	2.36	46.67	-5.36	34.2	7	Silty sand & sandy silt	Sand like - Dilative
71	5	0.77	4.81	2.39	47.91	-5.38	31.81	5	Silty sand & sandy silt	Transitional - Dilative
72	5	0.79	4.98	2.45	48.97	-5.23	27.96	5	Silty sand & sandy silt	Transitional - Dilative
73	5	0.78	4.79	2.41	57.17	-4.97	27.94	5	Silty sand & sandy silt	Transitional - Dilative
74	4	0.78	4.76	2.42	70.65	-4.73	23.92	5	Clay & silty clay	Transitional - Dilative
75	4	0.76	4.55	2.37	88.49	-4.7	23.51	5	Clay & silty clay	Transitional - Dilative
76	5	0.74	4.33	2.32	99.17	-4.71	24.63	5	Silty sand & sandy silt	Transitional - Dilative

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
77	5	0.72	4.14	2.27	103.73	-4.69	27.23	5	Silty sand & sandy silt	Transitional - Dilative
78	9	0.74	4.28	2.33	104.16	-5.25	23.73	5	Very stiff fine grained	Transitional - Dilative
79	9	0.79	4.62	2.45	104.6	-5.73	17.33	3	Very stiff fine grained	Clay-like - Dilative
80	8	0.68	3.71	2.16	167.91	-6.49	27.22	5	Very stiff sand/clayey sand	Transitional - Dilative
81	8	0.67	3.58	2.12	201.83	-6.18	26.84	5	Very stiff sand/clayey sand	Transitional - Dilative
82	8	0.61	3.21	1.99	263.81	-5.64	32.58	7	Very stiff sand/clayey sand	Sand like - Dilative
83	8	0.63	3.26	2.02	277.13	-4.87	29.17	5	Very stiff sand/clayey sand	Transitional - Dilative
84	8	0.59	3.06	1.93	308.15	-4.48	34.13	7	Very stiff sand/clayey sand	Sand like - Dilative
85	6	0.57	2.87	1.86	294.01	-4.26	42.37	7	Sand & silty sand	Sand like - Dilative
86	6	0.51	2.56	1.7	352.71	-4.3	57.03	7	Sand & silty sand	Sand like - Dilative
87	6	0.43	2.22	1.51	429.75	-4.46	82.58	7	Sand & silty sand	Sand like - Dilative
88	6	0.4	2.09	1.42	536.98	-4.65	90.56	7	Sand & silty sand	Sand like - Dilative
89	6	0.38	1.99	1.36	544.22	-4.6	104.89	7	Sand & silty sand	Sand like - Dilative
90	6	0.39	2.03	1.4	506.36	-4.53	98.65	7	Sand & silty sand	Sand like - Dilative
91	6	0.44	2.22	1.53	400.64	-4.52	80.09	7	Sand & silty sand	Sand like - Dilative
92	6	0.49	2.39	1.65	328.76	-4.38	66.87	7	Sand & silty sand	Sand like - Dilative
93	6	0.51	2.49	1.72	282.47	-4.27	60.27	7	Sand & silty sand	Sand like - Dilative
94	6	0.53	2.55	1.76	245.72	-4.19	59.08	7	Sand & silty sand	Sand like - Dilative
95	6	0.6	2.88	1.96	187.12	-4.2	42.31	7	Sand & silty sand	Sand like - Dilative
96	8	0.72	3.51	2.26	128.33	-4.52	24.47	5	Very stiff sand/clayey sand	Transitional - Dilative
97	9	0.74	3.59	2.31	128.78	-4.78	21.82	3	Very stiff fine grained	Clay-like - Dilative
98	9	0.74	3.6	2.32	135.03	-5.03	20.48	3	Very stiff fine grained	Clay-like - Dilative
99	9	0.74	3.56	2.32	160.73	-5.3	18.6	3	Very stiff fine grained	Clay-like - Dilative
100	9	0.81	3.99	2.5	170.5	-5.57	11.28	3	Very stiff fine grained	Clay-like - Dilative
101	9	0.84	4.14	2.57	195.6	-5.81	8.88	2	Very stiff fine grained	Clay-like - Contractive
102	9	0.88	4.43	2.68	198.82	-4.97	6.55	2	Very stiff fine grained	Clay-like - Contractive
103	9	0.7	3.2	2.2	420.32	-4.52	15.55	3	Very stiff fine grained	Clay-like - Dilative
104	8	0.62	2.83	2.01	575.49	-4.33	21.66	3	Very stiff sand/clayey sand	Clay-like - Dilative
105	8	0.57	2.59	1.88	677.76	-4.83	28.11	5	Very stiff sand/clayey sand	Transitional - Dilative
106	8	0.58	2.59	1.88	616.77	-4.87	28.56	5	Very stiff sand/clayey sand	Transitional - Dilative
107	8	0.57	2.56	1.87	560.71	-4.8	30.26	5	Very stiff sand/clayey sand	Transitional - Dilative
108	8	0.6	2.64	1.94	451.61	-4.6	28.49	5	Very stiff sand/clayey sand	Transitional - Dilative
109	8	0.65	2.86	2.07	318.22	-4.16	23.84	5	Very stiff sand/clayey sand	Transitional - Dilative
110	9	0.76	3.43	2.38	191.36	-3.92	14.52	3	Very stiff fine grained	Clay-like - Dilative
111	9	0.8	3.61	2.48	154.3	-3.95	12.7	3	Very stiff fine grained	Clay-like - Dilative
112	9	0.78	3.48	2.43	144.66	-4.44	15.05	3	Very stiff fine grained	Clay-like - Dilative
113	9	0.77	3.37	2.38	117.03	-4.6	19	3	Very stiff fine grained	Clay-like - Dilative
114	4	0.75	3.24	2.33	99.58	-4.7	24.11	5	Clay & silty clay	Transitional - Dilative

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CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
115	5	0.75	3.21	2.33	94.94	-4.73	25.11	5	Silty sand & sandy silt	Transitional - Dilative
116	4	0.75	3.2	2.33	99.49	-4.74	23.96	5	Clay & silty clay	Transitional - Dilative
117	9	0.76	3.26	2.37	100	-4.81	21.56	3	Very stiff fine grained	Clay-like - Dilative
118	9	0.76	3.24	2.37	106.96	-5	20.89	3	Very stiff fine grained	Clay-like - Dilative
119	9	0.79	3.34	2.44	105.32	-5.27	17.82	3	Very stiff fine grained	Clay-like - Dilative
120	9	0.83	3.56	2.56	97.59	-5.37	13.75	3	Very stiff fine grained	Clay-like - Dilative
121	9	0.88	3.8	2.68	91.26	-5.3	10.52	3	Very stiff fine grained	Clay-like - Dilative
122	9	0.81	3.38	2.49	123.09	-5.18	13.99	3	Very stiff fine grained	Clay-like - Dilative
123	9	0.73	2.99	2.28	167.87	-5.23	19.88	3	Very stiff fine grained	Clay-like - Dilative
124	8	0.7	2.85	2.21	187.15	-5.23	22.21	5	Very stiff sand/clayey sand	Transitional - Dilative
125	9	0.74	3.01	2.32	166.43	-5.16	18.29	3	Very stiff fine grained	Clay-like - Dilative
126	9	0.79	3.21	2.44	144.78	-5.07	14.42	3	Very stiff fine grained	Clay-like - Dilative
127	9	0.78	3.16	2.42	149.35	-5.01	14.92	3	Very stiff fine grained	Clay-like - Dilative
128	9	0.74	2.95	2.31	171.27	-5.01	18.21	3	Very stiff fine grained	Clay-like - Dilative
129	9	0.71	2.8	2.23	178.01	-4.99	22.02	3	Very stiff fine grained	Clay-like - Dilative
130	8	0.7	2.74	2.2	174.24	-5	23.89	5	Very stiff sand/clayey sand	Transitional - Dilative
131	8	0.69	2.69	2.17	168.27	-4.97	26.05	5	Very stiff sand/clayey sand	Transitional - Dilative
132	8	0.69	2.68	2.18	163.62	-5.04	26.08	5	Very stiff sand/clayey sand	Transitional - Dilative
133	8	0.71	2.72	2.22	153.48	-4.97	24.62	5	Very stiff sand/clayey sand	Transitional - Dilative
134	9	0.73	2.8	2.28	140.09	-4.95	21.99	3	Very stiff fine grained	Clay-like - Dilative
135	9	0.76	2.89	2.35	127.74	-4.87	19.8	3	Very stiff fine grained	Clay-like - Dilative
136	9	0.76	2.91	2.37	120.44	-4.94	19.38	3	Very stiff fine grained	Clay-like - Dilative
137	9	0.77	2.94	2.4	112.31	-4.97	18.97	3	Very stiff fine grained	Clay-like - Dilative
138	9	0.79	2.97	2.43	103.25	-4.9	18.39	3	Very stiff fine grained	Clay-like - Dilative
139	9	0.8	3.03	2.47	97.95	-4.76	16.98	3	Very stiff fine grained	Clay-like - Dilative
140	9	0.81	3.03	2.48	109.36	-4.61	15.36	3	Very stiff fine grained	Clay-like - Dilative
141	9	0.78	2.89	2.4	128.78	-3.66	17.04	3	Very stiff fine grained	Clay-like - Dilative
142	9	0.72	2.65	2.25	156.2	-3.11	22.3	5	Very stiff fine grained	Transitional - Dilative
143	5	0.65	2.39	2.06	181.38	-2.64	33.21	7	Silty sand & sandy silt	Sand like - Dilative
144	6	0.59	2.21	1.91	218.43	-3.41	43.35	7	Sand & silty sand	Sand like - Dilative
145	6	0.58	2.15	1.87	240.9	-3.87	45.04	7	Sand & silty sand	Sand like - Dilative
146	6	0.58	2.16	1.89	253.25	-4.23	42.64	7	Sand & silty sand	Sand like - Dilative
147	8	0.6	2.22	1.94	250.8	-4.21	37.16	7	Very stiff sand/clayey sand	Sand like - Dilative
148	8	0.62	2.26	1.99	251.31	-4.12	33.19	7	Very stiff sand/clayey sand	Sand like - Dilative
149	8	0.63	2.28	2.02	255.53	-4.13	30.68	5	Very stiff sand/clayey sand	Transitional - Dilative
150	8	0.63	2.27	2.02	257.35	-4.11	30.13	5	Very stiff sand/clayey sand	Transitional - Dilative
151	8	0.63	2.27	2.02	264.41	-4.17	29.61	5	Very stiff sand/clayey sand	Transitional - Dilative
152	8	0.64	2.28	2.04	298.73	-4.15	26.57	5	Very stiff sand/clayey sand	Transitional - Dilative

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
153	8	0.64	2.26	2.03	360.37	-3.68	24.92	5	Very stiff sand/clayey sand	Transitional - Dilative
154	8	0.6	2.15	1.93	451.97	-3.31	28.88	5	Very stiff sand/clayey sand	Transitional - Dilative
155	8	0.54	1.99	1.78	531.67	-2.87	38.74	7	Very stiff sand/clayey sand	Sand like - Dilative
156	8	0.5	1.88	1.68	553.42	-2.92	48.86	7	Very stiff sand/clayey sand	Sand like - Dilative
157	8	0.51	1.9	1.7	494.77	-2.84	48.89	7	Very stiff sand/clayey sand	Sand like - Dilative
158	8	0.53	1.95	1.76	428.73	-2.8	45.02	7	Very stiff sand/clayey sand	Sand like - Dilative
159	8	0.55	1.98	1.8	383.43	-2.67	42.39	7	Very stiff sand/clayey sand	Sand like - Dilative
160	8	0.54	1.96	1.79	382.2	-2.46	44.23	7	Very stiff sand/clayey sand	Sand like - Dilative
161	8	0.55	1.97	1.81	390.4	-2.35	41.36	7	Very stiff sand/clayey sand	Sand like - Dilative
162	8	0.54	1.94	1.77	470.84	-2.27	41.45	7	Very stiff sand/clayey sand	Sand like - Dilative
163	8	0.52	1.89	1.73	571.17	-1.96	42.74	7	Very stiff sand/clayey sand	Sand like - Dilative
164	8	0.5	1.84	1.67	673.18	-1.52	45.85	7	Very stiff sand/clayey sand	Sand like - Dilative
165	8	0.5	1.82	1.66	705.72	-1.51	46.7	7	Very stiff sand/clayey sand	Sand like - Dilative
166	8	0.5	1.81	1.66	702.07	-1.8	46.75	7	Very stiff sand/clayey sand	Sand like - Dilative
167	8	0.5	1.82	1.67	661.3	-2.22	46.28	7	Very stiff sand/clayey sand	Sand like - Dilative
168	8	0.52	1.85	1.71	600.53	-2.25	43.99	7	Very stiff sand/clayey sand	Sand like - Dilative
169	6	0.47	1.75	1.6	518.21	-2.31	60.43	7	Sand & silty sand	Sand like - Dilative
170	6	0.4	1.6	1.41	446.07	-2.37	101.77	7	Sand & silty sand	Sand like - Dilative
171	0	1	3.22	0	924.78	-2.4	1335.39	0	N/A	N/A
172	7	1	3.2	0	>1,000	-2.37	1454.3	0	Sand	N/A
173	7	1	3.18	0	>1,000	-2.29	1784.9	0	Sand	N/A
174	7	1	3.16	0	>1,000	-2.33	2311.76	0	Sand	N/A
175	7	1	3.15	0	>1,000	-2.41	2790.19	0	Sand	N/A

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	SPT N60 (blows/feet)	Constrained Mod. (tsf)	Dr (%)	Friction angle (°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	Und. strength ratio	Kocr
1	0.09	0.09	0	3	2.68E-08	9.48E-07	0	1.1	0	0	0	3.11	14	0.01	2.14	0
2	0.14	0.09	0.02	3	1.09E-09	3.72E-08	0	1.06	0	0	0	6.79	14	0.01	1.36	0
3	0.2	0.09	0.08	3	0.00E+00	0.00E+00	0	0.92	0	0	0	11.55	14	0.01	0.89	0
4	0.27	0.09	0.21	3	0.00E+00	0.00E+00	0	0.61	0	0	0	10.93	14	0	0.62	0
5	0.33	0.09	0.31	3	4.08E-10	3.98E-08	0	3.05	0	0	0	28.91	14	0.02	1.6	0
6	0.42	0.54	0.28	9	4.81E-07	7.31E-04	1	47.4	0	0	0	79.35	14	0.24	19.45	0
7	0.47	9.61	0.29	6	1.05E-03	9.65E+00	9	285.96	88	44	228.16	290.72	0	0	0	0
8	0.53	139.56	0.4	7	5.08E-03	7.00E+01	16	430.17	100	46	343.22	437.33	0	0	0	0
9	0.61	150.16	0.55	7	1.06E-02	1.84E+02	21	540.99	100	47	431.64	549.98	0	0	0	0
10	0.66	140.38	0.58	7	7.43E-03	1.34E+02	21	562.66	100	47	448.93	572.02	0	0	0	0
11	0.76	128.78	0.68	7	5.31E-03	9.73E+01	21	571.55	100	47	456.02	581.05	0	0	0	0
12	0.79	131.77	0.72	7	3.54E-03	6.64E+01	21	585.71	100	47	467.32	595.45	0	0	0	0
13	0.86	121.16	0.84	7	2.62E-03	5.09E+01	21	606.62	100	47	484	616.7	0	0	0	0
14	0.94	121.53	0.97	6	1.99E-03	4.10E+01	22	643.09	100	47	513.1	653.79	0	0	0	0
15	1	135.03	1.11	6	2.63E-03	6.26E+01	26	742.89	100	48	592.73	755.25	0	0	0	0
16	1.07	202.36	1.38	7	4.25E-03	1.19E+02	31	871.92	100	49	695.68	886.42	0	0	0	0
17	1.13	250.03	1.54	7	6.11E-03	1.96E+02	37	1000.9	100	50	798.59	1017.55	0	0	0	0
18	1.19	267.61	1.7	7	6.41E-03	2.20E+02	40	1069.51	100	50	853.33	1087.29	0	0	0	0
19	1.25	258.37	1.8	7	5.85E-03	2.08E+02	41	1109.72	100	50	885.42	1128.18	0	0	0	0
20	1.32	266.07	1.9	7	4.71E-03	1.75E+02	42	1157.81	100	51	923.79	1177.07	0	0	0	0
21	1.38	270.24	2.26	7	3.40E-03	1.28E+02	41	1174.88	100	51	937.41	1194.42	0	0	0	0
22	1.47	224.02	2.28	6	2.30E-03	8.60E+01	40	1165.47	100	50	929.9	1184.86	0	0	0	0
23	1.52	208.61	2.22	6	1.42E-03	5.00E+01	36	1100.26	100	50	877.87	1118.56	0	0	0	0
24	1.58	175.27	2.23	6	1.01E-03	3.36E+01	33	1036.97	100	49	827.37	1054.22	0	0	0	0
25	1.66	155.15	2.05	6	6.59E-04	2.01E+01	29	951.02	100	49	758.79	966.84	0	0	0	0
26	1.72	126.96	1.82	6	5.09E-04	1.40E+01	26	861.43	100	48	687.31	875.76	0	0	0	0
27	1.8	113.37	1.58	6	4.19E-04	1.04E+01	23	771.21	100	47	615.33	784.03	0	0	0	0
28	1.85	101.59	1.28	6	4.71E-04	1.00E+01	20	665.4	100	46	530.9	676.46	0	0	0	0
29	1.94	86.36	0.67	6	5.76E-04	1.04E+01	17	566.18	93	44	451.74	575.59	0	0	0	0
30	1.99	78.03	0.55	6	7.33E-04	1.13E+01	15	479.55	85	43	382.62	487.53	0	0	0	0
31	2.05	71.05	0.48	6	6.51E-04	9.14E+00	13	438.19	81	43	349.62	445.48	0	0	0	0
32	2.12	61.62	0.42	6	5.10E-04	6.63E+00	12	406.24	77	42	324.13	413	0	0	0	0
33	2.19	54.37	0.4	6	3.55E-04	4.31E+00	11	378.94	74	41	302.34	385.24	0	0	0	0
34	2.24	47.67	0.4	6	2.35E-04	2.70E+00	10	358.78	71	41	286.26	364.74	0	0	0	0
35	2.31	41.78	0.4	6	1.47E-04	1.58E+00	9	334.59	68	41	273.15	348.04	0	0	0	0
36	2.38	36.79	0.41	6	8.88E-05	8.37E-01	8	294.23	66	41	263.2	335.37	0	0	0	0
37	2.47	32.53	0.45	6	5.61E-05	4.76E-01	8	264.7	64	41	257.3	327.85	0	0	0	0
38	2.52	30.72	0.47	6	4.05E-05	3.16E-01	8	243.65	63	41	251.17	320.04	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
39	2.56	28.91	0.44	6	3.43E-05	2.48E-01	7	225.51	61	40	239.61	305.31	0	0	0	0
40	2.63	25.74	0.37	6	2.99E-05	2.00E-01	7	208.81	59	40	227.51	289.89	0	0	0	0
41	2.71	24.47	0.36	6	2.75E-05	1.73E-01	6	196.93	57	39	217.83	277.56	0	0	0	0
42	2.76	24.47	0.35	6	2.88E-05	1.78E-01	6	193.55	56	39	212.31	270.52	0	0	0	0
43	2.85	24.47	0.29	6	3.26E-05	2.02E-01	6	193.52	55	39	207.49	264.38	0	0	0	0
44	2.9	24.47	0.27	6	3.86E-05	2.39E-01	6	193.61	54	38	201.4	256.62	0	0	0	0
45	2.96	24.51	0.24	6	4.29E-05	2.66E-01	6	193.81	53	38	197.8	252.04	0	0	0	0
46	3.02	24.56	0.23	6	4.03E-05	2.41E-01	6	186.76	52	38	192.7	245.54	0	0	0	0
47	3.13	21.84	0.23	6	3.40E-05	1.92E-01	6	176.93	51	38	188.34	239.98	0	0	0	0
48	3.17	20.84	0.23	6	2.68E-05	1.42E-01	5	165.32	50	38	183.73	234.1	0	0	0	0
49	3.22	20.21	0.23	6	2.28E-05	1.17E-01	5	159.52	49	38	182.47	232.5	0	0	0	0
50	3.31	19.67	0.24	6	2.01E-05	1.01E-01	5	157.08	49	38	183.76	234.15	0	0	0	0
51	3.35	19.94	0.25	6	2.08E-05	1.07E-01	5	161.4	49	38	187.78	239.26	0	0	0	0
52	3.42	21.84	0.25	6	2.54E-05	1.42E-01	6	174.63	50	38	195.95	249.67	0	0	0	0
53	3.51	24.65	0.26	6	3.20E-05	1.96E-01	6	191.22	51	38	205.77	262.18	0	0	0	0
54	3.55	26.19	0.27	6	3.73E-05	2.44E-01	6	203.99	52	38	213.46	271.99	0	0	0	0
55	3.64	26.64	0.28	6	3.76E-05	2.50E-01	6	207.37	52	38	216.7	276.12	0	0	0	0
56	3.7	25.92	0.27	6	3.52E-05	2.30E-01	6	204.23	52	38	216.02	275.24	0	0	0	0
57	3.75	25.01	0.27	6	3.07E-05	1.92E-01	6	195.51	51	38	211.92	270.02	0	0	0	0
58	3.84	23.38	0.26	6	2.68E-05	1.61E-01	6	187.46	50	38	208.33	265.45	0	0	0	0
59	3.88	22.93	0.26	6	2.39E-05	1.38E-01	6	180.17	49	38	204.29	260.31	0	0	0	0
60	3.96	22.29	0.25	6	2.10E-05	1.17E-01	6	174.12	48	37	202.18	257.61	0	0	0	0
61	4.02	21.12	0.26	5	1.62E-05	8.43E-02	6	162.53	47	37	197.81	252.05	0	0	0	0
62	4.08	18.58	0.27	5	9.75E-06	4.41E-02	5	141.27	45	37	188.49	240.17	0	0	0	0
63	4.17	14.32	0.26	5	5.64E-06	3.79E-02	5	209.87	43	37	176.63	225.05	0	0	0	0
64	4.22	13.14	0.24	5	3.63E-06	2.09E-02	4	179.29	40	37	163.4	208.2	0	0	0	0
65	4.27	12.05	0.22	5	3.22E-06	1.72E-02	4	166.95	39	37	155.56	198.21	0	0	0	0
66	4.34	11.69	0.2	5	3.02E-06	1.56E-02	4	161.02	38	37	151.72	193.31	0	0	0	0
67	4.41	11.87	0.21	5	2.96E-06	1.48E-02	4	156.36	38	37	147.87	188.42	0	0	0	0
68	4.47	11.06	0.18	5	2.75E-06	1.34E-02	4	151.64	37	36	145.35	185.2	0	0	0	0
69	4.55	10.69	0.18	5	2.66E-06	1.28E-02	3	149.81	37	36	144.42	184.01	0	0	0	0
70	4.6	11.51	0.2	5	1.91E-06	8.83E-03	3	144.62	37	37	148.11	188.72	0	0	0	0
71	4.69	9.97	0.26	5	1.56E-06	7.36E-03	4	147.48	37	38	156.65	199.61	0	0	0	0
72	4.74	11.33	0.29	5	1.07E-06	5.00E-03	4	145.8	37	39	165.78	211.23	0	0	0	0
73	4.79	11.15	0.36	5	1.39E-06	7.88E-03	4	176.69	40	39	191.55	244.07	0	0	0	0
74	4.89	16.58	0.49	4	1.29E-06	9.07E-03	5	219.8	0	0	0	307.94	14	1.12	7.85	0
75	4.93	20.57	0.94	4	1.83E-06	1.69E-02	7	288.26	0	0	0	378.84	14	1.47	10.19	0
76	5.02	25.83	1.01	5	2.55E-06	2.77E-02	8	338.94	53	42	329.36	419.66	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
77	5.08	27.46	0.79	5	3.65E-06	4.34E-02	8	371.45	54	41	338.24	430.98	0	0	0	0
78	5.12	27.55	0.87	9	2.50E-06	2.89E-02	8	360.57	0	0	0	447.88	14	1.84	12.28	0
79	5.19	23.56	1.39	9	1.06E-06	1.14E-02	8	335.32	0	0	0	486.63	14	1.71	11.27	0
80	5.26	22.11	1.8	8	8.16E-06	1.00E-01	14	383.48	69	43	528.3	673.15	0	0	0	0
81	5.32	99.59	1.81	8	1.05E-05	1.61E-01	17	476.8	76	44	627.5	799.55	0	0	0	0
82	5.41	58.54	2.76	8	2.71E-05	6.04E-01	22	695.21	87	45	770.69	982	0	0	0	0
83	5.46	103.99	3.04	8	2.14E-05	4.92E-01	24	718.84	89	46	832.2	1060.38	0	0	0	0
84	5.52	108.39	3.09	8	3.87E-05	1.06E+00	26	852.56	94	46	886.24	1129.23	0	0	0	0
85	5.59	108.66	2.82	6	6.68E-05	1.85E+00	26	865.74	92	46	815.35	1038.9	0	0	0	0
86	5.64	108.93	1.25	6	2.03E-04	7.32E+00	31	1128.34	100	45	900.27	1147.1	0	0	0	0
87	5.71	221.85	2.97	6	7.77E-04	3.09E+01	38	1240.81	100	47	990.01	1261.45	0	0	0	0
88	5.78	285.01	2.4	6	1.37E-03	6.53E+01	48	1488.63	100	48	1187.73	1513.39	0	0	0	0
89	5.85	311.29	2.76	6	2.15E-03	1.00E+02	50	1461.11	100	48	1165.78	1485.41	0	0	0	0
90	5.93	274.77	2.17	6	1.63E-03	7.30E+01	46	1397.64	100	48	1115.14	1420.89	0	0	0	0
91	5.98	206.8	2.16	6	6.45E-04	2.47E+01	37	1197.89	100	46	955.77	1217.82	0	0	0	0
92	6.05	93.43	2.01	6	2.89E-04	9.78E+00	30	1056.56	97	45	843	1074.13	0	0	0	0
93	6.13	138.74	1.64	6	1.72E-04	5.25E+00	26	953.63	90	44	760.88	969.49	0	0	0	0
94	6.17	128.68	1.64	6	1.32E-04	3.44E+00	23	815.79	84	44	679.61	865.94	0	0	0	0
95	6.27	39.96	1.24	6	3.34E-05	5.87E-01	17	549.3	73	43	586.51	747.32	0	0	0	0
96	6.31	38.83	1.48	8	3.90E-06	6.76E-02	12	541.77	61	43	487.53	621.2	0	0	0	0
97	6.37	38.83	1.76	9	2.86E-06	4.86E-02	12	531.02	0	0	0	644.12	14	2.71	14.55	0
98	6.44	37.7	1.76	9	2.60E-06	4.63E-02	13	556.37	0	0	0	686.59	14	2.84	15.06	0
99	6.51	44.31	2.12	9	2.65E-06	5.68E-02	15	668.02	0	0	0	821.19	14	3.41	17.91	0
100	6.56	62.8	3.67	9	7.33E-07	1.49E-02	16	632.29	0	0	0	980.86	14	3.23	16.8	0
101	6.63	30.09	6.37	9	4.63E-07	1.04E-02	19	700.63	0	0	0	1181.21	14	3.57	18.43	0
102	6.7	59	7.2	9	2.03E-07	4.33E-03	19	665.5	0	0	0	1302.34	14	3.4	17.34	0
103	6.79	55.19	8.79	9	6.15E-06	2.19E-01	41	1110.18	0	0	0	2051.01	14	9.91	49.92	0
104	6.83	303.77	10.73	8	2.28E-05	1.25E+00	56	1718.46	100	51	1966.23	2505.33	0	0	0	0
105	6.9	287.09	9.97	8	5.78E-05	4.10E+00	66	2214.38	100	51	2141.04	2728.06	0	0	0	0
106	6.96	241.24	8.42	8	5.50E-05	3.55E+00	61	2017.61	100	51	1968.27	2507.92	0	0	0	0
107	7.03	230	7.67	8	5.88E-05	3.49E+00	55	1854.94	100	50	1788.04	2278.28	0	0	0	0
108	7.12	226.1	6.43	8	3.83E-05	1.78E+00	45	1448.48	100	49	1508.56	1922.17	0	0	0	0
109	7.17	88.81	4.55	8	1.47E-05	4.42E-01	32	942.32	95	47	1167.74	1487.91	0	0	0	0
110	7.22	40.15	3.54	9	1.76E-06	4.65E-02	20	826.6	0	0	0	1094.78	14	4.22	19.97	0
111	7.31	49.84	4.11	9	8.69E-07	1.76E-02	16	632.81	0	0	0	951.98	14	3.23	15.1	0
112	7.36	47.31	3.11	9	1.25E-06	2.46E-02	15	615.53	0	0	0	867.39	14	3.14	14.59	0
113	7.42	36.52	1.52	9	1.66E-06	2.73E-02	12	513.86	0	0	0	687.67	14	2.62	12.08	0
114	7.49	28.09	1	4	2.42E-06	3.52E-02	11	455.1	0	0	0	568.91	14	2.32	10.59	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
115	7.55	34.75	1.25	5	2.49E-06	3.50E-02	10	437.7	52	41	427.01	544.08	0	0	0	0
116	7.64	32.81	1.19	4	2.37E-06	3.50E-02	11	460.47	0	0	0	577.49	14	2.35	10.51	0
117	7.7	32.99	1.4	9	1.79E-06	2.60E-02	11	454.24	0	0	0	599.71	14	2.32	10.29	0
118	7.74	33.44	1.69	9	1.84E-06	2.89E-02	12	489.16	0	0	0	642.32	14	2.5	11.02	0
119	7.83	40.33	1.7	9	1.16E-06	1.73E-02	12	467.32	0	0	0	667.47	14	2.38	10.4	0
120	7.89	28.37	2.09	9	4.99E-07	6.49E-03	11	405.87	0	0	0	675.03	14	2.07	8.97	0
121	7.95	20.3	2.55	9	2.14E-07	2.44E-03	10	355.92	0	0	0	689.71	14	1.82	7.81	0
122	8.03	29.63	2.81	9	7.82E-07	1.35E-02	14	539.01	0	0	0	826.49	14	2.75	11.7	0
123	8.08	67.61	2.9	9	3.42E-06	9.11E-02	19	832.84	0	0	0	978.02	14	4.25	17.99	0
124	8.15	83.28	3.05	8	5.51E-06	1.72E-01	21	971.9	73	45	821.39	1046.6	0	0	0	0
125	8.21	59.45	3.14	9	2.68E-06	7.02E-02	19	819.19	0	0	0	1005.4	14	4.18	17.4	0
126	8.28	34.89	3.24	9	1.11E-06	2.38E-02	17	667.79	0	0	0	960.75	14	3.41	14.07	0
127	8.34	50.84	3.53	9	1.28E-06	2.88E-02	17	701.16	0	0	0	982.96	14	3.58	14.66	0
128	8.41	66.61	3.27	9	2.77E-06	7.62E-02	20	859.66	0	0	0	1048.73	14	4.39	17.84	0
129	8.46	68.87	3.15	9	4.98E-06	1.50E-01	20	940.81	0	0	0	1032.06	14	4.8	19.39	0
130	8.54	68.24	2.45	8	6.03E-06	1.04E-01	20	537.31	71	44	781.96	996.35	0	0	0	0
131	8.6	66.52	2.5	8	7.25E-06	1.23E-01	19	529.31	69	43	745.09	949.38	0	0	0	0
132	8.69	65.88	2.29	8	6.95E-06	1.15E-01	19	516.66	68	43	732.87	933.8	0	0	0	0
133	8.75	63.53	2.26	8	5.34E-06	1.43E-01	18	834.33	66	43	709.27	903.74	0	0	0	0
134	8.83	51.56	2.37	9	3.36E-06	7.96E-02	17	739.92	0	0	0	871.59	14	3.78	14.61	0
135	8.87	45.67	2.31	9	2.16E-06	4.52E-02	15	654.07	0	0	0	834.79	14	3.34	12.86	0
136	8.93	45.13	2.19	9	1.84E-06	3.61E-02	15	612.1	0	0	0	803.99	14	3.12	11.96	0
137	8.99	42.59	2.07	9	1.54E-06	2.79E-02	14	566.36	0	0	0	768.38	14	2.89	10.98	0
138	9.08	35.89	1.95	9	1.22E-06	2.01E-02	13	515.17	0	0	0	728.89	14	2.63	9.9	0
139	9.12	34.17	1.82	9	8.93E-07	1.37E-02	12	479.29	0	0	0	717.4	14	2.45	9.16	0
140	9.2	34.89	2.16	9	8.24E-07	1.41E-02	14	535.13	0	0	0	812.87	14	2.73	10.15	0
141	9.26	47.85	3.43	9	1.45E-06	3.06E-02	16	660.52	0	0	0	906.02	14	3.37	12.45	0
142	9.36	60.9	2.58	9	4.17E-06	1.17E-01	19	873.54	0	0	0	989.25	14	4.46	16.28	0
143	9.41	80.47	2.08	5	1.61E-05	3.31E-01	22	642.41	72	43	782.76	997.37	0	0	0	0
144	9.46	101.5	2.06	6	4.56E-05	1.22E+00	26	837.53	79	44	845.37	1077.15	0	0	0	0
145	9.55	134.21	2.43	6	5.90E-05	1.79E+00	28	946.53	83	44	911.69	1161.66	0	0	0	0
146	9.6	121.44	2.68	6	5.45E-05	1.73E+00	30	992.12	85	45	969.38	1235.16	0	0	0	0
147	9.65	118.67	2.93	8	3.64E-05	1.12E+00	30	957.06	85	45	1005.93	1281.73	0	0	0	0
148	9.73	121.07	3.43	8	2.66E-05	8.03E-01	30	942.3	85	45	1048.42	1335.87	0	0	0	0
149	9.78	115.91	3.72	8	2.18E-05	6.63E-01	31	947.71	85	45	1092.6	1392.17	0	0	0	0
150	9.88	120.71	3.91	8	2.10E-05	6.44E-01	32	957.57	86	45	1111.95	1416.82	0	0	0	0
151	9.92	124.79	3.77	8	2.08E-05	6.56E-01	32	985.55	87	45	1146.43	1460.76	0	0	0	0
152	9.98	126.42	4.3	8	1.83E-05	6.48E-01	37	1107.54	92	46	1318.96	1680.6	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	SPT N60 (blows/feet)	Constrained Mod. (tsf)	Dr (%)	Friction angle (°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	Und. strength ratio	Kocr
153	10.06	166.47	7.11	8	1.96E-05	8.49E-01	45	1349.37	100	48	1586.01	2020.86	0	0	0	0
154	10.12	215.41	8.48	8	3.99E-05	2.28E+00	55	1783.3	100	49	1843.89	2349.44	0	0	0	0
155	10.2	289.09	7.05	8	1.13E-04	8.23E+00	64	2265.12	100	49	1938.41	2469.88	0	0	0	0
156	10.26	347.09	5.69	8	2.34E-04	1.75E+01	65	2339.38	100	49	1866.53	2378.29	0	0	0	0
157	10.31	298.24	5.5	8	2.04E-04	1.39E+01	59	2128.62	100	48	1698.37	2164.03	0	0	0	0
158	10.38	184.6	4.91	8	1.34E-04	8.00E+00	52	1864.83	100	47	1548.5	1973.07	0	0	0	0
159	10.45	218.67	4.34	8	9.72E-05	5.10E+00	47	1637.45	100	47	1441.03	1836.13	0	0	0	0
160	10.5	212.96	4.49	8	1.09E-04	5.77E+00	47	1649.84	100	47	1421.49	1811.24	0	0	0	0
161	10.59	189.22	4.39	8	9.28E-05	4.98E+00	48	1673.79	100	47	1485.4	1892.67	0	0	0	0
162	10.63	227.65	5.56	8	1.19E-04	7.84E+00	57	2057.08	100	48	1745.17	2223.66	0	0	0	0
163	10.7	356.69	7.91	8	1.64E-04	1.34E+01	69	2557.2	100	49	2046.88	2608.09	0	0	0	0
164	10.77	376.72	8.18	8	2.42E-04	2.25E+01	81	2901.18	100	50	2314.77	2949.43	0	0	0	0
165	10.83	432.18	8.45	8	2.69E-04	2.59E+01	85	3012.94	100	50	2403.94	3063.05	0	0	0	0
166	10.9	424.48	8.89	8	2.68E-04	2.58E+01	85	3007.4	100	50	2399.52	3057.42	0	0	0	0
167	10.96	374.09	8.09	8	2.44E-04	2.25E+01	80	2871.51	100	50	2291.1	2919.27	0	0	0	0
168	11.03	357.05	7.1	8	1.89E-04	1.63E+01	74	2693.56	100	49	2149.12	2738.36	0	0	0	0
169	11.12	304.13	7.48	6	4.01E-04	2.75E+01	63	2138.51	100	48	1706.26	2174.08	0	0	0	0
170	11.16	280.57	0	6	1.50E-03	7.62E+01	52	1580.82	100	47	1261.29	1607.11	0	0	0	0
171	11.23	299.87	0	0	0.00E+00	0.00E+00	0	273.44	0	0	0	277.98	0	0	0	0
172	11.3	333.49	0	7	0.00E+00	0.00E+00	0	299.72	100	53	239.14	304.7	0	0	0	0
173	11.36	368.2	0	7	0.00E+00	0.00E+00	0	370.58	100	54	295.68	376.75	0	0	0	0
174	11.45	536.13	0	7	0.00E+00	0.00E+00	0	484.49	100	56	386.56	492.55	0	0	0	0
175	11.5	713.29	0	7	0.00E+00	0.00E+00	0	587.99	100	57	469.14	597.77	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
1	9.19	40.68	0	1	0.77	0	0.01	8.37	233.16	0.58	120.94	28.72	0.76	93.95	0.43
2	6.3	60.11	0	1	0.15	0	0.01	26.07	497.66	5.33	120.94	28.72	0.76	93.95	0.43
3	4.12	78.4	0	1	0.05	0	0.01	54.34	678.89	14.05	120.94	28.72	0.76	93.95	0.43
4	2.88	76.28	0	1	0.02	0	0	54.34	473.81	26.28	120.94	28.72	0.76	93.95	0.43
5	7.4	124.04	0	1	0.06	0	0.02	43.82	982.07	32.32	120.94	28.72	0.76	93.95	0.43
6	41.15	205.51	0	1	0.8	0	0.24	3.45	429.74	0.58	120.94	28.72	0.76	93.95	0.43
7	0	393.36	-0.24	0	0	0	0.01	1	272.67	0.96	120.94	28.72	0.76	93.95	0.43
8	0	482.46	-0.28	0	0	0	0.02	1	362.24	1.02	120.94	28.72	0.76	93.95	0.43
9	0	541.04	-0.31	0	0	0	0.02	1	436.36	1.07	120.94	28.72	0.76	93.95	0.43
10	0	551.78	-0.31	0	0	0	0.02	1	446.4	1.08	120.94	28.72	0.76	93.95	0.43
11	0	556.12	-0.31	0	0	0	0.02	1	438.93	1.07	120.94	28.72	0.76	93.95	0.43
12	0	562.96	-0.31	0	0	0	0.02	1	438.06	1.07	120.94	28.72	0.76	93.95	0.43
13	0	572.92	-0.31	0	0	0	0.03	1	446.76	1.08	120.94	28.72	0.76	93.95	0.43
14	0	589.9	-0.32	0	0	0	0.03	1	461.28	1.08	120.94	28.72	0.76	93.95	0.43
15	0	634.02	-0.34	0	0	0	0.03	1	521.27	1.12	120.94	28.72	0.76	93.95	0.43
16	0	686.88	-0.36	0	0	0	0.04	1	601.87	1.16	120.94	28.72	0.76	93.95	0.43
17	0	735.93	-0.37	0	0	0	0.04	1	674.99	1.19	120.94	28.72	0.76	93.95	0.43
18	0	760.73	-0.38	0	0	0	0.04	1	709.01	1.2	120.94	28.72	0.76	93.95	0.43
19	0	774.9	-0.38	0	0	0	0.04	1	724.22	1.21	120.94	28.72	0.76	93.95	0.43
20	0	791.52	-0.39	0	0	0	0.05	1	741.98	1.22	120.94	28.72	0.76	93.95	0.43
21	0	797.33	-0.39	0	0	0	0.05	1	741.48	1.22	120.94	28.72	0.76	93.95	0.43
22	0	794.13	-0.38	0	0	0	0.05	1	717.79	1.21	120.94	28.72	0.76	93.95	0.43
23	0	771.59	-0.37	0	0	0	0.05	1	666.55	1.19	120.94	28.72	0.76	93.95	0.43
24	0	749.07	-0.36	0	0	0	0.05	1	618.22	1.16	120.94	28.72	0.76	93.95	0.43
25	0	717.36	-0.35	0	0	0	0.05	1	552.65	1.13	120.94	28.72	0.76	93.95	0.43
26	0	682.73	-0.33	0	0	0	0.06	1	491.96	1.1	120.94	28.72	0.76	93.95	0.43
27	0	645.99	-0.31	0	0	0	0.06	1	429.74	1.07	120.94	28.72	0.76	93.95	0.43
28	0	600.04	-0.29	0	0	0	0.06	1	363.92	1.02	120.94	28.72	0.76	93.95	0.43
29	0	553.5	-0.26	0	0	0	0.06	1	304.38	0.98	120.94	28.72	0.76	93.95	0.43
30	0	509.4	-0.23	0	0	0	0.05	1	255.29	0.94	120.94	28.72	0.76	93.95	0.43
31	0	486.94	-0.22	0	0	0	0.05	1	229.8	0.92	120.94	28.72	0.76	93.95	0.43
32	0	468.85	-0.21	0	0	0	0.06	1	208.34	0.9	120.94	28.72	0.76	93.95	0.43
33	0	452.82	-0.19	0	0	0	0.06	1	189.81	0.88	120.94	28.72	0.76	93.95	0.43
34	0	440.61	-0.18	0	0	0	0.06	1	175.88	0.86	120.94	28.72	0.76	93.95	0.43
35	0	430.4	-0.18	0	0	0	0.06	1.08	175.37	0.86	120.94	28.72	0.76	93.95	0.43
36	0	422.49	-0.18	0	0	0	0.06	1.17	178.87	0.86	120.94	28.72	0.76	93.95	0.43
37	0	417.73	-0.18	0	0	0	0.06	1.23	176.75	0.86	120.94	28.72	0.76	93.95	0.43
38	0	412.72	-0.18	0	0	0	0.06	1.26	173.25	0.86	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
39	0	403.11	-0.17	0	0	0	0.06	1.28	164.57	0.85	120.94	28.72	0.76	93.95	0.43
40	0	392.8	-0.16	0	0	0	0.06	1.29	154.94	0.83	120.94	28.72	0.76	93.95	0.43
41	0	384.36	-0.15	0	0	0	0.07	1.3	146.2	0.82	120.94	28.72	0.76	93.95	0.43
42	0	379.45	-0.15	0	0	0	0.07	1.29	140.54	0.81	120.94	28.72	0.76	93.95	0.43
43	0	375.12	-0.14	0	0	0	0.07	1.28	134.04	0.8	120.94	28.72	0.76	93.95	0.43
44	0	369.57	-0.14	0	0	0	0.07	1.26	127.98	0.8	120.94	28.72	0.76	93.95	0.43
45	0	366.26	-0.13	0	0	0	0.07	1.25	123.95	0.79	120.94	28.72	0.76	93.95	0.43
46	0	361.51	-0.13	0	0	0	0.07	1.26	119.45	0.78	120.94	28.72	0.76	93.95	0.43
47	0	357.39	-0.12	0	0	0	0.07	1.28	115.13	0.77	120.94	28.72	0.76	93.95	0.43
48	0	352.99	-0.12	0	0	0	0.07	1.3	112.21	0.77	120.94	28.72	0.76	93.95	0.43
49	0	351.78	-0.12	0	0	0	0.07	1.32	111.29	0.77	120.94	28.72	0.76	93.95	0.43
50	0	353.02	-0.11	0	0	0	0.07	1.34	110.78	0.77	120.94	28.72	0.76	93.95	0.43
51	0	356.86	-0.12	0	0	0	0.08	1.33	112.31	0.77	120.94	28.72	0.76	93.95	0.43
52	0	364.54	-0.12	0	0	0	0.08	1.31	114.81	0.77	120.94	28.72	0.76	93.95	0.43
53	0	373.56	-0.12	0	0	0	0.08	1.28	117.8	0.78	120.94	28.72	0.76	93.95	0.43
54	0	380.48	-0.13	0	0	0	0.08	1.27	120.88	0.78	120.94	28.72	0.76	93.95	0.43
55	0	383.36	-0.13	0	0	0	0.08	1.27	120.96	0.78	120.94	28.72	0.76	93.95	0.43
56	0	382.75	-0.13	0	0	0	0.08	1.27	119.73	0.78	120.94	28.72	0.76	93.95	0.43
57	0	379.1	-0.12	0	0	0	0.09	1.29	116.85	0.78	120.94	28.72	0.76	93.95	0.43
58	0	375.88	-0.12	0	0	0	0.09	1.3	113.62	0.77	120.94	28.72	0.76	93.95	0.43
59	0	372.22	-0.12	0	0	0	0.09	1.32	111.06	0.77	120.94	28.72	0.76	93.95	0.43
60	0	370.29	-0.11	0	0	0	0.09	1.33	109.09	0.76	120.94	28.72	0.76	93.95	0.43
61	0	366.27	-0.11	0	0	0	0.09	1.37	108.04	0.76	120.94	28.72	0.76	93.95	0.43
62	0	357.53	-0.11	0	0	0	0.09	1.48	106.41	0.76	120.94	28.72	0.76	93.95	0.43
63	0	346.1	-0.11	0	0	0	0.09	1.65	105.62	0.76	120.94	28.72	0.76	93.95	0.43
64	0	332.89	-0.11	0	0	0	0.09	1.83	105.06	0.76	120.94	28.72	0.76	93.95	0.43
65	0	324.8	-0.1	0	0	0	0.09	1.9	101.74	0.75	120.94	28.72	0.76	93.95	0.43
66	0	320.77	-0.1	0	0	0	0.09	1.93	99.37	0.75	120.94	28.72	0.76	93.95	0.43
67	0	316.68	-0.09	0	0	0	0.1	1.94	96.19	0.74	120.94	28.72	0.76	93.95	0.43
68	0	313.96	-0.09	0	0	0	0.1	1.98	95.03	0.74	120.94	28.72	0.76	93.95	0.43
69	0	312.95	-0.09	0	0	0	0.1	2	93.87	0.74	120.94	28.72	0.76	93.95	0.43
70	0	316.93	-0.1	0	0	0	0.1	2.21	103.05	0.75	120.94	28.72	0.76	93.95	0.43
71	0	325.95	-0.12	0	0	0	0.11	2.35	112.61	0.77	120.94	28.72	0.76	93.95	0.43
72	0	335.3	-0.14	0	0	0	0.11	2.65	129.79	0.8	120.94	28.72	0.76	93.95	0.43
73	0	360.43	-0.15	0	0	0	0.11	2.44	139.24	0.81	120.94	28.72	0.76	93.95	0.43
74	23.31	404.85	0	1	1.85	0	1.12	2.5	176.4	0.58	120.94	28.72	0.76	93.95	0.43
75	29.2	449.04	0	1	1.78	0	1.47	2.23	197.75	0.58	120.94	28.72	0.76	93.95	0.43
76	0	472.61	-0.2	0	0	0	0.13	2.03	200.82	0.89	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
77	0	478.95	-0.19	0	0	0	0.13	1.83	190.1	0.88	120.94	28.72	0.76	93.95	0.43
78	34.37	488.25	0	1	1.77	0	1.84	2.04	212.02	0.58	120.94	28.72	0.76	93.95	0.43
79	34.52	508.93	0	1	1.24	0	1.71	2.66	278.08	0.58	120.94	28.72	0.76	93.95	0.43
80	0	598.57	-0.23	0	0	0	0.14	1.52	255.99	0.94	120.94	28.72	0.76	93.95	0.43
81	0	652.35	-0.25	0	0	0	0.15	1.46	294.27	0.97	120.94	28.72	0.76	93.95	0.43
82	0	722.96	-0.28	0	0	0	0.16	1.3	343.09	1.01	120.94	28.72	0.76	93.95	0.43
83	0	751.26	-0.29	0	0	0	0.16	1.33	368.52	1.03	120.94	28.72	0.76	93.95	0.43
84	0	775.26	-0.29	0	0	0	0.17	1.26	389.54	1.04	120.94	28.72	0.76	93.95	0.43
85	0	743.61	-0.28	0	0	0	0.17	1.21	355.58	1.02	120.94	28.72	0.76	93.95	0.43
86	0	781.37	-0.28	0	0	0	0.17	1	352.71	1.02	120.94	28.72	0.76	93.95	0.43
87	0	819.39	-0.31	0	0	0	0.18	1	429.75	1.07	120.94	28.72	0.76	93.95	0.43
88	0	897.5	-0.34	0	0	0	0.19	1	536.98	1.12	120.94	28.72	0.76	93.95	0.43
89	0	889.16	-0.34	0	0	0	0.19	1	544.22	1.13	120.94	28.72	0.76	93.95	0.43
90	0	869.64	-0.33	0	0	0	0.19	1	506.36	1.11	120.94	28.72	0.76	93.95	0.43
91	0	805.1	-0.3	0	0	0	0.18	1	400.64	1.05	120.94	28.72	0.76	93.95	0.43
92	0	756.11	-0.27	0	0	0	0.18	1	328.76	1	120.94	28.72	0.76	93.95	0.43
93	0	718.34	-0.25	0	0	0	0.17	1.03	292.25	0.97	120.94	28.72	0.76	93.95	0.43
94	0	678.89	-0.24	0	0	0	0.17	1.1	270.84	0.95	120.94	28.72	0.76	93.95	0.43
95	0	630.68	-0.23	0	0	0	0.17	1.28	239.26	0.93	120.94	28.72	0.76	93.95	0.43
96	0	575.01	-0.22	0	0	0	0.17	1.8	231.2	0.92	120.94	28.72	0.76	93.95	0.43
97	42.5	585.52	0	1	1.59	0	2.71	1.96	252.44	0.58	120.94	28.72	0.76	93.95	0.43
98	44.56	604.51	0	1	1.48	0	2.84	2.01	271.99	0.58	120.94	28.72	0.76	93.95	0.43
99	53.04	661.12	0	1	1.33	0	3.41	2	321.76	0.58	120.94	28.72	0.76	93.95	0.43
100	56.26	722.54	0	1	0.78	0	3.23	3	511.34	0.58	120.94	28.72	0.76	93.95	0.43
101	64.55	792.91	0	1	0.61	0	3.57	3.49	682.75	0.58	120.94	28.72	0.76	93.95	0.43
102	65.61	832.57	0	1	0.45	0	3.4	4.56	907.32	0.58	120.94	28.72	0.76	93.95	0.43
103	138.71	1044.82	0	1	1.09	0	9.91	1.62	678.82	0.58	120.94	28.72	0.76	93.95	0.43
104	0	1154.76	-0.39	0	0	0	0.24	1.32	760.41	1.22	120.94	28.72	0.76	93.95	0.43
105	0	1204.99	-0.4	0	0	0	0.25	1.23	830.36	1.25	120.94	28.72	0.76	93.95	0.43
106	0	1155.35	-0.39	0	0	0	0.25	1.23	758.75	1.22	120.94	28.72	0.76	93.95	0.43
107	0	1101.19	-0.38	0	0	0	0.25	1.22	685.96	1.19	120.94	28.72	0.76	93.95	0.43
108	0	1011.47	-0.35	0	0	0	0.24	1.27	571.35	1.14	120.94	28.72	0.76	93.95	0.43
109	0	889.91	-0.31	0	0	0	0.23	1.39	441.85	1.07	120.94	28.72	0.76	93.95	0.43
110	63.15	763.34	0	1	1.02	0	4.22	2.26	433.28	0.58	120.94	28.72	0.76	93.95	0.43
111	50.92	711.82	0	1	0.88	0	3.23	2.84	437.66	0.58	120.94	28.72	0.76	93.95	0.43
112	47.74	679.46	0	1	1.06	0	3.14	2.52	364.94	0.58	120.94	28.72	0.76	93.95	0.43
113	38.62	604.99	0	1	1.37	0	2.62	2.3	269.74	0.58	120.94	28.72	0.76	93.95	0.43
114	32.86	550.27	0	1	1.81	0	2.32	2.06	204.78	0.58	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
115	0	538.13	-0.19	0	0	0	0.19	2.04	193.48	0.88	120.94	28.72	0.76	93.95	0.43
116	32.83	554.41	0	1	1.8	0	2.35	2.07	205.68	0.58	120.94	28.72	0.76	93.95	0.43
117	33	564.98	0	1	1.59	0	2.32	2.25	225.21	0.58	120.94	28.72	0.76	93.95	0.43
118	35.3	584.7	0	1	1.53	0	2.5	2.23	238.67	0.58	120.94	28.72	0.76	93.95	0.43
119	34.75	596.04	0	1	1.28	0	2.38	2.58	272.12	0.58	120.94	28.72	0.76	93.95	0.43
120	32.2	599.4	0	1	0.96	0	2.07	3.41	332.31	0.58	120.94	28.72	0.76	93.95	0.43
121	30.11	605.89	0	1	0.72	0	1.82	4.49	409.29	0.58	120.94	28.72	0.76	93.95	0.43
122	40.62	663.25	0	1	0.98	0	2.75	2.94	361.45	0.58	120.94	28.72	0.76	93.95	0.43
123	55.4	721.49	0	1	1.42	0	4.25	1.87	313.19	0.58	120.94	28.72	0.76	93.95	0.43
124	0	746.36	-0.26	0	0	0	0.24	1.66	309.74	0.99	120.94	28.72	0.76	93.95	0.43
125	54.92	731.52	0	1	1.3	0	4.18	2	332.33	0.58	120.94	28.72	0.76	93.95	0.43
126	47.78	715.1	0	1	1.01	0	3.41	2.62	378.97	0.58	120.94	28.72	0.76	93.95	0.43
127	49.29	723.31	0	1	1.05	0	3.58	2.5	373.33	0.58	120.94	28.72	0.76	93.95	0.43
128	56.52	747.12	0	1	1.3	0	4.39	1.98	338.76	0.58	120.94	28.72	0.76	93.95	0.43
129	58.74	741.16	0	1	1.59	0	4.8	1.7	301.74	0.58	120.94	28.72	0.76	93.95	0.43
130	0	728.22	-0.25	0	0	0	0.24	1.62	282.66	0.96	120.94	28.72	0.76	93.95	0.43
131	0	710.85	-0.24	0	0	0	0.24	1.56	262.59	0.95	120.94	28.72	0.76	93.95	0.43
132	0	704.99	-0.24	0	0	0	0.24	1.57	257.54	0.94	120.94	28.72	0.76	93.95	0.43
133	0	693.55	-0.23	0	0	0	0.24	1.67	255.92	0.94	120.94	28.72	0.76	93.95	0.43
134	46.23	681.11	0	1	1.6	0	3.78	1.87	262.56	0.58	120.94	28.72	0.76	93.95	0.43
135	42.16	666.57	0	1	1.43	0	3.34	2.13	271.78	0.58	120.94	28.72	0.76	93.95	0.43
136	39.75	654.16	0	1	1.4	0	3.12	2.23	268.89	0.58	120.94	28.72	0.76	93.95	0.43
137	37.06	639.51	0	1	1.37	0	2.89	2.36	265.07	0.58	120.94	28.72	0.76	93.95	0.43
138	34.07	622.86	0	1	1.32	0	2.63	2.54	262.35	0.58	120.94	28.72	0.76	93.95	0.43
139	32.32	617.93	0	1	1.21	0	2.45	2.81	275.31	0.58	120.94	28.72	0.76	93.95	0.43
140	36.09	657.76	0	1	1.08	0	2.73	2.89	315.7	0.58	120.94	28.72	0.76	93.95	0.43
141	42.5	694.43	0	1	1.21	0	3.37	2.41	309.81	0.58	120.94	28.72	0.76	93.95	0.43
142	51.55	725.62	0	1	1.62	0	4.46	1.77	276.49	0.58	120.94	28.72	0.76	93.95	0.43
143	0	728.6	-0.23	0	0	0	0.26	1.37	248.88	0.93	120.94	28.72	0.76	93.95	0.43
144	0	757.18	-0.24	0	0	0	0.26	1.25	272.73	0.96	120.94	28.72	0.76	93.95	0.43
145	0	786.32	-0.25	0	0	0	0.27	1.22	294.61	0.97	120.94	28.72	0.76	93.95	0.43
146	0	810.81	-0.26	0	0	0	0.28	1.23	311.77	0.99	120.94	28.72	0.76	93.95	0.43
147	0	825.95	-0.27	0	0	0	0.28	1.27	318.53	0.99	120.94	28.72	0.76	93.95	0.43
148	0	843.22	-0.27	0	0	0	0.28	1.3	327.41	1	120.94	28.72	0.76	93.95	0.43
149	0	860.8	-0.27	0	0	0	0.29	1.33	339.02	1.01	120.94	28.72	0.76	93.95	0.43
150	0	868.39	-0.28	0	0	0	0.29	1.33	342.79	1.01	120.94	28.72	0.76	93.95	0.43
151	0	881.75	-0.28	0	0	0	0.29	1.33	352.55	1.02	120.94	28.72	0.76	93.95	0.43
152	0	945.78	-0.3	0	0	0	0.31	1.35	403.87	1.05	120.94	28.72	0.76	93.95	0.43

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
153	0	1037.11	-0.33	0	0	0	0.32	1.34	483.37	1.1	120.94	28.72	0.76	93.95	0.43
154	0	1118.25	-0.35	0	0	0	0.34	1.26	570.08	1.14	120.94	28.72	0.76	93.95	0.43
155	0	1146.56	-0.36	0	0	0	0.34	1.13	602.08	1.16	120.94	28.72	0.76	93.95	0.43
156	0	1125.1	-0.35	0	0	0	0.34	1	553.42	1.13	120.94	28.72	0.76	93.95	0.43
157	0	1073.22	-0.33	0	0	0	0.33	1	494.77	1.1	120.94	28.72	0.76	93.95	0.43
158	0	1024.78	-0.32	0	0	0	0.33	1.1	470.86	1.09	120.94	28.72	0.76	93.95	0.43
159	0	988.58	-0.31	0	0	0	0.33	1.16	444.48	1.07	120.94	28.72	0.76	93.95	0.43
160	0	981.85	-0.31	0	0	0	0.33	1.14	435.46	1.07	120.94	28.72	0.76	93.95	0.43
161	0	1003.68	-0.32	0	0	0	0.33	1.17	455.36	1.08	120.94	28.72	0.76	93.95	0.43
162	0	1087.91	-0.34	0	0	0	0.35	1.12	528.85	1.12	120.94	28.72	0.76	93.95	0.43
163	0	1178.2	-0.36	0	0	0	0.36	1.05	598.31	1.15	120.94	28.72	0.76	93.95	0.43
164	0	1252.93	-0.37	0	0	0	0.37	1	673.18	1.19	120.94	28.72	0.76	93.95	0.43
165	0	1276.83	-0.38	0	0	0	0.38	1	705.72	1.2	120.94	28.72	0.76	93.95	0.43
166	0	1275.66	-0.38	0	0	0	0.38	1	702.07	1.2	120.94	28.72	0.76	93.95	0.43
167	0	1246.51	-0.37	0	0	0	0.38	1	661.3	1.18	120.94	28.72	0.76	93.95	0.43
168	0	1207.27	-0.36	0	0	0	0.37	1	603.52	1.16	120.94	28.72	0.76	93.95	0.43
169	0	1075.71	-0.34	0	0	0	0.36	1	518.21	1.12	120.94	28.72	0.76	93.95	0.43
170	0	924.87	-0.31	0	0	0	0.35	1	446.07	1.08	120.94	28.72	0.76	93.95	0.43
171	0	384.65	0	0	0	0	0	1	924.78	0	120.94	28.72	0.76	93.95	0.43
172	0	402.71	-0.43	0	0	0	0.43	1	1008.01	0	120.94	28.72	0.76	93.95	0.43
173	0	447.8	-0.46	0	0	0	0.46	1	1239.43	0	120.94	28.72	0.76	93.95	0.43
174	0	512.02	-0.5	0	0	0	0.49	1	1608.23	0	120.94	28.72	0.76	93.95	0.43
175	0	564.06	-0.53	0	0	0	0.52	1	1943.13	0	120.94	28.72	0.76	93.95	0.43

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	In situ data					Basic output data										
No	Depth (ft)	qc (tsf)	fs (tsf)	u (psi)	Other	qt (tsf)	Rf(%)	SBT	Ic SBT	γ (pcf)	σ,v (tsf)	u0 (tsf)	σ',vo (tsf)	Qt1	Fr (%)	Bq
1	0.09	0.82	0.05	1.04	0	0.71	9.68	2	4.26	120.94	0.01	0	0.01	131.32	9.76	0.11
2	0.14	0.45	0.11	1.13	0	0.44	28.95	2	4.7	120.94	0.01	0	0.01	52	29.51	0.15
3	0.24	0	0.22	0.43	0	0.58	30.33	2	4.61	120.94	0.01	0	0.01	39.45	31.1	0.08
4	0.28	1.27	0.2	0.26	0	1.24	17.86	2	4.2	120.94	0.02	0	0.02	71.91	18.11	0.01
5	0.33	2.45	0.24	0	0	20.74	1.53	4	2.59	120.94	0.02	0	0.02	1025.89	1.53	0
6	0.43	58.51	0.51	-0.96	0	53.57	0.84	5	2.1	120.94	0.03	0	0.03	2078.66	0.84	0
7	0.47	99.78	0.6	-0.61	0	89.19	0.64	6	1.85	120.94	0.03	0	0.03	3123.9	0.64	0
8	0.53	109.31	0.6	-0.41	0	101.35	0.59	6	1.79	120.94	0.03	0	0.03	3173.2	0.59	0
9	0.59	94.97	0.61	-0.41	0	99.5	0.61	6	1.8	120.94	0.04	0	0.04	2778.58	0.61	0
10	0.67	94.25	0.6	-0.41	0	91.1	0.67	6	1.86	120.94	0.04	0	0.04	2254.25	0.67	0
11	0.74	84.09	0.63	-0.17	0	86.84	0.74	6	1.9	120.94	0.04	0	0.04	1942.2	0.74	0
12	0.81	82.18	0.7	-0.17	0	83.72	0.83	6	1.94	120.94	0.05	0	0.05	1714.65	0.83	0
13	0.86	84.91	0.75	-0.52	0	84.08	0.91	6	1.96	120.94	0.05	0	0.05	1621.53	0.91	0
14	0.94	85.18	0.84	-0.52	0	83.87	0.96	6	1.98	120.94	0.06	0	0.06	1477.7	0.96	0
15	1	81.55	0.83	-0.35	0	81.03	1.02	6	2.01	120.94	0.06	0	0.06	1340.34	1.02	0
16	1.05	76.38	0.81	-0.52	0	74.92	1.08	6	2.05	120.94	0.06	0	0.06	1173.36	1.08	0
17	1.13	66.85	0.78	-0.7	0	68.17	1.15	5	2.1	120.94	0.07	0	0.07	994.92	1.15	0
18	1.19	61.32	0.76	-0.96	0	59.85	1.27	5	2.17	120.94	0.07	0	0.07	829.39	1.28	0
19	1.28	51.43	0.74	-0.78	0	53.54	1.4	5	2.23	120.94	0.08	0	0.08	688.01	1.4	0
20	1.31	47.9	0.73	-0.61	0	47.49	1.53	5	2.3	120.94	0.08	0	0.08	597.64	1.54	0
21	1.38	43.18	0.71	-0.61	0	42.17	1.74	5	2.37	120.94	0.08	0	0.08	504.76	1.74	0
22	1.47	35.47	0.76	-0.61	0	37.03	2.05	5	2.46	120.94	0.09	0	0.09	414.45	2.05	0
23	1.51	32.47	0.81	-0.87	0	32.31	2.41	4	2.55	120.94	0.09	0	0.09	352.41	2.42	0
24	1.58	29.03	0.77	-0.7	0	28.26	2.71	4	2.63	120.94	0.1	0	0.1	295.32	2.72	0
25	1.67	23.31	0.72	-1.13	0	24.33	2.99	4	2.71	120.94	0.1	0	0.1	240.46	3	0
26	1.72	20.68	0.68	-1.22	0	20	3.39	4	2.81	120.94	0.1	0	0.1	191.33	3.41	0
27	1.78	16.06	0.63	-0.35	0	16.2	3.85	3	2.91	120.94	0.11	0	0.11	149.58	3.88	0
28	1.86	11.88	0.56	0	0	13.03	4.36	3	3.02	120.94	0.11	0	0.11	114.69	4.4	0
29	1.91	11.16	0.52	0.26	0	11.28	4.38	3	3.07	120.94	0.12	0	0.12	96.58	4.43	0
30	1.98	10.79	0.4	-0.35	0	10.76	3.75	3	3.05	120.94	0.12	0	0.12	88.83	3.79	0
31	2.05	10.34	0.29	-1.48	0	10.48	3.02	3	3	120.94	0.12	0	0.12	83.53	3.06	-0.01
32	2.1	10.34	0.26	-0.61	0	10.93	2.34	3	2.93	120.94	0.13	0	0.13	84.9	2.37	-0.01
33	2.18	12.16	0.22	-0.61	0	12.09	1.93	4	2.84	120.94	0.13	0	0.13	90.74	1.95	0
34	2.24	13.79	0.22	-0.61	0	14.48	1.5	4	2.72	120.94	0.14	0	0.14	105.69	1.52	0
35	2.31	17.51	0.21	-0.61	0	16.02	1.35	4	2.66	120.94	0.14	0	0.14	113.52	1.36	0
36	2.38	16.78	0.22	-0.61	0	15.75	1.37	4	2.67	120.94	0.14	0	0.14	108.27	1.38	0
37	2.44	12.97	0.22	-0.35	0	14.02	1.57	4	2.74	120.94	0.15	0	0.15	93.95	1.58	0
38	2.5	12.34	0.23	-1.04	0	12.42	1.83	4	2.82	120.94	0.15	0	0.15	81.02	1.85	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
39	2.58	11.97	0.24	-0.17	0	12.12	1.9	4	2.84	120.94	0.16	0	0.16	76.67	1.92	0
40	2.63	12.06	0.22	-0.09	0	11.99	1.91	4	2.84	120.94	0.16	0	0.16	74.41	1.93	0
41	2.72	11.97	0.22	-1.22	0	11.81	1.9	4	2.85	120.94	0.16	0	0.16	70.8	1.93	0
42	2.77	11.43	0.23	-0.87	0	11.54	1.96	4	2.86	120.94	0.17	0	0.17	67.77	1.99	-0.01
43	2.82	11.25	0.23	-0.74	0	10.51	2.17	3	2.92	120.94	0.17	0	0.17	60.58	2.2	-0.01
44	2.91	8.89	0.23	-0.74	0	9.12	2.52	3	3.01	120.94	0.18	0	0.18	50.79	2.57	-0.01
45	2.97	7.26	0.23	-0.74	0	7.37	3.08	3	3.13	120.94	0.18	0	0.18	40	3.16	-0.01
46	3.02	5.99	0.22	-0.35	0	6.55	3.26	3	3.19	120.94	0.18	0	0.18	34.88	3.35	-0.01
47	3.1	6.44	0.19	-0.78	0	6.4	2.95	3	3.18	120.94	0.19	0	0.19	33.16	3.04	-0.01
48	3.15	6.8	0.16	-1.13	0	6.91	2.3	3	3.09	120.94	0.19	0	0.19	35.25	2.36	-0.01
49	3.26	7.53	0.13	-0.7	0	6.76	2.01	3	3.07	120.94	0.2	0	0.2	33.34	2.08	-0.01
50	3.3	5.99	0.12	-0.61	0	6.01	2.05	3	3.12	120.94	0.2	0	0.2	29.11	2.12	-0.01
51	3.35	4.54	0.12	-1.3	0	4.76	2.4	3	3.24	120.94	0.2	0	0.2	22.49	2.51	-0.02
52	3.45	3.81	0.1	-1.3	0	3.74	2.81	3	3.36	120.94	0.21	0	0.21	16.9	2.98	-0.02
53	3.48	2.9	0.09	-0.17	0	3.23	3.09	3	3.44	120.94	0.21	0	0.21	14.33	3.3	-0.01
54	3.56	2.99	0.1	0.61	0	3.36	3.02	3	3.42	120.94	0.22	0	0.22	14.61	3.23	0.01
55	3.62	4.17	0.11	0.26	0	3.75	3.01	3	3.38	120.94	0.22	0	0.22	16.16	3.2	0.01
56	3.69	4.08	0.13	0.57	0	3.88	3.16	3	3.38	120.94	0.22	0	0.22	16.36	3.35	0.01
57	3.77	3.36	0.13	0.26	0	3.51	3.98	3	3.47	120.94	0.23	0	0.23	14.39	4.26	0.01
58	3.83	3.08	0.16	0.52	0	2.76	5.43	2	3.63	120.94	0.23	0	0.23	10.88	5.93	0.01
59	3.87	1.81	0.16	0.26	0	2.17	5.58	2	3.72	120.94	0.23	0	0.23	8.29	6.25	0
60	3.96	1.63	0.05	-0.52	0	2.54	3.24	3	3.54	120.94	0.24	0	0.24	9.59	3.58	0
61	4.03	4.17	0.04	0.22	0	3.32	1.31	3	3.26	120.94	0.24	0	0.24	12.64	1.41	0
62	4.07	4.17	0.04	0	0	4.48	0.95	3	3.08	120.94	0.25	0	0.25	17.17	1	0
63	4.14	5.08	0.04	0.17	0	4.48	0.94	3	3.08	120.94	0.25	0	0.25	16.87	0.99	0
64	4.21	4.17	0.04	0.43	0	3.33	1.36	3	3.27	120.94	0.25	0	0.25	12.07	1.47	0.01
65	4.31	0.73	0.05	0.09	0	1.88	2.71	3	3.62	120.94	0.26	0	0.26	6.21	3.15	0.01
66	4.36	0.73	0.06	-0.09	0	0.7	8.66	2	4.24	120.94	0.26	0	0.26	1.65	13.9	-0.01
67	4.4	0.64	0.07	-0.17	0	1.06	7.4	2	4.05	120.94	0.27	0	0.27	2.97	9.89	-0.02
68	4.5	1.81	0.11	-0.26	0	1.72	5.83	2	3.82	120.94	0.27	0	0.27	5.32	6.93	-0.01
69	4.55	2.72	0.13	-0.35	0	2.75	4.61	3	3.59	120.94	0.28	0	0.28	8.98	5.13	-0.01
70	4.6	3.72	0.15	-0.35	0	3.5	4.24	3	3.48	120.94	0.28	0	0.28	11.6	4.6	0
71	4.66	4.08	0.17	0.26	0	4.44	3.8	3	3.37	120.94	0.28	0	0.28	14.77	4.05	0
72	4.74	5.53	0.19	0.26	0	5.05	3.69	3	3.31	120.94	0.29	0	0.29	16.62	3.91	0
73	4.79	5.53	0.2	0.26	0	5.57	3.55	3	3.27	120.94	0.29	0	0.29	18.21	3.74	0.01
74	4.89	5.62	0.2	0.78	0	5.6	3.61	3	3.27	120.94	0.3	0	0.3	17.94	3.81	0.01
75	4.93	5.62	0.2	0.87	0	5.66	3.53	3	3.26	120.94	0.3	0	0.3	17.98	3.73	0.01
76	5	5.71	0.19	0.78	0	5.66	3.39	3	3.25	120.94	0.3	0	0.3	17.72	3.58	0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
77	5.08	5.62	0.18	1.13	0	5.51	3.34	3	3.26	120.94	0.31	0	0.31	16.96	3.54	0.01
78	5.12	5.17	0.18	1.04	0	5.31	3.41	3	3.28	120.94	0.31	0	0.31	16.14	3.62	0.02
79	5.19	5.08	0.18	1.57	0	5.1	3.6	3	3.3	120.94	0.31	0	0.31	15.25	3.84	0.02
80	5.26	4.99	0.19	1.48	0	5.44	3.71	3	3.29	120.94	0.32	0	0.32	16.09	3.94	0.02
81	5.36	6.17	0.23	1.74	0	5.8	3.86	3	3.27	120.94	0.32	0	0.32	16.91	4.09	0.02
82	5.39	6.17	0.25	1.91	0	6.56	4.03	3	3.24	120.94	0.33	0	0.33	19.14	4.24	0.02
83	5.46	7.26	0.31	2.26	0	7.59	4.1	3	3.19	120.94	0.33	0	0.33	21.99	4.28	0.02
84	5.56	9.25	0.37	2.35	0	8.89	4.02	3	3.13	120.94	0.34	0	0.34	25.46	4.17	0.02
85	5.6	10.07	0.39	2	0	9.95	3.91	3	3.09	120.94	0.34	0	0.34	28.36	4.05	0.02
86	5.65	10.43	0.41	2.09	0	10.36	3.92	3	3.07	120.94	0.34	0	0.34	29.33	4.05	0.01
87	5.74	10.52	0.42	0.7	0	10.26	3.99	3	3.08	120.94	0.35	0	0.35	28.59	4.13	0.01
88	5.79	9.8	0.4	0.26	0	9.89	4.06	3	3.1	120.94	0.35	0	0.35	27.24	4.2	0
89	5.84	9.34	0.38	0.65	0	9.38	4.07	3	3.12	120.94	0.35	0	0.35	25.54	4.23	0
90	5.93	8.98	0.36	-0.09	0	9.17	3.97	3	3.12	120.94	0.36	0	0.36	24.55	4.13	0
91	5.99	9.16	0.35	0.61	0	9.14	3.84	3	3.11	120.94	0.36	0	0.36	24.24	4	0
92	6.05	9.25	0.34	1.13	0	9.32	3.74	3	3.1	120.94	0.37	0	0.37	24.48	3.89	0.01
93	6.13	9.52	0.35	1.3	0	10.39	3.5	3	3.04	120.94	0.37	0	0.37	27.05	3.63	0.01
94	6.18	12.34	0.4	1.48	0	12.3	3.28	3	2.97	120.94	0.37	0	0.37	31.92	3.38	0.01
95	6.26	14.97	0.46	1.83	0	14.42	3.1	3	2.9	120.94	0.38	0	0.38	37.07	3.19	0.01
96	6.33	15.87	0.48	1.65	0	15.84	3.01	3	2.85	120.94	0.38	0	0.38	40.4	3.08	0.01
97	6.38	16.6	0.48	1.65	0	16.59	2.9	4	2.83	120.94	0.39	0	0.39	42.02	2.97	0.01
98	6.47	17.24	0.48	1.74	0	17.56	2.71	4	2.79	120.94	0.39	0	0.39	43.92	2.77	0.01
99	6.52	18.78	0.47	1.74	0	18.47	2.52	4	2.76	120.94	0.39	0	0.39	45.88	2.57	0.01
100	6.56	19.32	0.45	1.39	0	19.47	2.21	4	2.7	120.94	0.4	0	0.4	48.05	2.26	0.01
101	6.66	20.23	0.37	1.48	0	19.68	2	4	2.67	120.94	0.4	0	0.4	47.87	2.04	0.01
102	6.71	19.41	0.36	1.65	0	19.41	1.86	4	2.66	120.94	0.41	0	0.41	46.81	1.9	0.01
103	6.76	18.51	0.35	1.39	0	18.04	1.97	4	2.7	120.94	0.41	0	0.41	43.12	2.01	0.01
104	6.84	16.15	0.35	1.3	0	16.68	2.19	4	2.76	120.94	0.41	0	0.41	39.32	2.25	0.01
105	6.9	15.33	0.39	1.04	0	15.63	2.59	4	2.82	120.94	0.42	0	0.42	36.44	2.66	0.01
106	6.99	15.33	0.47	2.52	0	15.36	3	3	2.87	120.94	0.42	0	0.42	35.35	3.09	0.01
107	7.04	15.33	0.53	2.52	0	15.52	3.41	3	2.89	120.94	0.43	0	0.43	35.47	3.5	0.01
108	7.1	15.78	0.59	2.78	0	16.34	3.54	3	2.89	120.94	0.43	0	0.43	37.07	3.64	0.01
109	7.18	17.78	0.62	3.05	0	17.73	3.43	3	2.85	120.94	0.43	0	0.43	39.83	3.51	0.01
110	7.22	19.5	0.61	3.39	0	20.27	3.05	4	2.77	120.94	0.44	0	0.44	45.42	3.11	0.01
111	7.29	23.4	0.62	3.57	0	24.26	2.63	4	2.67	120.94	0.44	0	0.44	54.06	2.68	0.01
112	7.38	29.75	0.69	2.78	0	29.43	2.31	4	2.57	120.94	0.45	0	0.45	64.99	2.35	0.01
113	7.43	35.01	0.74	2.26	0	35.74	2.05	5	2.47	120.94	0.45	0	0.45	78.54	2.08	0
114	7.5	42.36	0.77	2	0	40.02	1.93	5	2.42	120.94	0.45	0	0.45	87.24	1.95	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
115	7.57	42.63	0.8	0.35	0	41.76	1.91	5	2.4	120.94	0.46	0	0.46	90.21	1.94	0
116	7.62	40.28	0.82	-1.39	0	39.53	2.06	5	2.44	120.94	0.46	0	0.46	84.8	2.09	0
117	7.7	35.74	0.82	-2.78	0	36.46	2.25	4	2.49	120.94	0.47	0	0.47	77.36	2.28	0
118	7.77	33.47	0.82	-2.78	0	35	2.35	4	2.52	120.94	0.47	0	0.47	73.53	2.38	-0.01
119	7.81	35.92	0.82	-2.7	0	34.52	2.39	4	2.53	120.94	0.47	0	0.47	72.08	2.42	-0.01
120	7.89	34.29	0.83	-2.44	0	35.4	2.37	4	2.52	120.94	0.48	0	0.48	73.15	2.4	-0.01
121	7.96	36.1	0.86	-2.52	0	35.25	2.46	4	2.53	120.94	0.48	0	0.48	72.25	2.5	-0.01
122	8.03	35.47	0.91	-3.65	0	35.29	2.54	4	2.54	120.94	0.49	0	0.49	71.68	2.57	-0.01
123	8.08	34.47	0.92	-4.79	0	34.4	2.64	4	2.56	120.94	0.49	0	0.49	69.4	2.68	-0.01
124	8.15	33.47	0.9	-5.13	0	33.24	2.7	4	2.57	120.94	0.49	0	0.49	66.45	2.74	-0.01
125	8.24	32.02	0.87	-7.22	0	31.93	2.75	4	2.59	120.94	0.5	0	0.5	63.08	2.79	-0.01
126	8.27	30.57	0.86	-7.05	0	30.16	2.82	4	2.62	120.94	0.5	0	0.5	59.28	2.87	-0.02
127	8.34	28.21	0.82	-8.35	0	27.52	2.96	4	2.66	120.94	0.5	0	0.5	53.57	3.01	-0.02
128	8.42	24.13	0.76	-8.35	0	25.13	3.05	4	2.7	120.94	0.51	0	0.51	48.37	3.11	-0.02
129	8.47	23.4	0.72	-8.35	0	23.59	3.04	4	2.72	120.94	0.51	0	0.51	45.02	3.11	-0.03
130	8.53	23.59	0.67	-8.53	0	23.41	2.84	4	2.71	120.94	0.52	0	0.52	44.38	2.91	-0.03
131	8.62	23.59	0.61	-7.22	0	23.2	2.66	4	2.69	120.94	0.52	0	0.52	43.52	2.72	-0.03
132	8.67	22.77	0.57	-8.01	0	22.2	2.48	4	2.69	120.94	0.52	0	0.52	41.36	2.54	-0.03
133	8.74	20.59	0.47	-8.27	0	20.47	2.35	4	2.7	120.94	0.53	0	0.53	37.74	2.42	-0.03
134	8.81	18.41	0.4	-8.27	0	18.23	2.16	4	2.72	120.94	0.53	0	0.53	33.24	2.22	-0.03
135	8.87	16.06	0.31	-8.61	0	15.87	2.01	4	2.75	120.94	0.54	0	0.54	28.61	2.08	-0.04
136	8.93	13.52	0.25	-8.7	0	13.33	2.12	4	2.83	120.94	0.54	0	0.54	23.68	2.21	-0.05
137	9.01	10.79	0.29	-8.88	0	10.61	2.75	3	2.98	120.94	0.55	0	0.54	18.47	2.9	-0.06
138	9.06	7.89	0.34	-8.88	0	9.65	3.7	3	3.08	120.94	0.55	0	0.55	16.68	3.93	-0.07
139	9.13	10.66	0.44	-8.88	0	8.57	5.17	3	3.21	120.94	0.55	0	0.55	14.62	5.53	-0.08
140	9.19	7.53	0.55	-8.79	0	9.44	6.24	3	3.23	120.94	0.56	0.01	0.55	16.17	6.63	-0.07
141	9.26	10.52	0.78	-8.44	0	11.16	7.37	3	3.22	120.94	0.56	0.01	0.55	19.21	7.76	-0.06
142	9.32	15.78	1.14	-7.57	0	16.97	6.1	3	3.03	120.94	0.56	0.01	0.55	29.63	6.31	-0.04
143	9.39	24.95	1.18	-8.05	0	33.39	3.47	4	2.64	120.94	0.57	0.01	0.56	59.06	3.53	-0.02
144	9.48	59.78	1.15	-8.05	0	56.7	2.2	5	2.34	120.94	0.57	0.02	0.56	100.53	2.22	-0.01
145	9.54	85.72	1.41	-8.05	0	78.26	1.72	5	2.16	120.94	0.58	0.02	0.56	138.74	1.73	-0.01
146	9.58	89.62	1.47	-7.31	0	83.04	1.6	5	2.12	120.94	0.58	0.02	0.56	146.9	1.61	-0.01
147	9.66	74.11	1.11	-8.01	0	78.17	1.62	5	2.15	120.94	0.58	0.02	0.56	137.7	1.63	-0.01
148	9.72	71.12	1.22	-8.18	0	71.1	1.64	5	2.18	120.94	0.59	0.02	0.57	124.7	1.66	-0.01
149	9.8	68.4	1.18	-7.57	0	67.51	1.68	5	2.21	120.94	0.59	0.03	0.57	117.87	1.7	-0.01
150	9.85	63.32	1.01	-6.26	0	66.43	1.51	5	2.18	120.94	0.6	0.03	0.57	115.66	1.52	-0.01
151	9.92	67.85	0.81	-6	0	66.07	1.22	5	2.12	120.94	0.6	0.03	0.57	114.63	1.24	-0.01
152	9.99	67.31	0.61	-6.44	0	66.31	1	5	2.07	120.94	0.6	0.03	0.57	114.63	1.01	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
153	10.04	64.04	0.57	-6.18	0	60.96	0.96	5	2.09	120.94	0.61	0.03	0.57	105.01	0.97	-0.01
154	10.11	51.8	0.57	-6.53	0	54.69	1.05	5	2.15	120.94	0.61	0.03	0.58	93.77	1.06	-0.01
155	10.18	48.53	0.57	-7.13	0	47.77	1.21	5	2.24	120.94	0.62	0.04	0.58	81.49	1.23	-0.01
156	10.24	43.27	0.59	-7.48	0	44.69	1.43	5	2.3	120.94	0.62	0.04	0.58	75.93	1.45	-0.01
157	10.32	42.59	0.75	-6.96	0	41.4	1.72	5	2.38	120.94	0.62	0.04	0.58	69.95	1.74	-0.01
158	10.39	38.64	0.8	-6.87	0	40.95	2.1	5	2.43	120.94	0.63	0.04	0.58	68.94	2.13	-0.01
159	10.45	41.91	1.04	-6.61	0	39.73	2.5	4	2.49	120.94	0.63	0.05	0.59	66.66	2.54	-0.01
160	10.54	38.92	1.15	-5.83	0	38.59	3	4	2.55	120.94	0.64	0.05	0.59	64.41	3.05	-0.01
161	10.59	35.2	1.29	-5.05	0	37.12	3.36	4	2.6	120.94	0.64	0.05	0.59	61.75	3.42	-0.01
162	10.63	37.46	1.3	-5.22	0	42.49	2.97	4	2.52	120.94	0.64	0.05	0.59	70.7	3.02	-0.01
163	10.73	55.06	1.2	-6.61	0	53.52	2.31	5	2.37	120.94	0.65	0.05	0.59	88.87	2.34	-0.01
164	10.78	68.31	1.21	-6.53	0	63.95	2.17	5	2.3	120.94	0.65	0.06	0.6	106.15	2.19	-0.01
165	10.87	68.76	1.74	-6.96	0	66.46	2.34	5	2.31	120.94	0.66	0.06	0.6	109.89	2.36	-0.01
166	10.91	62.59	1.71	-6.87	0	63.4	2.6	5	2.35	120.94	0.66	0.06	0.6	104.54	2.63	-0.01
167	10.96	59.14	1.49	-6.35	0	61.2	2.36	5	2.34	120.94	0.66	0.06	0.6	100.62	2.39	-0.01
168	11.03	62.14	1.14	-5.66	0	62.05	1.85	5	2.26	120.94	0.67	0.06	0.6	101.71	1.87	-0.01
169	11.11	65.13	0.82	-5.05	0	60.28	1.46	5	2.2	120.94	0.67	0.07	0.61	98.4	1.47	-0.01
170	11.16	53.79	0.68	-4	0	57.49	1.21	5	2.17	120.94	0.67	0.07	0.61	93.53	1.22	-0.01
171	11.22	53.75	0.59	-4.87	0	53.68	1.28	5	2.21	120.94	0.68	0.07	0.61	86.99	1.3	-0.01
172	11.29	53.7	0.8	-4.61	0	61.69	1.39	5	2.18	120.94	0.68	0.07	0.61	99.8	1.4	-0.01
173	11.35	77.83	1.18	-5.05	0	70.99	1.48	5	2.15	120.94	0.69	0.07	0.61	114.68	1.49	-0.01
174	11.42	81.64	1.16	-4.35	0	83.91	1.44	5	2.09	120.94	0.69	0.08	0.62	135.31	1.46	0
175	11.49	92.44	1.3	-3.65	0	100.9	1.49	5	2.04	120.94	0.69	0.08	0.62	162.4	1.5	0
176	11.59	128.81	2.04	-5.22	0	119.55	1.55	6	2	120.94	0.7	0.08	0.62	191.66	1.56	0
177	11.62	137.61	2.22	-5.92	0	122.93	1.78	5	2.03	120.94	0.7	0.08	0.62	196.89	1.79	0
178	11.69	102.59	2.32	-4.61	0	106.86	2.14	5	2.13	120.94	0.71	0.08	0.62	170.4	2.15	0
179	11.79	80.55	2.32	-1.57	0	81.87	2.83	5	2.3	120.94	0.71	0.09	0.63	129.71	2.86	0
180	11.81	62.59	2.32	-1.39	0	61.93	3.67	4	2.47	120.94	0.71	0.09	0.63	97.7	3.71	0
181	11.88	42.73	2.17	-2.17	0	44.4	4.53	4	2.63	120.94	0.72	0.09	0.63	69.51	4.6	0
182	11.98	27.94	1.54	-1.3	0	31.63	5.35	3	2.79	120.94	0.72	0.09	0.63	48.94	5.47	0
183	12.02	24.22	1.37	2.61	0	23.56	5.76	3	2.9	120.94	0.73	0.09	0.63	36.1	5.95	0
184	12.08	18.51	1.17	-0.87	0	19.68	5.65	3	2.95	120.94	0.73	0.1	0.63	29.88	5.87	0
185	12.17	16.24	0.8	3.57	0	17.11	5.24	3	2.98	120.94	0.74	0.1	0.64	25.7	5.48	0
186	12.22	16.51	0.72	1.65	0	25.13	2.81	4	2.68	120.94	0.74	0.1	0.64	38.21	2.9	0
187	12.3	42.54	0.6	1.7	0	40.87	1.57	5	2.36	120.94	0.74	0.1	0.64	62.63	1.6	0
188	12.36	63.5	0.6	1.74	0	57.35	1.11	5	2.15	120.94	0.75	0.1	0.64	88.11	1.13	0
189	12.41	65.95	0.71	1.39	0	60.37	1.27	5	2.17	120.94	0.75	0.11	0.64	92.59	1.28	0
190	12.49	51.61	0.98	-0.7	0	53.16	1.78	5	2.3	120.94	0.76	0.11	0.65	81.08	1.81	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
191	12.55	41.91	1.14	-0.43	0	42.7	2.58	4	2.48	120.94	0.76	0.11	0.65	64.72	2.63	0
192	12.6	34.56	1.18	1.93	0	35.36	3.22	4	2.6	120.94	0.76	0.11	0.65	53.26	3.29	0
193	12.67	29.57	1.09	0.61	0	31.16	3.59	4	2.67	120.94	0.77	0.11	0.65	46.65	3.68	0
194	12.73	29.3	1.08	1.39	0	30.11	3.56	4	2.68	120.94	0.77	0.12	0.65	44.9	3.65	0
195	12.8	31.39	1.05	2.7	0	39.17	2.71	4	2.52	120.94	0.77	0.12	0.66	58.57	2.76	0
196	12.89	56.69	1.05	4.44	0	57.05	1.85	5	2.29	120.94	0.78	0.12	0.66	85.5	1.88	0
197	12.95	82.91	1.07	4.18	0	80.22	1.35	5	2.09	120.94	0.78	0.12	0.66	120.41	1.36	0
198	12.99	100.87	1.11	3.83	0	101.03	1.1	6	1.95	120.94	0.79	0.12	0.66	151.65	1.11	0
199	13.07	119.19	1.15	-0.35	0	112.86	1.01	6	1.89	120.94	0.79	0.13	0.66	168.94	1.01	0
200	13.14	118.47	1.14	-0.52	0	118.07	0.96	6	1.86	120.94	0.79	0.13	0.67	176.26	0.97	0
201	13.22	116.56	1.12	-0.7	0	116.19	0.95	6	1.87	120.94	0.8	0.13	0.67	172.86	0.96	0
202	13.28	113.57	1.07	-0.43	0	112.92	0.94	6	1.87	120.94	0.8	0.13	0.67	167.5	0.95	0
203	13.32	108.67	1.01	-0.87	0	107.75	0.94	6	1.89	120.94	0.81	0.13	0.67	159.47	0.94	0
204	13.39	101.05	0.95	-0.83	0	102.1	0.95	6	1.91	120.94	0.81	0.14	0.67	150.6	0.96	0
205	13.47	96.61	0.96	-0.83	0	96.72	0.99	6	1.94	120.94	0.81	0.14	0.68	142.07	1	0
206	13.52	92.53	0.97	-0.78	0	89.94	1.1	6	1.99	120.94	0.82	0.14	0.68	131.76	1.11	0
207	13.61	80.73	1.03	-1.83	0	81.08	1.31	5	2.07	120.94	0.82	0.14	0.68	118.2	1.32	0
208	13.66	70.03	1.18	-1.57	0	68.67	1.76	5	2.21	120.94	0.83	0.15	0.68	99.69	1.78	0
209	13.72	55.33	1.41	-1.3	0	56.01	2.49	5	2.38	120.94	0.83	0.15	0.68	80.88	2.52	0
210	13.8	42.73	1.59	-1.91	0	44.46	3.35	4	2.54	120.94	0.83	0.15	0.68	63.72	3.41	-0.01
211	13.86	35.38	1.47	-1.48	0	36.06	4.08	4	2.67	120.94	0.84	0.15	0.69	51.31	4.18	-0.01
212	13.91	30.12	1.36	-0.96	0	31.62	4.34	4	2.73	120.94	0.84	0.15	0.69	44.74	4.46	-0.01
213	13.98	29.39	1.29	-0.17	0	30.51	4.29	4	2.73	120.94	0.85	0.16	0.69	42.99	4.41	-0.01
214	14.04	32.02	1.28	0.61	0	37.9	3.41	4	2.6	120.94	0.85	0.16	0.69	53.56	3.48	0
215	14.12	52.25	1.31	2.78	0	54.1	2.4	5	2.38	120.94	0.85	0.16	0.69	76.74	2.44	0
216	14.18	77.92	1.31	4.53	0	77.49	1.72	5	2.17	120.94	0.86	0.16	0.7	110.15	1.74	0
217	14.24	102.14	1.37	4.18	0	98.71	1.4	6	2.03	120.94	0.86	0.16	0.7	140.28	1.41	0
218	14.34	115.93	1.47	0.26	0	111.85	1.3	6	1.97	120.94	0.87	0.17	0.7	158.47	1.31	0
219	14.38	117.38	1.51	1.57	0	119.09	1.28	6	1.94	120.94	0.87	0.17	0.7	168.48	1.29	0
220	14.46	123.91	1.6	0.87	0	122.84	1.3	6	1.94	120.94	0.87	0.17	0.7	173.3	1.3	0
221	14.53	127.18	1.66	0.78	0	126.86	1.3	6	1.93	120.94	0.88	0.17	0.71	178.48	1.31	0
222	14.57	129.44	1.68	0.78	0	129.48	1.3	6	1.92	120.94	0.88	0.17	0.71	181.87	1.31	0
223	14.63	131.8	1.71	0.78	0	131.08	1.32	6	1.92	120.94	0.88	0.18	0.71	183.62	1.33	0
224	14.72	131.98	1.8	0.78	0	131.3	1.36	6	1.93	120.94	0.89	0.18	0.71	183.3	1.37	0
225	14.77	130.08	1.86	0.7	0	129.88	1.43	6	1.95	120.94	0.89	0.18	0.71	180.9	1.44	0
226	14.84	127.54	1.92	0.7	0	127.73	1.49	6	1.97	120.94	0.9	0.18	0.71	177.4	1.5	0
227	14.9	125.54	1.93	0.87	0	125.16	1.54	6	1.98	120.94	0.9	0.18	0.72	173.36	1.55	0
228	15	122.37	1.94	1.13	0	123.44	1.57	6	1.99	120.94	0.91	0.19	0.72	170.26	1.58	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
229	15.05	122.37	1.93	1.13	0	122.39	1.57	6	2	120.94	0.91	0.19	0.72	168.44	1.58	0
230	15.1	122.37	1.9	0.96	0	122.3	1.56	6	1.99	120.94	0.91	0.19	0.72	167.98	1.57	0
231	15.16	122.1	1.87	1.39	0	121.48	1.55	6	1.99	120.94	0.92	0.19	0.72	166.44	1.56	0
232	15.24	119.92	1.86	1.3	0	120.15	1.55	6	2	120.94	0.92	0.19	0.73	164.03	1.56	0
233	15.29	118.38	1.85	1.3	0	118.46	1.55	6	2	120.94	0.92	0.2	0.73	161.41	1.57	0
234	15.39	117.02	1.82	1.3	0	117.16	1.56	6	2.01	120.94	0.93	0.2	0.73	159	1.57	0
235	15.42	116.02	1.81	1.57	0	115.68	1.56	6	2.01	120.94	0.93	0.2	0.73	156.75	1.57	0
236	15.49	113.93	1.79	1.57	0	114.38	1.57	6	2.02	120.94	0.94	0.2	0.73	154.56	1.58	0
237	15.56	113.12	1.77	1.39	0	113.14	1.57	5	2.02	120.94	0.94	0.2	0.74	152.42	1.58	0
238	15.62	112.3	1.76	1.91	0	112.51	1.53	6	2.01	120.94	0.94	0.21	0.74	151.21	1.54	0
239	15.72	112.03	1.64	2.09	0	112.18	1.48	6	2.01	120.94	0.95	0.21	0.74	150.15	1.49	0
240	15.77	112.12	1.59	2.09	0	112.12	1.44	6	2	120.94	0.95	0.21	0.74	149.76	1.45	0
241	15.82	112.12	1.6	2.17	0	112.43	1.43	6	1.99	120.94	0.96	0.21	0.74	149.91	1.44	0
242	15.89	112.94	1.63	2.52	0	112.79	1.43	6	1.99	120.94	0.96	0.22	0.75	149.97	1.45	0
243	15.96	113.21	1.63	2.44	0	112.95	1.44	6	1.99	120.94	0.97	0.22	0.75	149.71	1.45	0
244	16.01	112.57	1.62	3.13	0	113.04	1.43	6	1.99	120.94	0.97	0.22	0.75	149.57	1.44	0
245	16.1	113.21	1.61	2.96	0	113.04	1.43	6	1.99	120.94	0.97	0.22	0.75	149.02	1.44	0
246	16.16	113.21	1.61	2.78	0	113.49	1.42	6	1.99	120.94	0.98	0.22	0.75	149.31	1.43	0
247	16.21	113.93	1.62	2.44	0	114.15	1.42	6	1.99	120.94	0.98	0.23	0.76	149.83	1.43	0
248	16.3	115.2	1.64	1.57	0	114.99	1.42	6	1.98	120.94	0.99	0.23	0.76	150.43	1.43	0
249	16.34	115.75	1.63	1.48	0	115.16	1.42	6	1.98	120.94	0.99	0.23	0.76	150.41	1.43	0
250	16.41	114.48	1.63	1.13	0	114.11	1.43	6	1.99	120.94	0.99	0.23	0.76	148.67	1.44	0
251	16.49	112.03	1.63	1.39	0	111.84	1.46	6	2	120.94	1	0.23	0.76	145.22	1.47	0
252	16.54	108.94	1.64	1.39	0	107.24	1.53	5	2.03	120.94	1	0.24	0.76	138.93	1.54	0
253	16.63	100.69	1.64	1.39	0	100.53	1.63	5	2.07	120.94	1.01	0.24	0.77	129.68	1.65	0
254	16.68	91.89	1.64	1.13	0	90.19	1.82	5	2.14	120.94	1.01	0.24	0.77	115.97	1.84	0
255	16.74	77.92	1.64	1.3	0	78.36	2.09	5	2.22	120.94	1.01	0.24	0.77	100.37	2.12	0
256	16.83	65.22	1.63	1.3	0	66.69	2.45	5	2.32	120.94	1.02	0.24	0.77	84.94	2.49	0
257	16.87	56.88	1.63	1.3	0	53.72	3.05	4	2.45	120.94	1.02	0.25	0.77	68.06	3.11	0
258	16.95	39.01	1.66	1.3	0	42.94	3.75	4	2.59	120.94	1.02	0.25	0.78	53.96	3.84	0
259	17.01	32.84	1.53	2.7	0	34.88	4.42	4	2.7	120.94	1.03	0.25	0.78	43.48	4.55	0
260	17.06	32.66	1.43	4.35	0	32.78	4.17	4	2.7	120.94	1.03	0.25	0.78	40.7	4.31	0
261	17.16	32.66	1.14	5.57	0	32.67	3.75	4	2.67	120.94	1.04	0.25	0.78	40.4	3.87	0
262	17.21	32.47	1.11	5.31	0	34.71	3.26	4	2.61	120.94	1.04	0.26	0.78	42.92	3.36	0.01
263	17.27	38.55	1.15	19.4	0	36.28	3.15	4	2.59	120.94	1.04	0.26	0.79	44.83	3.24	0.02
264	17.35	37.28	1.17	12.96	0	37.6	3.03	4	2.56	120.94	1.05	0.26	0.79	46.35	3.11	0.02
265	17.4	36.38	1.1	8.18	0	35.28	3.03	4	2.59	120.94	1.05	0.26	0.79	43.33	3.12	0.01
266	17.48	31.75	0.94	7.92	0	32.96	3.02	4	2.61	120.94	1.06	0.26	0.79	40.27	3.12	0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
267	17.54	30.39	0.95	8.44	0	32.23	2.91	4	2.6	120.94	1.06	0.27	0.79	39.26	3.01	0.02
268	17.59	34.11	0.93	14.44	0	38.67	2.41	4	2.49	120.94	1.06	0.27	0.8	47.27	2.48	0.02
269	17.66	50.89	0.92	19.49	0	52.91	1.75	5	2.3	120.94	1.07	0.27	0.8	65.01	1.78	0.02
270	17.73	72.93	0.92	21.49	0	67.81	1.36	5	2.14	120.94	1.07	0.27	0.8	83.45	1.38	0.01
271	17.83	78.92	0.92	6.35	0	77.14	1.19	5	2.06	120.94	1.08	0.28	0.8	94.79	1.21	0.01
272	17.88	79.1	0.92	5.05	0	78.9	1.17	5	2.05	120.94	1.08	0.28	0.8	96.82	1.18	0
273	17.93	78.47	0.93	4.09	0	77.9	1.19	5	2.06	120.94	1.08	0.28	0.81	95.38	1.21	0
274	18.03	75.93	0.94	4.09	0	76.62	1.23	5	2.07	120.94	1.09	0.28	0.81	93.45	1.24	0
275	18.07	75.29	0.96	4.09	0	75.41	1.28	5	2.09	120.94	1.09	0.28	0.81	91.81	1.3	0
276	18.12	74.84	1	4.09	0	75.22	1.33	5	2.1	120.94	1.1	0.28	0.81	91.4	1.35	0
277	18.21	75.34	1.04	5.22	0	74.92	1.38	5	2.11	120.94	1.1	0.29	0.81	90.72	1.4	0
278	18.26	74.38	1.05	5.39	0	75.11	1.41	5	2.12	120.94	1.1	0.29	0.82	90.79	1.43	0
279	18.34	75.38	1.07	5.74	0	75.34	1.42	5	2.12	120.94	1.11	0.29	0.82	90.82	1.44	0
280	18.39	76.02	1.09	6.09	0	76.41	1.43	5	2.12	120.94	1.11	0.29	0.82	91.93	1.45	0
281	18.45	77.56	1.11	6.7	0	77.38	1.44	5	2.12	120.94	1.12	0.3	0.82	92.92	1.47	0
282	18.51	78.28	1.15	6.26	0	77.89	1.48	5	2.12	120.94	1.12	0.3	0.82	93.35	1.5	0
283	18.6	77.56	1.19	6	0	77.77	1.51	5	2.13	120.94	1.12	0.3	0.82	92.91	1.54	0
284	18.64	77.2	1.19	6	0	77.15	1.54	5	2.14	120.94	1.13	0.3	0.83	92	1.56	0
285	18.74	76.47	1.18	2.26	0	76.55	1.54	5	2.14	120.94	1.13	0.3	0.83	90.96	1.56	0
286	18.79	75.83	1.16	2.44	0	76.08	1.53	5	2.14	120.94	1.14	0.31	0.83	90.24	1.55	0
287	18.88	75.83	1.14	3.05	0	75.87	1.51	5	2.14	120.94	1.14	0.31	0.83	89.67	1.54	0
288	18.92	75.83	1.15	2.61	0	76.14	1.5	5	2.13	120.94	1.14	0.31	0.83	89.9	1.53	0
289	18.98	76.65	1.15	2.7	0	76.69	1.48	5	2.13	120.94	1.15	0.31	0.84	90.36	1.5	0
290	19.08	77.47	1.11	3.48	0	76.37	1.47	5	2.13	120.94	1.15	0.31	0.84	89.63	1.5	0
291	19.12	74.84	1.12	3.44	0	74.89	1.49	5	2.14	120.94	1.16	0.32	0.84	87.74	1.52	0
292	19.17	72.21	1.13	3.39	0	71.81	1.55	5	2.16	120.94	1.16	0.32	0.84	83.93	1.57	0
293	19.26	68.22	1.09	3.39	0	70.64	1.51	5	2.16	120.94	1.16	0.32	0.84	82.28	1.54	0
294	19.31	71.3	0.99	5.48	0	70.03	1.36	5	2.13	120.94	1.17	0.32	0.85	81.41	1.39	0
295	19.36	70.39	0.79	3.22	0	70.08	1.12	5	2.08	120.94	1.17	0.32	0.85	81.33	1.14	0
296	19.44	68.4	0.58	1.83	0	68.15	0.94	6	2.05	120.94	1.18	0.33	0.85	78.82	0.96	0
297	19.5	65.58	0.55	0.87	0	64.84	0.87	6	2.04	120.94	1.18	0.33	0.85	74.77	0.88	0
298	19.56	60.5	0.55	-0.7	0	60.42	0.94	5	2.09	120.94	1.18	0.33	0.85	69.44	0.95	-0.01
299	19.65	55.15	0.59	1	0	55.45	1.04	5	2.14	120.94	1.19	0.33	0.86	63.4	1.07	-0.01
300	19.7	50.71	0.59	-1.74	0	50.98	1.16	5	2.2	120.94	1.19	0.33	0.86	58.09	1.18	-0.01
301	19.75	47.08	0.59	1.13	0	48.96	1.21	5	2.23	120.94	1.19	0.34	0.86	55.62	1.24	-0.01
302	19.83	49.07	0.6	1.74	0	49.5	1.24	5	2.23	120.94	1.2	0.34	0.86	56.09	1.27	0
303	19.89	52.25	0.66	3.05	0	52.41	1.26	5	2.21	120.94	1.2	0.34	0.86	59.34	1.29	0
304	19.98	55.79	0.73	3.13	0	56.29	1.25	5	2.19	120.94	1.21	0.34	0.87	63.65	1.28	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
305	20.02	60.69	0.72	2.87	0	60.83	1.19	5	2.15	120.94	1.21	0.34	0.87	68.79	1.21	0
306	20.08	65.86	0.72	3.57	0	68.33	1.06	5	2.08	120.94	1.21	0.35	0.87	77.29	1.08	0
307	20.17	78.28	0.74	4.7	0	74.16	1	6	2.03	120.94	1.22	0.35	0.87	83.74	1.01	0
308	20.21	78.19	0.76	2.17	0	76.2	0.98	6	2.02	120.94	1.22	0.35	0.87	85.97	1	0
309	20.29	72.02	0.75	1.22	0	72.68	1.02	6	2.04	120.94	1.23	0.35	0.87	81.71	1.04	0
310	20.37	67.76	0.72	0.7	0	68.26	1.09	5	2.08	120.94	1.23	0.35	0.88	76.45	1.11	0
311	20.41	64.95	0.76	0.87	0	64.51	1.26	5	2.14	120.94	1.23	0.36	0.88	72.06	1.28	0
312	20.49	60.78	0.96	1.48	0	60.98	1.54	5	2.21	120.94	1.24	0.36	0.88	67.87	1.57	0
313	20.56	57.15	1.1	2.17	0	56.82	1.86	5	2.29	120.94	1.24	0.36	0.88	62.99	1.9	0
314	20.61	52.43	1.11	2.61	0	52.72	2.06	5	2.34	120.94	1.25	0.36	0.88	58.24	2.11	0
315	20.68	48.44	1.06	4.09	0	49.2	2.13	5	2.38	120.94	1.25	0.36	0.89	54.13	2.19	0
316	20.75	46.54	0.98	5.57	0	48.29	2.03	5	2.37	120.94	1.25	0.37	0.89	52.98	2.09	0
317	20.85	49.62	0.91	9.4	0	50.46	1.84	5	2.33	120.94	1.26	0.37	0.89	55.24	1.88	0.01
318	20.89	54.79	0.89	15.75	0	55.78	1.6	5	2.25	120.94	1.26	0.37	0.89	61.12	1.64	0.01
319	20.95	62.32	0.88	16.88	0	61.09	1.45	5	2.2	120.94	1.27	0.37	0.89	66.94	1.48	0.01
320	21.04	65.58	0.88	8.09	0	64.38	1.37	5	2.16	120.94	1.27	0.38	0.9	70.41	1.4	0.01
321	21.08	64.77	0.88	7.4	0	64.69	1.36	5	2.16	120.94	1.27	0.38	0.9	70.65	1.38	0
322	21.13	63.41	0.87	6.18	0	63.21	1.38	5	2.17	120.94	1.28	0.38	0.9	68.88	1.41	0
323	21.2	61.14	0.88	7.44	0	61.54	1.44	5	2.19	120.94	1.28	0.38	0.9	66.87	1.47	0
324	21.28	59.78	0.92	5.92	0	59.82	1.54	5	2.22	120.94	1.29	0.38	0.9	64.8	1.57	0
325	21.34	58.24	0.96	7.48	0	58.43	1.64	5	2.25	120.94	1.29	0.39	0.91	63.13	1.68	0
326	21.42	56.97	1	8.01	0	57.06	1.72	5	2.27	120.94	1.3	0.39	0.91	61.45	1.76	0
327	21.47	55.61	0.99	9.14	0	55.86	1.77	5	2.28	120.94	1.3	0.39	0.91	60.02	1.81	0
328	21.53	54.61	0.98	9.83	0	54.78	1.79	5	2.29	120.94	1.3	0.39	0.91	58.72	1.84	0.01
329	21.61	53.7	0.98	10.79	0	53.68	1.81	5	2.3	120.94	1.31	0.39	0.91	57.36	1.86	0.01
330	21.66	52.25	0.96	12.27	0	52.81	1.83	5	2.31	120.94	1.31	0.4	0.91	56.31	1.87	0.01
331	21.72	51.98	0.96	12.7	0	52.53	1.83	5	2.31	120.94	1.31	0.4	0.92	55.88	1.87	0.01
332	21.8	52.79	0.96	13.75	0	53.32	1.78	5	2.3	120.94	1.32	0.4	0.92	56.61	1.83	0.01
333	21.85	54.61	0.94	14.18	0	55.11	1.68	5	2.27	120.94	1.32	0.4	0.92	58.46	1.73	0.01
334	21.95	57.33	0.89	14.36	0	57.08	1.59	5	2.25	120.94	1.33	0.4	0.92	60.41	1.63	0.01
335	22	58.69	0.9	14.36	0	59.1	1.55	5	2.23	120.94	1.33	0.41	0.92	62.49	1.59	0.01
336	22.09	60.69	0.96	12.62	0	59.7	1.58	5	2.23	120.94	1.34	0.41	0.93	62.95	1.62	0.01
337	22.13	59.14	0.97	12.36	0	58.9	1.61	5	2.24	120.94	1.34	0.41	0.93	62	1.65	0.01
338	22.19	56.33	0.92	12.4	0	55.21	1.64	5	2.26	120.94	1.34	0.41	0.93	57.92	1.68	0.01
339	22.26	49.62	0.82	12.01	0	50.61	1.65	5	2.3	120.94	1.35	0.41	0.93	52.86	1.7	0.01
340	22.33	45.36	0.77	12.44	0	46.35	1.66	5	2.33	120.94	1.35	0.42	0.93	48.18	1.71	0.01
341	22.38	43.54	0.71	13.05	0	43.22	1.62	5	2.35	120.94	1.35	0.42	0.94	44.75	1.68	0.01
342	22.47	40.19	0.62	13.31	0	40.74	1.61	5	2.36	120.94	1.36	0.42	0.94	41.97	1.66	0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
343	22.52	37.92	0.63	13.14	0	38.76	1.63	5	2.38	120.94	1.36	0.42	0.94	39.79	1.69	0.01
344	22.57	37.69	0.64	7.22	0	37.82	1.7	5	2.4	120.94	1.37	0.42	0.94	38.73	1.77	0.01
345	22.65	37.46	0.66	7.31	0	35.92	1.81	5	2.44	120.94	1.37	0.43	0.94	36.62	1.88	0
346	22.71	32.29	0.65	7.4	0	32.32	1.99	4	2.5	120.94	1.37	0.43	0.95	32.74	2.08	0.01
347	22.8	26.76	0.63	16.79	0	28.35	2.18	4	2.57	120.94	1.38	0.43	0.95	28.45	2.29	0.03
348	22.86	25.31	0.58	24.1	0	27.49	2.1	4	2.57	120.94	1.38	0.43	0.95	27.49	2.21	0.05
349	22.9	29.39	0.53	28.89	0	32.15	1.64	5	2.45	120.94	1.39	0.43	0.95	32.35	1.71	0.05
350	22.99	40.64	0.48	23.49	0	37.88	1.31	5	2.34	120.94	1.39	0.44	0.95	38.26	1.36	0.03
351	23.04	42.63	0.48	14.79	0	42.32	1.13	5	2.26	120.94	1.39	0.44	0.95	42.86	1.17	0.02
352	23.14	43	0.48	9.4	0	42.98	1.11	5	2.25	120.94	1.4	0.44	0.96	43.41	1.15	0.01
353	23.19	42.82	0.47	9.66	0	43.29	1.1	5	2.25	120.94	1.4	0.44	0.96	43.67	1.14	0.01
354	23.23	43.63	0.48	10.35	0	44.05	1.13	5	2.25	120.94	1.4	0.44	0.96	44.4	1.17	0.01
355	23.3	45.27	0.54	10.62	0	45.15	1.21	5	2.25	120.94	1.41	0.45	0.96	45.45	1.25	0.01
356	23.38	46.08	0.62	10.96	0	46.03	1.33	5	2.27	120.94	1.41	0.45	0.96	46.24	1.37	0.01
357	23.43	46.26	0.68	11.57	0	45.92	1.5	5	2.3	120.94	1.42	0.45	0.97	46.05	1.55	0.01
358	23.51	44.9	0.77	13.57	0	44.73	1.71	5	2.35	120.94	1.42	0.45	0.97	44.71	1.76	0.01
359	23.57	42.45	0.85	14.18	0	41.9	1.98	5	2.41	120.94	1.43	0.45	0.97	41.71	2.05	0.01
360	23.66	37.74	0.87	15.57	0	38.84	2.27	5	2.47	120.94	1.43	0.46	0.97	38.44	2.35	0.02
361	23.71	35.65	0.92	16.88	0	35.95	2.62	4	2.54	120.94	1.43	0.46	0.97	35.42	2.73	0.02
362	23.76	33.74	1.03	18.18	0	33.3	3.05	4	2.61	120.94	1.44	0.46	0.98	32.64	3.19	0.03
363	23.86	29.66	1.1	23.23	0	30.58	3.44	4	2.67	120.94	1.44	0.46	0.98	29.77	3.61	0.04
364	23.91	27.39	1.03	25.15	0	27.32	3.73	4	2.73	120.94	1.45	0.47	0.98	26.4	3.94	0.05
365	23.95	23.86	0.93	25.49	0	23.26	3.88	3	2.79	120.94	1.45	0.47	0.98	22.22	4.14	0.07
366	24.05	17.33	0.75	32.63	0	19.87	3.94	3	2.85	120.94	1.45	0.47	0.98	18.7	4.25	0.1
367	24.1	17.05	0.67	36.54	0	18.07	3.7	3	2.86	120.94	1.46	0.47	0.99	16.85	4.03	0.14
368	24.15	18.14	0.59	48.9	0	21.92	2.7	4	2.71	120.94	1.46	0.47	0.99	20.73	2.9	0.16
369	24.22	28.39	0.52	66.65	0	29.62	1.8	5	2.5	120.94	1.46	0.48	0.99	28.46	1.89	0.13
370	24.29	39.82	0.49	58.65	0	39.08	1.3	5	2.32	120.94	1.47	0.48	0.99	37.94	1.35	0.09
371	24.34	46.81	0.51	29.76	0	45.15	1.12	5	2.23	120.94	1.47	0.48	0.99	43.98	1.16	0.04
372	24.43	47.35	0.51	13.14	0	47.32	1.1	5	2.21	120.94	1.48	0.48	1	46.04	1.13	0.02
373	24.48	46.99	0.53	13.1	0	47.81	1.15	5	2.22	120.94	1.48	0.48	1	46.47	1.18	0.01
374	24.57	48.53	0.6	13.1	0	48.33	1.21	5	2.23	120.94	1.49	0.49	1	46.85	1.25	0.01
375	24.63	48.89	0.62	13.05	0	48.81	1.26	5	2.24	120.94	1.49	0.49	1	47.27	1.3	0.01
376	24.67	48.44	0.63	14.44	0	48.46	1.31	5	2.25	120.94	1.49	0.49	1	46.85	1.35	0.01
377	24.74	47.44	0.65	15.57	0	47.39	1.38	5	2.27	120.94	1.5	0.49	1	45.68	1.42	0.01
378	24.82	45.63	0.68	15.57	0	45.25	1.42	5	2.3	120.94	1.5	0.49	1.01	43.45	1.47	0.01
379	24.91	42	0.61	15.57	0	43.07	1.44	5	2.32	120.94	1.51	0.5	1.01	41.17	1.49	0.02
380	24.94	40.91	0.58	15.57	0	40.78	1.41	5	2.33	120.94	1.51	0.5	1.01	38.87	1.46	0.02

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
381	25.01	38.73	0.53	16.79	0	38.95	1.4	5	2.34	120.94	1.51	0.5	1.01	36.98	1.46	0.02
382	25.09	36.47	0.53	19.58	0	37.32	1.41	5	2.36	120.94	1.52	0.5	1.01	35.27	1.47	0.02
383	25.14	35.92	0.53	20.97	0	36.13	1.53	5	2.39	120.94	1.52	0.5	1.02	34.06	1.6	0.03
384	25.2	35.11	0.61	21.84	0	35.31	1.66	5	2.42	120.94	1.52	0.51	1.02	33.18	1.74	0.03
385	25.29	33.93	0.63	23.67	0	34.23	1.79	5	2.45	120.94	1.53	0.51	1.02	32.04	1.87	0.04
386	25.34	32.66	0.6	23.67	0	32.66	1.81	5	2.47	120.94	1.53	0.51	1.02	30.45	1.9	0.04
387	25.4	30.39	0.55	22.01	0	30.93	1.77	5	2.48	120.94	1.54	0.51	1.02	28.7	1.86	0.04
388	25.49	28.76	0.49	22.54	0	29.67	1.69	5	2.49	120.94	1.54	0.51	1.03	27.41	1.78	0.04
389	25.53	28.94	0.46	20.27	0	29.5	1.52	5	2.46	120.94	1.54	0.52	1.03	27.2	1.6	0.03
390	25.61	29.93	0.39	17.49	0	30.23	1.29	5	2.41	120.94	1.55	0.52	1.03	27.85	1.36	0.03
391	25.66	31.02	0.32	17.23	0	31.24	1.07	5	2.36	120.94	1.55	0.52	1.03	28.78	1.12	0.02
392	25.73	32.02	0.29	17.75	0	32.4	0.93	5	2.31	120.94	1.56	0.52	1.03	29.85	0.98	0.03
393	25.8	33.38	0.3	19.32	0	33.68	0.86	5	2.28	120.94	1.56	0.52	1.04	31.02	0.91	0.03
394	25.86	34.83	0.28	19.93	0	37.92	0.76	5	2.21	120.94	1.56	0.53	1.04	35.05	0.79	0.02
395	25.93	44.9	0.28	6.79	0	42.71	0.69	5	2.14	120.94	1.57	0.53	1.04	39.58	0.72	0.01
396	26.01	47.9	0.32	8.35	0	47.56	0.69	5	2.1	120.94	1.57	0.53	1.04	44.14	0.71	0
397	26.06	49.53	0.38	9.57	0	48.45	0.8	5	2.13	120.94	1.58	0.53	1.04	44.93	0.83	0
398	26.16	47.53	0.46	10.09	0	47.5	0.92	5	2.17	120.94	1.58	0.54	1.05	43.89	0.95	0
399	26.2	44.99	0.47	10.62	0	45.24	1.03	5	2.21	120.94	1.58	0.54	1.05	41.68	1.07	0.01
400	26.25	42.73	0.47	11.31	0	42.42	1.08	5	2.25	120.94	1.59	0.54	1.05	38.93	1.12	0.01
401	26.33	39.01	0.43	14.01	0	39.99	1.07	5	2.27	120.94	1.59	0.54	1.05	36.53	1.12	0.01
402	26.39	37.65	0.38	15.23	0	37.81	1.03	5	2.28	120.94	1.6	0.54	1.05	34.39	1.07	0.02
403	26.44	36.1	0.35	16.53	0	36.04	0.95	5	2.28	120.94	1.6	0.54	1.05	32.66	1	0.02
404	26.52	33.65	0.3	18.1	0	34.31	0.89	5	2.28	120.94	1.6	0.55	1.06	30.95	0.93	0.02
405	26.59	32.38	0.27	21.06	0	32.54	0.78	5	2.27	120.94	1.61	0.55	1.06	29.22	0.82	0.03
406	26.68	30.66	0.19	25.06	0	31.7	0.65	5	2.24	120.94	1.61	0.55	1.06	28.35	0.68	0.04
407	26.71	31.02	0.16	26.54	0	32.58	0.5	5	2.18	120.94	1.62	0.55	1.06	29.15	0.52	0.04
408	26.78	34.92	0.14	28.19	0	36.82	0.4	5	2.1	120.94	1.62	0.55	1.06	33.08	0.42	0.04
409	26.84	43.36	0.15	26.45	0	41.81	0.38	6	2.04	120.94	1.62	0.56	1.07	37.7	0.4	0.03
410	26.92	46.08	0.19	20.62	0	44.44	0.44	6	2.04	120.94	1.63	0.56	1.07	40.07	0.45	0.03
411	27	42.91	0.24	20.97	0	42.93	0.55	5	2.09	120.94	1.63	0.56	1.07	38.56	0.57	0.02
412	27.07	38.92	0.27	18.53	0	39.73	0.67	5	2.17	120.94	1.64	0.56	1.07	35.51	0.7	0.02
413	27.11	36.47	0.29	21.32	0	37.08	0.78	5	2.22	120.94	1.64	0.57	1.07	33	0.82	0.03
414	27.17	34.92	0.31	25.49	0	35.7	0.87	5	2.26	120.94	1.64	0.57	1.08	31.66	0.92	0.04
415	27.26	34.65	0.34	27.06	0	35.18	0.93	5	2.28	120.94	1.65	0.57	1.08	31.1	0.98	0.04
416	27.3	34.83	0.34	27.58	0	35.01	0.96	5	2.29	120.94	1.65	0.57	1.08	30.9	1.01	0.04
417	27.39	34.38	0.34	27.58	0	34.96	0.97	5	2.29	120.94	1.66	0.57	1.08	30.77	1.02	0.04
418	27.45	34.47	0.35	27.58	0	34.87	1	5	2.3	120.94	1.66	0.58	1.08	30.64	1.05	0.04

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
419	27.5	34.56	0.36	27.58	0	35.11	1.06	5	2.31	120.94	1.66	0.58	1.09	30.82	1.12	0.04
420	27.58	35.11	0.41	27.67	0	35.5	1.16	5	2.33	120.94	1.67	0.58	1.09	31.11	1.21	0.04
421	27.63	35.65	0.46	27.67	0	36.35	1.28	5	2.35	120.94	1.67	0.58	1.09	31.84	1.34	0.04
422	27.73	37.1	0.53	27.67	0	37.29	1.37	5	2.35	120.94	1.68	0.58	1.09	32.61	1.44	0.04
423	27.77	37.92	0.55	27.67	0	38.41	1.45	5	2.36	120.94	1.68	0.59	1.09	33.6	1.51	0.04
424	27.83	39.01	0.59	28.19	0	40.04	1.52	5	2.36	120.94	1.68	0.59	1.09	35.03	1.59	0.04
425	27.92	42	0.69	27.32	0	41.7	1.62	5	2.36	120.94	1.69	0.59	1.1	36.45	1.69	0.03
426	27.97	42.91	0.75	26.28	0	42.71	1.78	5	2.37	120.94	1.69	0.59	1.1	37.32	1.85	0.03
427	28.02	42.09	0.85	24.54	0	40.88	2.12	5	2.44	120.94	1.69	0.59	1.1	35.6	2.21	0.03
428	28.1	36.56	1.01	23.75	0	37.12	2.63	4	2.53	120.94	1.7	0.6	1.1	32.11	2.76	0.03
429	28.16	31.66	1.08	23.67	0	31.16	3.31	4	2.65	120.94	1.7	0.6	1.1	26.66	3.5	0.04
430	28.24	24.22	1.01	24.19	0	25.93	3.86	4	2.76	120.94	1.71	0.6	1.11	21.88	4.13	0.05
431	28.3	20.86	0.92	25.06	0	21.28	4.28	3	2.85	120.94	1.71	0.6	1.11	17.65	4.66	0.06
432	28.36	17.69	0.81	26.02	0	18.19	4.37	3	2.91	120.94	1.71	0.6	1.11	14.84	4.82	0.09
433	28.43	14.79	0.66	34.46	0	15.72	4.31	3	2.95	120.94	1.72	0.61	1.11	12.59	4.84	0.12
434	28.5	13.33	0.57	33.59	0	13.87	4.16	3	2.99	120.94	1.72	0.61	1.11	10.9	4.75	0.17
435	28.55	11.88	0.51	44.11	0	12.99	3.77	3	2.98	120.94	1.73	0.61	1.12	10.09	4.34	0.24
436	28.63	11.79	0.39	58.91	0	12.86	3.17	3	2.94	120.94	1.73	0.61	1.12	9.95	3.66	0.3
437	28.68	12.52	0.32	63.78	0	13.72	2.37	4	2.85	120.94	1.73	0.61	1.12	10.7	2.71	0.3
438	28.77	14.33	0.26	51.86	0	14.2	2.14	4	2.81	120.94	1.74	0.62	1.12	11.1	2.43	0.25
439	28.83	13.52	0.33	39.59	0	14.01	2.35	4	2.84	120.94	1.74	0.62	1.12	10.91	2.68	0.21
440	28.88	12.25	0.4	42.46	0	13.82	2.93	3	2.9	120.94	1.75	0.62	1.13	10.73	3.35	0.22
441	28.96	13.7	0.49	56.99	0	13.27	3.55	3	2.96	120.94	1.75	0.62	1.13	10.21	4.09	0.29
442	29.03	11.52	0.53	63.43	0	13.94	3.57	3	2.94	120.94	1.76	0.63	1.13	10.78	4.09	0.32
443	29.07	13.88	0.48	68.22	0	16.85	2.77	4	2.81	120.94	1.76	0.63	1.13	13.34	3.1	0.26
444	29.14	22.41	0.4	59.43	0	24.75	1.73	4	2.56	120.94	1.76	0.63	1.13	20.29	1.86	0.12
445	29.22	35.92	0.41	14.36	0	33.81	1.28	5	2.37	120.94	1.77	0.63	1.14	28.22	1.35	0.04
446	29.27	41.91	0.49	8.79	0	41.66	1.26	5	2.29	120.94	1.77	0.63	1.14	35.07	1.32	0
447	29.36	46.72	0.68	5.83	0	44.09	1.45	5	2.31	120.94	1.78	0.64	1.14	37.12	1.51	0
448	29.42	43.36	0.74	5.05	0	41.48	1.74	5	2.38	120.94	1.78	0.64	1.14	34.78	1.82	-0.01
449	29.5	34.11	0.75	6	0	35.31	2.02	5	2.47	120.94	1.78	0.64	1.14	29.31	2.13	-0.01
450	29.56	28.21	0.65	7.31	0	28.93	2.29	4	2.57	120.94	1.79	0.64	1.15	23.69	2.44	0
451	29.61	24.13	0.58	9.66	0	24.72	2.38	4	2.64	120.94	1.79	0.64	1.15	19.99	2.56	0.01
452	29.68	21.32	0.53	17.58	0	22.19	2.37	4	2.68	120.94	1.79	0.65	1.15	17.75	2.58	0.03
453	29.75	20.41	0.47	22.01	0	20.8	2.27	4	2.69	120.94	1.8	0.65	1.15	16.51	2.48	0.04
454	29.8	19.78	0.42	22.54	0	19.79	2.1	4	2.69	120.94	1.8	0.65	1.15	15.61	2.31	0.06
455	29.86	18.14	0.36	28.36	0	19	1.8	4	2.66	120.94	1.81	0.65	1.15	14.9	1.99	0.08
456	29.94	17.87	0.25	34.11	0	19.65	1.37	4	2.59	120.94	1.81	0.65	1.16	15.42	1.51	0.1

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
457	29.99	21.5	0.21	37.07	0	22.47	1.01	5	2.47	120.94	1.81	0.66	1.16	17.84	1.1	0.09
458	30.07	26.49	0.23	37.24	0	27.48	0.84	5	2.35	120.94	1.82	0.66	1.16	22.11	0.9	0.08
459	30.13	32.84	0.26	37.5	0	36.14	0.71	5	2.21	120.94	1.82	0.66	1.16	29.52	0.75	0.05
460	30.19	47.62	0.28	27.41	0	45.54	0.64	5	2.1	120.94	1.83	0.66	1.16	37.56	0.67	0.03
461	30.26	54.88	0.33	24.89	0	53.75	0.63	6	2.04	120.94	1.83	0.66	1.17	44.53	0.65	0.02
462	30.32	57.69	0.4	22.1	0	58.05	0.71	6	2.04	120.94	1.83	0.67	1.17	48.14	0.73	0.01
463	30.38	60.69	0.5	14.62	0	60.23	0.82	6	2.06	120.94	1.84	0.67	1.17	49.92	0.85	0.01
464	30.45	61.59	0.58	13.66	0	61.4	0.92	5	2.08	120.94	1.84	0.67	1.17	50.83	0.94	0.01
465	30.51	61.32	0.6	12.88	0	61.4	0.99	5	2.09	120.94	1.85	0.67	1.17	50.76	1.02	0
466	30.59	60.78	0.64	9.74	0	61.12	1.04	5	2.11	120.94	1.85	0.67	1.18	50.41	1.08	0
467	30.65	60.78	0.67	9.74	0	60.92	1.09	5	2.12	120.94	1.85	0.68	1.18	50.16	1.13	0
468	30.71	60.78	0.69	9.74	0	61.14	1.13	5	2.13	120.94	1.86	0.68	1.18	50.27	1.17	0
469	30.77	61.41	0.72	11.14	0	61.72	1.15	5	2.13	120.94	1.86	0.68	1.18	50.68	1.19	0
470	30.85	62.5	0.73	12.18	0	63.13	1.15	5	2.12	120.94	1.87	0.68	1.18	51.76	1.18	0
471	30.93	64.95	0.73	12.53	0	64.88	1.12	5	2.11	120.94	1.87	0.68	1.19	53.15	1.15	0
472	30.98	66.67	0.73	12.27	0	66.52	1.09	5	2.09	120.94	1.87	0.69	1.19	54.46	1.12	0
473	31.04	67.4	0.72	12.96	0	67.25	1.07	5	2.08	120.94	1.88	0.69	1.19	54.98	1.1	0
474	31.12	67.13	0.71	12.18	0	67.31	1.06	5	2.08	120.94	1.88	0.69	1.19	54.92	1.09	0
475	31.19	66.85	0.7	12.92	0	66.91	1.05	5	2.08	120.94	1.89	0.69	1.19	54.49	1.08	0
476	31.24	66.22	0.7	11.4	0	66.46	1.06	5	2.09	120.94	1.89	0.69	1.19	54.05	1.09	0
477	31.31	65.77	0.72	12.88	0	66.1	1.08	5	2.09	120.94	1.89	0.7	1.2	53.66	1.11	0
478	31.38	65.77	0.73	14.1	0	66.51	1.08	5	2.09	120.94	1.9	0.7	1.2	53.89	1.11	0
479	31.47	67.4	0.71	13.92	0	67.66	1.06	5	2.08	120.94	1.9	0.7	1.2	54.74	1.09	0
480	31.51	69.21	0.71	14.18	0	69.45	1.03	5	2.06	120.94	1.91	0.7	1.2	56.16	1.06	0
481	31.57	71.12	0.72	15.14	0	71.39	1.03	6	2.05	120.94	1.91	0.7	1.2	57.69	1.06	0.01
482	31.66	73.2	0.77	14.88	0	72.54	1.05	6	2.05	120.94	1.91	0.71	1.21	58.5	1.08	0
483	31.71	72.66	0.79	13.49	0	72.53	1.09	5	2.06	120.94	1.92	0.71	1.21	58.42	1.12	0
484	31.76	71.12	0.81	13.62	0	70.73	1.14	5	2.08	120.94	1.92	0.71	1.21	56.87	1.17	0
485	31.83	67.85	0.81	12.7	0	68.38	1.16	5	2.1	120.94	1.92	0.71	1.21	54.83	1.2	0
486	31.91	65.58	0.77	13.75	0	65.59	1.15	5	2.11	120.94	1.93	0.72	1.21	52.43	1.19	0
487	31.98	62.77	0.69	13.79	0	63.27	1.11	5	2.11	120.94	1.93	0.72	1.22	50.43	1.14	0
488	32.04	60.87	0.64	13.79	0	61.34	1.06	5	2.11	120.94	1.94	0.72	1.22	48.77	1.09	0
489	32.09	59.78	0.62	13.84	0	59.67	1.05	5	2.12	120.94	1.94	0.72	1.22	47.33	1.09	0
490	32.16	57.78	0.62	12.36	0	57.44	1.08	5	2.14	120.94	1.94	0.72	1.22	45.43	1.12	0
491	32.24	54.25	0.62	10.09	0	54.38	1.14	5	2.17	120.94	1.95	0.73	1.22	42.83	1.18	0
492	32.29	50.62	0.62	12.1	0	50.13	1.24	5	2.22	120.94	1.95	0.73	1.23	39.32	1.29	0
493	32.35	45.08	0.62	8.44	0	45.24	1.39	5	2.29	120.94	1.96	0.73	1.23	35.27	1.45	0
494	32.44	39.55	0.64	11.83	0	41.06	1.56	5	2.35	120.94	1.96	0.73	1.23	31.8	1.64	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
495	32.48	38.1	0.66	11.57	0	37.31	1.71	5	2.41	120.94	1.96	0.73	1.23	28.71	1.8	0.01
496	32.55	33.74	0.61	14.62	0	34.52	1.75	5	2.44	120.94	1.97	0.74	1.23	26.4	1.86	0.01
497	32.63	31.02	0.54	22.97	0	32.1	1.69	5	2.46	120.94	1.97	0.74	1.24	24.38	1.8	0.03
498	32.69	30.57	0.48	29.15	0	31.34	1.51	5	2.44	120.94	1.98	0.74	1.24	23.73	1.62	0.04
499	32.74	31.3	0.4	26.1	0	31.59	1.25	5	2.39	120.94	1.98	0.74	1.24	23.91	1.33	0.04
500	32.84	31.84	0.3	19.23	0	31.66	1.03	5	2.34	120.94	1.99	0.74	1.24	23.9	1.09	0.03
501	32.89	30.93	0.27	17.23	0	31.04	0.86	5	2.31	120.94	1.99	0.75	1.24	23.37	0.92	0.02
502	32.94	29.57	0.23	16.79	0	29.79	0.81	5	2.31	120.94	1.99	0.75	1.24	22.34	0.87	0.02
503	33.03	28.12	0.23	17.84	0	28.23	1.05	5	2.39	120.94	2	0.75	1.25	21.04	1.13	0.02
504	33.08	26.22	0.43	20.54	0	26.04	1.88	4	2.56	120.94	2	0.75	1.25	19.26	2.04	0.03
505	33.14	22.86	0.81	26.1	0	23.45	2.93	4	2.71	120.94	2	0.75	1.25	17.15	3.2	0.05
506	33.22	20.14	0.81	31.06	0	20.76	4.62	3	2.88	120.94	2.01	0.76	1.25	14.97	5.12	0.08
507	33.27	17.96	1.26	35.24	0	20.07	7.31	3	3.02	120.94	2.01	0.76	1.25	14.4	8.13	0.1
508	33.37	20.55	2.33	41.24	0	20.4	9.68	3	3.1	120.94	2.02	0.76	1.26	14.62	10.75	0.12
509	33.4	20.95	2.34	43.51	0	31.3	6.87	3	2.87	120.94	2.02	0.76	1.26	23.27	7.35	0.06
510	33.49	50.89	1.78	19.4	0	40.19	4.53	4	2.66	120.94	2.02	0.76	1.26	30.28	4.77	0.03
511	33.56	47.53	1.34	20.71	0	48.66	3.14	4	2.49	120.94	2.03	0.77	1.26	36.93	3.28	0.02
512	33.6	46.63	1.46	24.89	0	53.2	3.31	4	2.48	120.94	2.03	0.77	1.26	40.48	3.44	0.02
513	33.66	64.48	2.48	20.45	0	58.85	2.23	5	2.33	120.94	2.04	0.77	1.27	44.89	2.31	0.01
514	33.75	64.48	0	22.1	0	51.74	1.6	5	2.28	120.94	2.04	0.77	1.27	39.19	1.66	0.02
515	33.8	25.22	0	28.8	0	50.72	0	0	0	120.94	2.04	0.77	1.27	38.34	0	0.03
516	33.88	61.23	0	34.2	0	89.61	0	0	0	120.94	2.05	0.78	1.27	68.84	0	0.02
517	33.94	181.06	0	28.36	0	187.18	0	0	0	120.94	2.05	0.78	1.27	145.34	0	0
518	34.02	318.31	0	2.35	0	233.82	0	0	0	120.94	2.06	0.78	1.28	181.62	0	0
519	34.07	201.65	0	0.87	0	240.56	0	0	0	120.94	2.06	0.78	1.28	186.69	0	0

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
1	9	0.89	111.28	2.73	74.33	14.35	10.6	3	Very stiff fine grained	Clay-like - Dilative
2	3	1	128.66	3.21	52	7.62	3.86	2	Clay	Clay-like - Contractive
3	3	1	73.52	3.3	39.45	3.05	3.81	2	Clay	Clay-like - Contractive
4	9	0.99	58.53	2.97	67.83	0.98	6	2	Very stiff fine grained	Clay-like - Contractive
5	6	0.56	9.23	1.86	180.78	-0.83	54.92	7	Sand & silty sand	Sand like - Dilative
6	6	0.44	5.22	1.55	264.33	-1.46	94.06	7	Sand & silty sand	Sand like - Dilative
7	6	0.38	4	1.39	337.21	-1.66	121.86	7	Sand & silty sand	Sand like - Dilative
8	6	0.37	3.66	1.36	350.58	-1.07	129.62	7	Sand & silty sand	Sand like - Dilative
9	6	0.38	3.59	1.38	337.52	-0.82	126.54	7	Sand & silty sand	Sand like - Dilative
10	6	0.4	3.66	1.43	315.36	-0.59	115.24	7	Sand & silty sand	Sand like - Dilative
11	6	0.41	3.67	1.47	300.64	-0.4	106.19	7	Sand & silty sand	Sand like - Dilative
12	6	0.43	3.73	1.52	294.64	-0.43	96.92	7	Sand & silty sand	Sand like - Dilative
13	6	0.44	3.75	1.54	298.01	-0.56	90.37	7	Sand & silty sand	Sand like - Dilative
14	6	0.45	3.71	1.57	293.87	-0.59	85.96	7	Sand & silty sand	Sand like - Dilative
15	6	0.46	3.72	1.6	284.97	-0.55	81.54	7	Sand & silty sand	Sand like - Dilative
16	6	0.47	3.78	1.63	267.23	-0.59	77.23	7	Sand & silty sand	Sand like - Dilative
17	6	0.49	3.83	1.68	246.51	-0.76	72.34	7	Sand & silty sand	Sand like - Dilative
18	6	0.51	3.97	1.73	224.38	-0.81	65.81	7	Sand & silty sand	Sand like - Dilative
19	6	0.54	4.05	1.79	204.43	-0.73	60.29	7	Sand & silty sand	Sand like - Dilative
20	6	0.56	4.22	1.84	189.06	-0.61	55.22	7	Sand & silty sand	Sand like - Dilative
21	6	0.58	4.4	1.91	175.16	-0.53	49.31	7	Sand & silty sand	Sand like - Dilative
22	6	0.61	4.57	1.99	159.43	-0.56	42.67	7	Sand & silty sand	Sand like - Dilative
23	5	0.64	4.83	2.07	147.08	-0.57	36.9	7	Silty sand & sandy silt	Sand like - Dilative
24	5	0.67	5	2.13	133.09	-0.68	33.09	7	Silty sand & sandy silt	Sand like - Dilative
25	5	0.69	5.12	2.2	117.23	-0.73	30.18	5	Silty sand & sandy silt	Transitional - Dilative
26	5	0.73	5.39	2.28	101.39	-0.62	26.79	5	Silty sand & sandy silt	Transitional - Dilative
27	4	0.76	5.68	2.37	86.35	-0.35	23.79	5	Clay & silty clay	Transitional - Dilative
28	4	0.79	5.93	2.46	72.39	-0.02	21.2	3	Clay & silty clay	Clay-like - Dilative
29	4	0.81	6.01	2.5	63.39	-0.02	20.93	3	Clay & silty clay	Clay-like - Dilative
30	4	0.8	5.74	2.48	57.69	-0.31	23.45	5	Clay & silty clay	Transitional - Dilative
31	4	0.79	5.41	2.44	52.9	-0.47	27.14	5	Clay & silty clay	Transitional - Dilative
32	5	0.76	5.02	2.37	51.3	-0.51	32.01	5	Silty sand & sandy silt	Transitional - Dilative
33	5	0.74	4.65	2.31	52.57	-0.33	36.3	7	Silty sand & sandy silt	Sand like - Dilative
34	5	0.7	4.22	2.21	57.23	-0.32	42.84	7	Silty sand & sandy silt	Sand like - Dilative
35	5	0.68	3.99	2.17	59.92	-0.31	46.13	7	Silty sand & sandy silt	Sand like - Dilative
36	5	0.69	3.95	2.18	58.28	-0.26	45.37	7	Silty sand & sandy silt	Sand like - Dilative
37	5	0.71	4.08	2.25	53.54	-0.33	41.03	7	Silty sand & sandy silt	Sand like - Dilative
38	5	0.74	4.23	2.32	49.07	-0.25	36.69	7	Silty sand & sandy silt	Sand like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
39	5	0.75	4.2	2.34	47.51	-0.2	35.65	7	Silty sand & sandy silt	Sand like - Dilative
40	5	0.75	4.17	2.35	46.61	-0.22	35.36	7	Silty sand & sandy silt	Sand like - Dilative
41	5	0.76	4.1	2.36	45.07	-0.32	35.09	7	Silty sand & sandy silt	Sand like - Dilative
42	5	0.76	4.08	2.38	43.88	-0.4	34.29	7	Silty sand & sandy silt	Sand like - Dilative
43	5	0.78	4.18	2.43	40.86	-0.33	31.78	5	Silty sand & sandy silt	Transitional - Dilative
44	4	0.82	4.31	2.51	36.46	-0.3	28.38	5	Clay & silty clay	Transitional - Dilative
45	4	0.86	4.56	2.62	30.96	-0.24	24.42	5	Clay & silty clay	Transitional - Dilative
46	4	0.87	4.65	2.67	28	-0.25	23.19	5	Clay & silty clay	Transitional - Dilative
47	4	0.87	4.52	2.66	26.54	-0.29	24.25	5	Clay & silty clay	Transitional - Dilative
48	4	0.84	4.24	2.59	26.93	-0.33	27.64	5	Clay & silty clay	Transitional - Dilative
49	4	0.84	4.09	2.57	25.39	-0.3	28.85	5	Clay & silty clay	Transitional - Dilative
50	4	0.85	4.16	2.62	22.84	-0.31	27.74	5	Clay & silty clay	Transitional - Dilative
51	4	0.9	4.4	2.73	18.96	-0.38	24.63	5	Clay & silty clay	Transitional - Dilative
52	4	0.94	4.61	2.84	15.39	-0.32	21.92	3	Clay & silty clay	Clay-like - Dilative
53	3	0.97	4.79	2.91	13.67	-0.1	20.56	2	Clay	Clay-like - Contractive
54	3	0.97	4.67	2.9	13.86	0.08	20.79	2	Clay	Clay-like - Contractive
55	3	0.95	4.49	2.87	15.01	0.16	21.19	3	Clay	Clay-like - Dilative
56	3	0.96	4.43	2.88	15.28	0.12	20.86	3	Clay	Clay-like - Dilative
57	3	0.99	4.57	2.97	14.19	0.14	18.55	3	Clay	Clay-like - Dilative
58	3	1	4.56	3.15	10.88	0.11	15.52	2	Clay	Clay-like - Contractive
59	3	1	4.52	3.25	8.29	0.03	15.01	2	Clay	Clay-like - Contractive
60	3	1	4.42	3.06	9.59	0	18.78	2	Clay	Clay-like - Contractive
61	4	0.92	3.86	2.78	11.24	-0.03	24.74	4	Clay & silty clay	Transitional - Contractive
62	4	0.86	3.5	2.62	14	0.04	28.57	4	Clay & silty clay	Transitional - Contractive
63	4	0.86	3.46	2.63	13.82	0.06	28.46	4	Clay & silty clay	Transitional - Contractive
64	4	0.93	3.75	2.8	10.9	0.07	24.3	4	Clay & silty clay	Transitional - Contractive
65	3	1	4.06	3.18	6.21	0.04	18.1	2	Clay	Clay-like - Contractive
66	2	1	4.01	4.02	1.65	-0.02	12.53	1	Organic soil	Clay-like - Contractive - Sensitive
67	2	1	3.97	3.73	2.97	-0.05	13.05	2	Organic soil	Clay-like - Contractive
68	3	1	3.89	3.43	5.32	-0.07	14.34	2	Clay	Clay-like - Contractive
69	3	1	3.84	3.17	8.98	-0.08	16.36	2	Clay	Clay-like - Contractive
70	3	1	3.8	3.05	11.6	-0.04	17.51	2	Clay	Clay-like - Contractive
71	3	0.99	3.68	2.94	14.5	0.01	19.02	3	Clay	Clay-like - Dilative
72	3	0.97	3.55	2.9	15.99	0.07	19.61	3	Clay	Clay-like - Dilative
73	3	0.96	3.45	2.86	17.21	0.11	20.25	3	Clay	Clay-like - Dilative
74	3	0.96	3.4	2.87	17.05	0.16	20.04	3	Clay	Clay-like - Dilative
75	3	0.96	3.36	2.87	17.04	0.2	20.26	3	Clay	Clay-like - Dilative
76	3	0.96	3.31	2.86	16.77	0.22	20.59	3	Clay	Clay-like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
77	3	0.96	3.28	2.87	16.14	0.23	20.56	3	Clay	Clay-like - Dilative
78	3	0.97	3.28	2.89	15.51	0.29	20.22	3	Clay	Clay-like - Dilative
79	3	0.98	3.28	2.92	14.86	0.31	19.57	3	Clay	Clay-like - Dilative
80	3	0.98	3.23	2.91	15.62	0.36	19.48	3	Clay	Clay-like - Dilative
81	3	0.97	3.16	2.91	16.38	0.38	19.25	3	Clay	Clay-like - Dilative
82	3	0.96	3.11	2.88	18.32	0.44	19.17	3	Clay	Clay-like - Dilative
83	3	0.95	3.02	2.84	20.72	0.47	19.36	3	Clay	Clay-like - Dilative
84	3	0.93	2.9	2.79	23.48	0.47	19.93	3	Clay	Clay-like - Dilative
85	4	0.91	2.83	2.75	25.74	0.46	20.51	3	Clay & silty clay	Clay-like - Dilative
86	4	0.91	2.8	2.74	26.53	0.34	20.58	3	Clay & silty clay	Clay-like - Dilative
87	4	0.92	2.78	2.76	26.04	0.21	20.29	3	Clay & silty clay	Clay-like - Dilative
88	3	0.92	2.77	2.77	25.02	0.11	19.99	3	Clay	Clay-like - Dilative
89	3	0.93	2.78	2.79	23.67	0.06	19.8	3	Clay	Clay-like - Dilative
90	3	0.93	2.74	2.8	22.83	0.08	19.98	3	Clay	Clay-like - Dilative
91	3	0.93	2.72	2.79	22.52	0.11	20.31	3	Clay	Clay-like - Dilative
92	3	0.93	2.68	2.78	22.66	0.2	20.66	3	Clay	Clay-like - Dilative
93	4	0.91	2.6	2.74	24.61	0.25	21.71	3	Clay & silty clay	Clay-like - Dilative
94	4	0.88	2.51	2.67	28.32	0.3	23.1	5	Clay & silty clay	Transitional - Dilative
95	4	0.86	2.43	2.61	32.19	0.31	24.45	5	Clay & silty clay	Transitional - Dilative
96	4	0.85	2.37	2.58	34.68	0.32	25.27	5	Clay & silty clay	Transitional - Dilative
97	4	0.84	2.34	2.56	35.82	0.31	25.98	5	Clay & silty clay	Transitional - Dilative
98	4	0.83	2.29	2.53	37.09	0.32	27.25	5	Clay & silty clay	Transitional - Dilative
99	4	0.82	2.24	2.49	38.33	0.3	28.67	5	Clay & silty clay	Transitional - Dilative
100	5	0.8	2.19	2.45	39.51	0.28	31.1	5	Silty sand & sandy silt	Transitional - Dilative
101	5	0.79	2.15	2.42	39.12	0.27	32.81	7	Silty sand & sandy silt	Sand like - Dilative
102	5	0.79	2.13	2.41	38.18	0.27	33.78	7	Silty sand & sandy silt	Sand like - Dilative
103	5	0.8	2.14	2.45	35.72	0.26	32.22	7	Silty sand & sandy silt	Sand like - Dilative
104	4	0.82	2.17	2.5	33.29	0.22	29.89	5	Clay & silty clay	Transitional - Dilative
105	4	0.85	2.2	2.57	31.61	0.28	27.01	5	Clay & silty clay	Transitional - Dilative
106	4	0.87	2.21	2.61	31.24	0.35	24.76	5	Clay & silty clay	Transitional - Dilative
107	4	0.88	2.22	2.64	31.72	0.44	23.04	5	Clay & silty clay	Transitional - Dilative
108	4	0.88	2.2	2.64	33.15	0.47	22.64	5	Clay & silty clay	Transitional - Dilative
109	4	0.86	2.16	2.61	35.31	0.51	23.35	5	Clay & silty clay	Transitional - Dilative
110	4	0.84	2.1	2.54	39.36	0.55	25.63	5	Clay & silty clay	Transitional - Dilative
111	5	0.8	2.02	2.45	45.53	0.53	28.9	5	Silty sand & sandy silt	Transitional - Dilative
112	5	0.77	1.95	2.36	53.28	0.46	32.42	7	Silty sand & sandy silt	Sand like - Dilative
113	5	0.74	1.88	2.27	62.67	0.38	36.32	7	Silty sand & sandy silt	Sand like - Dilative
114	5	0.72	1.84	2.22	68.72	0.24	38.62	7	Silty sand & sandy silt	Sand like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
115	5	0.71	1.82	2.21	70.99	0.05	39.05	7	Silty sand & sandy silt	Sand like - Dilative
116	5	0.73	1.83	2.25	67.66	-0.2	36.77	7	Silty sand & sandy silt	Sand like - Dilative
117	5	0.75	1.85	2.3	62.88	-0.36	34.12	7	Silty sand & sandy silt	Sand like - Dilative
118	5	0.76	1.85	2.32	60.38	-0.42	32.95	7	Silty sand & sandy silt	Sand like - Dilative
119	5	0.76	1.85	2.33	59.47	-0.4	32.44	7	Silty sand & sandy silt	Sand like - Dilative
120	5	0.76	1.83	2.33	60.38	-0.38	32.72	7	Silty sand & sandy silt	Sand like - Dilative
121	5	0.76	1.83	2.34	60	-0.43	31.86	5	Silty sand & sandy silt	Transitional - Dilative
122	5	0.77	1.82	2.35	59.84	-0.54	31.18	5	Silty sand & sandy silt	Transitional - Dilative
123	5	0.78	1.82	2.37	58.37	-0.67	30.2	5	Silty sand & sandy silt	Transitional - Dilative
124	5	0.78	1.82	2.39	56.3	-0.83	29.57	5	Silty sand & sandy silt	Transitional - Dilative
125	5	0.79	1.81	2.41	53.88	-0.93	28.99	5	Silty sand & sandy silt	Transitional - Dilative
126	5	0.8	1.82	2.43	51.05	-1.09	28.22	5	Silty sand & sandy silt	Transitional - Dilative
127	4	0.82	1.83	2.48	46.76	-1.13	26.93	5	Clay & silty clay	Transitional - Dilative
128	4	0.83	1.84	2.51	42.76	-1.18	25.97	5	Clay & silty clay	Transitional - Dilative
129	4	0.84	1.84	2.53	40.07	-1.18	25.74	5	Clay & silty clay	Transitional - Dilative
130	4	0.83	1.82	2.52	39.4	-1.12	26.76	5	Clay & silty clay	Transitional - Dilative
131	4	0.83	1.8	2.51	38.58	-1.09	27.74	5	Clay & silty clay	Transitional - Dilative
132	4	0.83	1.79	2.5	36.68	-1.08	28.58	5	Clay & silty clay	Transitional - Dilative
133	4	0.83	1.78	2.52	33.64	-1.11	28.85	5	Clay & silty clay	Transitional - Dilative
134	4	0.84	1.78	2.54	29.81	-1.13	29.21	5	Clay & silty clay	Transitional - Dilative
135	4	0.85	1.79	2.57	25.9	-1.15	29.01	5	Clay & silty clay	Transitional - Dilative
136	4	0.88	1.81	2.64	21.87	-1.16	26.95	5	Clay & silty clay	Transitional - Dilative
137	4	0.94	1.86	2.79	17.73	-1.17	22.82	5	Clay & silty clay	Transitional - Dilative
138	3	0.98	1.91	2.89	16.44	-1.17	19.65	3	Clay	Clay-like - Dilative
139	3	1	1.93	3.03	14.62	-1.17	16.33	3	Clay	Clay-like - Dilative
140	3	1	1.92	3.05	16.17	-1.15	14.76	3	Clay	Clay-like - Dilative
141	3	1	1.92	3.04	19.21	-1.09	13.33	3	Clay	Clay-like - Dilative
142	3	0.96	1.86	2.85	28.9	-1.06	15.42	3	Clay	Clay-like - Dilative
143	4	0.82	1.7	2.49	52.71	-1.04	24.49	5	Clay & silty clay	Transitional - Dilative
144	5	0.72	1.58	2.2	83.79	-1.06	36.6	7	Silty sand & sandy silt	Sand like - Dilative
145	5	0.65	1.52	2.04	111.23	-1.03	46.17	7	Silty sand & sandy silt	Sand like - Dilative
146	6	0.64	1.5	2	116.84	-1.03	49.06	7	Sand & silty sand	Sand like - Dilative
147	5	0.65	1.5	2.02	110.24	-1.04	48.13	7	Silty sand & sandy silt	Sand like - Dilative
148	5	0.66	1.51	2.06	100.74	-1.05	46.72	7	Silty sand & sandy silt	Sand like - Dilative
149	5	0.67	1.52	2.08	95.88	-0.97	45.45	7	Silty sand & sandy silt	Sand like - Dilative
150	5	0.66	1.5	2.05	93.6	-0.88	48.78	7	Silty sand & sandy silt	Sand like - Dilative
151	6	0.64	1.48	2	91.71	-0.84	55.47	7	Sand & silty sand	Sand like - Dilative
152	6	0.62	1.46	1.95	90.7	-0.83	62.4	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
153	6	0.62	1.46	1.96	83.51	-0.86	62	7	Sand & silty sand	Sand like - Dilative
154	6	0.65	1.48	2.02	75.68	-0.89	57.04	7	Sand & silty sand	Sand like - Dilative
155	5	0.68	1.51	2.1	67.08	-0.94	50.56	7	Silty sand & sandy silt	Sand like - Dilative
156	5	0.7	1.52	2.16	63.49	-0.96	45.4	7	Silty sand & sandy silt	Sand like - Dilative
157	5	0.73	1.55	2.24	59.55	-0.95	40	7	Silty sand & sandy silt	Sand like - Dilative
158	5	0.75	1.56	2.3	59.53	-0.91	35.3	7	Silty sand & sandy silt	Sand like - Dilative
159	5	0.77	1.58	2.35	58.37	-0.87	31.28	5	Silty sand & sandy silt	Transitional - Dilative
160	5	0.8	1.6	2.42	57.24	-0.79	27.47	5	Silty sand & sandy silt	Transitional - Dilative
161	4	0.82	1.61	2.46	55.45	-0.74	25.21	5	Clay & silty clay	Transitional - Dilative
162	5	0.79	1.58	2.39	62.47	-0.77	28.02	5	Silty sand & sandy silt	Transitional - Dilative
163	5	0.73	1.53	2.25	76.25	-0.83	34.73	7	Silty sand & sandy silt	Sand like - Dilative
164	5	0.71	1.5	2.18	89.74	-0.9	37.45	7	Silty sand & sandy silt	Sand like - Dilative
165	5	0.71	1.5	2.19	93.27	-0.91	35.59	7	Silty sand & sandy silt	Sand like - Dilative
166	5	0.73	1.51	2.23	89.67	-0.91	32.63	7	Silty sand & sandy silt	Sand like - Dilative
167	5	0.72	1.5	2.22	86.03	-0.86	34.87	7	Silty sand & sandy silt	Sand like - Dilative
168	5	0.69	1.48	2.14	85.69	-0.78	41.51	7	Silty sand & sandy silt	Sand like - Dilative
169	5	0.67	1.46	2.09	82	-0.69	48.19	7	Silty sand & sandy silt	Sand like - Dilative
170	5	0.66	1.44	2.05	77.45	-0.66	53.09	7	Silty sand & sandy silt	Sand like - Dilative
171	5	0.67	1.45	2.09	72.7	-0.65	50.28	7	Silty sand & sandy silt	Sand like - Dilative
172	5	0.67	1.44	2.07	83.1	-0.69	49.91	7	Silty sand & sandy silt	Sand like - Dilative
173	5	0.66	1.43	2.04	95.08	-0.67	49.65	7	Silty sand & sandy silt	Sand like - Dilative
174	6	0.64	1.41	1.99	111.03	-0.63	52.24	7	Sand & silty sand	Sand like - Dilative
175	6	0.62	1.4	1.94	132.19	-0.64	53.09	7	Sand & silty sand	Sand like - Dilative
176	6	0.61	1.38	1.91	155.22	-0.7	52.94	7	Sand & silty sand	Sand like - Dilative
177	6	0.62	1.39	1.94	160.69	-0.74	47.64	7	Sand & silty sand	Sand like - Dilative
178	5	0.66	1.42	2.04	141.97	-0.6	40.45	7	Silty sand & sandy silt	Sand like - Dilative
179	5	0.72	1.46	2.2	111.78	-0.43	31.28	5	Silty sand & sandy silt	Transitional - Dilative
180	4	0.78	1.5	2.35	86.92	-0.34	24.7	5	Clay & silty clay	Transitional - Dilative
181	4	0.84	1.55	2.51	63.87	-0.33	20.31	3	Clay & silty clay	Clay-like - Dilative
182	4	0.89	1.59	2.66	46.35	-0.18	17.41	3	Clay & silty clay	Clay-like - Dilative
183	3	0.94	1.62	2.77	34.94	-0.13	16.18	3	Clay	Clay-like - Dilative
184	3	0.96	1.63	2.82	29.22	0.05	16.24	3	Clay	Clay-like - Dilative
185	3	0.97	1.63	2.85	25.25	0.01	16.92	3	Clay	Clay-like - Dilative
186	4	0.85	1.54	2.55	35.48	0.1	26.32	5	Clay & silty clay	Transitional - Dilative
187	5	0.73	1.45	2.24	54.81	0.03	41.13	7	Silty sand & sandy silt	Sand like - Dilative
188	6	0.66	1.39	2.04	74.31	0.02	54.83	7	Sand & silty sand	Sand like - Dilative
189	5	0.67	1.39	2.06	78.42	-0.07	51.79	7	Silty sand & sandy silt	Sand like - Dilative
190	5	0.72	1.42	2.19	70.49	-0.16	40.81	7	Silty sand & sandy silt	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
191	5	0.78	1.47	2.37	58.15	-0.14	30.58	5	Silty sand & sandy silt	Transitional - Dilative
192	4	0.83	1.5	2.49	48.98	-0.1	25.51	5	Clay & silty clay	Transitional - Dilative
193	4	0.86	1.51	2.56	43.5	-0.03	23.27	5	Clay & silty clay	Transitional - Dilative
194	4	0.86	1.51	2.57	41.96	-0.01	23.27	5	Clay & silty clay	Transitional - Dilative
195	5	0.8	1.47	2.41	53.19	0.13	29.13	5	Silty sand & sandy silt	Transitional - Dilative
196	5	0.71	1.4	2.19	74.65	0.23	40.27	7	Silty sand & sandy silt	Sand like - Dilative
197	6	0.64	1.35	1.99	101.59	0.27	53.65	7	Sand & silty sand	Sand like - Dilative
198	6	0.59	1.32	1.87	125.18	0.09	64.73	7	Sand & silty sand	Sand like - Dilative
199	6	0.57	1.31	1.81	138.22	-0.08	70.57	7	Sand & silty sand	Sand like - Dilative
200	6	0.56	1.3	1.78	143.76	-0.25	73.41	7	Sand & silty sand	Sand like - Dilative
201	6	0.56	1.3	1.79	141.27	-0.26	73.52	7	Sand & silty sand	Sand like - Dilative
202	6	0.56	1.29	1.79	137.2	-0.27	73.46	7	Sand & silty sand	Sand like - Dilative
203	6	0.57	1.3	1.8	131.02	-0.28	72.86	7	Sand & silty sand	Sand like - Dilative
204	6	0.58	1.3	1.83	124.37	-0.29	70.94	7	Sand & silty sand	Sand like - Dilative
205	6	0.59	1.3	1.86	118.09	-0.29	68.07	7	Sand & silty sand	Sand like - Dilative
206	6	0.61	1.31	1.91	110.57	-0.33	62.6	7	Sand & silty sand	Sand like - Dilative
207	6	0.64	1.33	1.99	100.73	-0.36	54.43	7	Sand & silty sand	Sand like - Dilative
208	5	0.69	1.36	2.12	86.97	-0.38	43.14	7	Silty sand & sandy silt	Sand like - Dilative
209	5	0.75	1.39	2.28	72.56	-0.38	32.61	7	Silty sand & sandy silt	Sand like - Dilative
210	4	0.81	1.43	2.44	58.75	-0.38	25.43	5	Clay & silty clay	Transitional - Dilative
211	4	0.86	1.45	2.57	48.3	-0.37	21.43	3	Clay & silty clay	Clay-like - Dilative
212	4	0.88	1.46	2.62	42.53	-0.31	20.23	3	Clay & silty clay	Clay-like - Dilative
213	4	0.89	1.46	2.63	40.94	-0.24	20.34	3	Clay & silty clay	Clay-like - Dilative
214	4	0.84	1.43	2.5	49.94	-0.12	24.56	5	Clay & silty clay	Transitional - Dilative
215	5	0.76	1.38	2.29	69.2	0.04	33.13	7	Silty sand & sandy silt	Sand like - Dilative
216	5	0.68	1.33	2.08	96.18	0.16	44.8	7	Silty sand & sandy silt	Sand like - Dilative
217	6	0.63	1.3	1.95	120.07	0.07	54.25	7	Sand & silty sand	Sand like - Dilative
218	6	0.6	1.28	1.89	134.59	-0.03	58.85	7	Sand & silty sand	Sand like - Dilative
219	6	0.6	1.28	1.87	142.73	-0.15	60.01	7	Sand & silty sand	Sand like - Dilative
220	6	0.59	1.27	1.87	146.87	-0.13	59.95	7	Sand & silty sand	Sand like - Dilative
221	6	0.59	1.27	1.86	151.26	-0.16	60.17	7	Sand & silty sand	Sand like - Dilative
222	6	0.59	1.27	1.85	154.12	-0.17	60.37	7	Sand & silty sand	Sand like - Dilative
223	6	0.59	1.27	1.85	155.82	-0.17	59.82	7	Sand & silty sand	Sand like - Dilative
224	6	0.59	1.27	1.86	156	-0.17	58.37	7	Sand & silty sand	Sand like - Dilative
225	6	0.6	1.27	1.88	154.52	-0.18	56.18	7	Sand & silty sand	Sand like - Dilative
226	6	0.61	1.27	1.9	152.1	-0.18	54.35	7	Sand & silty sand	Sand like - Dilative
227	6	0.61	1.27	1.92	149.15	-0.17	52.8	7	Sand & silty sand	Sand like - Dilative
228	6	0.62	1.27	1.93	146.94	-0.16	51.99	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
229	6	0.62	1.27	1.93	145.57	-0.15	51.74	7	Sand & silty sand	Sand like - Dilative
230	6	0.62	1.27	1.93	145.22	-0.15	52.15	7	Sand & silty sand	Sand like - Dilative
231	6	0.62	1.26	1.93	144.04	-0.14	52.34	7	Sand & silty sand	Sand like - Dilative
232	6	0.62	1.26	1.93	142.23	-0.14	52.18	7	Sand & silty sand	Sand like - Dilative
233	6	0.62	1.26	1.94	140.17	-0.14	51.86	7	Sand & silty sand	Sand like - Dilative
234	6	0.62	1.26	1.94	138.38	-0.14	51.62	7	Sand & silty sand	Sand like - Dilative
235	6	0.63	1.26	1.95	136.59	-0.13	51.41	7	Sand & silty sand	Sand like - Dilative
236	6	0.63	1.26	1.95	134.9	-0.13	51.19	7	Sand & silty sand	Sand like - Dilative
237	6	0.63	1.26	1.96	133.26	-0.12	51.04	7	Sand & silty sand	Sand like - Dilative
238	6	0.63	1.25	1.95	132.22	-0.1	51.88	7	Sand & silty sand	Sand like - Dilative
239	6	0.62	1.25	1.94	131.35	-0.09	53.1	7	Sand & silty sand	Sand like - Dilative
240	6	0.62	1.25	1.93	130.96	-0.08	54.29	7	Sand & silty sand	Sand like - Dilative
241	6	0.62	1.24	1.93	131.14	-0.07	54.5	7	Sand & silty sand	Sand like - Dilative
242	6	0.62	1.24	1.93	131.36	-0.06	54.35	7	Sand & silty sand	Sand like - Dilative
243	6	0.62	1.24	1.93	131.3	-0.03	54.3	7	Sand & silty sand	Sand like - Dilative
244	6	0.62	1.24	1.93	131.24	-0.02	54.46	7	Sand & silty sand	Sand like - Dilative
245	6	0.62	1.24	1.93	130.94	-0.01	54.55	7	Sand & silty sand	Sand like - Dilative
246	6	0.62	1.23	1.93	131.27	-0.04	54.69	7	Sand & silty sand	Sand like - Dilative
247	6	0.62	1.23	1.93	131.83	-0.08	54.73	7	Sand & silty sand	Sand like - Dilative
248	6	0.62	1.23	1.93	132.49	-0.13	54.9	7	Sand & silty sand	Sand like - Dilative
249	6	0.62	1.23	1.93	132.56	-0.17	54.93	7	Sand & silty sand	Sand like - Dilative
250	6	0.62	1.23	1.93	131.23	-0.18	54.47	7	Sand & silty sand	Sand like - Dilative
251	6	0.63	1.23	1.94	128.55	-0.18	53.4	7	Sand & silty sand	Sand like - Dilative
252	6	0.64	1.23	1.97	123.48	-0.18	51.25	7	Sand & silty sand	Sand like - Dilative
253	6	0.65	1.23	2.01	115.97	-0.19	48.22	7	Sand & silty sand	Sand like - Dilative
254	5	0.68	1.24	2.08	104.62	-0.19	43.63	7	Silty sand & sandy silt	Sand like - Dilative
255	5	0.71	1.25	2.16	91.53	-0.2	38.51	7	Silty sand & sandy silt	Sand like - Dilative
256	5	0.75	1.26	2.26	78.45	-0.19	33.36	7	Silty sand & sandy silt	Sand like - Dilative
257	5	0.8	1.28	2.39	63.88	-0.2	27.48	5	Silty sand & sandy silt	Transitional - Dilative
258	4	0.85	1.3	2.52	51.47	-0.16	22.97	5	Clay & silty clay	Transitional - Dilative
259	4	0.89	1.31	2.63	42.04	-0.06	19.91	3	Clay & silty clay	Clay-like - Dilative
260	4	0.89	1.31	2.64	39.38	0.07	20.61	3	Clay & silty clay	Clay-like - Dilative
261	4	0.88	1.3	2.61	38.97	0.14	22.16	5	Clay & silty clay	Transitional - Dilative
262	4	0.86	1.29	2.55	41.14	0.6	24.54	5	Clay & silty clay	Transitional - Dilative
263	4	0.85	1.29	2.52	42.86	0.82	25.31	5	Clay & silty clay	Transitional - Dilative
264	4	0.84	1.28	2.5	44.23	0.9	26.1	5	Clay & silty clay	Transitional - Dilative
265	4	0.85	1.28	2.52	41.46	0.55	25.8	5	Clay & silty clay	Transitional - Dilative
266	4	0.86	1.28	2.55	38.65	0.41	25.52	5	Clay & silty clay	Transitional - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
267	4	0.86	1.28	2.54	37.68	0.6	25.98	5	Clay & silty clay	Transitional - Dilative
268	5	0.81	1.26	2.43	44.83	0.94	30.26	5	Silty sand & sandy silt	Transitional - Dilative
269	5	0.74	1.23	2.24	60.42	1.33	39.64	7	Silty sand & sandy silt	Sand like - Dilative
270	5	0.68	1.21	2.09	76.38	1.08	49.23	7	Silty sand & sandy silt	Sand like - Dilative
271	6	0.65	1.2	2.01	86.16	0.64	55.2	7	Sand & silty sand	Sand like - Dilative
272	6	0.65	1.2	2	87.94	0.12	56.25	7	Sand & silty sand	Sand like - Dilative
273	6	0.65	1.2	2.01	86.78	0.05	55.37	7	Sand & silty sand	Sand like - Dilative
274	6	0.66	1.19	2.02	85.26	0.02	54.09	7	Sand & silty sand	Sand like - Dilative
275	5	0.67	1.2	2.04	83.95	0.01	52.5	7	Silty sand & sandy silt	Sand like - Dilative
276	5	0.67	1.2	2.05	83.74	0.05	51.23	7	Silty sand & sandy silt	Sand like - Dilative
277	5	0.68	1.19	2.07	83.3	0.08	50.05	7	Silty sand & sandy silt	Sand like - Dilative
278	5	0.68	1.19	2.07	83.46	0.13	49.42	7	Silty sand & sandy silt	Sand like - Dilative
279	5	0.68	1.19	2.07	83.59	0.15	49.1	7	Silty sand & sandy silt	Sand like - Dilative
280	5	0.68	1.19	2.07	84.65	0.18	49.09	7	Silty sand & sandy silt	Sand like - Dilative
281	5	0.68	1.19	2.07	85.61	0.2	48.91	7	Silty sand & sandy silt	Sand like - Dilative
282	5	0.68	1.19	2.07	86.1	0.19	48.26	7	Silty sand & sandy silt	Sand like - Dilative
283	5	0.68	1.19	2.08	85.85	0.17	47.47	7	Silty sand & sandy silt	Sand like - Dilative
284	5	0.69	1.18	2.09	85.13	0.05	46.83	7	Silty sand & sandy silt	Sand like - Dilative
285	5	0.69	1.18	2.09	84.28	-0.06	46.76	7	Silty sand & sandy silt	Sand like - Dilative
286	5	0.69	1.18	2.09	83.66	-0.14	46.94	7	Silty sand & sandy silt	Sand like - Dilative
287	5	0.69	1.18	2.09	83.21	-0.14	47.11	7	Silty sand & sandy silt	Sand like - Dilative
288	5	0.69	1.18	2.09	83.44	-0.13	47.32	7	Silty sand & sandy silt	Sand like - Dilative
289	5	0.68	1.17	2.08	83.87	-0.12	47.92	7	Silty sand & sandy silt	Sand like - Dilative
290	5	0.68	1.17	2.08	83.3	-0.1	47.96	7	Silty sand & sandy silt	Sand like - Dilative
291	5	0.69	1.17	2.1	81.66	-0.08	47.27	7	Silty sand & sandy silt	Sand like - Dilative
292	5	0.7	1.17	2.12	78.32	-0.09	45.7	7	Silty sand & sandy silt	Sand like - Dilative
293	5	0.7	1.17	2.12	76.85	-0.03	46.16	7	Silty sand & sandy silt	Sand like - Dilative
294	5	0.69	1.17	2.09	75.91	-0.04	49.01	7	Silty sand & sandy silt	Sand like - Dilative
295	6	0.67	1.16	2.04	75.55	-0.08	54.71	7	Sand & silty sand	Sand like - Dilative
296	6	0.65	1.15	2.01	73.07	-0.22	59.29	7	Sand & silty sand	Sand like - Dilative
297	6	0.65	1.15	2	69.35	-0.33	60.42	7	Sand & silty sand	Sand like - Dilative
298	6	0.67	1.16	2.05	64.68	-0.35	56.7	7	Sand & silty sand	Sand like - Dilative
299	5	0.69	1.16	2.11	59.4	-0.43	52.07	7	Silty sand & sandy silt	Sand like - Dilative
300	5	0.71	1.16	2.16	54.7	-0.38	48.03	7	Silty sand & sandy silt	Sand like - Dilative
301	5	0.72	1.16	2.19	52.51	-0.36	46.32	7	Silty sand & sandy silt	Sand like - Dilative
302	5	0.73	1.16	2.19	53.01	-0.23	45.83	7	Silty sand & sandy silt	Sand like - Dilative
303	5	0.72	1.16	2.18	56.05	-0.17	46.35	7	Silty sand & sandy silt	Sand like - Dilative
304	5	0.71	1.15	2.15	60.05	-0.15	47.76	7	Silty sand & sandy silt	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
305	5	0.69	1.15	2.11	64.73	-0.13	50.35	7	Silty sand & sandy silt	Sand like - Dilative
306	6	0.67	1.14	2.04	72.4	-0.09	55.56	7	Sand & silty sand	Sand like - Dilative
307	6	0.65	1.14	2	78.26	-0.11	59.13	7	Sand & silty sand	Sand like - Dilative
308	6	0.65	1.13	1.98	80.31	-0.18	60.1	7	Sand & silty sand	Sand like - Dilative
309	6	0.66	1.13	2.01	76.55	-0.29	57.93	7	Sand & silty sand	Sand like - Dilative
310	5	0.67	1.13	2.05	71.88	-0.33	54.78	7	Silty sand & sandy silt	Sand like - Dilative
311	5	0.69	1.14	2.11	68.08	-0.32	49.62	7	Silty sand & sandy silt	Sand like - Dilative
312	5	0.72	1.14	2.18	64.5	-0.28	43.43	7	Silty sand & sandy silt	Sand like - Dilative
313	5	0.75	1.15	2.26	60.22	-0.24	38.04	7	Silty sand & sandy silt	Sand like - Dilative
314	5	0.77	1.15	2.31	55.91	-0.17	35.01	7	Silty sand & sandy silt	Sand like - Dilative
315	5	0.79	1.15	2.35	52.11	-0.08	33.77	7	Silty sand & sandy silt	Sand like - Dilative
316	5	0.78	1.15	2.34	51	0.1	34.59	7	Silty sand & sandy silt	Sand like - Dilative
317	5	0.77	1.14	2.3	53.07	0.41	37.11	7	Silty sand & sandy silt	Sand like - Dilative
318	5	0.74	1.13	2.23	58.47	0.71	41.32	7	Silty sand & sandy silt	Sand like - Dilative
319	5	0.72	1.13	2.17	63.84	0.68	44.91	7	Silty sand & sandy silt	Sand like - Dilative
320	5	0.71	1.12	2.14	67.06	0.45	47.12	7	Silty sand & sandy silt	Sand like - Dilative
321	5	0.71	1.12	2.13	67.3	0.16	47.41	7	Silty sand & sandy silt	Sand like - Dilative
322	5	0.71	1.12	2.15	65.71	0.14	46.48	7	Silty sand & sandy silt	Sand like - Dilative
323	5	0.72	1.12	2.17	63.91	0.1	45.05	7	Silty sand & sandy silt	Sand like - Dilative
324	5	0.73	1.12	2.19	62.08	0.13	43.05	7	Silty sand & sandy silt	Sand like - Dilative
325	5	0.74	1.12	2.22	60.61	0.14	41.14	7	Silty sand & sandy silt	Sand like - Dilative
326	5	0.75	1.12	2.24	59.12	0.22	39.65	7	Silty sand & sandy silt	Sand like - Dilative
327	5	0.75	1.12	2.26	57.82	0.28	38.78	7	Silty sand & sandy silt	Sand like - Dilative
328	5	0.76	1.12	2.27	56.63	0.35	38.28	7	Silty sand & sandy silt	Sand like - Dilative
329	5	0.76	1.12	2.28	55.38	0.43	37.81	7	Silty sand & sandy silt	Sand like - Dilative
330	5	0.77	1.12	2.29	54.42	0.51	37.45	7	Silty sand & sandy silt	Sand like - Dilative
331	5	0.77	1.12	2.29	54.04	0.58	37.4	7	Silty sand & sandy silt	Sand like - Dilative
332	5	0.76	1.11	2.28	54.74	0.63	38.09	7	Silty sand & sandy silt	Sand like - Dilative
333	5	0.75	1.11	2.25	56.46	0.67	39.7	7	Silty sand & sandy silt	Sand like - Dilative
334	5	0.74	1.11	2.23	58.32	0.68	41.37	7	Silty sand & sandy silt	Sand like - Dilative
335	5	0.73	1.1	2.21	60.29	0.63	42.42	7	Silty sand & sandy silt	Sand like - Dilative
336	5	0.74	1.1	2.21	60.79	0.58	42.08	7	Silty sand & sandy silt	Sand like - Dilative
337	5	0.74	1.1	2.22	59.93	0.52	41.42	7	Silty sand & sandy silt	Sand like - Dilative
338	5	0.75	1.1	2.25	56.08	0.51	40.29	7	Silty sand & sandy silt	Sand like - Dilative
339	5	0.76	1.1	2.28	51.3	0.5	39.04	7	Silty sand & sandy silt	Sand like - Dilative
340	5	0.78	1.1	2.31	46.85	0.52	37.93	7	Silty sand & sandy silt	Sand like - Dilative
341	5	0.78	1.1	2.33	43.57	0.55	37.46	7	Silty sand & sandy silt	Sand like - Dilative
342	5	0.79	1.1	2.35	40.93	0.56	36.87	7	Silty sand & sandy silt	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
343	5	0.8	1.1	2.37	38.86	0.41	36.02	7	Silty sand & sandy silt	Sand like - Dilative
344	5	0.81	1.1	2.39	37.87	0.26	34.97	7	Silty sand & sandy silt	Sand like - Dilative
345	5	0.82	1.1	2.43	35.87	0.11	33.38	7	Silty sand & sandy silt	Sand like - Dilative
346	5	0.84	1.1	2.49	32.17	0.35	30.79	5	Silty sand & sandy silt	Transitional - Dilative
347	4	0.87	1.1	2.57	28.06	0.77	28.37	5	Clay & silty clay	Transitional - Dilative
348	4	0.87	1.1	2.57	27.12	1.31	28.58	5	Clay & silty clay	Transitional - Dilative
349	5	0.83	1.09	2.45	31.76	1.47	33.58	7	Silty sand & sandy silt	Sand like - Dilative
350	5	0.78	1.08	2.33	37.41	1.23	39.27	7	Silty sand & sandy silt	Sand like - Dilative
351	5	0.75	1.08	2.25	41.79	0.74	43.57	7	Silty sand & sandy silt	Sand like - Dilative
352	5	0.75	1.08	2.24	42.35	0.39	44.14	7	Silty sand & sandy silt	Sand like - Dilative
353	5	0.75	1.08	2.24	42.6	0.27	44.37	7	Silty sand & sandy silt	Sand like - Dilative
354	5	0.75	1.08	2.24	43.34	0.3	44.26	7	Silty sand & sandy silt	Sand like - Dilative
355	5	0.75	1.07	2.25	44.39	0.33	43.35	7	Silty sand & sandy silt	Sand like - Dilative
356	5	0.76	1.07	2.27	45.22	0.36	41.85	7	Silty sand & sandy silt	Sand like - Dilative
357	5	0.77	1.07	2.3	45.11	0.43	39.41	7	Silty sand & sandy silt	Sand like - Dilative
358	5	0.79	1.07	2.34	43.88	0.51	36.55	7	Silty sand & sandy silt	Sand like - Dilative
359	5	0.81	1.07	2.41	41.04	0.6	33.12	7	Silty sand & sandy silt	Sand like - Dilative
360	5	0.84	1.07	2.47	37.92	0.68	30.09	5	Silty sand & sandy silt	Transitional - Dilative
361	4	0.86	1.07	2.54	35.02	0.78	27.21	5	Clay & silty clay	Transitional - Dilative
362	4	0.89	1.07	2.61	32.36	0.96	24.46	5	Clay & silty clay	Transitional - Dilative
363	4	0.92	1.07	2.68	29.58	1.16	22.38	5	Clay & silty clay	Transitional - Dilative
364	4	0.94	1.07	2.74	26.28	1.33	20.91	3	Clay & silty clay	Clay-like - Dilative
365	3	0.97	1.08	2.81	22.16	1.56	19.89	3	Clay	Clay-like - Dilative
366	3	0.99	1.07	2.87	18.69	1.83	19.21	3	Clay	Clay-like - Dilative
367	3	1	1.07	2.89	16.85	2.4	19.47	3	Clay	Clay-like - Dilative
368	4	0.94	1.07	2.73	20.64	3.22	23.61	5	Clay & silty clay	Transitional - Dilative
369	4	0.85	1.06	2.51	28.18	3.75	30.95	5	Clay & silty clay	Transitional - Dilative
370	5	0.78	1.05	2.33	37.41	3.27	39.39	7	Silty sand & sandy silt	Sand like - Dilative
371	5	0.75	1.05	2.24	43.29	1.97	44.4	7	Silty sand & sandy silt	Sand like - Dilative
372	5	0.74	1.05	2.22	45.32	0.87	45.61	7	Silty sand & sandy silt	Sand like - Dilative
373	5	0.74	1.05	2.22	45.77	0.46	44.92	7	Silty sand & sandy silt	Sand like - Dilative
374	5	0.75	1.04	2.23	46.19	0.46	44.06	7	Silty sand & sandy silt	Sand like - Dilative
375	5	0.75	1.04	2.24	46.62	0.49	43.32	7	Silty sand & sandy silt	Sand like - Dilative
376	5	0.76	1.04	2.25	46.24	0.54	42.48	7	Silty sand & sandy silt	Sand like - Dilative
377	5	0.76	1.04	2.28	45.13	0.6	41.08	7	Silty sand & sandy silt	Sand like - Dilative
378	5	0.77	1.04	2.3	42.96	0.62	39.75	7	Silty sand & sandy silt	Sand like - Dilative
379	5	0.78	1.04	2.32	40.75	0.62	38.77	7	Silty sand & sandy silt	Sand like - Dilative
380	5	0.79	1.04	2.34	38.49	0.65	38.42	7	Silty sand & sandy silt	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
381	5	0.8	1.04	2.36	36.65	0.74	37.76	7	Silty sand & sandy silt	Sand like - Dilative
382	5	0.8	1.03	2.37	34.98	0.86	37	7	Silty sand & sandy silt	Sand like - Dilative
383	5	0.82	1.03	2.41	33.81	0.98	35.3	7	Silty sand & sandy silt	Sand like - Dilative
384	5	0.83	1.03	2.44	32.96	1.07	33.74	7	Silty sand & sandy silt	Sand like - Dilative
385	5	0.84	1.03	2.47	31.85	1.13	32.29	7	Silty sand & sandy silt	Sand like - Dilative
386	5	0.85	1.03	2.49	30.29	1.13	31.58	5	Silty sand & sandy silt	Transitional - Dilative
387	4	0.85	1.03	2.5	28.57	1.1	31.33	5	Clay & silty clay	Transitional - Dilative
388	4	0.85	1.03	2.51	27.29	1.01	31.45	5	Clay & silty clay	Transitional - Dilative
389	5	0.85	1.02	2.49	27.08	0.91	32.72	7	Silty sand & sandy silt	Sand like - Dilative
390	5	0.83	1.02	2.44	27.72	0.78	35.04	6	Silty sand & sandy silt	Sand-like - Contractive
391	5	0.81	1.02	2.38	28.64	0.72	37.82	6	Silty sand & sandy silt	Sand-like - Contractive
392	5	0.79	1.02	2.34	29.7	0.76	40.05	6	Silty sand & sandy silt	Sand-like - Contractive
393	5	0.78	1.02	2.3	30.87	0.81	41.72	6	Silty sand & sandy silt	Sand-like - Contractive
394	5	0.75	1.01	2.23	34.88	0.56	45.98	6	Silty sand & sandy silt	Sand-like - Contractive
395	5	0.72	1.01	2.16	39.39	0.3	50.22	6	Silty sand & sandy silt	Sand-like - Contractive
396	5	0.71	1.01	2.12	43.94	0.06	53.25	6	Silty sand & sandy silt	Sand-like - Contractive
397	5	0.72	1.01	2.15	44.75	0.13	51.2	7	Silty sand & sandy silt	Sand like - Dilative
398	5	0.73	1.01	2.19	43.76	0.18	48.16	7	Silty sand & sandy silt	Sand like - Dilative
399	5	0.75	1.01	2.23	41.58	0.22	45.09	7	Silty sand & sandy silt	Sand like - Dilative
400	5	0.76	1.01	2.27	38.85	0.31	43.05	7	Silty sand & sandy silt	Sand like - Dilative
401	5	0.77	1.01	2.29	36.47	0.41	41.99	7	Silty sand & sandy silt	Sand like - Dilative
402	5	0.78	1	2.3	34.35	0.53	41.52	6	Silty sand & sandy silt	Sand-like - Contractive
403	5	0.78	1	2.31	32.64	0.62	41.57	6	Silty sand & sandy silt	Sand-like - Contractive
404	5	0.78	1	2.31	30.94	0.75	41.43	6	Silty sand & sandy silt	Sand-like - Contractive
405	5	0.78	1	2.3	29.22	0.94	41.79	6	Silty sand & sandy silt	Sand-like - Contractive
406	5	0.77	1	2.28	28.37	1.12	42.94	6	Silty sand & sandy silt	Sand-like - Contractive
407	5	0.74	1	2.21	29.18	1.28	45.97	6	Silty sand & sandy silt	Sand-like - Contractive
408	5	0.71	1	2.12	33.14	1.31	51.37	6	Silty sand & sandy silt	Sand-like - Contractive
409	6	0.69	0.99	2.06	37.79	1.17	56.25	6	Sand & silty sand	Sand-like - Contractive
410	6	0.69	0.99	2.06	40.2	1	56.86	6	Sand & silty sand	Sand-like - Contractive
411	5	0.71	0.99	2.12	38.7	0.82	52.93	6	Silty sand & sandy silt	Sand-like - Contractive
412	5	0.74	0.99	2.19	35.63	0.83	48.06	6	Silty sand & sandy silt	Sand-like - Contractive
413	5	0.76	0.99	2.26	33.12	0.93	44.41	6	Silty sand & sandy silt	Sand-like - Contractive
414	5	0.78	0.99	2.3	31.78	1.12	42.15	6	Silty sand & sandy silt	Sand-like - Contractive
415	5	0.78	0.99	2.32	31.23	1.26	40.97	6	Silty sand & sandy silt	Sand-like - Contractive
416	5	0.79	0.98	2.33	31.04	1.3	40.48	6	Silty sand & sandy silt	Sand-like - Contractive
417	5	0.79	0.98	2.33	30.92	1.3	40.27	6	Silty sand & sandy silt	Sand-like - Contractive
418	5	0.79	0.98	2.34	30.79	1.3	39.87	6	Silty sand & sandy silt	Sand-like - Contractive

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
419	5	0.8	0.98	2.35	30.98	1.3	39.2	6	Silty sand & sandy silt	Sand-like - Contractive
420	5	0.8	0.98	2.37	31.28	1.3	38.23	6	Silty sand & sandy silt	Sand-like - Contractive
421	5	0.81	0.98	2.38	32.02	1.3	37.2	7	Silty sand & sandy silt	Sand like - Dilative
422	5	0.81	0.97	2.39	32.8	1.29	36.56	7	Silty sand & sandy silt	Sand like - Dilative
423	5	0.81	0.97	2.39	33.8	1.3	36.16	7	Silty sand & sandy silt	Sand like - Dilative
424	5	0.81	0.97	2.39	35.26	1.29	35.9	7	Silty sand & sandy silt	Sand like - Dilative
425	5	0.81	0.97	2.39	36.7	1.25	35.38	7	Silty sand & sandy silt	Sand like - Dilative
426	5	0.82	0.97	2.41	37.58	1.17	34.06	7	Silty sand & sandy silt	Sand like - Dilative
427	5	0.84	0.97	2.47	35.82	1.09	30.69	5	Silty sand & sandy silt	Transitional - Dilative
428	4	0.88	0.96	2.57	32.27	1.03	26.57	5	Clay & silty clay	Transitional - Dilative
429	4	0.93	0.96	2.7	26.74	1.01	22.45	5	Clay & silty clay	Transitional - Dilative
430	3	0.97	0.96	2.81	21.91	1.04	19.88	3	Clay	Clay-like - Dilative
431	3	1	0.95	2.92	17.65	1.09	18.17	3	Clay	Clay-like - Dilative
432	3	1	0.95	2.98	14.84	1.3	17.55	3	Clay	Clay-like - Dilative
433	3	1	0.95	3.04	12.59	1.48	17.25	3	Clay	Clay-like - Dilative
434	3	1	0.95	3.08	10.9	1.87	17.16	2	Clay	Clay-like - Contractive
435	3	1	0.95	3.09	10.09	2.39	17.65	2	Clay	Clay-like - Contractive
436	3	1	0.95	3.05	9.95	3.03	18.75	2	Clay	Clay-like - Contractive
437	3	1	0.94	2.95	10.7	3.19	20.9	2	Clay	Clay-like - Contractive
438	3	1	0.94	2.91	11.1	2.77	21.75	2	Clay	Clay-like - Contractive
439	3	1	0.94	2.94	10.91	2.31	21.06	2	Clay	Clay-like - Contractive
440	3	1	0.94	3	10.73	2.41	19.57	2	Clay	Clay-like - Contractive
441	3	1	0.94	3.07	10.21	2.91	18.09	2	Clay	Clay-like - Contractive
442	3	1	0.94	3.05	10.78	3.45	18.22	2	Clay	Clay-like - Contractive
443	3	1	0.94	2.9	13.34	3.5	20.97	2	Clay	Clay-like - Contractive
444	4	0.9	0.94	2.62	20.42	2.45	28.18	4	Clay & silty clay	Transitional - Contractive
445	5	0.83	0.94	2.42	28.56	1.19	35.55	6	Silty sand & sandy silt	Sand-like - Contractive
446	5	0.8	0.94	2.34	35.59	0.05	39.01	7	Silty sand & sandy silt	Sand like - Dilative
447	5	0.8	0.94	2.35	37.68	-0.14	37.6	7	Silty sand & sandy silt	Sand like - Dilative
448	5	0.83	0.94	2.43	35.24	-0.2	33.71	7	Silty sand & sandy silt	Sand like - Dilative
449	4	0.87	0.93	2.53	29.62	-0.17	29.76	5	Clay & silty clay	Transitional - Dilative
450	4	0.91	0.93	2.64	23.86	-0.08	26.41	5	Clay & silty clay	Transitional - Dilative
451	4	0.94	0.93	2.71	20.09	0.16	24.76	5	Clay & silty clay	Transitional - Dilative
452	4	0.95	0.92	2.75	17.82	0.47	23.99	5	Clay & silty clay	Transitional - Dilative
453	4	0.96	0.92	2.77	16.56	0.73	23.9	4	Clay & silty clay	Transitional - Contractive
454	4	0.96	0.92	2.77	15.66	0.96	24.17	4	Clay & silty clay	Transitional - Contractive
455	4	0.95	0.92	2.75	14.96	1.2	25.03	4	Clay & silty clay	Transitional - Contractive
456	4	0.92	0.92	2.67	15.52	1.5	27.32	4	Clay & silty clay	Transitional - Contractive

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
457	5	0.88	0.92	2.55	18.04	1.68	31.21	4	Silty sand & sandy silt	Transitional - Contractive
458	5	0.83	0.93	2.42	22.46	1.75	36	6	Silty sand & sandy silt	Sand-like - Contractive
459	5	0.77	0.93	2.27	30.17	1.54	43.38	6	Silty sand & sandy silt	Sand-like - Contractive
460	5	0.73	0.93	2.15	38.55	1.28	50.74	6	Silty sand & sandy silt	Sand-like - Contractive
461	5	0.7	0.93	2.08	45.85	0.96	55.92	6	Silty sand & sandy silt	Sand-like - Contractive
462	5	0.7	0.93	2.08	49.6	0.7	56.06	7	Silty sand & sandy silt	Sand like - Dilative
463	5	0.71	0.93	2.1	51.42	0.46	54.13	7	Silty sand & sandy silt	Sand like - Dilative
464	5	0.71	0.93	2.12	52.34	0.27	52.21	7	Silty sand & sandy silt	Sand like - Dilative
465	5	0.72	0.93	2.14	52.24	0.17	50.48	7	Silty sand & sandy silt	Sand like - Dilative
466	5	0.73	0.93	2.16	51.88	0.09	49.16	7	Silty sand & sandy silt	Sand like - Dilative
467	5	0.73	0.92	2.17	51.62	0.02	48.06	7	Silty sand & sandy silt	Sand like - Dilative
468	5	0.74	0.92	2.18	51.73	0.05	47.37	7	Silty sand & sandy silt	Sand like - Dilative
469	5	0.74	0.92	2.18	52.17	0.1	47.16	7	Silty sand & sandy silt	Sand like - Dilative
470	5	0.73	0.92	2.17	53.34	0.15	47.63	7	Silty sand & sandy silt	Sand like - Dilative
471	5	0.73	0.92	2.15	54.82	0.17	48.65	7	Silty sand & sandy silt	Sand like - Dilative
472	5	0.72	0.92	2.14	56.24	0.19	49.74	7	Silty sand & sandy silt	Sand like - Dilative
473	5	0.72	0.92	2.13	56.82	0.18	50.37	7	Silty sand & sandy silt	Sand like - Dilative
474	5	0.72	0.92	2.13	56.8	0.19	50.72	7	Silty sand & sandy silt	Sand like - Dilative
475	5	0.72	0.92	2.13	56.38	0.15	50.7	7	Silty sand & sandy silt	Sand like - Dilative
476	5	0.72	0.92	2.13	55.92	0.17	50.3	7	Silty sand & sandy silt	Sand like - Dilative
477	5	0.72	0.91	2.14	55.52	0.19	49.71	7	Silty sand & sandy silt	Sand like - Dilative
478	5	0.72	0.91	2.14	55.8	0.24	49.85	7	Silty sand & sandy silt	Sand like - Dilative
479	5	0.72	0.91	2.13	56.74	0.26	50.64	7	Silty sand & sandy silt	Sand like - Dilative
480	5	0.71	0.91	2.11	58.28	0.28	51.81	7	Silty sand & sandy silt	Sand like - Dilative
481	5	0.71	0.91	2.1	59.92	0.3	52.41	7	Silty sand & sandy silt	Sand like - Dilative
482	5	0.71	0.91	2.1	60.8	0.28	52.23	7	Silty sand & sandy silt	Sand like - Dilative
483	5	0.71	0.91	2.11	60.71	0.25	51.25	7	Silty sand & sandy silt	Sand like - Dilative
484	5	0.72	0.91	2.13	59.05	0.2	49.65	7	Silty sand & sandy silt	Sand like - Dilative
485	5	0.73	0.91	2.15	56.9	0.21	48.41	7	Silty sand & sandy silt	Sand like - Dilative
486	5	0.73	0.9	2.16	54.4	0.21	47.84	7	Silty sand & sandy silt	Sand like - Dilative
487	5	0.73	0.9	2.17	52.34	0.23	48.06	7	Silty sand & sandy silt	Sand like - Dilative
488	5	0.73	0.9	2.17	50.63	0.23	48.35	7	Silty sand & sandy silt	Sand like - Dilative
489	5	0.74	0.9	2.18	49.13	0.2	47.95	7	Silty sand & sandy silt	Sand like - Dilative
490	5	0.75	0.9	2.2	47.12	0.12	46.59	7	Silty sand & sandy silt	Sand like - Dilative
491	5	0.76	0.9	2.24	44.36	0.08	44.36	7	Silty sand & sandy silt	Sand like - Dilative
492	5	0.78	0.89	2.29	40.61	0.01	41.36	7	Silty sand & sandy silt	Sand like - Dilative
493	5	0.81	0.89	2.36	36.29	0.04	37.75	7	Silty sand & sandy silt	Sand like - Dilative
494	5	0.83	0.88	2.43	32.61	0.03	34.51	7	Silty sand & sandy silt	Sand like - Dilative

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CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
495	5	0.86	0.88	2.49	29.35	0.15	32.02	7	Silty sand & sandy silt	Sand like - Dilative
496	4	0.87	0.88	2.53	26.93	0.36	30.77	5	Clay & silty clay	Transitional - Dilative
497	4	0.88	0.87	2.55	24.85	0.7	30.36	5	Clay & silty clay	Transitional - Dilative
498	4	0.87	0.87	2.53	24.21	0.92	31.35	4	Clay & silty clay	Transitional - Contractive
499	5	0.85	0.87	2.48	24.47	0.84	33.61	6	Silty sand & sandy silt	Sand-like - Contractive
500	5	0.84	0.88	2.43	24.54	0.61	35.66	6	Silty sand & sandy silt	Sand-like - Contractive
501	5	0.82	0.88	2.4	24.04	0.43	36.95	6	Silty sand & sandy silt	Sand-like - Contractive
502	5	0.83	0.87	2.41	22.98	0.4	36.65	6	Silty sand & sandy silt	Sand-like - Contractive
503	5	0.86	0.87	2.49	21.54	0.46	33.42	6	Silty sand & sandy silt	Sand-like - Contractive
504	4	0.92	0.86	2.66	19.5	0.64	26.87	4	Clay & silty clay	Transitional - Contractive
505	4	0.98	0.85	2.82	17.19	0.89	21.75	3	Clay & silty clay	Clay-like - Dilative
506	3	1	0.84	3	14.97	1.17	17.03	3	Clay	Clay-like - Dilative
507	3	1	0.84	3.14	14.4	1.45	13.05	3	Clay	Clay-like - Dilative
508	3	1	0.84	3.22	14.62	1.69	10.84	2	Clay	Clay-like - Contractive
509	3	1	0.84	2.96	23.27	1.38	13.81	3	Clay	Clay-like - Dilative
510	3	0.96	0.85	2.75	30.51	0.99	18.81	3	Clay	Clay-like - Dilative
511	4	0.89	0.85	2.57	37.67	0.63	24.64	5	Clay & silty clay	Transitional - Dilative
512	4	0.88	0.85	2.55	41.34	0.65	24.18	5	Clay & silty clay	Transitional - Dilative
513	5	0.82	0.86	2.4	46.32	0.67	31.78	5	Silty sand & sandy silt	Transitional - Dilative
514	5	0.81	0.86	2.35	40.58	0.74	36.78	7	Silty sand & sandy silt	Sand like - Dilative
515	0	1	0.83	0	38.34	1	69.06	0	N/A	N/A
516	0	1	0.83	0	68.84	1.11	112.63	0	N/A	N/A
517	0	1	0.83	0	145.34	0.61	221.92	0	N/A	N/A
518	0	1	0.83	0	181.62	-0.02	273.75	0	N/A	N/A
519	0	1	0.83	0	186.69	-0.54	280.99	0	N/A	N/A

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
1	0.09	0.82	0.05	9	1.50E-07	4.77E-05	0	9.89	0	0	0	20.44	14	0.05	9.38	0
2	0.14	0.45	0.11	3	5.08E-09	9.74E-07	0	5.99	0	0	0	22.84	14	0.03	3.71	0
3	0.24	0	0.22	3	3.01E-09	7.67E-07	0	7.95	0	0	0	33.79	14	0.04	2.82	0
4	0.28	1.27	0.2	9	2.74E-08	1.51E-05	1	17.17	0	0	0	48.28	14	0.09	5.14	0
5	0.33	2.45	0.24	6	6.66E-05	3.54E-01	5	165.76	72	42	156.2	199.03	0	0	0	0
6	0.43	58.51	0.51	6	5.66E-04	6.23E+00	10	343.52	87	43	274.09	349.24	0	0	0	0
7	0.47	99.78	0.6	6	1.73E-03	2.58E+01	16	467.51	98	45	373.02	475.29	0	0	0	0
8	0.53	109.31	0.6	6	2.19E-03	3.57E+01	17	508.83	100	45	405.98	517.29	0	0	0	0
9	0.59	94.97	0.61	6	1.93E-03	3.16E+01	17	510.97	98	45	407.69	519.47	0	0	0	0
10	0.67	94.25	0.6	6	1.33E-03	2.13E+01	16	500.51	95	45	399.34	508.83	0	0	0	0
11	0.74	84.09	0.63	6	9.75E-04	1.58E+01	16	504.6	93	44	402.61	513	0	0	0	0
12	0.81	82.18	0.7	6	7.24E-04	1.19E+01	16	513.45	92	44	409.67	521.99	0	0	0	0
13	0.86	84.91	0.75	6	5.99E-04	1.02E+01	16	533.55	92	44	425.7	542.42	0	0	0	0
14	0.94	85.18	0.84	6	5.08E-04	8.92E+00	16	548.44	92	44	437.59	557.57	0	0	0	0
15	1	81.55	0.83	6	4.16E-04	7.32E+00	16	549.21	90	44	438.2	558.34	0	0	0	0
16	1.05	76.38	0.81	6	3.23E-04	5.50E+00	15	531.47	87	44	424.04	540.31	0	0	0	0
17	1.13	66.85	0.78	6	2.37E-04	3.88E+00	14	511.44	84	43	408.06	519.95	0	0	0	0
18	1.19	61.32	0.76	6	1.56E-04	2.40E+00	13	478.26	80	43	386.19	492.08	0	0	0	0
19	1.28	51.43	0.74	6	1.05E-04	1.44E+00	12	427.69	76	43	370.94	472.65	0	0	0	0
20	1.31	47.9	0.73	6	7.25E-05	8.81E-01	11	379.32	73	42	351.98	448.49	0	0	0	0
21	1.38	43.18	0.71	6	4.65E-05	5.02E-01	10	336.73	71	42	338.62	431.47	0	0	0	0
22	1.47	35.47	0.76	6	2.65E-05	2.51E-01	9	295.53	67	42	329.02	419.24	0	0	0	0
23	1.51	32.47	0.81	5	1.54E-05	1.27E-01	9	257.77	65	42	316.53	403.32	0	0	0	0
24	1.58	29.03	0.77	5	9.61E-06	6.94E-02	8	225.29	62	41	301.32	383.94	0	0	0	0
25	1.67	23.31	0.72	5	6.00E-06	6.52E-02	7	339.14	58	41	282.26	359.65	0	0	0	0
26	1.72	20.68	0.68	5	3.35E-06	2.99E-02	6	278.6	54	41	257.65	328.29	0	0	0	0
27	1.78	16.06	0.63	4	1.81E-06	1.31E-02	5	225.28	0	0	0	296.64	14	1.15	10.68	0
28	1.86	11.88	0.56	4	9.56E-07	5.54E-03	5	180.88	0	0	0	267.46	14	0.92	8.19	0
29	1.91	11.16	0.52	4	7.23E-07	3.62E-03	4	156.25	0	0	0	242.98	14	0.8	6.9	0
30	1.98	10.79	0.4	4	8.43E-07	4.02E-03	4	148.91	0	0	0	225.26	14	0.76	6.35	0
31	2.05	10.34	0.29	4	1.11E-06	5.17E-03	4	144.96	0	0	0	208.47	14	0.74	5.97	0
32	2.1	10.34	0.26	5	1.77E-06	8.59E-03	4	151.29	38	38	157	200.05	0	0	0	0
33	2.18	12.16	0.22	5	2.78E-06	1.49E-02	4	167.39	39	37	160.11	204.01	0	0	0	0
34	2.24	13.79	0.22	5	5.51E-06	3.54E-02	4	200.79	40	36	169.74	216.28	0	0	0	0
35	2.31	17.51	0.21	5	7.57E-06	3.08E-02	5	127.02	41	36	177.4	226.03	0	0	0	0
36	2.38	16.78	0.22	5	6.90E-06	2.76E-02	5	124.81	41	36	177.28	225.89	0	0	0	0
37	2.44	12.97	0.22	5	4.34E-06	2.70E-02	4	194.22	39	36	171.42	218.41	0	0	0	0
38	2.5	12.34	0.23	5	2.61E-06	1.44E-02	4	171.75	37	37	166.18	211.75	0	0	0	0

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Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
39	2.58	11.97	0.24	5	2.26E-06	1.21E-02	4	167.45	37	37	166.34	211.95	0	0	0	0
40	2.63	12.06	0.22	5	2.14E-06	1.13E-02	4	165.67	36	37	166.24	211.82	0	0	0	0
41	2.72	11.97	0.22	5	1.98E-06	1.04E-02	4	163.03	36	37	165.8	211.26	0	0	0	0
42	2.77	11.43	0.23	5	1.76E-06	8.97E-03	4	159.16	35	37	165.38	210.73	0	0	0	0
43	2.82	11.25	0.23	5	1.22E-06	5.64E-03	4	144.78	34	37	160.85	204.95	0	0	0	0
44	2.91	8.89	0.23	4	6.90E-07	2.77E-03	3	125.25	0	0	0	196.46	14	0.64	3.63	0
45	2.97	7.26	0.23	4	3.15E-07	1.02E-03	3	100.68	0	0	0	181.97	14	0.51	2.86	0
46	3.02	5.99	0.22	4	2.22E-07	6.34E-04	3	89.2	0	0	0	171.81	14	0.46	2.49	0
47	3.1	6.44	0.19	4	2.37E-07	6.61E-04	3	86.97	0	0	0	165.45	14	0.44	2.37	0
48	3.15	6.8	0.16	4	3.98E-07	1.20E-03	3	94.08	0	0	0	163.01	14	0.48	2.52	0
49	3.26	7.53	0.13	4	4.38E-07	1.29E-03	3	91.91	0	0	0	156.5	14	0.47	2.38	0
50	3.3	5.99	0.12	4	3.26E-07	8.48E-04	2	81.31	0	0	0	146.08	14	0.41	2.08	0
51	3.35	4.54	0.12	4	1.52E-07	3.11E-04	2	63.86	0	0	0	131.67	14	0.33	1.61	0
52	3.45	3.81	0.1	4	6.71E-08	1.06E-04	2	49.39	0	0	0	118.09	14	0.25	1.21	0
53	3.48	2.9	0.09	3	4.17E-08	5.51E-05	2	41.26	0	0	0	110.14	14	0.22	1.02	0
54	3.56	2.99	0.1	3	4.48E-08	6.25E-05	2	43.55	0	0	0	113.14	14	0.22	1.04	0
55	3.62	4.17	0.11	3	5.54E-08	8.79E-05	2	49.49	0	0	0	122.49	14	0.25	1.15	0
56	3.69	4.08	0.13	3	5.31E-08	8.69E-05	2	51.13	0	0	0	127.54	14	0.26	1.17	0
57	3.77	3.36	0.13	3	2.84E-08	4.19E-05	2	45.99	0	0	0	128.43	14	0.23	1.03	0
58	3.83	3.08	0.16	3	8.04E-09	7.07E-06	1	27.45	0	0	0	123.97	14	0.18	0.78	0
59	3.87	1.81	0.16	3	3.82E-09	1.97E-06	1	16.08	0	0	0	109.1	14	0.14	0.59	0
60	3.96	1.63	0.05	3	1.51E-08	1.06E-05	1	22.02	0	0	0	100.74	14	0.16	0.68	0
61	4.03	4.17	0.04	4	1.04E-07	1.15E-04	1	34.6	0	0	0	95.19	14	0.22	0.9	0
62	4.07	4.17	0.04	4	3.08E-07	5.84E-04	2	59.2	0	0	0	107.44	14	0.3	1.23	0
63	4.14	5.08	0.04	4	3.02E-07	5.64E-04	2	58.39	0	0	0	107.77	14	0.3	1.21	0
64	4.21	4.17	0.04	4	9.02E-08	9.68E-05	1	33.51	0	0	0	97.58	14	0.22	0.86	0
65	4.31	0.73	0.05	3	6.29E-09	2.02E-06	1	10.05	0	0	0	83.14	14	0.12	0.44	0
66	4.36	0.73	0.06	2	0.00E+00	0.00E+00	1	1.05	0	0	0	64.75	14	0.03	0.12	0
67	4.4	0.64	0.07	2	7.76E-10	5.85E-08	1	2.35	0	0	0	81.18	14	0.06	0.21	0
68	4.5	1.81	0.11	3	1.97E-09	4.85E-07	1	7.69	0	0	0	102.21	14	0.1	0.38	0
69	4.55	2.72	0.13	3	6.71E-09	4.76E-06	2	22.17	0	0	0	125.43	14	0.18	0.64	0
70	4.6	3.72	0.15	3	1.52E-08	1.82E-05	2	37.43	0	0	0	141.3	14	0.23	0.83	0
71	4.66	4.08	0.17	3	3.28E-08	6.12E-05	2	58.27	0	0	0	158.6	14	0.3	1.06	0
72	4.74	5.53	0.19	3	4.44E-08	9.48E-05	2	66.69	0	0	0	171.85	14	0.34	1.19	0
73	4.79	5.53	0.2	3	5.75E-08	1.36E-04	3	73.87	0	0	0	181.63	14	0.38	1.3	0
74	4.89	5.62	0.2	3	5.42E-08	1.29E-04	3	74.25	0	0	0	184.5	14	0.38	1.28	0
75	4.93	5.62	0.2	3	5.66E-08	1.36E-04	3	75.09	0	0	0	185.16	14	0.38	1.28	0
76	5	5.71	0.19	3	5.87E-08	1.41E-04	3	75.05	0	0	0	183.85	14	0.38	1.27	0

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No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
77	5.08	5.62	0.18	3	5.47E-08	1.28E-04	3	72.9	0	0	0	180.86	14	0.37	1.21	0
78	5.12	5.17	0.18	3	4.76E-08	1.07E-04	2	69.98	0	0	0	178.02	14	0.36	1.15	0
79	5.19	5.08	0.18	3	3.86E-08	8.28E-05	2	67	0	0	0	177.05	14	0.34	1.09	0
80	5.26	4.99	0.19	3	4.14E-08	9.49E-05	3	71.66	0	0	0	187	14	0.37	1.15	0
81	5.36	6.17	0.23	3	4.31E-08	1.06E-04	3	76.68	0	0	0	198.67	14	0.39	1.21	0
82	5.39	6.17	0.25	3	5.22E-08	1.46E-04	3	87.3	0	0	0	218.44	14	0.45	1.37	0
83	5.46	7.26	0.31	3	6.83E-08	2.22E-04	3	101.66	0	0	0	242.31	14	0.52	1.57	0
84	5.56	9.25	0.37	3	9.57E-08	3.67E-04	4	119.78	0	0	0	268.59	14	0.61	1.82	0
85	5.6	10.07	0.39	4	1.25E-07	5.40E-04	4	134.52	0	0	0	287.3	14	0.69	2.03	0
86	5.65	10.43	0.41	4	1.34E-07	6.02E-04	4	140.3	0	0	0	296	14	0.72	2.09	0
87	5.74	10.52	0.42	4	1.23E-07	5.49E-04	4	138.85	0	0	0	297.35	14	0.71	2.04	0
88	5.79	9.8	0.4	3	1.09E-07	4.66E-04	4	133.62	0	0	0	292.68	14	0.68	1.95	0
89	5.84	9.34	0.38	3	9.49E-08	3.84E-04	4	126.34	0	0	0	283.69	14	0.64	1.82	0
90	5.93	8.98	0.36	3	9.16E-08	3.62E-04	4	123.3	0	0	0	278.67	14	0.63	1.75	0
91	5.99	9.16	0.35	3	9.45E-08	3.72E-04	4	122.86	0	0	0	276.12	14	0.63	1.73	0
92	6.05	9.25	0.34	3	1.02E-07	4.08E-04	4	125.42	0	0	0	278.22	14	0.64	1.75	0
93	6.13	9.52	0.35	4	1.40E-07	6.31E-04	4	140.26	0	0	0	293.39	14	0.72	1.93	0
94	6.18	12.34	0.4	4	2.23E-07	1.19E-03	5	166.95	0	0	0	321.16	14	0.85	2.28	0
95	6.26	14.97	0.46	4	3.38E-07	2.13E-03	6	196.54	0	0	0	350.72	14	1	2.65	0
96	6.33	15.87	0.48	4	4.29E-07	2.97E-03	6	216.38	0	0	0	369.87	14	1.1	2.89	0
97	6.38	16.6	0.48	4	4.97E-07	3.61E-03	6	226.92	0	0	0	377.7	14	1.16	3	0
98	6.47	17.24	0.48	4	6.17E-07	4.75E-03	6	240.43	0	0	0	384.76	14	1.23	3.14	0
99	6.52	18.78	0.47	4	7.73E-07	6.27E-03	7	253.06	0	0	0	388.82	14	1.29	3.28	0
100	6.56	19.32	0.45	5	1.07E-06	9.17E-03	7	266.96	34	37	303.4	386.59	0	0	0	0
101	6.66	20.23	0.37	5	1.28E-06	1.10E-02	7	269.81	33	37	297.07	378.52	0	0	0	0
102	6.71	19.41	0.36	5	1.38E-06	1.17E-02	7	265.99	33	36	289	368.24	0	0	0	0
103	6.76	18.51	0.35	5	1.06E-06	8.34E-03	6	246.89	32	36	281.43	358.59	0	0	0	0
104	6.84	16.15	0.35	4	7.24E-07	5.28E-03	6	227.75	0	0	0	354.15	14	1.16	2.81	0
105	6.9	15.33	0.39	4	4.63E-07	3.16E-03	6	212.93	0	0	0	358.93	14	1.09	2.6	0
106	6.99	15.33	0.47	4	3.35E-07	2.25E-03	6	209.11	0	0	0	373.7	14	1.07	2.53	0
107	7.04	15.33	0.53	4	2.70E-07	1.83E-03	6	211.29	0	0	0	392.69	14	1.08	2.53	0
108	7.1	15.78	0.59	4	2.76E-07	1.97E-03	6	222.71	0	0	0	412.31	14	1.14	2.65	0
109	7.18	17.78	0.62	4	3.42E-07	2.65E-03	7	242.15	0	0	0	431.32	14	1.24	2.84	0
110	7.22	19.5	0.61	4	5.58E-07	4.97E-03	7	277.73	0	0	0	452.64	14	1.42	3.24	0
111	7.29	23.4	0.62	5	1.05E-06	1.12E-02	8	333.52	36	38	380.5	484.82	0	0	0	0
112	7.38	29.75	0.69	5	1.96E-06	2.55E-02	10	405.75	39	38	413.42	526.77	0	0	0	0
113	7.43	35.01	0.74	5	3.64E-06	5.76E-02	11	494.08	42	38	450.12	573.54	0	0	0	0
114	7.5	42.36	0.77	5	5.10E-06	9.06E-02	12	553.96	44	38	474.78	604.95	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
115	7.57	42.63	0.8	5	5.56E-06	1.03E-01	12	578.25	45	38	488.04	621.85	0	0	0	0
116	7.62	40.28	0.82	5	4.27E-06	7.48E-02	12	546.99	44	38	484.16	616.9	0	0	0	0
117	7.7	35.74	0.82	5	3.01E-06	4.86E-02	11	503.97	42	38	475.23	605.53	0	0	0	0
118	7.77	33.47	0.82	5	2.53E-06	3.92E-02	11	483.48	42	38	470.5	599.5	0	0	0	0
119	7.81	35.92	0.82	5	2.35E-06	3.59E-02	11	476.69	41	38	470.09	598.98	0	0	0	0
120	7.89	34.29	0.83	5	2.47E-06	3.88E-02	11	488.92	42	38	477.66	608.62	0	0	0	0
121	7.96	36.1	0.86	5	2.26E-06	3.52E-02	11	486.7	41	38	483.54	616.12	0	0	0	0
122	8.03	35.47	0.91	5	2.10E-06	3.28E-02	11	487.32	41	39	490.36	624.8	0	0	0	0
123	8.08	34.47	0.92	5	1.83E-06	2.78E-02	11	474.83	41	39	490	624.35	0	0	0	0
124	8.15	33.47	0.9	5	1.61E-06	2.37E-02	11	458.43	40	39	484.02	616.73	0	0	0	0
125	8.24	32.02	0.87	5	1.41E-06	1.98E-02	11	440	39	39	476.06	606.59	0	0	0	0
126	8.27	30.57	0.86	5	1.18E-06	1.57E-02	10	415.21	38	39	463.69	590.82	0	0	0	0
127	8.34	28.21	0.82	4	8.79E-07	1.06E-02	10	378.26	0	0	0	567.86	14	1.93	3.83	0
128	8.42	24.13	0.76	4	6.72E-07	7.42E-03	9	344.64	0	0	0	543.15	14	1.76	3.46	0
129	8.47	23.4	0.72	4	5.83E-07	6.04E-03	9	323.02	0	0	0	522.25	14	1.65	3.22	0
130	8.53	23.59	0.67	4	6.43E-07	6.60E-03	8	320.53	0	0	0	509.16	14	1.64	3.17	0
131	8.62	23.59	0.61	4	7.00E-07	7.12E-03	8	317.54	0	0	0	496.8	14	1.62	3.11	0
132	8.67	22.77	0.57	4	7.14E-07	6.94E-03	8	303.52	0	0	0	473.15	14	1.55	2.95	0
133	8.74	20.59	0.47	4	6.46E-07	5.77E-03	7	279.21	0	0	0	443.22	14	1.42	2.7	0
134	8.81	18.41	0.4	4	5.68E-07	4.51E-03	7	247.8	0	0	0	402.53	14	1.26	2.37	0
135	8.87	16.06	0.31	4	4.60E-07	3.16E-03	6	214.73	0	0	0	362.49	14	1.1	2.04	0
136	8.93	13.52	0.25	4	2.72E-07	1.56E-03	5	179.07	0	0	0	332.31	14	0.91	1.69	0
137	9.01	10.79	0.29	4	9.90E-08	4.47E-04	5	140.86	0	0	0	313.89	14	0.72	1.32	0
138	9.06	7.89	0.34	3	4.70E-08	1.92E-04	4	127.46	0	0	0	325.04	14	0.65	1.19	0
139	9.13	10.66	0.44	3	1.84E-08	6.62E-05	4	112.19	0	0	0	338.96	14	0.57	1.04	0
140	9.19	7.53	0.55	3	1.61E-08	6.40E-05	5	124.44	0	0	0	385.39	14	0.63	1.15	0
141	9.26	10.52	0.78	3	1.70E-08	8.08E-05	6	148.37	0	0	0	454.74	14	0.76	1.37	0
142	9.32	15.78	1.14	3	6.42E-08	4.72E-04	8	229.66	0	0	0	553.57	14	1.17	2.12	0
143	9.39	24.95	1.18	4	8.13E-07	1.20E-02	12	459.5	0	0	0	699.57	14	2.34	4.22	0
144	9.48	59.78	1.15	5	5.95E-06	1.50E-01	17	785.78	49	39	655.05	834.65	0	0	0	0
145	9.54	85.72	1.41	5	1.87E-05	3.73E-01	21	621.47	56	40	736.85	938.88	0	0	0	0
146	9.58	89.62	1.47	6	2.42E-05	5.11E-01	21	659.67	58	40	746.56	951.25	0	0	0	0
147	9.66	74.11	1.11	5	2.09E-05	4.15E-01	20	620.69	56	39	721.51	919.34	0	0	0	0
148	9.72	71.12	1.22	5	1.66E-05	3.00E-01	19	564.06	54	39	683.42	870.8	0	0	0	0
149	9.8	68.4	1.18	5	1.41E-05	2.43E-01	18	535.32	52	39	667.65	850.7	0	0	0	0
150	9.85	63.32	1.01	5	1.69E-05	2.86E-01	18	526.66	52	38	635.82	810.15	0	0	0	0
151	9.92	67.85	0.81	6	2.47E-05	4.14E-01	17	523.76	51	38	590.66	752.6	0	0	0	0
152	9.99	67.31	0.61	6	3.59E-05	6.04E-01	17	525.65	51	38	554.04	705.94	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
153	10.04	64.04	0.57	6	3.18E-05	4.92E-01	15	482.81	49	37	520.11	662.71	0	0	0	0
154	10.11	51.8	0.57	6	2.12E-05	2.94E-01	14	432.67	47	37	501.61	639.15	0	0	0	0
155	10.18	48.53	0.57	5	1.20E-05	1.45E-01	13	377.2	44	37	484.55	617.4	0	0	0	0
156	10.24	43.27	0.59	5	7.72E-06	8.72E-02	13	352.59	43	37	490.69	625.22	0	0	0	0
157	10.32	42.59	0.75	5	4.61E-06	8.43E-02	12	570.83	41	37	498.28	634.9	0	0	0	0
158	10.39	38.64	0.8	5	3.07E-06	5.55E-02	13	564.48	41	38	530.42	675.84	0	0	0	0
159	10.45	41.91	1.04	5	2.04E-06	3.57E-02	13	547.38	41	38	553.97	705.85	0	0	0	0
160	10.54	38.92	1.15	5	1.33E-06	2.26E-02	13	531.37	40	39	581.17	740.51	0	0	0	0
161	10.59	35.2	1.29	4	9.70E-07	1.59E-02	13	510.66	0	0	0	753.03	14	2.61	4.41	0
162	10.63	37.46	1.3	5	1.64E-06	3.08E-02	14	585.89	42	39	616.71	785.8	0	0	0	0
163	10.73	55.06	1.2	5	4.36E-06	1.03E-01	16	740.22	47	39	652.85	831.85	0	0	0	0
164	10.78	68.31	1.21	5	7.13E-06	1.16E-01	19	506.36	51	39	714.88	910.89	0	0	0	0
165	10.87	68.76	1.74	5	6.54E-06	1.10E-01	19	526.39	52	40	754.81	961.76	0	0	0	0
166	10.91	62.59	1.71	5	4.76E-06	1.34E-01	19	878.36	51	40	762.36	971.39	0	0	0	0
167	10.96	59.14	1.49	5	5.39E-06	1.46E-01	18	847.51	50	39	719.26	916.47	0	0	0	0
168	11.03	62.14	1.14	5	9.01E-06	1.42E-01	18	491.1	49	39	664.58	846.8	0	0	0	0
169	11.11	65.13	0.82	5	1.34E-05	2.05E-01	16	476.89	48	38	600.55	765.21	0	0	0	0
170	11.16	53.79	0.68	5	1.70E-05	2.48E-01	15	454.52	47	37	548.13	698.42	0	0	0	0
171	11.22	53.75	0.59	5	1.31E-05	1.77E-01	15	424.03	46	37	536.58	683.7	0	0	0	0
172	11.29	53.7	0.8	5	1.53E-05	2.39E-01	17	488.06	49	38	600.14	764.68	0	0	0	0
173	11.35	77.83	1.18	5	1.83E-05	3.30E-01	19	562.42	52	39	669.46	853.01	0	0	0	0
174	11.42	81.64	1.16	6	2.70E-05	5.76E-01	21	665.73	56	39	738.59	941.1	0	0	0	0
175	11.49	92.44	1.3	6	3.71E-05	9.51E-01	25	801.64	61	40	839.98	1070.28	0	0	0	0
176	11.59	128.81	2.04	6	4.72E-05	1.44E+00	29	950.78	67	41	953.53	1214.97	0	0	0	0
177	11.62	137.61	2.22	6	3.68E-05	1.15E+00	31	977.8	68	42	1025.96	1307.26	0	0	0	0
178	11.69	102.59	2.32	5	1.89E-05	5.13E-01	28	849.21	64	41	1005.29	1280.92	0	0	0	0
179	11.79	80.55	2.32	5	6.13E-06	1.27E-01	24	649.29	57	41	942.21	1200.54	0	0	0	0
180	11.81	62.59	2.32	4	2.04E-06	5.60E-02	20	857.05	0	0	0	1104.84	14	4.37	6.98	0
181	11.88	42.73	2.17	4	6.73E-07	1.32E-02	16	611.5	0	0	0	963.43	14	3.12	4.96	0
182	11.98	27.94	1.54	4	2.36E-07	3.28E-03	13	432.62	0	0	0	823.6	14	2.21	3.5	0
183	12.02	24.22	1.37	3	1.09E-07	1.12E-03	10	319.65	0	0	0	699.86	14	1.63	2.58	0
184	12.08	18.51	1.17	3	7.67E-08	6.52E-04	9	265.33	0	0	0	619.26	14	1.35	2.13	0
185	12.17	16.24	0.8	3	6.46E-08	4.74E-04	8	229.2	0	0	0	551.86	14	1.17	1.84	0
186	12.22	16.51	0.72	4	5.11E-07	5.59E-03	9	341.48	0	0	0	565.51	14	1.74	2.73	0
187	12.3	42.54	0.6	5	4.51E-06	8.12E-02	12	561.83	40	36	492.32	627.3	0	0	0	0
188	12.36	63.5	0.6	6	1.81E-05	2.62E-01	15	452.85	46	37	540.39	688.55	0	0	0	0
189	12.41	65.95	0.71	5	1.59E-05	2.43E-01	16	476.92	47	37	582.15	741.76	0	0	0	0
190	12.49	51.61	0.98	5	6.31E-06	8.48E-02	16	419.22	45	38	605.01	770.88	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
191	12.55	41.91	1.14	5	1.89E-06	3.55E-02	14	587.14	41	39	602.47	767.65	0	0	0	0
192	12.6	34.56	1.18	4	8.06E-07	1.25E-02	13	484.33	0	0	0	738.5	14	2.47	3.8	0
193	12.67	29.57	1.09	4	4.92E-07	6.71E-03	12	425.54	0	0	0	709.49	14	2.17	3.33	0
194	12.73	29.3	1.08	4	4.61E-07	6.07E-03	11	410.75	0	0	0	692.97	14	2.1	3.21	0
195	12.8	31.39	1.05	5	1.40E-06	2.41E-02	13	537.51	39	39	582.35	742.02	0	0	0	0
196	12.89	56.69	1.05	5	6.61E-06	9.54E-02	17	450.17	46	38	644.27	820.92	0	0	0	0
197	12.95	82.91	1.07	6	2.57E-05	5.23E-01	21	635.47	54	39	711.46	906.52	0	0	0	0
198	12.99	100.87	1.11	6	6.22E-05	1.60E+00	24	801.93	60	40	765.08	974.85	0	0	0	0
199	13.07	119.19	1.15	6	9.35E-05	2.69E+00	26	896.54	63	40	794.48	1012.31	0	0	0	0
200	13.14	118.47	1.14	6	1.12E-04	3.36E+00	26	938.17	64	40	805.1	1025.85	0	0	0	0
201	13.22	116.56	1.12	6	1.10E-04	3.24E+00	26	923.14	64	40	795.08	1013.07	0	0	0	0
202	13.28	113.57	1.07	6	1.05E-04	3.01E+00	25	896.97	63	40	778.61	992.09	0	0	0	0
203	13.32	108.67	1.01	6	9.60E-05	2.63E+00	25	855.58	61	40	754.69	961.61	0	0	0	0
204	13.39	101.05	0.95	6	8.22E-05	2.13E+00	24	810.31	60	39	735.15	936.71	0	0	0	0
205	13.47	96.61	0.96	6	6.72E-05	1.65E+00	23	767.23	58	39	721.86	919.78	0	0	0	0
206	13.52	92.53	0.97	6	4.70E-05	1.07E+00	22	712.98	56	39	715.49	911.66	0	0	0	0
207	13.61	80.73	1.03	6	2.65E-05	5.46E-01	21	642.03	54	39	714.58	910.5	0	0	0	0
208	13.66	70.03	1.18	5	1.04E-05	1.80E-01	19	542.78	50	38	716.06	912.39	0	0	0	0
209	13.72	55.33	1.41	5	3.32E-06	8.23E-02	17	772.49	46	39	715.44	911.6	0	0	0	0
210	13.8	42.73	1.59	4	1.10E-06	2.16E-02	15	610.72	0	0	0	879.9	14	3.12	4.55	0
211	13.86	35.38	1.47	4	4.67E-07	7.38E-03	13	493.05	0	0	0	829.86	14	2.52	3.67	0
212	13.91	30.12	1.36	4	3.10E-07	4.28E-03	12	430.87	0	0	0	780.95	14	2.2	3.2	0
213	13.98	29.39	1.29	4	2.93E-07	3.90E-03	12	415.27	0	0	0	760.48	14	2.12	3.07	0
214	14.04	32.02	1.28	4	7.44E-07	1.24E-02	14	518.74	0	0	0	802.52	14	2.65	3.83	0
215	14.12	52.25	1.31	5	3.22E-06	7.69E-02	17	745.47	44	39	694.4	884.8	0	0	0	0
216	14.18	77.92	1.31	5	1.36E-05	2.67E-01	21	613.07	52	39	770.01	981.13	0	0	0	0
217	14.24	102.14	1.37	6	3.41E-05	8.55E-01	25	782.76	59	40	832.54	1060.81	0	0	0	0
218	14.34	115.93	1.47	6	5.18E-05	1.47E+00	27	887.83	62	40	875.7	1115.79	0	0	0	0
219	14.38	117.38	1.51	6	6.00E-05	1.82E+00	28	945.73	64	41	908.31	1157.35	0	0	0	0
220	14.46	123.91	1.6	6	6.24E-05	1.95E+00	29	975.72	65	41	930.28	1185.34	0	0	0	0
221	14.53	127.18	1.66	6	6.60E-05	2.13E+00	30	1007.81	66	41	951.26	1212.07	0	0	0	0
222	14.57	129.44	1.68	6	6.86E-05	2.26E+00	30	1028.83	66	41	964.41	1228.82	0	0	0	0
223	14.63	131.8	1.71	6	6.79E-05	2.26E+00	31	1041.6	67	41	978.18	1246.37	0	0	0	0
224	14.72	131.98	1.8	6	6.33E-05	2.11E+00	31	1043.26	67	41	992.26	1264.31	0	0	0	0
225	14.77	130.08	1.86	6	5.57E-05	1.84E+00	31	1031.87	66	41	1004.28	1279.63	0	0	0	0
226	14.84	127.54	1.92	6	4.94E-05	1.60E+00	31	1014.67	66	41	1009.38	1286.14	0	0	0	0
227	14.9	125.54	1.93	6	4.40E-05	1.40E+00	31	994.1	65	41	1009.74	1286.58	0	0	0	0
228	15	122.37	1.94	6	4.11E-05	1.29E+00	30	980.28	65	41	1008.15	1284.56	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
229	15.05	122.37	1.93	6	3.99E-05	1.24E+00	30	971.8	64	41	1004.57	1280	0	0	0	0
230	15.1	122.37	1.9	6	4.07E-05	1.27E+00	30	971.07	64	41	1000.33	1274.6	0	0	0	0
231	15.16	122.1	1.87	6	4.06E-05	1.25E+00	30	964.51	64	41	993.98	1266.51	0	0	0	0
232	15.24	119.92	1.86	6	3.95E-05	1.21E+00	30	953.85	64	41	988.08	1258.99	0	0	0	0
233	15.29	118.38	1.85	6	3.79E-05	1.14E+00	29	940.27	63	41	981.23	1250.26	0	0	0	0
234	15.39	117.02	1.82	6	3.66E-05	1.09E+00	29	929.84	63	41	976.29	1243.97	0	0	0	0
235	15.42	116.02	1.81	6	3.55E-05	1.04E+00	29	917.96	62	41	969.48	1235.29	0	0	0	0
236	15.49	113.93	1.79	6	3.44E-05	9.99E-01	29	907.54	62	41	964.03	1228.35	0	0	0	0
237	15.56	113.12	1.77	6	3.34E-05	9.61E-01	28	897.59	62	40	958.26	1220.99	0	0	0	0
238	15.62	112.3	1.76	6	3.46E-05	9.90E-01	28	892.52	61	40	946.7	1206.26	0	0	0	0
239	15.72	112.03	1.64	6	3.67E-05	1.05E+00	28	889.83	61	40	933.91	1189.96	0	0	0	0
240	15.77	112.12	1.59	6	3.90E-05	1.11E+00	28	889.33	61	40	923.11	1176.21	0	0	0	0
241	15.82	112.12	1.6	6	3.96E-05	1.13E+00	28	891.76	61	40	923.41	1176.6	0	0	0	0
242	15.89	112.94	1.63	6	3.93E-05	1.13E+00	28	894.64	61	40	927.31	1181.56	0	0	0	0
243	15.96	113.21	1.63	6	3.92E-05	1.12E+00	28	895.84	61	40	929.18	1183.94	0	0	0	0
244	16.01	112.57	1.62	6	3.95E-05	1.14E+00	28	896.56	61	40	928.49	1183.06	0	0	0	0
245	16.1	113.21	1.61	6	3.96E-05	1.14E+00	28	896.52	61	40	928.22	1182.72	0	0	0	0
246	16.16	113.21	1.61	6	4.00E-05	1.15E+00	28	900.1	61	40	929.97	1184.94	0	0	0	0
247	16.21	113.93	1.62	6	4.04E-05	1.17E+00	28	905.32	61	40	933.94	1190.01	0	0	0	0
248	16.3	115.2	1.64	6	4.11E-05	1.20E+00	28	912	62	40	937.92	1195.08	0	0	0	0
249	16.34	115.75	1.63	6	4.12E-05	1.20E+00	28	913.4	62	40	939.03	1196.5	0	0	0	0
250	16.41	114.48	1.63	6	3.96E-05	1.15E+00	28	904.91	61	40	937.05	1193.97	0	0	0	0
251	16.49	112.03	1.63	6	3.61E-05	1.03E+00	28	886.71	61	40	933.39	1189.31	0	0	0	0
252	16.54	108.94	1.64	6	3.00E-05	8.18E-01	27	849.92	59	40	925.02	1178.64	0	0	0	0
253	16.63	100.69	1.64	6	2.27E-05	5.80E-01	26	796.16	58	40	911.36	1161.24	0	0	0	0
254	16.68	91.89	1.64	5	1.44E-05	3.28E-01	24	713.41	55	39	887.38	1130.69	0	0	0	0
255	16.74	77.92	1.64	5	7.99E-06	1.58E-01	22	618.79	51	39	855.72	1090.35	0	0	0	0
256	16.83	65.22	1.63	5	4.05E-06	1.19E-01	20	919.44	47	39	821.66	1046.94	0	0	0	0
257	16.87	56.88	1.63	5	1.61E-06	3.80E-02	18	737.83	43	40	779.27	992.92	0	0	0	0
258	16.95	39.01	1.66	4	6.44E-07	1.21E-02	16	586.75	0	0	0	931.82	14	2.99	3.85	0
259	17.01	32.84	1.53	4	2.89E-07	4.39E-03	14	473.87	0	0	0	869.91	14	2.42	3.11	0
260	17.06	32.66	1.43	4	2.83E-07	4.03E-03	13	444.48	0	0	0	819	14	2.27	2.91	0
261	17.16	32.66	1.14	4	3.47E-07	4.92E-03	13	442.85	0	0	0	786.56	14	2.26	2.89	0
262	17.21	32.47	1.11	4	5.25E-07	7.93E-03	13	471.31	0	0	0	776.69	14	2.4	3.07	0
263	17.27	38.55	1.15	4	6.22E-07	9.83E-03	13	493.31	0	0	0	788.34	14	2.52	3.2	0
264	17.35	37.28	1.17	4	7.24E-07	1.19E-02	13	511.68	0	0	0	795.64	14	2.61	3.31	0
265	17.4	36.38	1.1	4	6.24E-07	9.57E-03	13	479.14	0	0	0	765.36	14	2.44	3.09	0
266	17.48	31.75	0.94	4	5.33E-07	7.63E-03	12	446.61	0	0	0	733.96	14	2.28	2.88	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
267	17.54	30.39	0.95	4	5.41E-07	7.57E-03	12	436.39	0	0	0	715.16	14	2.23	2.8	0
268	17.59	34.11	0.93	5	1.19E-06	2.01E-02	13	526.44	36	38	587.13	748.11	0	0	0	0
269	17.66	50.89	0.92	5	4.57E-06	1.06E-01	16	725.78	42	37	634.62	808.62	0	0	0	0
270	17.73	72.93	0.92	5	1.30E-05	2.22E-01	19	533.88	47	37	676.05	861.41	0	0	0	0
271	17.83	78.92	0.92	6	2.23E-05	4.35E-01	20	608.51	50	38	698.85	890.46	0	0	0	0
272	17.88	79.1	0.92	6	2.44E-05	4.87E-01	20	622.59	50	38	703.56	896.46	0	0	0	0
273	17.93	78.47	0.93	6	2.28E-05	4.48E-01	20	614.5	50	38	703.27	896.09	0	0	0	0
274	18.03	75.93	0.94	6	2.06E-05	3.98E-01	20	604.26	49	38	704.19	897.27	0	0	0	0
275	18.07	75.29	0.96	5	1.83E-05	3.48E-01	20	594.56	49	38	707.9	901.99	0	0	0	0
276	18.12	74.84	1	5	1.68E-05	3.20E-01	20	593	49	38	716.75	913.26	0	0	0	0
277	18.21	75.34	1.04	5	1.55E-05	2.93E-01	20	590.58	49	38	724.6	923.28	0	0	0	0
278	18.26	74.38	1.05	5	1.49E-05	2.83E-01	20	592.06	49	38	731.41	931.94	0	0	0	0
279	18.34	75.38	1.07	5	1.46E-05	2.78E-01	20	593.87	49	38	736.14	937.97	0	0	0	0
280	18.39	76.02	1.09	5	1.49E-05	2.87E-01	21	602.37	49	38	744.26	948.32	0	0	0	0
281	18.45	77.56	1.11	5	1.50E-05	2.93E-01	21	610.1	49	38	753.19	959.69	0	0	0	0
282	18.51	78.28	1.15	5	1.45E-05	2.85E-01	21	614.17	50	38	762.86	972.02	0	0	0	0
283	18.6	77.56	1.19	5	1.37E-05	2.69E-01	21	613.15	50	38	769.36	980.31	0	0	0	0
284	18.64	77.2	1.19	5	1.29E-05	2.52E-01	21	608.14	49	38	770.84	982.19	0	0	0	0
285	18.74	76.47	1.18	5	1.27E-05	2.45E-01	21	603.35	49	38	767.46	977.88	0	0	0	0
286	18.79	75.83	1.16	5	1.27E-05	2.44E-01	21	599.56	49	38	762.49	971.54	0	0	0	0
287	18.88	75.83	1.14	5	1.28E-05	2.44E-01	21	597.82	49	38	759.74	968.04	0	0	0	0
288	18.92	75.83	1.15	5	1.30E-05	2.50E-01	21	600	49	38	760	968.38	0	0	0	0
289	18.98	76.65	1.15	5	1.36E-05	2.63E-01	21	604.36	49	38	759.05	967.16	0	0	0	0
290	19.08	77.47	1.11	5	1.35E-05	2.60E-01	21	601.7	49	38	756.66	964.12	0	0	0	0
291	19.12	74.84	1.12	5	1.25E-05	2.37E-01	21	589.86	48	38	751.9	958.06	0	0	0	0
292	19.17	72.21	1.13	5	1.06E-05	1.92E-01	20	565.17	47	38	742.8	946.46	0	0	0	0
293	19.26	68.22	1.09	5	1.06E-05	1.89E-01	20	555.77	47	38	729.87	929.99	0	0	0	0
294	19.31	71.3	0.99	5	1.27E-05	2.24E-01	19	550.88	47	37	700.53	892.6	0	0	0	0
295	19.36	70.39	0.79	6	1.83E-05	3.23E-01	19	551.28	46	37	656.39	836.36	0	0	0	0
296	19.44	68.4	0.58	6	2.34E-05	4.01E-01	18	535.81	46	37	610.17	777.47	0	0	0	0
297	19.5	65.58	0.55	6	2.38E-05	3.89E-01	17	509.26	45	36	577.99	736.46	0	0	0	0
298	19.56	60.5	0.55	6	1.75E-05	2.66E-01	16	473.86	43	36	568.55	724.43	0	0	0	0
299	19.65	55.15	0.59	5	1.17E-05	1.62E-01	15	434.07	41	36	560.55	714.25	0	0	0	0
300	19.7	50.71	0.59	5	7.89E-06	1.01E-01	15	398.33	40	36	552.11	703.49	0	0	0	0
301	19.75	47.08	0.59	5	6.59E-06	8.07E-02	14	382.11	39	36	547.19	697.22	0	0	0	0
302	19.83	49.07	0.6	5	6.40E-06	7.92E-02	14	386.37	39	36	556.3	708.82	0	0	0	0
303	19.89	52.25	0.66	5	7.10E-06	9.32E-02	15	409.64	40	36	578.72	737.4	0	0	0	0
304	19.98	55.79	0.73	5	8.59E-06	1.21E-01	16	440.63	41	36	601.5	766.41	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
305	20.02	60.69	0.72	5	1.13E-05	1.73E-01	17	476.92	43	36	619.07	788.81	0	0	0	0
306	20.08	65.86	0.72	6	1.83E-05	3.15E-01	18	536.93	45	37	638.98	814.17	0	0	0	0
307	20.17	78.28	0.74	6	2.50E-05	4.67E-01	19	583.52	47	37	656.58	836.59	0	0	0	0
308	20.21	78.19	0.76	6	2.73E-05	5.24E-01	19	599.84	48	37	664.43	846.6	0	0	0	0
309	20.29	72.02	0.75	6	2.27E-05	4.15E-01	19	571.6	47	37	654.64	834.12	0	0	0	0
310	20.37	67.76	0.72	5	1.73E-05	2.97E-01	18	536.2	45	37	644.87	821.67	0	0	0	0
311	20.41	64.95	0.76	5	1.15E-05	1.86E-01	18	506.21	44	37	655.79	835.59	0	0	0	0
312	20.49	60.78	0.96	5	6.79E-06	1.04E-01	18	477.94	43	37	680.78	867.44	0	0	0	0
313	20.56	57.15	1.1	5	3.97E-06	9.90E-02	17	778.03	41	37	697.73	889.03	0	0	0	0
314	20.61	52.43	1.11	5	2.71E-06	6.26E-02	17	720.58	40	38	692.45	882.31	0	0	0	0
315	20.68	48.44	1.06	5	2.16E-06	4.65E-02	16	671.23	39	38	672.06	856.33	0	0	0	0
316	20.75	46.54	0.98	5	2.26E-06	4.77E-02	16	658.52	38	37	653.81	833.06	0	0	0	0
317	20.85	49.62	0.91	5	3.04E-06	6.70E-02	16	688.85	39	37	648.52	826.33	0	0	0	0
318	20.89	54.79	0.89	5	5.01E-06	1.22E-01	17	763.21	41	37	656.39	836.35	0	0	0	0
319	20.95	62.32	0.88	5	7.50E-06	1.15E-01	18	478.6	43	37	669.61	853.21	0	0	0	0
320	21.04	65.58	0.88	5	9.42E-06	1.52E-01	18	504.85	44	37	677.76	863.59	0	0	0	0
321	21.08	64.77	0.88	5	9.66E-06	1.57E-01	18	507.33	44	37	677.93	863.81	0	0	0	0
322	21.13	63.41	0.87	5	8.75E-06	1.39E-01	18	495.44	43	37	673.97	858.76	0	0	0	0
323	21.2	61.14	0.88	5	7.58E-06	1.17E-01	18	482.04	43	37	673.02	857.55	0	0	0	0
324	21.28	59.78	0.92	5	6.25E-06	9.38E-02	18	468.27	42	37	676.98	862.59	0	0	0	0
325	21.34	58.24	0.96	5	5.19E-06	1.33E-01	17	799.99	42	37	683.55	870.97	0	0	0	0
326	21.42	56.97	1	5	4.43E-06	1.11E-01	17	780.68	41	37	686.4	874.6	0	0	0	0
327	21.47	55.61	0.99	5	3.98E-06	9.75E-02	17	763.86	41	37	684.67	872.39	0	0	0	0
328	21.53	54.61	0.98	5	3.70E-06	8.88E-02	17	748.73	40	37	680.11	866.58	0	0	0	0
329	21.61	53.7	0.98	5	3.44E-06	8.08E-02	17	733.2	40	37	674.88	859.92	0	0	0	0
330	21.66	52.25	0.96	5	3.25E-06	7.50E-02	16	721.07	39	37	670.63	854.51	0	0	0	0
331	21.72	51.98	0.96	5	3.20E-06	7.35E-02	16	716.97	39	37	668.63	851.95	0	0	0	0
332	21.8	52.79	0.96	5	3.46E-06	8.08E-02	17	728.05	40	37	669.27	852.77	0	0	0	0
333	21.85	54.61	0.94	5	4.17E-06	1.00E-01	17	753.08	40	37	669.59	853.18	0	0	0	0
334	21.95	57.33	0.89	5	5.01E-06	1.25E-01	17	780.58	41	37	671.23	855.27	0	0	0	0
335	22	58.69	0.9	5	5.71E-06	1.48E-01	17	808.8	42	37	679.23	865.46	0	0	0	0
336	22.09	60.69	0.96	5	5.62E-06	1.47E-01	18	817.03	42	37	688.08	876.73	0	0	0	0
337	22.13	59.14	0.97	5	5.23E-06	1.35E-01	18	805.85	41	37	687.69	876.24	0	0	0	0
338	22.19	56.33	0.92	5	4.34E-06	1.05E-01	17	754.11	40	37	665.57	848.05	0	0	0	0
339	22.26	49.62	0.82	5	3.44E-06	7.60E-02	16	689.75	38	36	634.85	808.92	0	0	0	0
340	22.33	45.36	0.77	5	2.75E-06	5.55E-02	15	630.04	37	36	603.83	769.39	0	0	0	0
341	22.38	43.54	0.71	5	2.39E-06	4.49E-02	14	586.08	35	36	576.06	734	0	0	0	0
342	22.47	40.19	0.62	5	2.09E-06	3.68E-02	13	551.33	34	36	555.54	707.86	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
343	22.52	37.92	0.63	5	1.79E-06	3.01E-02	13	523.59	33	36	542.28	690.96	0	0	0	0
344	22.57	37.69	0.64	5	1.55E-06	2.54E-02	13	510.41	33	36	542.65	691.43	0	0	0	0
345	22.65	37.46	0.66	5	1.21E-06	1.88E-02	12	483.68	32	36	537.69	685.11	0	0	0	0
346	22.71	32.29	0.65	5	7.72E-07	1.07E-02	11	433.27	30	36	522.63	665.93	0	0	0	0
347	22.8	26.76	0.63	4	4.66E-07	5.64E-03	11	377.62	0	0	0	635.79	14	1.93	2.03	0
348	22.86	25.31	0.58	4	4.59E-07	5.37E-03	10	365.49	0	0	0	617.17	14	1.86	1.96	0
349	22.9	29.39	0.53	5	1.07E-06	1.48E-02	11	430.67	30	36	489.54	623.76	0	0	0	0
350	22.99	40.64	0.48	5	2.43E-06	3.98E-02	12	510.79	33	35	500.65	637.92	0	0	0	0
351	23.04	42.63	0.48	5	4.15E-06	7.61E-02	13	572.96	35	35	509.82	649.61	0	0	0	0
352	23.14	43	0.48	5	4.43E-06	8.26E-02	13	582.12	35	35	511.8	652.12	0	0	0	0
353	23.19	42.82	0.47	5	4.55E-06	8.55E-02	13	586.44	35	35	513.16	653.86	0	0	0	0
354	23.23	43.63	0.48	5	4.57E-06	8.74E-02	13	597.08	35	35	522.08	665.23	0	0	0	0
355	23.3	45.27	0.54	5	4.29E-06	8.41E-02	14	612.33	36	35	541.58	690.06	0	0	0	0
356	23.38	46.08	0.62	5	3.80E-06	7.61E-02	14	624.61	36	35	564.56	719.35	0	0	0	0
357	23.43	46.26	0.68	5	3.02E-06	6.02E-02	14	623.04	36	36	587.2	748.2	0	0	0	0
358	23.51	44.9	0.77	5	2.21E-06	4.29E-02	14	606.26	35	36	604.6	770.36	0	0	0	0
359	23.57	42.45	0.85	5	1.41E-06	2.57E-02	14	566.71	34	37	612.6	780.57	0	0	0	0
360	23.66	37.74	0.87	5	8.99E-07	1.51E-02	14	523.69	33	37	614.55	783.04	0	0	0	0
361	23.71	35.65	0.92	4	5.60E-07	8.66E-03	13	483.27	0	0	0	787.26	14	2.47	2.53	0
362	23.76	33.74	1.03	4	3.41E-07	4.88E-03	13	446.03	0	0	0	794.59	14	2.28	2.33	0
363	23.86	29.66	1.1	4	2.16E-07	2.83E-03	12	407.96	0	0	0	789.29	14	2.08	2.13	0
364	23.91	27.39	1.03	4	1.39E-07	1.61E-03	11	362.31	0	0	0	759.37	14	1.85	1.89	0
365	23.95	23.86	0.93	3	8.52E-08	8.34E-04	10	305.36	0	0	0	699.18	14	1.56	1.59	0
366	24.05	17.33	0.75	3	5.46E-08	4.51E-04	9	257.79	0	0	0	639.82	14	1.32	1.34	0
367	24.1	17.05	0.67	3	4.74E-08	3.53E-04	8	232.63	0	0	0	592.23	14	1.19	1.2	0
368	24.15	18.14	0.59	4	1.44E-07	1.32E-03	9	286.49	0	0	0	596.89	14	1.46	1.48	0
369	24.22	28.39	0.52	4	6.67E-07	8.42E-03	11	394.17	0	0	0	622.04	14	2.01	2.03	0
370	24.29	39.82	0.49	5	2.46E-06	4.15E-02	12	526.61	33	35	514.94	656.12	0	0	0	0
371	24.34	46.81	0.51	5	4.62E-06	9.06E-02	14	611.45	35	35	533.48	679.75	0	0	0	0
372	24.43	47.35	0.51	5	5.38E-06	1.11E-01	14	641.78	36	35	544.84	694.23	0	0	0	0
373	24.48	46.99	0.53	5	5.09E-06	1.06E-01	14	648.64	36	35	556.1	708.57	0	0	0	0
374	24.57	48.53	0.6	5	4.75E-06	9.99E-02	15	655.75	36	35	569.27	725.35	0	0	0	0
375	24.63	48.89	0.62	5	4.49E-06	9.53E-02	15	662.56	36	35	581.13	740.46	0	0	0	0
376	24.67	48.44	0.63	5	4.13E-06	8.69E-02	15	657.6	36	35	585.67	746.25	0	0	0	0
377	24.74	47.44	0.65	5	3.53E-06	7.27E-02	15	642.5	36	36	588.6	749.98	0	0	0	0
378	24.82	45.63	0.68	5	2.95E-06	5.78E-02	14	612.46	35	36	579.79	738.76	0	0	0	0
379	24.91	42	0.61	5	2.52E-06	4.69E-02	14	581.9	34	36	566.69	722.07	0	0	0	0
380	24.94	40.91	0.58	5	2.29E-06	4.03E-02	13	549.76	33	35	544.87	694.26	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
381	25.01	38.73	0.53	5	2.02E-06	3.40E-02	13	524.16	32	35	531.05	676.65	0	0	0	0
382	25.09	36.47	0.53	5	1.78E-06	2.85E-02	12	501.17	32	35	519.89	662.43	0	0	0	0
383	25.14	35.92	0.53	5	1.41E-06	2.19E-02	12	484.58	31	35	524.07	667.76	0	0	0	0
384	25.2	35.11	0.61	5	1.14E-06	1.73E-02	12	472.95	31	36	531.55	677.29	0	0	0	0
385	25.29	33.93	0.63	5	9.18E-07	1.35E-02	12	457.84	30	36	535.2	681.94	0	0	0	0
386	25.34	32.66	0.6	5	7.90E-07	1.10E-02	12	435.78	29	36	523.49	667.02	0	0	0	0
387	25.4	30.39	0.55	4	7.13E-07	9.40E-03	11	411.52	0	0	0	641.63	14	2.1	2.05	0
388	25.49	28.76	0.49	4	6.89E-07	8.69E-03	11	393.86	0	0	0	617.91	14	2.01	1.96	0
389	25.53	28.94	0.46	5	8.15E-07	1.02E-02	10	391.38	28	35	467.43	595.6	0	0	0	0
390	25.61	29.93	0.39	5	1.15E-06	1.47E-02	10	401.51	28	35	450.93	574.56	0	0	0	0
391	25.66	31.02	0.32	5	1.71E-06	2.27E-02	10	415.66	29	34	434.39	553.49	0	0	0	0
392	25.73	32.02	0.29	5	2.33E-06	3.22E-02	10	431.83	29	33	426.63	543.6	0	0	0	0
393	25.8	33.38	0.3	5	2.91E-06	4.19E-02	11	449.73	30	33	426.64	543.62	0	0	0	0
394	25.86	34.83	0.28	5	4.94E-06	8.05E-02	11	509.05	32	33	438.92	559.26	0	0	0	0
395	25.93	44.9	0.28	5	7.86E-06	8.29E-02	12	329.15	34	33	456.59	581.78	0	0	0	0
396	26.01	47.9	0.32	5	1.06E-05	1.25E-01	13	367.91	35	34	483.11	615.57	0	0	0	0
397	26.06	49.53	0.38	5	8.85E-06	1.06E-01	14	375.03	36	34	509.21	648.83	0	0	0	0
398	26.16	47.53	0.46	5	6.62E-06	7.79E-02	14	367.31	35	34	525.6	669.71	0	0	0	0
399	26.2	44.99	0.47	5	4.79E-06	9.38E-02	14	611.14	34	34	529.83	675.09	0	0	0	0
400	26.25	42.73	0.47	5	3.73E-06	6.82E-02	13	571.6	33	34	518.55	660.73	0	0	0	0
401	26.33	39.01	0.43	5	3.20E-06	5.50E-02	12	537.58	32	34	501.48	638.97	0	0	0	0
402	26.39	37.65	0.38	5	2.93E-06	4.76E-02	12	506.95	31	34	480.32	612.01	0	0	0	0
403	26.44	36.1	0.35	5	2.89E-06	4.46E-02	11	482.16	31	34	458.07	583.66	0	0	0	0
404	26.52	33.65	0.3	5	2.81E-06	4.12E-02	11	457.9	30	33	437.28	557.17	0	0	0	0
405	26.59	32.38	0.27	5	2.95E-06	4.10E-02	10	433.03	29	33	409.73	522.07	0	0	0	0
406	26.68	30.66	0.19	5	3.54E-06	4.78E-02	10	421.24	28	32	385.73	491.48	0	0	0	0
407	26.71	31.02	0.16	5	5.49E-06	7.62E-02	10	433.55	29	32	366.73	467.28	0	0	0	0
408	26.78	34.92	0.14	5	1.02E-05	9.19E-02	10	281.63	31	32	372.73	474.92	0	0	0	0
409	26.84	43.36	0.15	6	1.59E-05	1.63E-01	11	321.53	33	32	392.75	500.44	0	0	0	0
410	26.92	46.08	0.19	6	1.58E-05	1.74E-01	12	342.52	34	33	418.61	533.38	0	0	0	0
411	27	42.91	0.24	5	1.06E-05	1.12E-01	12	330.34	33	33	434.35	553.44	0	0	0	0
412	27.07	38.92	0.27	5	6.28E-06	6.13E-02	12	304.71	32	33	440.2	560.9	0	0	0	0
413	27.11	36.47	0.29	5	4.10E-06	6.51E-02	11	496.22	31	33	442.51	563.84	0	0	0	0
414	27.17	34.92	0.31	5	3.09E-06	4.71E-02	11	476.81	30	33	447.57	570.28	0	0	0	0
415	27.26	34.65	0.34	5	2.65E-06	3.98E-02	11	469.51	30	34	453.09	577.32	0	0	0	0
416	27.3	34.83	0.34	5	2.48E-06	3.72E-02	11	467.09	30	34	456.05	581.09	0	0	0	0
417	27.39	34.38	0.34	5	2.42E-06	3.61E-02	11	466.21	30	34	457.44	582.86	0	0	0	0
418	27.45	34.47	0.35	5	2.29E-06	3.41E-02	11	464.91	30	34	460.54	586.81	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
419	27.5	34.56	0.36	5	2.11E-06	3.16E-02	11	468.28	30	34	470.92	600.04	0	0	0	0
420	27.58	35.11	0.41	5	1.88E-06	2.85E-02	12	473.72	30	34	486.52	619.91	0	0	0	0
421	27.63	35.65	0.46	5	1.68E-06	2.61E-02	12	485.53	30	35	508.77	648.27	0	0	0	0
422	27.73	37.1	0.53	5	1.59E-06	2.54E-02	12	498.56	31	35	527.77	672.47	0	0	0	0
423	27.77	37.92	0.55	5	1.56E-06	2.57E-02	13	514.24	31	35	546.19	695.95	0	0	0	0
424	27.83	39.01	0.59	5	1.58E-06	2.72E-02	13	537.04	32	35	569	725.01	0	0	0	0
425	27.92	42	0.69	5	1.56E-06	2.80E-02	14	560.15	32	36	594.82	757.91	0	0	0	0
426	27.97	42.91	0.75	5	1.39E-06	2.56E-02	14	574.24	33	36	622.74	793.48	0	0	0	0
427	28.02	42.09	0.85	5	8.86E-07	1.56E-02	14	548.57	32	37	645.4	822.36	0	0	0	0
428	28.1	36.56	1.01	4	4.52E-07	7.18E-03	14	495.83	0	0	0	839.59	14	2.53	2.29	0
429	28.16	31.66	1.08	4	1.83E-07	2.41E-03	13	412.36	0	0	0	822.48	14	2.1	1.9	0
430	28.24	24.22	1.01	3	8.33E-08	9.05E-04	11	339.11	0	0	0	779.72	14	1.73	1.56	0
431	28.3	20.86	0.92	3	3.99E-08	3.50E-04	10	274.02	0	0	0	719.85	14	1.4	1.26	0
432	28.36	17.69	0.81	3	2.49E-08	1.84E-04	9	230.66	0	0	0	659.95	14	1.18	1.06	0
433	28.43	14.79	0.66	3	1.67E-08	9.45E-05	8	176.24	0	0	0	602.51	14	1	0.9	0
434	28.5	13.33	0.57	3	1.23E-08	5.22E-05	7	132.42	0	0	0	552.64	14	0.87	0.78	0
435	28.55	11.88	0.51	3	1.21E-08	4.40E-05	7	113.66	0	0	0	514.16	14	0.8	0.72	0
436	28.63	11.79	0.39	3	1.59E-08	5.65E-05	7	110.82	0	0	0	483.54	14	0.8	0.71	0
437	28.68	12.52	0.32	3	3.20E-08	1.32E-04	7	128.22	0	0	0	458.51	14	0.86	0.76	0
438	28.77	14.33	0.26	3	4.23E-08	1.87E-04	7	138.35	0	0	0	453.5	14	0.89	0.79	0
439	28.83	13.52	0.33	3	3.43E-08	1.47E-04	7	133.81	0	0	0	463.49	14	0.88	0.78	0
440	28.88	12.25	0.4	3	2.24E-08	9.29E-05	7	129.56	0	0	0	493.11	14	0.86	0.77	0
441	28.96	13.7	0.49	3	1.39E-08	5.24E-05	7	117.66	0	0	0	512.77	14	0.82	0.73	0
442	29.03	11.52	0.53	3	1.58E-08	6.67E-05	7	131.36	0	0	0	529.55	14	0.87	0.77	0
443	29.07	13.88	0.48	3	4.41E-08	2.84E-04	8	201.42	0	0	0	545.22	14	1.08	0.95	0
444	29.14	22.41	0.4	4	3.11E-07	3.20E-03	10	321.85	0	0	0	583.21	14	1.64	1.45	0
445	29.22	35.92	0.41	5	1.25E-06	1.80E-02	11	448.6	29	35	495.8	631.73	0	0	0	0
446	29.27	41.91	0.49	5	2.26E-06	4.04E-02	13	558.4	32	35	554.56	706.61	0	0	0	0
447	29.36	46.72	0.68	5	2.05E-06	3.89E-02	14	592.42	33	35	598.9	763.1	0	0	0	0
448	29.42	43.36	0.74	5	1.23E-06	2.19E-02	14	555.78	32	36	616.06	784.97	0	0	0	0
449	29.5	34.11	0.75	4	6.05E-07	9.10E-03	13	469.43	0	0	0	753.96	14	2.4	2.09	0
450	29.56	28.21	0.65	4	2.80E-07	3.41E-03	11	379.95	0	0	0	701.52	14	1.94	1.69	0
451	29.61	24.13	0.58	4	1.68E-07	1.73E-03	10	321	0	0	0	649.75	14	1.64	1.43	0
452	29.68	21.32	0.53	4	1.24E-07	1.14E-03	9	285.53	0	0	0	610.5	14	1.46	1.27	0
453	29.75	20.41	0.47	4	1.11E-07	9.47E-04	9	266.03	0	0	0	580.63	14	1.36	1.18	0
454	29.8	19.78	0.42	4	1.10E-07	8.87E-04	8	251.88	0	0	0	550.81	14	1.29	1.12	0
455	29.86	18.14	0.36	4	1.27E-07	9.77E-04	8	240.79	0	0	0	513.19	14	1.23	1.06	0
456	29.94	17.87	0.25	4	2.18E-07	1.75E-03	8	249.72	0	0	0	482.29	14	1.27	1.1	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
457	29.99	21.5	0.21	5	5.28E-07	4.89E-03	8	289.24	23	33	373.75	476.23	0	0	0	0
458	30.07	26.49	0.23	5	1.28E-06	1.47E-02	9	359.26	25	33	395.69	504.18	0	0	0	0
459	30.13	32.84	0.26	5	3.65E-06	5.62E-02	11	480.45	29	33	437.47	557.42	0	0	0	0
460	30.19	47.62	0.28	5	8.33E-06	9.34E-02	13	349.75	33	33	480.04	611.66	0	0	0	0
461	30.26	54.88	0.33	5	1.36E-05	1.81E-01	15	415.39	36	34	521.57	664.57	0	0	0	0
462	30.32	57.69	0.4	5	1.40E-05	2.01E-01	16	449.73	38	34	562.11	716.22	0	0	0	0
463	30.38	60.69	0.5	5	1.22E-05	1.82E-01	17	467.16	38	35	598.89	763.1	0	0	0	0
464	30.45	61.59	0.58	5	1.05E-05	1.61E-01	17	476.45	39	35	626.64	798.45	0	0	0	0
465	30.51	61.32	0.6	5	9.18E-06	1.40E-01	17	476.47	39	35	642.66	818.87	0	0	0	0
466	30.59	60.78	0.64	5	8.20E-06	1.25E-01	17	474.13	39	35	652.63	831.56	0	0	0	0
467	30.65	60.78	0.67	5	7.46E-06	1.13E-01	18	472.54	38	35	661.63	843.04	0	0	0	0
468	30.71	60.78	0.69	5	7.07E-06	1.07E-01	18	474.24	38	35	670.54	854.39	0	0	0	0
469	30.77	61.41	0.72	5	7.01E-06	1.07E-01	18	478.89	39	35	678.21	864.16	0	0	0	0
470	30.85	62.5	0.73	5	7.45E-06	1.17E-01	18	490.08	39	35	686.41	874.61	0	0	0	0
471	30.93	64.95	0.73	5	8.31E-06	1.34E-01	19	504.11	40	36	692.23	882.03	0	0	0	0
472	30.98	66.67	0.73	5	9.28E-06	1.54E-01	19	517.19	40	36	696.17	887.05	0	0	0	0
473	31.04	67.4	0.72	5	9.84E-06	1.65E-01	19	522.95	40	36	696.56	887.54	0	0	0	0
474	31.12	67.13	0.71	5	1.01E-05	1.69E-01	19	523.42	40	36	693.85	884.08	0	0	0	0
475	31.19	66.85	0.7	5	1.00E-05	1.67E-01	19	520.18	40	36	690.69	880.06	0	0	0	0
476	31.24	66.22	0.7	5	9.63E-06	1.59E-01	19	516.56	40	35	690.69	880.07	0	0	0	0
477	31.31	65.77	0.72	5	9.14E-06	1.50E-01	19	513.69	40	36	693.38	883.49	0	0	0	0
478	31.38	65.77	0.73	5	9.28E-06	1.54E-01	19	516.9	40	36	695.75	886.51	0	0	0	0
479	31.47	67.4	0.71	5	1.00E-05	1.69E-01	19	526.08	40	36	698.36	889.83	0	0	0	0
480	31.51	69.21	0.71	5	1.12E-05	1.94E-01	19	540.36	41	36	702.64	895.29	0	0	0	0
481	31.57	71.12	0.72	5	1.21E-05	2.15E-01	20	555.84	41	36	713.45	909.06	0	0	0	0
482	31.66	73.2	0.77	5	1.21E-05	2.19E-01	20	564.97	42	36	724.93	923.69	0	0	0	0
483	31.71	72.66	0.79	5	1.12E-05	2.04E-01	20	564.88	42	36	734.36	935.71	0	0	0	0
484	31.76	71.12	0.81	5	9.70E-06	1.71E-01	20	550.51	41	36	735.06	936.6	0	0	0	0
485	31.83	67.85	0.81	5	8.49E-06	1.45E-01	19	531.61	40	36	727.25	926.65	0	0	0	0
486	31.91	65.58	0.77	5	7.73E-06	1.26E-01	19	509.31	39	36	708.53	902.8	0	0	0	0
487	31.98	62.77	0.69	5	7.57E-06	1.19E-01	18	490.7	39	35	685.38	873.29	0	0	0	0
488	32.04	60.87	0.64	5	7.51E-06	1.14E-01	18	475.21	38	35	664.65	846.89	0	0	0	0
489	32.09	59.78	0.62	5	7.07E-06	1.05E-01	17	461.82	37	35	653.02	832.07	0	0	0	0
490	32.16	57.78	0.62	5	6.06E-06	8.63E-02	17	444	37	35	645.46	822.43	0	0	0	0
491	32.24	54.25	0.62	5	4.71E-06	1.11E-01	16	734.06	36	35	638.43	813.48	0	0	0	0
492	32.29	50.62	0.62	5	3.26E-06	7.04E-02	16	674.49	34	35	627.02	798.94	0	0	0	0
493	32.35	45.08	0.62	5	2.00E-06	3.89E-02	15	605.95	32	35	615.07	783.71	0	0	0	0
494	32.44	39.55	0.64	5	1.24E-06	2.17E-02	14	547.42	31	35	606.38	772.63	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
495	32.48	38.1	0.66	5	8.06E-07	1.28E-02	13	494.88	29	36	592.29	754.69	0	0	0	0
496	32.55	33.74	0.61	4	6.18E-07	9.02E-03	13	455.76	0	0	0	729.26	14	2.33	1.89	0
497	32.63	31.02	0.54	4	5.35E-07	7.22E-03	12	421.74	0	0	0	692.71	14	2.15	1.74	0
498	32.69	30.57	0.48	4	6.06E-07	7.98E-03	11	411.07	0	0	0	660.06	14	2.1	1.7	0
499	32.74	31.3	0.4	5	8.63E-07	1.15E-02	11	414.6	26	34	490.13	624.51	0	0	0	0
500	32.84	31.84	0.3	5	1.19E-06	1.59E-02	11	415.4	26	34	463.2	590.2	0	0	0	0
501	32.89	30.93	0.27	5	1.47E-06	1.92E-02	10	406.66	26	33	436.37	556.02	0	0	0	0
502	32.94	29.57	0.23	5	1.42E-06	1.77E-02	10	389.16	26	33	420.31	535.55	0	0	0	0
503	33.03	28.12	0.23	5	8.05E-07	9.47E-03	10	367.32	25	34	439.72	560.28	0	0	0	0
504	33.08	26.22	0.43	4	2.36E-07	2.54E-03	10	336.6	0	0	0	641.23	14	1.72	1.38	0
505	33.14	22.86	0.81	4	7.69E-08	7.40E-04	10	300.19	0	0	0	700.23	14	1.53	1.23	0
506	33.22	20.14	0.81	3	2.26E-08	1.90E-04	10	262.57	0	0	0	764.34	14	1.34	1.07	0
507	33.27	17.96	1.26	3	8.17E-09	6.61E-05	11	252.76	0	0	0	884.59	14	1.29	1.03	0
508	33.37	20.55	2.33	3	4.71E-09	3.88E-05	12	257.29	0	0	0	994.8	14	1.31	1.04	0
509	33.4	20.95	2.34	3	2.90E-08	3.81E-04	15	409.87	0	0	0	1140.44	14	2.09	1.66	0
510	33.49	50.89	1.78	3	1.31E-07	2.24E-03	17	534.33	0	0	0	1131.83	14	2.73	2.16	0
511	33.56	47.53	1.34	4	4.55E-07	9.52E-03	18	652.86	0	0	0	1103.9	14	3.33	2.64	0
512	33.6	46.63	1.46	4	5.06E-07	1.16E-02	20	716.31	0	0	0	1188.48	14	3.65	2.89	0
513	33.66	64.48	2.48	5	1.47E-06	3.75E-02	20	795.45	36	38	853.56	1087.59	0	0	0	0
514	33.75	64.48	0	5	2.05E-06	4.56E-02	17	695.73	34	36	703.56	896.46	0	0	0	0
515	33.8	25.22	0	0	0.00E+00	0.00E+00	0	43.8	0	0	0	44.53	0	0	0	0
516	33.88	61.23	0	0	0.00E+00	0.00E+00	0	78.79	0	0	0	80.1	0	0	0	0
517	33.94	181.06	0	0	0.00E+00	0.00E+00	0	166.58	0	0	0	169.35	0	0	0	0
518	34.02	318.31	0	0	0.00E+00	0.00E+00	0	208.55	0	0	0	212.02	0	0	0	0
519	34.07	201.65	0	0	0.00E+00	0.00E+00	0	214.6	0	0	0	218.17	0	0	0	0

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
1	24.53	104.31	0	2.79	0.72	40	0.05	5.02	373.05	0.58	120.94	-1	-1	-1	-1
2	17.16	110.25	0	2.22	0.24	40	0.03	13.03	677.52	12.78	120.94	-1	-1	-1	-1
3	13.02	134.11	0	1	0.23	0	0.04	15.15	597.56	15.47	120.94	-1	-1	-1	-1
4	22.38	160.3	0	1	0.39	0	0.09	8.32	564.55	0.58	120.94	-1	-1	-1	-1
5	0	325.48	-0.21	0	0	0	0.02	1.21	218.71	0.91	120.94	-1	-1	-1	-1
6	0	431.14	-0.24	0	0	0	0.02	1	264.33	0.95	120.94	-1	-1	-1	-1
7	0	502.96	-0.27	0	0	0	0.03	1	337.21	1.01	120.94	-1	-1	-1	-1
8	0	524.72	-0.28	0	0	0	0.03	1	350.58	1.02	120.94	-1	-1	-1	-1
9	0	525.82	-0.27	0	0	0	0.04	1	337.52	1.01	120.94	-1	-1	-1	-1
10	0	520.41	-0.26	0	0	0	0.04	1	315.36	0.99	120.94	-1	-1	-1	-1
11	0	522.53	-0.26	0	0	0	0.04	1	300.64	0.98	120.94	-1	-1	-1	-1
12	0	527.1	-0.25	0	0	0	0.05	1	294.64	0.97	120.94	-1	-1	-1	-1
13	0	537.31	-0.26	0	0	0	0.05	1	298.01	0.98	120.94	-1	-1	-1	-1
14	0	544.76	-0.25	0	0	0	0.06	1	293.87	0.97	120.94	-1	-1	-1	-1
15	0	545.14	-0.25	0	0	0	0.06	1	284.97	0.97	120.94	-1	-1	-1	-1
16	0	536.26	-0.24	0	0	0	0.06	1	267.23	0.95	120.94	-1	-1	-1	-1
17	0	526.06	-0.23	0	0	0	0.06	1	246.51	0.93	120.94	-1	-1	-1	-1
18	0	511.77	-0.22	0	0	0	0.07	1.06	237.98	0.92	120.94	-1	-1	-1	-1
19	0	501.56	-0.22	0	0	0	0.07	1.15	234.23	0.92	120.94	-1	-1	-1	-1
20	0	488.58	-0.22	0	0	0	0.07	1.2	226.84	0.91	120.94	-1	-1	-1	-1
21	0	479.22	-0.21	0	0	0	0.08	1.25	218.37	0.91	120.94	-1	-1	-1	-1
22	0	472.38	-0.2	0	0	0	0.08	1.3	207.77	0.9	120.94	-1	-1	-1	-1
23	0	463.32	-0.2	0	0	0	0.08	1.38	202.9	0.89	120.94	-1	-1	-1	-1
24	0	452.05	-0.2	0	0	0	0.08	1.48	196.98	0.88	120.94	-1	-1	-1	-1
25	0	437.52	-0.19	0	0	0	0.09	1.62	190.37	0.88	120.94	-1	-1	-1	-1
26	0	418.01	-0.19	0	0	0	0.09	1.88	190.13	0.88	120.94	-1	-1	-1	-1
27	28.5	397.35	0	1	1.8	0	1.15	2.24	193.59	0.58	120.94	-1	-1	-1	-1
28	23.89	377.3	0	1	1.59	0	0.92	2.75	199.04	0.58	120.94	-1	-1	-1	-1
29	20.92	359.62	0	1	1.58	0	0.8	3.01	190.97	0.58	120.94	-1	-1	-1	-1
30	19.04	346.26	0	1	1.85	0	0.76	2.87	165.29	0.58	120.94	-1	-1	-1	-1
31	17.46	333.11	0	1	2.29	0	0.74	2.62	138.38	0.58	120.94	-1	-1	-1	-1
32	0	326.31	-0.12	0	0	0	0.1	2.26	115.84	0.78	120.94	-1	-1	-1	-1
33	0	329.52	-0.11	0	0	0	0.1	1.98	103.83	0.76	120.94	-1	-1	-1	-1
34	0	339.28	-0.09	0	0	0	0.1	1.66	94.74	0.74	120.94	-1	-1	-1	-1
35	0	346.85	-0.09	0	0	0	0.1	1.55	92.69	0.73	120.94	-1	-1	-1	-1
36	0	346.74	-0.09	0	0	0	0.11	1.58	91.88	0.73	120.94	-1	-1	-1	-1
37	0	340.96	-0.09	0	0	0	0.11	1.75	93.86	0.74	120.94	-1	-1	-1	-1
38	0	335.71	-0.1	0	0	0	0.11	2.01	98.69	0.75	120.94	-1	-1	-1	-1

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
39	0	335.87	-0.1	0	0	0	0.12	2.1	99.71	0.75	120.94	-1	-1	-1	-1
40	0	335.77	-0.1	0	0	0	0.12	2.13	99.46	0.75	120.94	-1	-1	-1	-1
41	0	335.33	-0.1	0	0	0	0.12	2.18	98.36	0.75	120.94	-1	-1	-1	-1
42	0	334.9	-0.1	0	0	0	0.13	2.26	99.3	0.75	120.94	-1	-1	-1	-1
43	0	330.28	-0.11	0	0	0	0.13	2.54	103.91	0.76	120.94	-1	-1	-1	-1
44	12.03	323.37	0	1	2.72	0	0.64	3.06	111.56	0.58	120.94	-1	-1	-1	-1
45	10.22	311.21	0	1	2.22	0	0.51	3.96	122.59	0.58	120.94	-1	-1	-1	-1
46	9.24	302.4	0	1	2.09	0	0.46	4.44	124.24	0.58	120.94	-1	-1	-1	-1
47	8.76	296.75	0	1	2.3	0	0.44	4.34	115.22	0.58	120.94	-1	-1	-1	-1
48	8.89	294.55	0	1	2.96	0	0.48	3.67	98.8	0.58	120.94	-1	-1	-1	-1
49	8.38	288.61	0	1	3.37	0	0.47	3.55	90.26	0.58	120.94	-1	-1	-1	-1
50	7.54	278.84	0	1	3.3	0	0.41	3.92	89.47	0.58	120.94	-1	-1	-1	-1
51	6.26	264.73	0	1	2.79	0	0.33	5	94.83	0.58	120.94	-1	-1	-1	-1
52	5.08	250.71	0	1	2.35	0	0.25	6.43	98.86	0.58	120.94	-1	-1	-1	-1
53	4.51	242.12	0	1	2.12	0	0.22	7.39	100.97	0.58	120.94	-1	-1	-1	-1
54	4.57	245.39	0	1	2.17	0	0.22	7.23	100.28	0.58	120.94	-1	-1	-1	-1
55	4.95	255.33	0	1	2.19	0	0.25	6.8	102.07	0.58	120.94	-1	-1	-1	-1
56	5.04	260.54	0	1	2.09	0	0.26	6.89	105.18	0.58	120.94	-1	-1	-1	-1
57	4.68	261.45	0	1	1.64	0	0.23	8.23	116.86	0.58	120.94	-1	-1	-1	-1
58	3.59	256.87	0	1	1.18	0	0.18	11.58	125.94	0.69	120.94	-1	-1	-1	-1
59	2.73	240.98	0	1	1.12	0	0.14	14	116.04	0.68	120.94	-1	-1	-1	-1
60	3.16	231.56	0	1	1.96	0	0.16	9.8	94	0.19	120.94	-1	-1	-1	-1
61	3.71	225.09	0	1	4.97	0	0.22	5.63	63.24	0.15	120.94	-1	-1	-1	-1
62	4.62	239.13	0	1	7	0	0.3	3.99	55.83	0.08	120.94	-1	-1	-1	-1
63	4.56	239.51	0	1	7.07	0	0.3	4.02	55.5	0.08	120.94	-1	-1	-1	-1
64	3.6	227.9	0	1	4.77	0	0.22	5.88	64.06	0.16	120.94	-1	-1	-1	-1
65	2.05	210.36	0	1	2.22	0	0.12	12.34	76.64	0.2	120.94	-1	-1	-1	-1
66	0.55	185.65	0	1	0.5	0	0.03	50.82	83.95	0.23	120.94	-1	-1	-1	-1
67	0.98	207.86	0	1	0.71	0	0.06	31.23	92.79	0.26	120.94	-1	-1	-1	-1
68	1.75	233.24	0	1	1.01	0	0.1	19.09	101.46	0.39	120.94	-1	-1	-1	-1
69	2.96	258.38	0	1	1.37	0	0.18	12.13	108.91	0.46	120.94	-1	-1	-1	-1
70	3.83	274.24	0	1	1.52	0	0.23	9.78	113.5	0.53	120.94	-1	-1	-1	-1
71	4.78	290.54	0	1	1.73	0	0.3	7.91	114.66	0.58	120.94	-1	-1	-1	-1
72	5.28	302.44	0	1	1.79	0	0.34	7.25	115.97	0.58	120.94	-1	-1	-1	-1
73	5.68	310.92	0	1	1.87	0	0.38	6.73	115.77	0.58	120.94	-1	-1	-1	-1
74	5.63	313.37	0	1	1.84	0	0.38	6.84	116.65	0.58	120.94	-1	-1	-1	-1
75	5.62	313.93	0	1	1.88	0	0.38	6.76	115.17	0.58	120.94	-1	-1	-1	-1
76	5.53	312.81	0	1	1.96	0	0.38	6.69	112.11	0.58	120.94	-1	-1	-1	-1

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77	5.32	310.27	0	1	1.98	0	0.37	6.83	110.13	0.58	120.94	-1	-1	-1	-1
78	5.12	307.82	0	1	1.93	0	0.36	7.11	110.22	0.58	120.94	-1	-1	-1	-1
79	4.9	306.98	0	1	1.82	0	0.34	7.55	112.19	0.58	120.94	-1	-1	-1	-1
80	5.15	315.49	0	1	1.78	0	0.37	7.4	115.61	0.58	120.94	-1	-1	-1	-1
81	5.41	325.18	0	1	1.71	0	0.39	7.32	119.88	0.58	120.94	-1	-1	-1	-1
82	6.05	340.97	0	1	1.65	0	0.45	6.92	126.77	0.58	120.94	-1	-1	-1	-1
83	6.84	359.12	0	1	1.64	0	0.52	6.39	132.48	0.58	120.94	-1	-1	-1	-1
84	7.75	378.1	0	1	1.68	0	0.61	5.77	135.56	0.58	120.94	-1	-1	-1	-1
85	8.49	391.04	0	1	1.73	0	0.69	5.31	136.77	0.58	120.94	-1	-1	-1	-1
86	8.75	396.92	0	1	1.73	0	0.72	5.2	138.05	0.58	120.94	-1	-1	-1	-1
87	8.59	397.82	0	1	1.69	0	0.71	5.34	139.01	0.58	120.94	-1	-1	-1	-1
88	8.26	394.69	0	1	1.66	0	0.68	5.55	138.82	0.58	120.94	-1	-1	-1	-1
89	7.81	388.58	0	1	1.66	0	0.64	5.79	137	0.58	120.94	-1	-1	-1	-1
90	7.53	385.12	0	1	1.69	0	0.63	5.85	133.58	0.58	120.94	-1	-1	-1	-1
91	7.43	383.36	0	1	1.75	0	0.63	5.8	130.51	0.58	120.94	-1	-1	-1	-1
92	7.48	384.82	0	1	1.8	0	0.64	5.67	128.49	0.58	120.94	-1	-1	-1	-1
93	8.12	395.17	0	1	1.93	0	0.72	5.13	126.2	0.58	120.94	-1	-1	-1	-1
94	9.34	413.44	0	1	2.07	0	0.85	4.43	125.36	0.58	120.94	-1	-1	-1	-1
95	10.62	432.05	0	1	2.2	0	1	3.87	124.55	0.58	120.94	-1	-1	-1	-1
96	11.44	443.69	0	1	2.27	0	1.1	3.58	124.12	0.58	120.94	-1	-1	-1	-1
97	11.82	448.36	0	1	2.36	0	1.16	3.41	122.16	0.58	120.94	-1	-1	-1	-1
98	12.24	452.54	0	1	2.52	0	1.23	3.17	117.73	0.58	120.94	-1	-1	-1	-1
99	12.65	454.92	0	1	2.72	0	1.29	2.95	112.98	0.58	120.94	-1	-1	-1	-1
100	0	453.61	-0.11	0	0	0	0.3	2.65	104.63	0.76	120.94	-1	-1	-1	-1
101	0	448.85	-0.1	0	0	0	0.3	2.5	97.92	0.74	120.94	-1	-1	-1	-1
102	0	442.71	-0.09	0	0	0	0.3	2.44	93.35	0.74	120.94	-1	-1	-1	-1
103	0	436.88	-0.09	0	0	0	0.3	2.66	95.11	0.74	120.94	-1	-1	-1	-1
104	10.99	434.16	0	1	3.11	0	1.16	3.01	100.28	0.58	120.94	-1	-1	-1	-1
105	10.43	437.08	0	1	2.63	0	1.09	3.49	110.31	0.58	120.94	-1	-1	-1	-1
106	10.31	445.99	0	1	2.27	0	1.07	3.88	121.19	0.58	120.94	-1	-1	-1	-1
107	10.47	457.18	0	1	2	0	1.08	4.16	132.05	0.58	120.94	-1	-1	-1	-1
108	10.94	468.46	0	1	1.92	0	1.14	4.13	137.05	0.58	120.94	-1	-1	-1	-1
109	11.65	479.14	0	1	1.99	0	1.24	3.86	136.18	0.58	120.94	-1	-1	-1	-1
110	12.99	490.83	0	1	2.25	0	1.42	3.28	129.16	0.58	120.94	-1	-1	-1	-1
111	0	507.98	-0.13	0	0	0	0.35	2.67	121.4	0.79	120.94	-1	-1	-1	-1
112	0	529.5	-0.12	0	0	0	0.35	2.19	116.62	0.78	120.94	-1	-1	-1	-1
113	0	552.51	-0.12	0	0	0	0.35	1.83	114.94	0.77	120.94	-1	-1	-1	-1
114	0	567.44	-0.12	0	0	0	0.35	1.69	115.8	0.78	120.94	-1	-1	-1	-1

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115	0	575.31	-0.12	0	0	0	0.36	1.65	117.29	0.78	120.94	-1	-1	-1	-1
116	0	573.01	-0.13	0	0	0	0.36	1.76	119.08	0.78	120.94	-1	-1	-1	-1
117	0	567.71	-0.13	0	0	0	0.37	1.93	121.46	0.79	120.94	-1	-1	-1	-1
118	0	564.87	-0.13	0	0	0	0.37	2.03	122.56	0.79	120.94	-1	-1	-1	-1
119	0	564.63	-0.13	0	0	0	0.37	2.07	123.32	0.79	120.94	-1	-1	-1	-1
120	0	569.16	-0.13	0	0	0	0.38	2.04	123.34	0.79	120.94	-1	-1	-1	-1
121	0	572.65	-0.13	0	0	0	0.38	2.1	125.95	0.79	120.94	-1	-1	-1	-1
122	0	576.67	-0.14	0	0	0	0.39	2.14	128.28	0.8	120.94	-1	-1	-1	-1
123	0	576.47	-0.14	0	0	0	0.39	2.24	130.56	0.8	120.94	-1	-1	-1	-1
124	0	572.94	-0.14	0	0	0	0.39	2.33	130.95	0.8	120.94	-1	-1	-1	-1
125	0	568.2	-0.14	0	0	0	0.4	2.43	130.76	0.8	120.94	-1	-1	-1	-1
126	0	560.77	-0.14	0	0	0	0.4	2.57	131.02	0.8	120.94	-1	-1	-1	-1
127	15.43	549.77	0	1	2.33	0	1.93	2.83	132.15	0.58	120.94	-1	-1	-1	-1
128	14.11	537.67	0	1	2.25	0	1.76	3.09	131.99	0.58	120.94	-1	-1	-1	-1
129	13.22	527.23	0	1	2.25	0	1.65	3.23	129.59	0.58	120.94	-1	-1	-1	-1
130	13	520.58	0	1	2.41	0	1.64	3.13	123.38	0.58	120.94	-1	-1	-1	-1
131	12.73	514.22	0	1	2.57	0	1.62	3.05	117.51	0.58	120.94	-1	-1	-1	-1
132	12.1	501.83	0	1	2.75	0	1.55	3.03	110.98	0.58	120.94	-1	-1	-1	-1
133	11.1	485.7	0	1	2.9	0	1.42	3.13	105.22	0.58	120.94	-1	-1	-1	-1
134	9.84	462.87	0	1	3.15	0	1.26	3.26	97.25	0.58	120.94	-1	-1	-1	-1
135	8.55	439.24	0	1	3.37	0	1.1	3.5	90.62	0.58	120.94	-1	-1	-1	-1
136	7.22	420.56	0	1	3.17	0	0.91	4.15	90.82	0.58	120.94	-1	-1	-1	-1
137	5.85	408.74	0	1	2.41	0	0.72	5.71	101.29	0.58	120.94	28.72	0.76	93.95	0.43
138	5.42	415.93	0	1	1.78	0	0.65	7.13	117.28	0.58	120.94	28.72	0.76	93.95	0.43
139	4.83	424.75	0	1	1.27	0	0.57	9.29	135.8	0.81	120.94	28.72	0.76	93.95	0.43
140	5.34	452.91	0	1	1.06	0	0.63	9.64	155.81	0.99	120.94	28.72	0.76	93.95	0.43
141	6.34	491.97	0	1	0.9	0	0.76	9.49	182.28	1.41	120.94	28.72	0.76	93.95	0.43
142	9.54	542.81	0	1	1.11	0	1.17	6.51	188.2	0.58	120.94	28.72	0.76	93.95	0.43
143	17.39	610.2	0	1	1.98	0	2.34	2.9	152.78	0.58	120.94	28.72	0.76	93.95	0.43
144	0	666.51	-0.14	0	0	0	0.45	1.63	136.34	0.81	120.94	28.72	0.76	93.95	0.43
145	0	706.91	-0.16	0	0	0	0.46	1.35	149.98	0.83	120.94	28.72	0.76	93.95	0.43
146	0	711.55	-0.16	0	0	0	0.47	1.31	153.51	0.83	120.94	28.72	0.76	93.95	0.43
147	0	699.51	-0.16	0	0	0	0.46	1.33	146.93	0.82	120.94	28.72	0.76	93.95	0.43
148	0	680.8	-0.15	0	0	0	0.46	1.37	137.71	0.81	120.94	28.72	0.76	93.95	0.43
149	0	672.89	-0.14	0	0	0	0.46	1.4	133.76	0.8	120.94	28.72	0.76	93.95	0.43
150	0	656.66	-0.13	0	0	0	0.45	1.36	127.65	0.79	120.94	28.72	0.76	93.95	0.43
151	0	632.91	-0.13	0	0	0	0.45	1.31	120.28	0.78	120.94	28.72	0.76	93.95	0.43
152	0	612.97	-0.12	0	0	0	0.44	1.27	115.33	0.78	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
153	0	593.91	-0.11	0	0	0	0.44	1.28	107.19	0.76	120.94	28.72	0.76	93.95	0.43
154	0	583.25	-0.1	0	0	0	0.43	1.33	100.72	0.75	120.94	28.72	0.76	93.95	0.43
155	0	573.25	-0.09	0	0	0	0.43	1.43	95.78	0.74	120.94	28.72	0.76	93.95	0.43
156	0	576.87	-0.1	0	0	0	0.43	1.54	97.84	0.74	120.94	28.72	0.76	93.95	0.43
157	0	581.31	-0.1	0	0	0	0.44	1.73	102.83	0.75	120.94	28.72	0.76	93.95	0.43
158	0	599.77	-0.12	0	0	0	0.45	1.92	114.37	0.77	120.94	28.72	0.76	93.95	0.43
159	0	612.94	-0.13	0	0	0	0.47	2.16	126.32	0.79	120.94	28.72	0.76	93.95	0.43
160	0	627.8	-0.15	0	0	0	0.48	2.47	141.58	0.82	120.94	28.72	0.76	93.95	0.43
161	18.3	633.09	0	1	2.05	0	2.61	2.74	151.71	0.58	120.94	28.72	0.76	93.95	0.43
162	0	646.72	-0.15	0	0	0	0.49	2.31	144.53	0.82	120.94	28.72	0.76	93.95	0.43
163	0	665.4	-0.14	0	0	0	0.48	1.75	133.53	0.8	120.94	28.72	0.76	93.95	0.43
164	0	696.29	-0.15	0	0	0	0.49	1.57	140.49	0.81	120.94	28.72	0.76	93.95	0.43
165	0	715.47	-0.16	0	0	0	0.49	1.59	148.65	0.83	120.94	28.72	0.76	93.95	0.43
166	0	719.04	-0.16	0	0	0	0.5	1.71	153.64	0.83	120.94	28.72	0.76	93.95	0.43
167	0	698.42	-0.15	0	0	0	0.49	1.66	143.15	0.82	120.94	28.72	0.76	93.95	0.43
168	0	671.35	-0.14	0	0	0	0.48	1.5	128.28	0.8	120.94	28.72	0.76	93.95	0.43
169	0	638.19	-0.12	0	0	0	0.47	1.41	115.23	0.77	120.94	28.72	0.76	93.95	0.43
170	0	609.7	-0.11	0	0	0	0.46	1.36	105.55	0.76	120.94	28.72	0.76	93.95	0.43
171	0	603.24	-0.1	0	0	0	0.46	1.41	102.54	0.75	120.94	28.72	0.76	93.95	0.43
172	0	637.97	-0.12	0	0	0	0.47	1.38	114.75	0.77	120.94	28.72	0.76	93.95	0.43
173	0	673.81	-0.14	0	0	0	0.49	1.35	128.5	0.8	120.94	28.72	0.76	93.95	0.43
174	0	707.74	-0.15	0	0	0	0.5	1.3	144.45	0.82	120.94	28.72	0.76	93.95	0.43
175	0	754.76	-0.17	0	0	0	0.52	1.27	167.67	0.85	120.94	28.72	0.76	93.95	0.43
176	0	804.16	-0.19	0	0	0	0.55	1.25	193.28	0.88	120.94	28.72	0.76	93.95	0.43
177	0	834.14	-0.2	0	0	0	0.55	1.27	203.93	0.89	120.94	28.72	0.76	93.95	0.43
178	0	825.69	-0.19	0	0	0	0.55	1.35	191.24	0.88	120.94	28.72	0.76	93.95	0.43
179	0	799.37	-0.18	0	0	0	0.54	1.62	180.71	0.87	120.94	28.72	0.76	93.95	0.43
180	28.68	766.85	0	1	1.89	0	4.37	2.16	188.02	0.58	120.94	28.72	0.76	93.95	0.43
181	21.08	716.09	0	1	1.52	0	3.12	3.09	197.05	0.58	120.94	28.72	0.76	93.95	0.43
182	15.3	662.09	0	1	1.28	0	2.21	4.35	201.43	0.58	120.94	28.72	0.76	93.95	0.43
183	11.53	610.33	0	1	1.18	0	1.63	5.54	193.73	0.58	120.94	28.72	0.76	93.95	0.43
184	9.64	574.11	0	1	1.19	0	1.35	6.17	180.37	0.58	120.94	28.72	0.76	93.95	0.43
185	8.33	541.97	0	1	1.28	0	1.17	6.5	164.14	0.58	120.94	28.72	0.76	93.95	0.43
186	11.71	548.63	0	1	2.42	0	1.74	3.38	119.89	0.58	120.94	28.72	0.76	93.95	0.43
187	0	577.82	-0.09	0	0	0	0.47	1.74	95.14	0.74	120.94	28.72	0.76	93.95	0.43
188	0	605.38	-0.1	0	0	0	0.48	1.35	100.59	0.75	120.94	28.72	0.76	93.95	0.43
189	0	628.33	-0.11	0	0	0	0.49	1.37	107.73	0.76	120.94	28.72	0.76	93.95	0.43
190	0	640.55	-0.12	0	0	0	0.5	1.61	113.21	0.77	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
191	0	639.2	-0.14	0	0	0	0.52	2.22	128.82	0.8	120.94	28.72	0.76	93.95	0.43
192	16.16	626.95	0	1	2.13	0	2.47	2.91	142.37	0.58	120.94	28.72	0.76	93.95	0.43
193	14.35	614.51	0	1	1.9	0	2.17	3.42	148.78	0.58	120.94	28.72	0.76	93.95	0.43
194	13.85	607.32	0	1	1.92	0	2.1	3.49	146.64	0.58	120.94	28.72	0.76	93.95	0.43
195	0	628.44	-0.14	0	0	0	0.52	2.43	129.4	0.8	120.94	28.72	0.76	93.95	0.43
196	0	661.01	-0.12	0	0	0	0.51	1.59	118.72	0.78	120.94	28.72	0.76	93.95	0.43
197	0	694.62	-0.14	0	0	0	0.53	1.31	132.76	0.8	120.94	28.72	0.76	93.95	0.43
198	0	720.32	-0.16	0	0	0	0.55	1.22	152.39	0.83	120.94	28.72	0.76	93.95	0.43
199	0	734.03	-0.17	0	0	0	0.56	1.17	161.06	0.84	120.94	28.72	0.76	93.95	0.43
200	0	738.92	-0.17	0	0	0	0.56	1.14	163.21	0.84	120.94	28.72	0.76	93.95	0.43
201	0	734.31	-0.17	0	0	0	0.56	1.14	160.9	0.84	120.94	28.72	0.76	93.95	0.43
202	0	726.66	-0.16	0	0	0	0.56	1.15	157.32	0.84	120.94	28.72	0.76	93.95	0.43
203	0	715.41	-0.16	0	0	0	0.56	1.16	152.15	0.83	120.94	28.72	0.76	93.95	0.43
204	0	706.09	-0.16	0	0	0	0.55	1.18	147.24	0.82	120.94	28.72	0.76	93.95	0.43
205	0	699.68	-0.15	0	0	0	0.55	1.21	142.75	0.82	120.94	28.72	0.76	93.95	0.43
206	0	696.58	-0.15	0	0	0	0.55	1.25	137.72	0.81	120.94	28.72	0.76	93.95	0.43
207	0	696.14	-0.14	0	0	0	0.54	1.3	131.25	0.8	120.94	28.72	0.76	93.95	0.43
208	0	696.87	-0.13	0	0	0	0.54	1.46	127.08	0.79	120.94	28.72	0.76	93.95	0.43
209	0	696.56	-0.14	0	0	0	0.55	1.88	136.37	0.81	120.94	28.72	0.76	93.95	0.43
210	19.39	684.34	0	1	2.05	0	3.12	2.62	154.18	0.58	120.94	28.72	0.76	93.95	0.43
211	15.94	664.6	0	1	1.67	0	2.52	3.48	168.08	0.58	120.94	28.72	0.76	93.95	0.43
212	14.03	644.72	0	1	1.57	0	2.2	3.98	169.26	0.58	120.94	28.72	0.76	93.95	0.43
213	13.51	636.21	0	1	1.59	0	2.12	4.05	166	0.58	120.94	28.72	0.76	93.95	0.43
214	16.48	653.56	0	1	2.01	0	2.65	2.98	149.03	0.58	120.94	28.72	0.76	93.95	0.43
215	0	686.25	-0.14	0	0	0	0.56	1.9	131.19	0.8	120.94	28.72	0.76	93.95	0.43
216	0	722.64	-0.14	0	0	0	0.56	1.4	134.89	0.81	120.94	28.72	0.76	93.95	0.43
217	0	751.41	-0.16	0	0	0	0.58	1.28	153.27	0.83	120.94	28.72	0.76	93.95	0.43
218	0	770.64	-0.17	0	0	0	0.59	1.24	166.38	0.85	120.94	28.72	0.76	93.95	0.43
219	0	784.86	-0.18	0	0	0	0.6	1.22	174.31	0.86	120.94	28.72	0.76	93.95	0.43
220	0	794.29	-0.18	0	0	0	0.61	1.22	178.73	0.86	120.94	28.72	0.76	93.95	0.43
221	0	803.2	-0.19	0	0	0	0.61	1.21	183.14	0.87	120.94	28.72	0.76	93.95	0.43
222	0	808.73	-0.19	0	0	0	0.62	1.21	185.94	0.87	120.94	28.72	0.76	93.95	0.43
223	0	814.48	-0.19	0	0	0	0.62	1.21	188.17	0.87	120.94	28.72	0.76	93.95	0.43
224	0	820.32	-0.19	0	0	0	0.62	1.22	189.62	0.88	120.94	28.72	0.76	93.95	0.43
225	0	825.28	-0.19	0	0	0	0.62	1.23	189.89	0.88	120.94	28.72	0.76	93.95	0.43
226	0	827.37	-0.19	0	0	0	0.63	1.24	188.73	0.87	120.94	28.72	0.76	93.95	0.43
227	0	827.52	-0.19	0	0	0	0.63	1.25	186.72	0.87	120.94	28.72	0.76	93.95	0.43
228	0	826.87	-0.19	0	0	0	0.63	1.26	184.91	0.87	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
229	0	825.4	-0.19	0	0	0	0.63	1.26	183.59	0.87	120.94	28.72	0.76	93.95	0.43
230	0	823.66	-0.19	0	0	0	0.63	1.26	182.89	0.87	120.94	28.72	0.76	93.95	0.43
231	0	821.04	-0.19	0	0	0	0.63	1.26	181.42	0.87	120.94	28.72	0.76	93.95	0.43
232	0	818.59	-0.18	0	0	0	0.63	1.26	179.54	0.86	120.94	28.72	0.76	93.95	0.43
233	0	815.75	-0.18	0	0	0	0.63	1.27	177.49	0.86	120.94	28.72	0.76	93.95	0.43
234	0	813.7	-0.18	0	0	0	0.63	1.27	175.67	0.86	120.94	28.72	0.76	93.95	0.43
235	0	810.85	-0.18	0	0	0	0.63	1.27	173.82	0.86	120.94	28.72	0.76	93.95	0.43
236	0	808.57	-0.18	0	0	0	0.63	1.28	172.11	0.86	120.94	28.72	0.76	93.95	0.43
237	0	806.15	-0.18	0	0	0	0.63	1.28	170.37	0.85	120.94	28.72	0.76	93.95	0.43
238	0	801.27	-0.17	0	0	0	0.63	1.27	168.59	0.85	120.94	28.72	0.76	93.95	0.43
239	0	795.84	-0.17	0	0	0	0.63	1.27	166.72	0.85	120.94	28.72	0.76	93.95	0.43
240	0	791.23	-0.17	0	0	0	0.63	1.26	165.45	0.85	120.94	28.72	0.76	93.95	0.43
241	0	791.36	-0.17	0	0	0	0.63	1.26	165.51	0.85	120.94	28.72	0.76	93.95	0.43
242	0	793.02	-0.17	0	0	0	0.63	1.26	165.85	0.85	120.94	28.72	0.76	93.95	0.43
243	0	793.82	-0.17	0	0	0	0.63	1.26	165.82	0.85	120.94	28.72	0.76	93.95	0.43
244	0	793.53	-0.17	0	0	0	0.63	1.26	165.64	0.85	120.94	28.72	0.76	93.95	0.43
245	0	793.41	-0.17	0	0	0	0.64	1.26	165.25	0.85	120.94	28.72	0.76	93.95	0.43
246	0	794.16	-0.17	0	0	0	0.64	1.26	165.52	0.85	120.94	28.72	0.76	93.95	0.43
247	0	795.85	-0.17	0	0	0	0.64	1.26	166.12	0.85	120.94	28.72	0.76	93.95	0.43
248	0	797.55	-0.17	0	0	0	0.64	1.26	166.73	0.85	120.94	28.72	0.76	93.95	0.43
249	0	798.02	-0.17	0	0	0	0.64	1.26	166.79	0.85	120.94	28.72	0.76	93.95	0.43
250	0	797.18	-0.17	0	0	0	0.64	1.26	165.63	0.85	120.94	28.72	0.76	93.95	0.43
251	0	795.62	-0.17	0	0	0	0.64	1.27	163.37	0.84	120.94	28.72	0.76	93.95	0.43
252	0	792.04	-0.17	0	0	0	0.64	1.29	159.22	0.84	120.94	28.72	0.76	93.95	0.43
253	0	786.17	-0.16	0	0	0	0.64	1.32	153.28	0.83	120.94	28.72	0.76	93.95	0.43
254	0	775.76	-0.15	0	0	0	0.63	1.39	145.65	0.82	120.94	28.72	0.76	93.95	0.43
255	0	761.8	-0.15	0	0	0	0.63	1.53	140.11	0.81	120.94	28.72	0.76	93.95	0.43
256	0	746.48	-0.15	0	0	0	0.63	1.78	139.94	0.81	120.94	28.72	0.76	93.95	0.43
257	0	726.97	-0.16	0	0	0	0.64	2.33	148.66	0.83	120.94	28.72	0.76	93.95	0.43
258	16.98	704.25	0	1	1.82	0	2.99	3.13	161.1	0.58	120.94	28.72	0.76	93.95	0.43
259	13.87	680.45	0	1	1.54	0	2.42	4.07	171.19	0.58	120.94	28.72	0.76	93.95	0.43
260	12.99	660.24	0	1	1.63	0	2.27	4.1	161.43	0.58	120.94	28.72	0.76	93.95	0.43
261	12.86	647.03	0	1	1.81	0	2.26	3.84	149.55	0.58	120.94	28.72	0.76	93.95	0.43
262	13.58	642.96	0	1	2.08	0	2.4	3.35	137.76	0.58	120.94	28.72	0.76	93.95	0.43
263	14.14	647.76	0	1	2.16	0	2.52	3.17	135.7	0.58	120.94	28.72	0.76	93.95	0.43
264	14.6	650.75	0	1	2.25	0	2.61	3.01	133.23	0.58	120.94	28.72	0.76	93.95	0.43
265	13.68	638.25	0	1	2.24	0	2.44	3.16	131.15	0.58	120.94	28.72	0.76	93.95	0.43
266	12.75	625.02	0	1	2.24	0	2.28	3.33	128.76	0.58	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
267	12.43	616.96	0	1	2.32	0	2.23	3.31	124.9	0.58	120.94	28.72	0.76	93.95	0.43
268	0	631.02	-0.12	0	0	0	0.62	2.56	114.79	0.77	120.94	28.72	0.76	93.95	0.43
269	0	656.04	-0.11	0	0	0	0.6	1.73	104.57	0.76	120.94	28.72	0.76	93.95	0.43
270	0	677.12	-0.11	0	0	0	0.61	1.41	107.8	0.76	120.94	28.72	0.76	93.95	0.43
271	0	688.44	-0.12	0	0	0	0.62	1.32	114.07	0.77	120.94	28.72	0.76	93.95	0.43
272	0	690.75	-0.12	0	0	0	0.62	1.31	115.45	0.78	120.94	28.72	0.76	93.95	0.43
273	0	690.61	-0.12	0	0	0	0.62	1.32	114.68	0.77	120.94	28.72	0.76	93.95	0.43
274	0	691.06	-0.12	0	0	0	0.62	1.33	113.8	0.77	120.94	28.72	0.76	93.95	0.43
275	0	692.88	-0.12	0	0	0	0.62	1.35	113.49	0.77	120.94	28.72	0.76	93.95	0.43
276	0	697.2	-0.12	0	0	0	0.63	1.36	114.28	0.77	120.94	28.72	0.76	93.95	0.43
277	0	701.01	-0.12	0	0	0	0.63	1.38	114.85	0.77	120.94	28.72	0.76	93.95	0.43
278	0	704.29	-0.12	0	0	0	0.63	1.39	115.63	0.78	120.94	28.72	0.76	93.95	0.43
279	0	706.57	-0.12	0	0	0	0.63	1.39	116.08	0.78	120.94	28.72	0.76	93.95	0.43
280	0	710.45	-0.12	0	0	0	0.64	1.39	117.28	0.78	120.94	28.72	0.76	93.95	0.43
281	0	714.7	-0.12	0	0	0	0.64	1.38	118.54	0.78	120.94	28.72	0.76	93.95	0.43
282	0	719.28	-0.13	0	0	0	0.64	1.39	119.76	0.78	120.94	28.72	0.76	93.95	0.43
283	0	722.34	-0.13	0	0	0	0.65	1.4	120.32	0.78	120.94	28.72	0.76	93.95	0.43
284	0	723.03	-0.13	0	0	0	0.65	1.41	120.23	0.78	120.94	28.72	0.76	93.95	0.43
285	0	721.44	-0.13	0	0	0	0.65	1.42	119.37	0.78	120.94	28.72	0.76	93.95	0.43
286	0	719.1	-0.12	0	0	0	0.65	1.42	118.47	0.78	120.94	28.72	0.76	93.95	0.43
287	0	717.8	-0.12	0	0	0	0.65	1.42	117.78	0.78	120.94	28.72	0.76	93.95	0.43
288	0	717.93	-0.12	0	0	0	0.65	1.41	117.78	0.78	120.94	28.72	0.76	93.95	0.43
289	0	717.48	-0.12	0	0	0	0.65	1.4	117.62	0.78	120.94	28.72	0.76	93.95	0.43
290	0	716.35	-0.12	0	0	0	0.65	1.4	116.94	0.78	120.94	28.72	0.76	93.95	0.43
291	0	714.09	-0.12	0	0	0	0.65	1.42	115.86	0.78	120.94	28.72	0.76	93.95	0.43
292	0	709.76	-0.12	0	0	0	0.65	1.46	114.05	0.77	120.94	28.72	0.76	93.95	0.43
293	0	703.55	-0.12	0	0	0	0.65	1.46	111.83	0.77	120.94	28.72	0.76	93.95	0.43
294	0	689.27	-0.11	0	0	0	0.64	1.42	107.49	0.76	120.94	28.72	0.76	93.95	0.43
295	0	667.2	-0.1	0	0	0	0.64	1.35	102.13	0.75	120.94	28.72	0.76	93.95	0.43
296	0	643.28	-0.09	0	0	0	0.63	1.32	96.31	0.74	120.94	28.72	0.76	93.95	0.43
297	0	626.09	-0.09	0	0	0	0.62	1.32	91.24	0.73	120.94	28.72	0.76	93.95	0.43
298	0	620.95	-0.08	0	0	0	0.62	1.36	87.86	0.72	120.94	28.72	0.76	93.95	0.43
299	0	616.57	-0.08	0	0	0	0.61	1.43	85.19	0.72	120.94	28.72	0.76	93.95	0.43
300	0	611.91	-0.07	0	0	0	0.61	1.53	83.93	0.72	120.94	28.72	0.76	93.95	0.43
301	0	609.18	-0.07	0	0	0	0.61	1.59	83.56	0.71	120.94	28.72	0.76	93.95	0.43
302	0	614.22	-0.08	0	0	0	0.62	1.6	84.9	0.72	120.94	28.72	0.76	93.95	0.43
303	0	626.48	-0.08	0	0	0	0.62	1.57	87.82	0.72	120.94	28.72	0.76	93.95	0.43
304	0	638.69	-0.09	0	0	0	0.63	1.51	90.68	0.73	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
305	0	647.95	-0.09	0	0	0	0.64	1.44	93.23	0.74	120.94	28.72	0.76	93.95	0.43
306	0	658.29	-0.1	0	0	0	0.65	1.35	97.83	0.74	120.94	28.72	0.76	93.95	0.43
307	0	667.29	-0.1	0	0	0	0.66	1.31	102.52	0.75	120.94	28.72	0.76	93.95	0.43
308	0	671.27	-0.11	0	0	0	0.66	1.3	104.4	0.76	120.94	28.72	0.76	93.95	0.43
309	0	666.31	-0.1	0	0	0	0.66	1.32	101.2	0.75	120.94	28.72	0.76	93.95	0.43
310	0	661.31	-0.1	0	0	0	0.65	1.36	97.78	0.74	120.94	28.72	0.76	93.95	0.43
311	0	666.89	-0.1	0	0	0	0.65	1.44	97.89	0.74	120.94	28.72	0.76	93.95	0.43
312	0	679.48	-0.1	0	0	0	0.66	1.58	102.01	0.75	120.94	28.72	0.76	93.95	0.43
313	0	687.89	-0.11	0	0	0	0.67	1.79	107.96	0.76	120.94	28.72	0.76	93.95	0.43
314	0	685.28	-0.12	0	0	0	0.68	1.99	111.23	0.77	120.94	28.72	0.76	93.95	0.43
315	0	675.11	-0.11	0	0	0	0.68	2.13	110.79	0.77	120.94	28.72	0.76	93.95	0.43
316	0	665.88	-0.11	0	0	0	0.68	2.1	106.95	0.76	120.94	28.72	0.76	93.95	0.43
317	0	663.18	-0.1	0	0	0	0.67	1.93	102.26	0.75	120.94	28.72	0.76	93.95	0.43
318	0	667.2	-0.1	0	0	0	0.67	1.69	98.97	0.75	120.94	28.72	0.76	93.95	0.43
319	0	673.88	-0.1	0	0	0	0.67	1.55	98.95	0.75	120.94	28.72	0.76	93.95	0.43
320	0	677.97	-0.1	0	0	0	0.67	1.49	99.61	0.75	120.94	28.72	0.76	93.95	0.43
321	0	678.06	-0.1	0	0	0	0.67	1.48	99.53	0.75	120.94	28.72	0.76	93.95	0.43
322	0	676.07	-0.1	0	0	0	0.67	1.5	98.88	0.75	120.94	28.72	0.76	93.95	0.43
323	0	675.6	-0.1	0	0	0	0.67	1.55	98.84	0.75	120.94	28.72	0.76	93.95	0.43
324	0	677.58	-0.1	0	0	0	0.68	1.61	99.91	0.75	120.94	28.72	0.76	93.95	0.43
325	0	680.86	-0.1	0	0	0	0.68	1.68	101.73	0.75	120.94	28.72	0.76	93.95	0.43
326	0	682.28	-0.1	0	0	0	0.68	1.74	103.09	0.75	120.94	28.72	0.76	93.95	0.43
327	0	681.42	-0.11	0	0	0	0.69	1.79	103.58	0.75	120.94	28.72	0.76	93.95	0.43
328	0	679.14	-0.1	0	0	0	0.69	1.83	103.41	0.75	120.94	28.72	0.76	93.95	0.43
329	0	676.53	-0.1	0	0	0	0.69	1.86	103.12	0.75	120.94	28.72	0.76	93.95	0.43
330	0	674.4	-0.1	0	0	0	0.69	1.89	102.92	0.75	120.94	28.72	0.76	93.95	0.43
331	0	673.39	-0.1	0	0	0	0.69	1.9	102.62	0.75	120.94	28.72	0.76	93.95	0.43
332	0	673.71	-0.1	0	0	0	0.69	1.86	101.73	0.75	120.94	28.72	0.76	93.95	0.43
333	0	673.87	-0.1	0	0	0	0.69	1.77	100.01	0.75	120.94	28.72	0.76	93.95	0.43
334	0	674.7	-0.1	0	0	0	0.69	1.69	98.7	0.75	120.94	28.72	0.76	93.95	0.43
335	0	678.71	-0.1	0	0	0	0.69	1.64	99	0.75	120.94	28.72	0.76	93.95	0.43
336	0	683.11	-0.1	0	0	0	0.69	1.65	100.16	0.75	120.94	28.72	0.76	93.95	0.43
337	0	682.92	-0.1	0	0	0	0.7	1.68	100.42	0.75	120.94	28.72	0.76	93.95	0.43
338	0	671.85	-0.1	0	0	0	0.69	1.75	98.32	0.74	120.94	28.72	0.76	93.95	0.43
339	0	656.16	-0.09	0	0	0	0.69	1.86	95.51	0.74	120.94	28.72	0.76	93.95	0.43
340	0	639.93	-0.09	0	0	0	0.69	1.98	92.81	0.73	120.94	28.72	0.76	93.95	0.43
341	0	625.04	-0.08	0	0	0	0.68	2.06	89.86	0.73	120.94	28.72	0.76	93.95	0.43
342	0	613.81	-0.08	0	0	0	0.68	2.15	87.94	0.72	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
343	0	606.44	-0.08	0	0	0	0.68	2.25	87.44	0.72	120.94	28.72	0.76	93.95	0.43
344	0	606.64	-0.08	0	0	0	0.68	2.35	89.14	0.73	120.94	28.72	0.76	93.95	0.43
345	0	603.86	-0.09	0	0	0	0.69	2.55	91.31	0.73	120.94	28.72	0.76	93.95	0.43
346	0	595.35	-0.09	0	0	0	0.7	2.95	94.87	0.74	120.94	28.72	0.76	93.95	0.43
347	9.26	581.72	0	1	3.06	0	1.93	3.48	97.7	0.58	120.94	28.72	0.76	93.95	0.43
348	8.95	573.14	0	1	3.17	0	1.86	3.5	94.94	0.58	120.94	28.72	0.76	93.95	0.43
349	0	576.19	-0.08	0	0	0	0.68	2.65	84.13	0.72	120.94	28.72	0.76	93.95	0.43
350	0	582.7	-0.06	0	0	0	0.67	2.05	76.81	0.45	120.94	28.72	0.76	93.95	0.43
351	0	588.01	-0.06	0	0	0	0.66	1.77	74.1	0.36	120.94	28.72	0.76	93.95	0.43
352	0	589.14	-0.06	0	0	0	0.66	1.74	73.84	0.35	120.94	28.72	0.76	93.95	0.43
353	0	589.93	-0.06	0	0	0	0.66	1.73	73.81	0.35	120.94	28.72	0.76	93.95	0.43
354	0	595.04	-0.06	0	0	0	0.67	1.73	75	0.39	120.94	28.72	0.76	93.95	0.43
355	0	606.04	-0.06	0	0	0	0.68	1.76	78.04	0.5	120.94	28.72	0.76	93.95	0.43
356	0	618.77	-0.07	0	0	0	0.69	1.81	81.99	0.69	120.94	28.72	0.76	93.95	0.43
357	0	631.05	-0.08	0	0	0	0.7	1.93	87.06	0.72	120.94	28.72	0.76	93.95	0.43
358	0	640.33	-0.09	0	0	0	0.71	2.11	92.69	0.73	120.94	28.72	0.76	93.95	0.43
359	0	644.56	-0.1	0	0	0	0.73	2.42	99.45	0.75	120.94	28.72	0.76	93.95	0.43
360	0	645.58	-0.11	0	0	0	0.74	2.81	106.39	0.76	120.94	28.72	0.76	93.95	0.43
361	11.56	647.32	0	1	2.57	0	2.47	3.28	114.83	0.58	120.94	28.72	0.76	93.95	0.43
362	10.68	650.33	0	1	2.19	0	2.28	3.86	124.82	0.58	120.94	28.72	0.76	93.95	0.43
363	9.76	648.15	0	1	1.94	0	2.08	4.47	132.27	0.58	120.94	28.72	0.76	93.95	0.43
364	8.67	635.75	0	1	1.78	0	1.85	5.15	135.21	0.58	120.94	28.72	0.76	93.95	0.43
365	7.31	610.03	0	1	1.69	0	1.56	5.98	132.53	0.58	120.94	28.72	0.76	93.95	0.43
366	6.17	583.56	0	1	1.65	0	1.32	6.83	127.65	0.58	120.94	28.72	0.76	93.95	0.43
367	5.56	561.44	0	1.13	1.74	35.66	1.19	7.12	119.91	0.58	120.94	28.72	0.76	93.95	0.43
368	6.81	563.64	0	1.25	2.42	38.26	1.46	5.09	105.1	0.58	120.94	28.72	0.76	93.95	0.43
369	9.3	575.4	0	1.5	3.7	40	2.01	3.09	87.2	0.58	120.94	28.72	0.76	93.95	0.43
370	0	590.95	-0.06	0	0	0	0.69	2.05	76.51	0.44	120.94	28.72	0.76	93.95	0.43
371	0	601.49	-0.06	0	0	0	0.69	1.73	74.69	0.38	120.94	28.72	0.76	93.95	0.43
372	0	607.87	-0.06	0	0	0	0.69	1.66	75.44	0.4	120.94	28.72	0.76	93.95	0.43
373	0	614.12	-0.06	0	0	0	0.7	1.69	77.15	0.46	120.94	28.72	0.76	93.95	0.43
374	0	621.34	-0.07	0	0	0	0.71	1.71	79.16	0.54	120.94	28.72	0.76	93.95	0.43
375	0	627.78	-0.07	0	0	0	0.71	1.74	81.03	0.64	120.94	28.72	0.76	93.95	0.43
376	0	630.23	-0.07	0	0	0	0.71	1.78	82.08	0.69	120.94	28.72	0.76	93.95	0.43
377	0	631.8	-0.07	0	0	0	0.72	1.85	83.44	0.71	120.94	28.72	0.76	93.95	0.43
378	0	627.06	-0.07	0	0	0	0.72	1.94	83.49	0.71	120.94	28.72	0.76	93.95	0.43
379	0	619.94	-0.07	0	0	0	0.72	2.03	82.81	0.71	120.94	28.72	0.76	93.95	0.43
380	0	607.88	-0.07	0	0	0	0.72	2.09	80.47	0.61	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
381	0	600.12	-0.07	0	0	0	0.71	2.17	79.46	0.56	120.94	28.72	0.76	93.95	0.43
382	0	593.78	-0.07	0	0	0	0.72	2.26	78.93	0.53	120.94	28.72	0.76	93.95	0.43
383	0	596.17	-0.07	0	0	0	0.72	2.43	81.99	0.69	120.94	28.72	0.76	93.95	0.43
384	0	600.41	-0.08	0	0	0	0.73	2.6	85.57	0.72	120.94	28.72	0.76	93.95	0.43
385	0	602.46	-0.08	0	0	0	0.74	2.79	88.74	0.73	120.94	28.72	0.76	93.95	0.43
386	0	595.84	-0.08	0	0	0	0.74	2.93	88.66	0.73	120.94	28.72	0.76	93.95	0.43
387	9.43	584.39	0	1	3.77	0	2.1	3.03	86.47	0.58	120.94	28.72	0.76	93.95	0.43
388	9	573.48	0	1	3.93	0	2.01	3.06	83.53	0.58	120.94	28.72	0.76	93.95	0.43
389	0	563.03	-0.07	0	0	0	0.72	2.9	78.43	0.51	120.94	28.72	0.76	93.95	0.43
390	0	553	-0.05	0	0	0	0.71	2.59	71.86	0.3	120.94	28.72	0.76	93.95	0.43
391	0	542.77	-0.04	0	0	0	0.69	2.29	65.45	0.18	120.94	28.72	0.76	93.95	0.43
392	0	537.9	-0.03	0	0	0	0.68	2.08	61.77	0.13	120.94	28.72	0.76	93.95	0.43
393	0	537.91	-0.03	0	0	0	0.68	1.95	60.19	0.11	120.94	28.72	0.76	93.95	0.43
394	0	545.59	-0.02	0	0	0	0.68	1.7	59.24	0.11	120.94	28.72	0.76	93.95	0.43
395	0	556.46	-0.03	0	0	0	0.68	1.54	60.49	0.12	120.94	28.72	0.76	93.95	0.43
396	0	572.39	-0.04	0	0	0	0.7	1.46	63.94	0.16	120.94	28.72	0.76	93.95	0.43
397	0	587.66	-0.04	0	0	0	0.71	1.5	67.22	0.2	120.94	28.72	0.76	93.95	0.43
398	0	597.04	-0.05	0	0	0	0.71	1.59	69.57	0.25	120.94	28.72	0.76	93.95	0.43
399	0	599.43	-0.05	0	0	0	0.72	1.71	71.13	0.28	120.94	28.72	0.76	93.95	0.43
400	0	593.02	-0.05	0	0	0	0.72	1.82	70.81	0.27	120.94	28.72	0.76	93.95	0.43
401	0	583.18	-0.05	0	0	0	0.72	1.9	69.29	0.24	120.94	28.72	0.76	93.95	0.43
402	0	570.74	-0.04	0	0	0	0.71	1.95	66.84	0.2	120.94	28.72	0.76	93.95	0.43
403	0	557.36	-0.04	0	0	0	0.7	1.95	63.77	0.15	120.94	28.72	0.76	93.95	0.43
404	0	544.57	-0.03	0	0	0	0.7	1.97	60.95	0.12	120.94	28.72	0.76	93.95	0.43
405	0	527.13	-0.02	0	0	0	0.68	1.94	56.74	0.09	120.94	28.72	0.76	93.95	0.43
406	0	511.46	-0.01	0	0	0	0.67	1.85	52.42	0.06	120.94	28.72	0.76	93.95	0.43
407	0	498.71	0	0	0	0	0.66	1.66	48.35	0.05	120.94	28.72	0.76	93.95	0.43
408	0	502.77	0	0	0	0	0.66	1.47	48.56	0.05	120.94	28.72	0.76	93.95	0.43
409	0	516.1	-0.01	0	0	0	0.67	1.37	51.94	0.06	120.94	28.72	0.76	93.95	0.43
410	0	532.82	-0.02	0	0	0	0.69	1.37	55.27	0.08	120.94	28.72	0.76	93.95	0.43
411	0	542.74	-0.02	0	0	0	0.69	1.46	56.37	0.09	120.94	28.72	0.76	93.95	0.43
412	0	546.39	-0.02	0	0	0	0.7	1.61	57.3	0.09	120.94	28.72	0.76	93.95	0.43
413	0	547.82	-0.02	0	0	0	0.7	1.78	58.9	0.1	120.94	28.72	0.76	93.95	0.43
414	0	550.94	-0.03	0	0	0	0.71	1.92	60.95	0.12	120.94	28.72	0.76	93.95	0.43
415	0	554.33	-0.03	0	0	0	0.72	2	62.55	0.14	120.94	28.72	0.76	93.95	0.43
416	0	556.14	-0.03	0	0	0	0.72	2.04	63.33	0.15	120.94	28.72	0.76	93.95	0.43
417	0	556.98	-0.04	0	0	0	0.72	2.06	63.59	0.15	120.94	28.72	0.76	93.95	0.43
418	0	558.87	-0.04	0	0	0	0.72	2.09	64.33	0.16	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
419	0	565.13	-0.04	0	0	0	0.73	2.14	66.35	0.19	120.94	28.72	0.76	93.95	0.43
420	0	574.41	-0.05	0	0	0	0.74	2.22	69.39	0.24	120.94	28.72	0.76	93.95	0.43
421	0	587.4	-0.06	0	0	0	0.75	2.3	73.51	0.34	120.94	28.72	0.76	93.95	0.43
422	0	598.27	-0.06	0	0	0	0.76	2.34	76.64	0.44	120.94	28.72	0.76	93.95	0.43
423	0	608.62	-0.07	0	0	0	0.77	2.35	79.44	0.56	120.94	28.72	0.76	93.95	0.43
424	0	621.2	-0.07	0	0	0	0.78	2.34	82.5	0.71	120.94	28.72	0.76	93.95	0.43
425	0	635.14	-0.08	0	0	0	0.79	2.35	86.21	0.72	120.94	28.72	0.76	93.95	0.43
426	0	649.87	-0.09	0	0	0	0.8	2.44	91.57	0.73	120.94	28.72	0.76	93.95	0.43
427	0	661.59	-0.1	0	0	0	0.83	2.82	100.96	0.75	120.94	28.72	0.76	93.95	0.43
428	10.65	668.49	0	1	2.54	0	2.53	3.52	113.55	0.58	120.94	28.72	0.76	93.95	0.43
429	8.82	661.64	0	1	2	0	2.1	4.72	126.2	0.58	120.94	28.72	0.76	93.95	0.43
430	7.23	644.21	0	1	1.69	0	1.73	6.02	131.91	0.58	120.94	28.72	0.76	93.95	0.43
431	5.83	618.98	0	1	1.5	0	1.4	7.48	132.05	0.58	120.94	28.72	0.76	93.95	0.43
432	4.9	592.67	0	1	1.45	0	1.18	8.55	126.83	0.58	120.94	28.72	0.76	93.95	0.43
433	4.15	566.29	0	1	1.45	31.78	1	9.53	119.93	0.59	120.94	28.72	0.76	93.95	0.43
434	3.6	542.35	0	0.92	1.47	32.2	0.87	10.35	112.81	0.51	120.94	28.72	0.76	93.95	0.43
435	3.33	523.13	0	0.87	1.61	33.2	0.8	10.4	104.99	0.46	120.94	28.72	0.76	93.95	0.43
436	3.29	507.31	0	0.85	1.91	34.65	0.8	9.66	96.2	0.35	120.94	28.72	0.76	93.95	0.43
437	3.53	494	0	0.87	2.58	35.31	0.86	7.96	85.19	0.58	120.94	28.72	0.76	93.95	0.43
438	3.66	491.3	0	0.9	2.88	34.54	0.89	7.36	81.67	0.58	120.94	28.72	0.76	93.95	0.43
439	3.6	496.68	0	0.91	2.61	33.36	0.88	7.81	85.18	0.58	120.94	28.72	0.76	93.95	0.43
440	3.54	512.3	0	0.9	2.09	33.54	0.86	8.8	94.42	0.58	120.94	28.72	0.76	93.95	0.43
441	3.37	522.42	0	0.86	1.71	34.49	0.82	10.02	102.35	0.43	120.94	28.72	0.76	93.95	0.43
442	3.56	530.9	0	0.87	1.71	35.89	0.87	9.67	104.3	0.47	120.94	28.72	0.76	93.95	0.43
443	4.4	538.7	0	0.97	2.26	36.87	1.08	7.27	96.98	0.58	120.94	28.72	0.76	93.95	0.43
444	6.74	557.15	0	1.26	3.77	36.64	1.64	3.98	81.24	0.58	120.94	28.72	0.76	93.95	0.43
445	0	579.86	-0.05	0	0	0	0.78	2.52	71.97	0.3	120.94	28.72	0.76	93.95	0.43
446	0	613.27	-0.06	0	0	0	0.79	2.1	74.67	0.37	120.94	28.72	0.76	93.95	0.43
447	0	637.31	-0.07	0	0	0	0.81	2.16	81.4	0.66	120.94	28.72	0.76	93.95	0.43
448	0	646.37	-0.08	0	0	0	0.83	2.53	89.24	0.73	120.94	28.72	0.76	93.95	0.43
449	9.77	633.48	0	1	3.28	0	2.4	3.2	94.64	0.58	120.94	28.72	0.76	93.95	0.43
450	7.87	611.05	0	1	2.87	0	1.94	4.11	98.18	0.58	120.94	28.72	0.76	93.95	0.43
451	6.63	588.07	0	1	2.73	0	1.64	4.84	97.29	0.58	120.94	28.72	0.76	93.95	0.43
452	5.88	570.03	0	1	2.72	0	1.46	5.32	94.86	0.58	120.94	28.72	0.76	93.95	0.43
453	5.47	555.91	0	1	2.82	0	1.36	5.52	91.34	0.58	120.94	28.72	0.76	93.95	0.43
454	5.17	541.45	0	1	3.03	0	1.29	5.53	86.67	0.58	120.94	28.72	0.76	93.95	0.43
455	4.94	522.63	0	1	3.52	0	1.23	5.3	79.23	0.55	120.94	28.72	0.76	93.95	0.43
456	5.12	506.66	0	1	4.64	0	1.27	4.46	69.22	0.24	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
457	0	503.46	-0.03	0	0	0	0.76	3.34	60.31	0.12	120.94	28.72	0.76	93.95	0.43
458	0	518.02	-0.02	0	0	0	0.75	2.5	56.26	0.08	120.94	28.72	0.76	93.95	0.43
459	0	544.69	-0.02	0	0	0	0.75	1.83	55.28	0.08	120.94	28.72	0.76	93.95	0.43
460	0	570.57	-0.02	0	0	0	0.76	1.52	58.55	0.1	120.94	28.72	0.76	93.95	0.43
461	0	594.74	-0.04	0	0	0	0.78	1.4	64.29	0.16	120.94	28.72	0.76	93.95	0.43
462	0	617.42	-0.05	0	0	0	0.8	1.4	69.3	0.24	120.94	28.72	0.76	93.95	0.43
463	0	637.31	-0.06	0	0	0	0.81	1.43	73.3	0.33	120.94	28.72	0.76	93.95	0.43
464	0	651.9	-0.06	0	0	0	0.82	1.46	76.27	0.43	120.94	28.72	0.76	93.95	0.43
465	0	660.18	-0.06	0	0	0	0.82	1.49	77.96	0.49	120.94	28.72	0.76	93.95	0.43
466	0	665.28	-0.07	0	0	0	0.83	1.52	79.03	0.54	120.94	28.72	0.76	93.95	0.43
467	0	669.86	-0.07	0	0	0	0.83	1.55	80.08	0.59	120.94	28.72	0.76	93.95	0.43
468	0	674.35	-0.07	0	0	0	0.84	1.57	81.13	0.64	120.94	28.72	0.76	93.95	0.43
469	0	678.2	-0.07	0	0	0	0.84	1.57	81.98	0.69	120.94	28.72	0.76	93.95	0.43
470	0	682.29	-0.07	0	0	0	0.84	1.55	82.77	0.71	120.94	28.72	0.76	93.95	0.43
471	0	685.17	-0.07	0	0	0	0.85	1.52	83.3	0.71	120.94	28.72	0.76	93.95	0.43
472	0	687.12	-0.07	0	0	0	0.85	1.49	83.75	0.72	120.94	28.72	0.76	93.95	0.43
473	0	687.31	-0.07	0	0	0	0.85	1.47	83.77	0.72	120.94	28.72	0.76	93.95	0.43
474	0	685.97	-0.07	0	0	0	0.85	1.47	83.36	0.71	120.94	28.72	0.76	93.95	0.43
475	0	684.41	-0.07	0	0	0	0.85	1.47	82.87	0.71	120.94	28.72	0.76	93.95	0.43
476	0	684.41	-0.07	0	0	0	0.85	1.48	82.75	0.71	120.94	28.72	0.76	93.95	0.43
477	0	685.74	-0.07	0	0	0	0.85	1.49	82.91	0.71	120.94	28.72	0.76	93.95	0.43
478	0	686.91	-0.07	0	0	0	0.86	1.49	83.1	0.71	120.94	28.72	0.76	93.95	0.43
479	0	688.19	-0.07	0	0	0	0.86	1.47	83.38	0.71	120.94	28.72	0.76	93.95	0.43
480	0	690.3	-0.08	0	0	0	0.86	1.44	84.07	0.72	120.94	28.72	0.76	93.95	0.43
481	0	695.59	-0.08	0	0	0	0.87	1.43	85.49	0.72	120.94	28.72	0.76	93.95	0.43
482	0	701.17	-0.08	0	0	0	0.87	1.43	86.73	0.72	120.94	28.72	0.76	93.95	0.43
483	0	705.71	-0.08	0	0	0	0.87	1.44	87.56	0.72	120.94	28.72	0.76	93.95	0.43
484	0	706.05	-0.08	0	0	0	0.87	1.48	87.26	0.72	120.94	28.72	0.76	93.95	0.43
485	0	702.29	-0.08	0	0	0	0.87	1.51	86.12	0.72	120.94	28.72	0.76	93.95	0.43
486	0	693.19	-0.07	0	0	0	0.87	1.54	83.8	0.72	120.94	28.72	0.76	93.95	0.43
487	0	681.77	-0.07	0	0	0	0.86	1.55	80.98	0.63	120.94	28.72	0.76	93.95	0.43
488	0	671.38	-0.07	0	0	0	0.86	1.55	78.45	0.51	120.94	28.72	0.76	93.95	0.43
489	0	665.48	-0.06	0	0	0	0.85	1.57	77.06	0.46	120.94	28.72	0.76	93.95	0.43
490	0	661.62	-0.06	0	0	0	0.85	1.62	76.34	0.43	120.94	28.72	0.76	93.95	0.43
491	0	658.01	-0.06	0	0	0	0.85	1.72	76.22	0.43	120.94	28.72	0.76	93.95	0.43
492	0	652.1	-0.06	0	0	0	0.86	1.89	76.75	0.45	120.94	28.72	0.76	93.95	0.43
493	0	645.86	-0.07	0	0	0	0.86	2.18	78.95	0.53	120.94	28.72	0.76	93.95	0.43
494	0	641.27	-0.07	0	0	0	0.88	2.53	82.49	0.71	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
495	0	633.78	-0.08	0	0	0	0.88	2.91	85.33	0.72	120.94	28.72	0.76	93.95	0.43
496	8.89	623.02	0	1	3.77	0	2.33	3.17	85.45	0.58	120.94	28.72	0.76	93.95	0.43
497	8.2	607.2	0	1	3.88	0	2.15	3.33	82.71	0.58	120.94	28.72	0.76	93.95	0.43
498	7.99	592.72	0	1	4.33	0	2.1	3.19	77.33	0.47	120.94	28.72	0.76	93.95	0.43
499	0	576.54	-0.05	0	0	0	0.85	2.84	69.57	0.25	120.94	28.72	0.76	93.95	0.43
500	0	560.48	-0.03	0	0	0	0.82	2.56	62.81	0.14	120.94	28.72	0.76	93.95	0.43
501	0	544.01	-0.02	0	0	0	0.81	2.39	57.52	0.09	120.94	28.72	0.76	93.95	0.43
502	0	533.9	-0.02	0	0	0	0.8	2.42	55.59	0.08	120.94	28.72	0.76	93.95	0.43
503	0	546.08	-0.03	0	0	0	0.83	2.91	62.65	0.14	120.94	28.72	0.76	93.95	0.43
504	6.44	584.21	0	1	3.43	0	1.72	4.35	84.86	0.58	120.94	28.72	0.76	93.95	0.43
505	5.67	610.49	0	1	2.19	0	1.53	6.17	106.05	0.58	120.94	28.72	0.76	93.95	0.43
506	4.94	637.83	0	1	1.37	0	1.34	8.78	131.41	0.58	120.94	28.72	0.76	93.95	0.43
507	4.75	686.17	0	1.07	0.86	32.37	1.29	11.53	165.97	1	120.94	28.72	0.76	93.95	0.43
508	4.82	727.65	0	1.07	0.65	33.16	1.31	13.28	194.15	1.86	120.94	28.72	0.76	93.95	0.43
509	7.68	779.1	0	1	0.95	0	2.09	8.19	190.54	0.58	120.94	28.72	0.76	93.95	0.43
510	10.07	776.16	0	1	1.47	0	2.73	5.24	159.88	0.58	120.94	28.72	0.76	93.95	0.43
511	12.43	766.52	0	1	2.14	0	3.33	3.51	132.19	0.58	120.94	28.72	0.76	93.95	0.43
512	13.64	795.34	0	1	2.03	0	3.65	3.39	140.14	0.58	120.94	28.72	0.76	93.95	0.43
513	0	760.84	-0.11	0	0	0	0.97	2.39	110.82	0.77	120.94	28.72	0.76	93.95	0.43
514	0	690.75	-0.08	0	0	0	0.92	2.16	87.72	0.72	120.94	28.72	0.76	93.95	0.43
515	0	153.95	0	0	0	0	0	1	38.34	0	120.94	28.72	0.76	93.95	0.43
516	0	206.48	0	0	0	0	0	1	68.84	0	120.94	28.72	0.76	93.95	0.43
517	0	300.23	0	0	0	0	0	1	145.34	0	120.94	28.72	0.76	93.95	0.43
518	0	335.93	0	0	0	0	0	1	181.62	0	120.94	28.72	0.76	93.95	0.43
519	0	340.77	0	0	0	0	0	1	186.69	0	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	Depth (ft)	qc (tsf)	fs (tsf)	u (psi)	Other	qt (tsf)	Rf(%)	SBT	Ic SBT	γ (pcf)	σ,v (tsf)	u0 (tsf)	σ',vo (tsf)	Qt1	Fr (%)	Bq
1	0.09	0	0	0.17	0	0	-113.75	1	0	120.94	0.01	0	0	-1.41	52.92	-1.57
2	0.14	0	0	0	0	0	-151.66	1	0	120.94	0.01	0	0	-1.77	25.91	-0.25
3	0.22	0	0	0.09	0	0	63.86	2	7.24	120.94	0.01	0.01	0.01	-1.94	-4.34	0.21
4	0.28	0	0.01	0.09	0	0.12	7.7	2	4.89	120.94	0.02	0.01	0.01	12.48	8.97	-0.03
5	0.34	0.36	0.02	0.09	0	0.27	12.04	2	4.67	120.94	0.02	0.01	0.01	25.57	13.01	-0.03
6	0.42	0.45	0.07	0	0	0.72	7.16	2	4.19	120.94	0.03	0.01	0.01	56.15	7.43	-0.02
7	0.47	1.36	0.06	0	0	1.72	3.14	3	3.68	120.94	0.03	0.01	0.01	123.56	3.19	-0.01
8	0.56	3.36	0.03	0	0	2.9	1.48	3	3.33	120.94	0.03	0.02	0.02	176.14	1.49	-0.01
9	0.59	3.99	0.03	0	0	4.57	0.76	3	3.04	120.94	0.04	0.02	0.02	261.66	0.76	0
10	0.67	6.35	0.04	0	0	5.96	0.71	4	2.92	120.94	0.04	0.02	0.02	303.77	0.72	0
11	0.72	7.53	0.06	0.26	0	7.11	0.73	4	2.86	120.94	0.04	0.02	0.02	333.27	0.73	0
12	0.81	7.44	0.06	0.7	0	7.48	0.82	4	2.86	120.94	0.05	0.03	0.02	313.82	0.83	0
13	0.86	7.44	0.07	0.09	0	7.41	0.87	4	2.87	120.94	0.05	0.03	0.03	293.7	0.88	0
14	0.95	7.35	0.06	0.09	0	7.11	0.84	4	2.88	120.94	0.06	0.03	0.03	253.46	0.85	0
15	1	6.53	0.05	0.09	0	6.72	0.78	4	2.89	120.94	0.06	0.03	0.03	227.05	0.79	0
16	1.06	6.26	0.04	0.17	0	6.26	0.74	4	2.91	120.94	0.06	0.03	0.03	200.28	0.74	0
17	1.15	5.99	0.05	0.17	0	5.84	0.76	4	2.94	120.94	0.07	0.04	0.03	172.28	0.77	0
18	1.19	5.26	0.04	0.17	0	4.84	0.88	3	3.04	120.94	0.07	0.04	0.03	136.85	0.9	0
19	1.29	3.27	0.04	0.35	0	4	1.01	3	3.14	120.94	0.08	0.04	0.04	104.17	1.03	-0.01
20	1.33	3.45	0.04	0.09	0	3.36	1.17	3	3.24	120.94	0.08	0.04	0.04	84.02	1.2	-0.01
21	1.38	3.36	0.04	-0.09	0	3.42	1.08	3	3.22	120.94	0.08	0.04	0.04	82.47	1.11	-0.01
22	1.48	3.45	0.03	-0.09	0	3.3	1	3	3.22	120.94	0.09	0.05	0.04	74.22	1.02	-0.02
23	1.52	3.08	0.03	0	0	3.33	0.85	1	3.19	120.94	0.09	0.05	0.04	72.94	0.87	-0.02
24	1.59	3.45	0.03	0	0	3.36	0.71	1	3.16	120.94	0.1	0.05	0.05	70.15	0.73	-0.02
25	1.67	3.54	0.02	0	0	3.66	0.55	1	3.08	120.94	0.1	0.05	0.05	72.9	0.57	-0.01
26	1.72	3.99	0.01	0	0	3.84	0.42	1	3.03	120.94	0.1	0.05	0.05	74.47	0.44	-0.01
27	1.8	3.99	0.01	-0.09	0	3.84	0.41	1	3.03	120.94	0.11	0.06	0.05	70.83	0.43	-0.02
28	1.86	3.54	0.02	0.09	0	3.87	0.46	1	3.04	120.94	0.11	0.06	0.05	69.1	0.48	-0.02
29	1.9	4.08	0.02	-0.09	0	4.51	0.54	1	3	120.94	0.12	0.06	0.06	78.9	0.55	-0.01
30	1.99	5.9	0.03	0.09	0	5.53	0.62	4	2.93	120.94	0.12	0.06	0.06	92.9	0.63	-0.01
31	2.05	6.62	0.05	0	0	6.8	0.67	4	2.86	120.94	0.12	0.06	0.06	111.3	0.69	-0.01
32	2.13	7.89	0.06	0.09	0	7.65	0.7	4	2.82	120.94	0.13	0.07	0.06	120.62	0.71	-0.01
33	2.2	8.44	0.06	0.09	0	8.65	0.7	4	2.77	120.94	0.13	0.07	0.06	132.62	0.71	-0.01
34	2.25	9.62	0.07	0.09	0	8.92	0.8	4	2.78	120.94	0.14	0.07	0.07	133.84	0.81	-0.01
35	2.32	8.71	0.09	0.09	0	9.62	0.95	4	2.78	120.94	0.14	0.07	0.07	139.9	0.96	-0.01
36	2.39	10.52	0.12	-0.09	0	10.25	1.05	4	2.78	120.94	0.14	0.07	0.07	144.73	1.06	-0.01
37	2.43	11.52	0.12	-0.96	0	11.39	1	4	2.73	120.94	0.15	0.08	0.07	157.98	1.01	-0.01
38	2.53	12.16	0.11	-1.04	0	12.42	0.93	4	2.68	120.94	0.15	0.08	0.07	165.72	0.94	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
39	2.57	13.61	0.12	-0.78	0	12.27	1.05	4	2.71	120.94	0.16	0.08	0.08	160.88	1.07	-0.01
40	2.67	11.07	0.16	-0.61	0	12.69	1.17	4	2.72	120.94	0.16	0.08	0.08	160.27	1.18	-0.01
41	2.72	13.43	0.16	-0.87	0	12.09	1.35	4	2.76	120.94	0.16	0.08	0.08	150.07	1.37	-0.01
42	2.77	11.79	0.16	-0.7	0	12.81	1.29	4	2.73	120.94	0.17	0.09	0.08	156.13	1.31	-0.01
43	2.84	13.24	0.17	-0.96	0	12.74	1.35	4	2.74	120.94	0.17	0.09	0.08	151.57	1.37	-0.01
44	2.9	13.24	0.18	-0.78	0	13.23	1.4	4	2.74	120.94	0.18	0.09	0.08	153.81	1.42	-0.01
45	2.96	13.24	0.2	-0.96	0	13.38	1.4	4	2.73	120.94	0.18	0.09	0.09	152.63	1.42	-0.01
46	3.02	13.7	0.18	-1.06	0	13.38	1.21	4	2.7	120.94	0.18	0.09	0.09	149.44	1.23	-0.01
47	3.11	13.24	0.11	-1.06	0	13.47	0.9	4	2.64	120.94	0.19	0.1	0.09	145.98	0.91	-0.01
48	3.15	13.52	0.08	-0.98	0	13.77	0.65	5	2.57	120.94	0.19	0.1	0.09	147.17	0.66	-0.01
49	3.25	14.6	0.08	-0.98	0	14.65	0.59	5	2.53	120.94	0.2	0.1	0.1	151.8	0.6	-0.01
50	3.3	15.87	0.09	-0.98	0	16.01	0.63	5	2.51	120.94	0.2	0.1	0.1	163.99	0.64	-0.01
51	3.35	17.6	0.12	-0.96	0	17.58	0.73	5	2.5	120.94	0.2	0.1	0.1	177.1	0.74	-0.01
52	3.43	19.32	0.17	-1.13	0	19.07	0.8	5	2.48	120.94	0.21	0.11	0.1	188.03	0.81	-0.01
53	3.49	20.32	0.17	-0.7	0	20.25	0.83	5	2.47	120.94	0.21	0.11	0.1	196.07	0.84	-0.01
54	3.54	21.14	0.17	-0.43	0	19.68	0.86	5	2.49	120.94	0.21	0.11	0.1	187.82	0.87	-0.01
55	3.63	17.6	0.17	0.52	0	18.79	0.88	5	2.51	120.94	0.22	0.11	0.11	174.62	0.89	0
56	3.69	17.6	0.16	1.13	0	16.61	0.96	5	2.57	120.94	0.22	0.12	0.11	151.97	0.97	0
57	3.78	14.6	0.15	0.78	0	15.86	0.92	4	2.58	120.94	0.23	0.12	0.11	141.38	0.93	0
58	3.83	15.33	0.13	0.78	0	15.12	0.82	5	2.58	120.94	0.23	0.12	0.11	133	0.84	0
59	3.88	15.38	0.1	0.87	0	15.39	0.66	5	2.53	120.94	0.23	0.12	0.11	133.7	0.67	0
60	3.94	15.42	0.08	0.78	0	15.93	0.55	5	2.48	120.94	0.24	0.12	0.12	136.04	0.56	0
61	4.02	16.96	0.08	0.96	0	16.76	0.52	5	2.46	120.94	0.24	0.13	0.12	140.61	0.53	0
62	4.07	17.87	0.1	1.22	0	18.79	0.52	5	2.41	120.94	0.25	0.13	0.12	155.79	0.53	0
63	4.16	21.5	0.11	1.22	0	21.19	0.52	5	2.36	120.94	0.25	0.13	0.12	172	0.53	0
64	4.21	24.13	0.12	1.48	0	23.76	0.54	5	2.32	120.94	0.25	0.13	0.12	190.82	0.55	0
65	4.27	25.58	0.15	1.83	0	25.64	0.6	5	2.31	120.94	0.26	0.13	0.12	203.24	0.61	0
66	4.35	27.12	0.19	2.09	0	28.09	0.65	5	2.29	120.94	0.26	0.14	0.13	218.9	0.66	0
67	4.4	31.48	0.21	2.35	0	31.15	0.69	5	2.26	120.94	0.27	0.14	0.13	239.74	0.7	0
68	4.47	34.74	0.25	2.87	0	34.9	0.75	5	2.24	120.94	0.27	0.14	0.13	264.7	0.76	0
69	4.54	38.37	0.33	3.05	0	39.5	0.87	5	2.23	120.94	0.27	0.14	0.13	295.15	0.88	0
70	4.63	45.27	0.46	3.31	0	44.5	0.97	5	2.21	120.94	0.28	0.14	0.14	326.36	0.98	0
71	4.67	49.71	0.52	3.48	0	49.34	1.01	5	2.18	120.94	0.28	0.15	0.14	359.28	1.01	0
72	4.74	52.88	0.52	3.92	0	52.91	0.97	5	2.14	120.94	0.29	0.15	0.14	379.84	0.98	0
73	4.82	55.97	0.52	3.48	0	55.33	0.93	5	2.12	120.94	0.29	0.15	0.14	390.44	0.94	0
74	4.86	56.97	0.52	3.74	0	58.75	0.91	5	2.09	120.94	0.29	0.15	0.14	411.46	0.91	0
75	4.93	63.14	0.57	4.18	0	62.74	0.91	5	2.07	120.94	0.3	0.15	0.14	433.12	0.91	0
76	5.02	67.94	0.62	4.26	0	68.88	0.9	6	2.03	120.94	0.3	0.16	0.15	467.41	0.9	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
77	5.07	75.38	0.66	4.18	0	73.9	0.88	6	2	120.94	0.31	0.16	0.15	496.15	0.89	0
78	5.12	78.19	0.67	4.44	0	77.31	0.87	6	1.98	120.94	0.31	0.16	0.15	514.09	0.87	0
79	5.21	78.19	0.68	4.18	0	78.86	0.86	6	1.97	120.94	0.31	0.16	0.15	515.59	0.86	0
80	5.26	80.01	0.67	3.83	0	74.2	0.9	6	2	120.94	0.32	0.16	0.15	480.1	0.9	0
81	5.35	64.22	0.65	3.92	0	67.64	0.96	6	2.05	120.94	0.32	0.17	0.16	429.92	0.97	0
82	5.39	58.51	0.63	4.61	0	61.59	1.02	5	2.1	120.94	0.33	0.17	0.16	388.33	1.03	0
83	5.45	61.87	0.61	4.26	0	60.54	1	5	2.1	120.94	0.33	0.17	0.16	377.49	1	0
84	5.52	61.05	0.57	4.35	0	61.11	0.92	5	2.08	120.94	0.33	0.17	0.16	376.64	0.92	0
85	5.59	60.23	0.5	4.35	0	60.02	0.86	5	2.07	120.94	0.34	0.17	0.16	364.83	0.86	0
86	5.65	58.6	0.47	4.35	0	58.15	0.8	6	2.06	120.94	0.34	0.18	0.17	350.02	0.8	0
87	5.73	55.42	0.42	4.18	0	55.64	0.77	5	2.07	120.94	0.35	0.18	0.17	329.66	0.77	0
88	5.79	52.7	0.4	4.87	0	52.59	0.76	5	2.09	120.94	0.35	0.18	0.17	308.56	0.77	0
89	5.85	49.44	0.39	5.39	0	50.06	0.77	5	2.11	120.94	0.35	0.18	0.17	290.48	0.77	0
90	5.91	47.81	0.36	5.39	0	48.1	0.74	5	2.11	120.94	0.36	0.18	0.17	276.36	0.74	0
91	5.99	46.81	0.31	5.39	0	46.5	0.67	5	2.11	120.94	0.36	0.19	0.18	263.53	0.68	0
92	6.05	44.63	0.26	5.57	0	40.84	0.67	5	2.16	120.94	0.37	0.19	0.18	228.55	0.68	0
93	6.12	30.84	0.26	5.05	0	32.33	0.77	5	2.27	120.94	0.37	0.19	0.18	178.57	0.78	0
94	6.17	21.32	0.23	3.57	0	23.61	0.92	5	2.43	120.94	0.37	0.19	0.18	128.74	0.93	0
95	6.26	18.51	0.17	2.87	0	19.82	0.93	5	2.5	120.94	0.38	0.2	0.18	106.1	0.95	0
96	6.32	19.5	0.16	2.35	0	19.65	0.83	5	2.48	120.94	0.38	0.2	0.18	104.31	0.84	0
97	6.37	20.82	0.16	2.81	0	21.34	0.86	5	2.45	120.94	0.39	0.2	0.19	112.53	0.87	0
98	6.45	23.59	0.23	2.81	0	22.22	1.2	5	2.51	120.94	0.39	0.2	0.19	115.68	1.22	0
99	6.5	22.13	0.41	2.81	0	20.9	1.88	4	2.64	120.94	0.39	0.2	0.19	107.78	1.92	0
100	6.59	16.87	0.54	1.48	0	17.87	2.63	4	2.78	120.94	0.4	0.21	0.19	90.57	2.69	0
101	6.64	14.51	0.46	2.61	0	14.82	2.99	3	2.88	120.94	0.4	0.21	0.19	74.21	3.07	0
102	6.69	12.97	0.33	4	0	13.34	2.87	3	2.9	120.94	0.4	0.21	0.2	66.09	2.96	0.01
103	6.77	12.34	0.36	8.01	0	16.31	2.99	3	2.84	120.94	0.41	0.21	0.2	80.25	3.07	0.02
104	6.83	23.31	0.77	9.74	0	24.04	2.44	4	2.66	120.94	0.41	0.21	0.2	118.2	2.48	0.01
105	6.89	36.19	0.63	2.44	0	33.83	2.07	5	2.49	120.94	0.42	0.22	0.2	165.72	2.1	0
106	6.98	41.82	0.7	0.61	0	39.05	1.74	5	2.4	120.94	0.42	0.22	0.2	189.29	1.76	0
107	7.03	39.1	0.71	-1.22	0	34.46	1.84	5	2.46	120.94	0.42	0.22	0.21	165.66	1.86	-0.01
108	7.11	22.5	0.49	-1.13	0	27.57	2.03	4	2.56	120.94	0.43	0.22	0.21	130.56	2.07	-0.01
109	7.17	21.14	0.49	1.22	0	21.91	5.61	3	2.92	120.94	0.43	0.22	0.21	102.39	5.72	0
110	7.26	22	2.71	6.87	0	21.05	10.32	3	3.12	120.94	0.44	0.23	0.21	97.05	10.54	0.01
111	7.3	19.78	3.32	8.27	0	21.19	14.22	3	3.21	120.94	0.44	0.23	0.21	97.15	14.53	0.01
112	7.36	21.5	3.01	6	0	58.59	5.22	4	2.6	120.94	0.45	0.23	0.22	270.02	5.26	0
113	7.45	134.25	2.84	2.78	0	89.84	3.2	5	2.31	120.94	0.45	0.23	0.22	410.12	3.21	0
114	7.49	113.66	2.76	-0.35	0	157.41	1.72	6	1.95	120.94	0.45	0.23	0.22	716.73	1.73	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
115	7.55	224.33	2.54	-2.35	0	136.81	1.84	5	2.01	120.94	0.46	0.24	0.22	617.27	1.85	0
116	7.64	72.48	2.27	-0.12	0	124.27	1.9	5	2.05	120.94	0.46	0.24	0.22	554.25	1.91	0
117	7.69	76.11	2.28	-5.05	0	73.52	2.93	5	2.34	120.94	0.46	0.24	0.22	324.89	2.95	-0.01
118	7.77	72.12	1.92	-6.26	0	72.7	2.57	5	2.31	120.94	0.47	0.24	0.23	317.97	2.59	-0.01
119	7.83	70.12	1.41	-6.44	0	66.01	2.26	5	2.3	120.94	0.47	0.24	0.23	286.03	2.28	-0.01
120	7.88	56.06	1.15	-6.53	0	50.07	2.61	5	2.43	120.94	0.48	0.25	0.23	215.1	2.64	-0.01
121	7.95	24.31	1.36	-5.48	0	33.51	3.83	4	2.67	120.94	0.48	0.25	0.23	142.02	3.89	-0.02
122	8.03	20.41	1.34	-4.35	0	26.03	5.16	3	2.84	120.94	0.49	0.25	0.23	108.71	5.26	-0.02
123	8.07	33.56	1.33	-3.74	0	34.21	3.88	4	2.67	120.94	0.49	0.25	0.24	142.77	3.94	-0.01
124	8.16	48.8	1.31	-2.35	0	53.69	2.45	5	2.39	120.94	0.49	0.25	0.24	222.98	2.47	-0.01
125	8.22	78.83	1.3	-1.3	0	87.72	1.56	5	2.1	120.94	0.5	0.26	0.24	362.78	1.57	0
126	8.29	135.61	1.48	-1.57	0	128.55	1.19	6	1.9	120.94	0.5	0.26	0.24	527.81	1.19	0
127	8.36	171.26	1.79	-0.96	0	166.95	1.08	6	1.79	120.94	0.51	0.26	0.24	681.08	1.09	0
128	8.41	194.03	2.15	-1.04	0	190.58	1.09	6	1.75	120.94	0.51	0.26	0.25	772.85	1.09	0
129	8.47	206.46	2.3	1.13	0	210	1.02	6	1.7	120.94	0.51	0.26	0.25	845.56	1.02	0
130	8.55	229.5	1.99	0.26	0	222.05	0.96	6	1.66	120.94	0.52	0.27	0.25	885.81	0.96	0
131	8.6	230.13	2.12	2	0	230.55	0.87	6	1.62	120.94	0.52	0.27	0.25	914.14	0.87	0
132	8.68	231.95	1.89	3.22	0	242.48	0.78	6	1.57	120.94	0.52	0.27	0.25	953.43	0.78	0
133	8.74	265.24	1.65	3.22	0	259	0.74	6	1.53	120.94	0.53	0.27	0.26	1010.58	0.74	0
134	8.8	279.66	2.19	3.39	0	275.17	0.79	6	1.54	120.94	0.53	0.27	0.26	1066.98	0.79	0
135	8.88	280.48	2.67	3.22	0	280.27	0.97	6	1.6	120.94	0.54	0.28	0.26	1076.36	0.97	0
136	8.93	280.48	3.32	6.09	0	280.82	1.26	6	1.68	120.94	0.54	0.28	0.26	1072.91	1.26	0
137	9	281.3	4.59	4.18	0	281.42	1.47	6	1.74	120.94	0.54	0.28	0.26	1066.61	1.48	0
138	9.06	282.29	4.54	3.57	0	283.95	1.62	6	1.77	120.94	0.55	0.28	0.26	1069.77	1.63	0
139	9.12	288.1	4.71	3.22	0	304.51	1.65	6	1.76	120.94	0.55	0.28	0.27	1139.18	1.65	0
140	9.19	342.98	5.83	3.74	0	325.01	1.71	6	1.75	120.94	0.56	0.29	0.27	1206.87	1.71	0
141	9.26	343.8	6.09	3.05	0	343.21	1.68	6	1.73	120.94	0.56	0.29	0.27	1264.53	1.68	0
142	9.32	342.71	5.4	3.48	0	343.12	1.58	6	1.71	120.94	0.56	0.29	0.27	1256.44	1.59	0
143	9.39	342.71	4.8	3	0	342.39	1.44	6	1.68	120.94	0.57	0.29	0.27	1244.81	1.44	0
144	9.46	341.62	4.56	2.96	0	331.13	1.33	6	1.66	120.94	0.57	0.3	0.28	1194.75	1.34	0
145	9.52	308.96	3.89	1.22	0	318.77	1.24	6	1.65	120.94	0.58	0.3	0.28	1142.19	1.24	0
146	9.58	305.61	3.4	3.13	0	309.35	1.14	6	1.62	120.94	0.58	0.3	0.28	1101.69	1.14	0
147	9.65	313.41	3.26	1.36	0	295.12	1.12	6	1.63	120.94	0.58	0.3	0.28	1043.28	1.13	0
148	9.72	266.24	3.29	3.31	0	274.39	1.21	6	1.68	120.94	0.59	0.3	0.28	962.93	1.21	0
149	9.79	243.38	3.39	4.18	0	231.91	1.43	6	1.78	120.94	0.59	0.31	0.29	808.12	1.44	0
150	9.89	185.96	3.29	2.61	0	203.84	1.61	6	1.85	120.94	0.6	0.31	0.29	702.56	1.61	0
151	9.94	182.06	3.14	0.96	0	186.21	1.66	6	1.89	120.94	0.6	0.31	0.29	638.66	1.66	0
152	9.98	190.58	2.82	-0.52	0	188.06	1.43	6	1.84	120.94	0.6	0.31	0.29	642.11	1.44	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
153	10.05	191.58	2.13	-2.7	0	190.46	1.15	6	1.76	120.94	0.61	0.31	0.29	646.09	1.15	0
154	10.12	189.31	1.59	-3.13	0	189.84	0.92	6	1.7	120.94	0.61	0.32	0.3	639.52	0.92	0
155	10.18	188.77	1.53	-3.74	0	188.5	0.82	6	1.66	120.94	0.62	0.32	0.3	631.11	0.82	0
156	10.24	187.59	1.51	-4.87	0	188.14	0.8	6	1.66	120.94	0.62	0.32	0.3	626.18	0.81	0
157	10.32	188.23	1.5	-4	0	189.07	0.79	6	1.65	120.94	0.62	0.32	0.3	624.47	0.79	0
158	10.37	191.58	1.46	-4.26	0	189.59	0.73	6	1.63	120.94	0.63	0.32	0.3	622.75	0.74	0
159	10.46	189.13	1.21	-2.61	0	189.33	0.68	6	1.61	120.94	0.63	0.33	0.31	616.63	0.69	0
160	10.51	187.41	1.21	-2.52	0	193.57	0.68	6	1.6	120.94	0.64	0.33	0.31	627.77	0.68	0
161	10.6	204.28	1.53	-2.7	0	199.98	0.73	6	1.61	120.94	0.64	0.33	0.31	642.74	0.74	0
162	10.63	208.36	1.65	-2.78	0	203.7	0.79	6	1.63	120.94	0.64	0.33	0.31	652.94	0.79	0
163	10.71	198.57	1.64	-2.78	0	202.45	0.81	6	1.64	120.94	0.65	0.33	0.31	644.44	0.81	0
164	10.78	200.56	1.64	-3.48	0	198.2	0.83	6	1.65	120.94	0.65	0.34	0.32	626.44	0.83	0
165	10.83	195.57	1.64	-1.39	0	188.04	0.85	6	1.68	120.94	0.65	0.34	0.32	591.7	0.86	0
166	10.9	168.09	1.53	-1.74	0	170.38	0.89	6	1.72	120.94	0.66	0.34	0.32	532.49	0.89	0
167	10.98	147.59	1.35	-3.48	0	150.69	1	6	1.79	120.94	0.66	0.34	0.32	466.97	1	0
168	11.03	136.52	1.62	-3.22	0	137.38	1.08	6	1.85	120.94	0.67	0.34	0.32	423.59	1.08	0
169	11.11	128.17	1.47	-3.57	0	127.61	1.08	6	1.87	120.94	0.67	0.35	0.32	390.62	1.09	0
170	11.18	118.29	1.05	-3.31	0	118.54	1	6	1.87	120.94	0.68	0.35	0.33	360.52	1.01	-0.01
171	11.23	109.31	1.04	-3.39	0	110	0.93	6	1.88	120.94	0.68	0.35	0.33	332.9	0.93	0
172	11.32	102.5	0.96	-0.35	0	101.01	0.95	6	1.91	120.94	0.68	0.35	0.33	302.99	0.96	0
173	11.37	91.26	0.88	0.61	0	91.23	0.98	6	1.95	120.94	0.69	0.35	0.33	272.32	0.99	0
174	11.42	79.92	0.85	0.61	0	81.36	1.05	6	2.01	120.94	0.69	0.36	0.33	241.55	1.06	0
175	11.51	72.93	0.84	-2.6	0	74.84	1.12	5	2.06	120.94	0.7	0.36	0.34	220.2	1.13	-0.01
176	11.55	71.75	0.82	-2.6	0	71.04	1.1	5	2.07	120.94	0.7	0.36	0.34	208.23	1.12	-0.01
177	11.63	68.58	0.69	-4.26	0	69.51	1.02	5	2.06	120.94	0.7	0.36	0.34	202.33	1.03	-0.01
178	11.7	68.35	0.62	-4.44	0	68.37	0.94	6	2.04	120.94	0.71	0.37	0.34	197.69	0.95	-0.01
179	11.75	68.35	0.62	-2.19	0	68.23	0.92	6	2.04	120.94	0.71	0.37	0.34	196.51	0.93	-0.01
180	11.81	68.12	0.65	-2.06	0	68.54	0.95	6	2.05	120.94	0.71	0.37	0.35	196.3	0.96	-0.01
181	11.91	69.21	0.68	-0.87	0	69.07	0.99	6	2.05	120.94	0.72	0.37	0.35	196.14	1	-0.01
182	11.96	69.94	0.72	-0.78	0	70.05	1.05	5	2.07	120.94	0.72	0.37	0.35	198.1	1.07	-0.01
183	12.05	71.03	0.81	-0.7	0	70.87	1.12	5	2.08	120.94	0.73	0.38	0.35	199	1.13	-0.01
184	12.08	71.66	0.84	-0.35	0	71.96	1.18	5	2.09	120.94	0.73	0.38	0.35	201.53	1.19	-0.01
185	12.15	73.2	0.9	-0.43	0	73.23	1.24	5	2.09	120.94	0.73	0.38	0.36	203.98	1.25	-0.01
186	12.24	74.84	0.98	-0.26	0	74.26	1.29	5	2.1	120.94	0.74	0.38	0.36	205.28	1.3	-0.01
187	12.27	74.75	1	0	0	75.87	1.34	5	2.1	120.94	0.74	0.38	0.36	209.3	1.35	-0.01
188	12.34	78.01	1.06	0	0	77.83	1.37	5	2.1	120.94	0.75	0.39	0.36	213.49	1.38	0
189	12.42	80.73	1.13	0.26	0	80.31	1.4	5	2.1	120.94	0.75	0.39	0.36	219.04	1.41	0
190	12.49	82.18	1.18	0.52	0	82.1	1.42	5	2.09	120.94	0.76	0.39	0.37	222.69	1.44	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
191	12.54	83.36	1.2	0.78	0	83.58	1.44	5	2.09	120.94	0.76	0.39	0.37	225.86	1.46	0
192	12.63	85.18	1.24	0.61	0	84.98	1.42	5	2.08	120.94	0.76	0.39	0.37	227.92	1.44	0
193	12.67	86.36	1.18	0.61	0	86.79	1.36	5	2.06	120.94	0.77	0.4	0.37	232.05	1.37	0
194	12.74	88.81	1.11	0.61	0	88.67	1.28	6	2.04	120.94	0.77	0.4	0.37	235.79	1.29	0
195	12.82	90.8	1.11	0.52	0	90.06	1.23	6	2.02	120.94	0.78	0.4	0.38	238.03	1.24	0
196	12.87	90.53	1.12	0.61	0	90.54	1.24	6	2.02	120.94	0.78	0.4	0.38	238.52	1.25	0
197	12.94	90.26	1.15	0.78	0	90.27	1.26	6	2.03	120.94	0.78	0.4	0.38	236.45	1.28	0
198	13	89.99	1.16	0.61	0	89.7	1.29	6	2.04	120.94	0.79	0.41	0.38	233.88	1.3	0
199	13.06	88.81	1.16	0.74	0	89.03	1.31	5	2.04	120.94	0.79	0.41	0.38	230.97	1.32	0
200	13.13	88.26	1.17	0.7	0	88	1.32	5	2.05	120.94	0.79	0.41	0.38	227.04	1.34	0
201	13.22	86.9	1.16	0.96	0	87.09	1.33	5	2.06	120.94	0.8	0.41	0.39	223.2	1.35	0
202	13.27	86.09	1.15	0.52	0	86.46	1.34	5	2.06	120.94	0.8	0.41	0.39	220.7	1.35	0
203	13.32	86.36	1.16	0.87	0	86.67	1.34	5	2.06	120.94	0.81	0.42	0.39	220.36	1.35	0
204	13.4	87.54	1.16	0.87	0	88.04	1.32	5	2.05	120.94	0.81	0.42	0.39	222.48	1.33	0
205	13.46	90.17	1.17	0.87	0	90.61	1.3	6	2.03	120.94	0.81	0.42	0.39	228.03	1.31	0
206	13.52	94.07	1.19	0.87	0	93.14	1.28	6	2.02	120.94	0.82	0.42	0.4	233.48	1.29	0
207	13.59	95.16	1.21	0.35	0	95.02	1.28	6	2.02	120.94	0.82	0.42	0.4	236.93	1.29	0
208	13.65	95.79	1.24	0.61	0	96.25	1.29	6	2.01	120.94	0.83	0.43	0.4	238.92	1.3	0
209	13.73	97.79	1.26	0.43	0	97.77	1.29	6	2.01	120.94	0.83	0.43	0.4	241.32	1.3	0
210	13.8	99.69	1.28	0.78	0	99.28	1.3	6	2.01	120.94	0.83	0.43	0.4	243.94	1.31	0
211	13.87	100.33	1.32	0.87	0	100.25	1.32	6	2.01	120.94	0.84	0.43	0.41	245.07	1.33	0
212	13.93	100.69	1.36	0.43	0	100.46	1.36	6	2.02	120.94	0.84	0.43	0.41	244.56	1.37	0
213	13.98	100.33	1.42	0.43	0	99.49	1.44	5	2.04	120.94	0.85	0.44	0.41	241.14	1.45	0
214	14.06	97.42	1.52	0.61	0	95.2	1.6	5	2.08	120.94	0.85	0.44	0.41	229.41	1.62	0
215	14.12	87.81	1.63	0.7	0	86.31	1.9	5	2.16	120.94	0.85	0.44	0.41	206.98	1.92	0
216	14.18	73.66	1.77	1.04	0	74.1	2.39	5	2.28	120.94	0.86	0.44	0.41	176.57	2.41	0
217	14.27	60.78	1.9	1.48	0	62.37	2.94	5	2.4	120.94	0.86	0.45	0.42	147.39	2.98	-0.01
218	14.32	52.61	1.83	1.57	0	51.88	3.42	4	2.5	120.94	0.87	0.45	0.42	121.81	3.48	-0.01
219	14.42	42.18	1.59	2.44	0	45.24	3.65	4	2.56	120.94	0.87	0.45	0.42	105.22	3.72	-0.01
220	14.46	40.82	1.53	3.92	0	41.39	3.73	4	2.6	120.94	0.87	0.45	0.42	95.78	3.81	0
221	14.51	41	1.51	4.7	0	41.54	3.68	4	2.59	120.94	0.88	0.45	0.42	95.82	3.76	0
222	14.58	42.63	1.54	3.83	0	43.51	3.58	4	2.57	120.94	0.88	0.46	0.43	99.94	3.65	0
223	14.64	46.72	1.61	3.31	0	46.4	3.48	4	2.54	120.94	0.89	0.46	0.43	106.26	3.55	0
224	14.7	49.71	1.69	2.61	0	48.14	3.39	4	2.52	120.94	0.89	0.46	0.43	109.87	3.46	-0.01
225	14.79	47.9	1.6	0.61	0	47.58	3.37	4	2.52	120.94	0.89	0.46	0.43	107.9	3.43	-0.01
226	14.84	45.08	1.52	0	0	45.63	3.3	4	2.53	120.94	0.9	0.46	0.43	103.02	3.37	-0.01
227	14.9	43.9	1.4	-0.35	0	45.23	2.99	4	2.5	120.94	0.9	0.47	0.44	101.74	3.05	-0.01
228	14.99	46.72	1.13	0.09	0	49.32	2.44	5	2.41	120.94	0.91	0.47	0.44	110.42	2.49	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
229	15.04	57.33	1.08	0.35	0	61.51	1.77	5	2.25	120.94	0.91	0.47	0.44	137.73	1.8	-0.01
230	15.1	80.46	1.07	0.43	0	80.4	1.31	5	2.08	120.94	0.91	0.47	0.44	180.03	1.33	-0.01
231	15.18	103.41	1.02	-0.35	0	100.72	1.03	6	1.93	120.94	0.92	0.47	0.44	224.77	1.04	0
232	15.23	118.29	1.01	-0.43	0	116.77	0.91	6	1.85	120.94	0.92	0.48	0.45	260.05	0.92	0
233	15.32	128.63	1.15	-1.04	0	126.11	0.89	6	1.82	120.94	0.93	0.48	0.45	279.28	0.89	0
234	15.35	131.44	1.19	-1.57	0	132.96	0.91	6	1.81	120.94	0.93	0.48	0.45	294	0.91	0
235	15.44	138.88	1.27	-1.61	0	136.5	0.92	6	1.8	120.94	0.93	0.48	0.45	300.27	0.93	0
236	15.49	139.24	1.3	-1.91	0	139.1	0.94	6	1.8	120.94	0.94	0.48	0.45	304.87	0.95	0
237	15.57	139.24	1.35	-1.65	0	139.21	0.96	6	1.81	120.94	0.94	0.49	0.46	303.59	0.96	0
238	15.66	139.24	1.34	-1.83	0	139.49	0.96	6	1.81	120.94	0.95	0.49	0.46	302.49	0.97	0
239	15.7	140.06	1.34	-1.74	0	139.52	0.96	6	1.81	120.94	0.95	0.49	0.46	301.78	0.97	0
240	15.76	139.33	1.35	-1.83	0	138.79	0.96	6	1.81	120.94	0.95	0.49	0.46	299.02	0.96	0
241	15.85	137.06	1.29	-2.44	0	137.97	0.95	6	1.81	120.94	0.96	0.49	0.46	295.57	0.95	0
242	15.88	137.61	1.27	-2.26	0	137.48	0.95	6	1.81	120.94	0.96	0.5	0.46	293.9	0.95	0
243	15.95	137.88	1.34	-2.17	0	137.03	0.99	6	1.82	120.94	0.96	0.5	0.47	291.67	0.99	0
244	16.04	135.7	1.45	-2.17	0	135.98	1.05	6	1.84	120.94	0.97	0.5	0.47	287.85	1.06	0
245	16.09	134.43	1.51	0.51	0	132.14	1.14	6	1.88	120.94	0.97	0.5	0.47	278.72	1.15	0
246	16.17	126.27	1.58	3.39	0	130.66	1.2	6	1.89	120.94	0.98	0.5	0.47	274.18	1.21	0
247	16.23	131.17	1.62	3.13	0	129.82	1.24	6	1.91	120.94	0.98	0.51	0.47	271.45	1.25	0
248	16.28	131.89	1.65	3.13	0	132.24	1.24	6	1.9	120.94	0.98	0.51	0.48	275.59	1.25	0
249	16.38	133.53	1.68	3.31	0	133.3	1.26	6	1.9	120.94	0.99	0.51	0.48	276.24	1.26	0
250	16.41	134.34	1.7	3.31	0	134.03	1.27	6	1.9	120.94	0.99	0.51	0.48	277.16	1.28	0
251	16.47	134.07	1.72	3.31	0	133.51	1.27	6	1.91	120.94	1	0.51	0.48	275.05	1.28	0
252	16.57	131.98	1.69	3.26	0	132.36	1.27	6	1.91	120.94	1	0.52	0.48	271.07	1.28	0
253	16.62	130.9	1.66	3.26	0	130.52	1.27	6	1.91	120.94	1	0.52	0.49	266.47	1.28	0
254	16.7	128.54	1.64	3.22	0	128.34	1.28	6	1.92	120.94	1.01	0.52	0.49	260.64	1.29	0
255	16.76	125.45	1.62	3.13	0	125.59	1.29	6	1.93	120.94	1.01	0.52	0.49	254.15	1.3	0
256	16.81	122.64	1.6	3.13	0	122.63	1.31	6	1.94	120.94	1.02	0.52	0.49	247.37	1.32	0
257	16.87	119.65	1.58	3.13	0	119.9	1.33	6	1.95	120.94	1.02	0.53	0.49	240.91	1.34	0
258	16.95	117.29	1.59	2.96	0	118.14	1.34	6	1.96	120.94	1.02	0.53	0.5	236.28	1.35	0
259	17	117.34	1.59	2.7	0	117.38	1.35	6	1.96	120.94	1.03	0.53	0.5	234	1.37	0
260	17.07	117.38	1.59	2.44	0	117.83	1.34	6	1.96	120.94	1.03	0.53	0.5	233.95	1.35	0
261	17.14	118.65	1.55	2.52	0	117.38	1.29	6	1.95	120.94	1.04	0.54	0.5	232.02	1.3	0
262	17.22	116.02	1.41	1.04	0	115.8	1.21	6	1.93	120.94	1.04	0.54	0.5	227.8	1.22	0
263	17.29	112.66	1.24	0.35	0	113.03	1.12	6	1.92	120.94	1.05	0.54	0.51	221.49	1.13	0
264	17.32	110.4	1.14	0.09	0	109.52	1.03	6	1.91	120.94	1.05	0.54	0.51	214.08	1.04	0
265	17.41	105.5	0.99	-0.43	0	106.34	0.98	6	1.9	120.94	1.05	0.54	0.51	206.78	0.99	-0.01
266	17.46	103.14	0.98	-1.65	0	103.21	0.98	6	1.91	120.94	1.06	0.55	0.51	200.02	0.99	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
267	17.52	101.05	1.04	-1.57	0	100.66	1.03	6	1.94	120.94	1.06	0.55	0.51	194.32	1.04	-0.01
268	17.62	97.88	1.08	-2	0	98.55	1.08	6	1.95	120.94	1.07	0.55	0.52	189.19	1.09	-0.01
269	17.66	96.79	1.06	-2	0	97.04	1.04	6	1.95	120.94	1.07	0.55	0.52	185.84	1.05	-0.01
270	17.75	96.52	0.89	-0.78	0	96.11	0.94	6	1.93	120.94	1.07	0.55	0.52	183.07	0.95	-0.01
271	17.81	95.07	0.76	-0.61	0	94.48	0.84	6	1.9	120.94	1.08	0.56	0.52	179.25	0.85	-0.01
272	17.86	91.89	0.74	-2	0	90.27	0.87	6	1.93	120.94	1.08	0.56	0.52	170.76	0.88	-0.01
273	17.94	83.91	0.85	-1.83	0	86.44	0.98	6	1.97	120.94	1.08	0.56	0.52	162.7	0.99	-0.01
274	18	83.59	0.94	-1.04	0	83.67	1.11	6	2.02	120.94	1.09	0.56	0.53	156.87	1.13	-0.01
275	18.05	83.59	1	-2.26	0	83.45	1.21	6	2.04	120.94	1.09	0.56	0.53	156.02	1.23	-0.01
276	18.13	83.27	1.09	-2.78	0	85.59	1.24	6	2.04	120.94	1.1	0.57	0.53	159.32	1.26	-0.01
277	18.19	89.99	1.1	-0.52	0	91.21	1.19	6	2.01	120.94	1.1	0.57	0.53	169.34	1.21	-0.01
278	18.25	100.42	1.07	0.09	0	100.36	1.07	6	1.95	120.94	1.1	0.57	0.53	185.99	1.08	-0.01
279	18.31	110.67	1.05	1.39	0	108.02	0.98	6	1.9	120.94	1.11	0.57	0.54	199.66	0.99	0
280	18.38	112.94	1.06	0.35	0	111.64	0.93	6	1.87	120.94	1.11	0.57	0.54	205.6	0.93	0
281	18.47	111.3	0.98	-0.35	0	111.36	0.88	6	1.86	120.94	1.12	0.58	0.54	204.07	0.89	-0.01
282	18.52	109.85	0.9	-0.61	0	109.12	0.81	6	1.84	120.94	1.12	0.58	0.54	199.31	0.82	-0.01
283	18.59	106.22	0.76	-0.74	0	106.39	0.73	6	1.82	120.94	1.12	0.58	0.54	193.63	0.74	-0.01
284	18.66	103.14	0.66	-0.74	0	103.31	0.69	6	1.82	120.94	1.13	0.58	0.55	187.17	0.7	-0.01
285	18.72	100.6	0.7	-0.87	0	99.5	0.74	6	1.85	120.94	1.13	0.58	0.55	179.67	0.75	-0.01
286	18.77	94.79	0.84	-0.09	0	94.49	0.94	6	1.93	120.94	1.13	0.59	0.55	170.07	0.95	-0.01
287	18.85	88.08	1.12	0	0	88.41	1.2	6	2.02	120.94	1.14	0.59	0.55	158.27	1.22	-0.01
288	18.91	82.37	1.22	-0.43	0	82.13	1.46	5	2.1	120.94	1.14	0.59	0.55	146.43	1.49	-0.01
289	18.98	75.93	1.27	0.17	0	77.5	1.61	5	2.15	120.94	1.15	0.59	0.56	137.53	1.63	-0.01
290	19.05	74.2	1.25	0.26	0	75.93	1.63	5	2.16	120.94	1.15	0.59	0.56	134.18	1.66	-0.01
291	19.1	77.65	1.2	0.35	0	79.59	1.5	5	2.12	120.94	1.15	0.6	0.56	140.41	1.52	-0.01
292	19.18	86.9	1.12	1.3	0	87.86	1.32	5	2.05	120.94	1.16	0.6	0.56	154.57	1.34	-0.01
293	19.25	98.97	1.16	2.35	0	96.48	1.23	6	2	120.94	1.16	0.6	0.56	169.33	1.24	-0.01
294	19.34	103.5	1.27	1.22	0	101.8	1.22	6	1.98	120.94	1.17	0.6	0.57	177.9	1.24	-0.01
295	19.36	102.87	1.3	-0.17	0	102.67	1.24	6	1.98	120.94	1.17	0.6	0.57	179.21	1.26	-0.01
296	19.43	101.6	1.26	1.13	0	101.41	1.27	6	1.99	120.94	1.18	0.61	0.57	176.33	1.28	-0.01
297	19.49	99.69	1.29	3.13	0	100.55	1.29	6	2	120.94	1.18	0.61	0.57	174.29	1.3	0
298	19.56	100.24	1.33	3.22	0	99.8	1.33	6	2.01	120.94	1.18	0.61	0.57	172.35	1.35	0
299	19.62	99.33	1.37	3.13	0	98.56	1.4	6	2.03	120.94	1.19	0.61	0.57	169.65	1.42	0
300	19.72	95.97	1.43	2.96	0	96.68	1.46	5	2.05	120.94	1.19	0.62	0.58	165.53	1.48	0
301	19.77	94.61	1.44	2.96	0	94.68	1.51	5	2.06	120.94	1.2	0.62	0.58	161.63	1.53	0
302	19.82	93.34	1.42	2.96	0	93.26	1.52	5	2.07	120.94	1.2	0.62	0.58	158.79	1.54	0
303	19.89	91.71	1.38	3.22	0	92.06	1.51	5	2.07	120.94	1.2	0.62	0.58	156.14	1.53	0
304	19.96	90.98	1.35	3.31	0	90.91	1.5	5	2.07	120.94	1.21	0.62	0.58	153.63	1.52	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
305	20.02	89.9	1.34	3.48	0	89.76	1.49	5	2.08	120.94	1.21	0.62	0.59	151.24	1.51	0
306	20.11	88.26	1.32	3.48	0	88.56	1.49	5	2.08	120.94	1.22	0.63	0.59	148.48	1.51	0
307	20.16	87.36	1.31	3.48	0	87.44	1.49	5	2.09	120.94	1.22	0.63	0.59	146.25	1.51	0
308	20.21	86.54	1.28	3.48	0	87.09	1.46	5	2.08	120.94	1.22	0.63	0.59	145.26	1.49	0
309	20.3	87.22	1.24	3.48	0	86.79	1.44	5	2.08	120.94	1.23	0.63	0.59	144.08	1.46	0
310	20.35	86.45	1.23	3.48	0	86.97	1.4	5	2.07	120.94	1.23	0.64	0.6	144.05	1.42	0
311	20.44	87.08	1.18	3.74	0	87.17	1.34	5	2.06	120.94	1.24	0.64	0.6	143.73	1.36	0
312	20.49	87.81	1.1	3.74	0	87.5	1.26	6	2.04	120.94	1.24	0.64	0.6	143.96	1.28	0
313	20.54	87.45	1.03	3.57	0	87.13	1.18	6	2.02	120.94	1.24	0.64	0.6	142.96	1.2	0
314	20.61	85.99	0.96	3.22	0	85.89	1.1	6	2.01	120.94	1.25	0.64	0.6	140.39	1.11	0
315	20.68	84.09	0.84	3.05	0	83.68	1.06	6	2	120.94	1.25	0.65	0.6	136.26	1.07	-0.01
316	20.78	80.82	0.85	2.44	0	81.49	1.05	6	2.01	120.94	1.26	0.65	0.61	132	1.06	-0.01
317	20.8	79.46	0.87	2.44	0	79.07	1.08	6	2.03	120.94	1.26	0.65	0.61	127.87	1.1	-0.01
318	20.87	76.83	0.85	2.26	0	77.29	1.13	5	2.05	120.94	1.26	0.65	0.61	124.52	1.15	-0.01
319	20.96	75.47	0.9	2.35	0	75.44	1.18	5	2.07	120.94	1.27	0.65	0.61	121.01	1.2	-0.01
320	21.01	73.93	0.93	2.52	0	75.05	1.24	5	2.09	120.94	1.27	0.66	0.61	120.05	1.27	-0.01
321	21.07	75.65	0.97	2.61	0	78.5	1.22	5	2.07	120.94	1.27	0.66	0.62	125.31	1.24	-0.01
322	21.16	85.81	0.98	3.13	0	83.56	1.15	6	2.03	120.94	1.28	0.66	0.62	132.94	1.17	-0.01
323	21.21	89.08	0.94	3.39	0	88.43	1.05	6	1.99	120.94	1.28	0.66	0.62	140.47	1.07	-0.01
324	21.27	90.26	0.88	2.7	0	90.39	0.99	6	1.96	120.94	1.29	0.66	0.62	143.24	1	-0.01
325	21.35	91.71	0.86	2	0	91.11	0.96	6	1.95	120.94	1.29	0.67	0.62	143.8	0.97	-0.01
326	21.4	91.26	0.87	1.74	0	90.88	0.94	6	1.95	120.94	1.29	0.67	0.63	143.13	0.96	-0.01
327	21.47	89.62	0.84	0.7	0	89.98	0.93	6	1.95	120.94	1.3	0.67	0.63	141.19	0.94	-0.01
328	21.54	88.99	0.8	1.48	0	89.46	0.91	6	1.94	120.94	1.3	0.67	0.63	139.91	0.92	-0.01
329	21.59	89.71	0.8	1.48	0	89.22	0.91	6	1.94	120.94	1.31	0.67	0.63	139.21	0.92	-0.01
330	21.67	88.9	0.82	1.57	0	89.49	0.93	6	1.95	120.94	1.31	0.68	0.63	139.11	0.94	-0.01
331	21.73	89.8	0.87	1.57	0	89.95	0.97	6	1.96	120.94	1.31	0.68	0.64	139.43	0.98	-0.01
332	21.79	91.07	0.92	1.65	0	89.7	1.03	6	1.97	120.94	1.32	0.68	0.64	138.71	1.05	-0.01
333	21.88	88.17	1	1.65	0	88.23	1.12	6	2	120.94	1.32	0.68	0.64	135.81	1.14	-0.01
334	21.93	85.36	1.05	2.35	0	83.94	1.26	5	2.05	120.94	1.33	0.68	0.64	128.78	1.28	-0.01
335	22	78.19	1.13	2.17	0	79.1	1.41	5	2.1	120.94	1.33	0.69	0.64	120.84	1.44	-0.01
336	22.05	73.66	1.18	2.26	0	72.93	1.6	5	2.17	120.94	1.33	0.69	0.64	111.02	1.63	-0.01
337	22.12	66.85	1.2	2.26	0	66.37	1.78	5	2.23	120.94	1.34	0.69	0.65	100.53	1.82	-0.01
338	22.21	58.51	1.17	2.26	0	59.66	2	5	2.3	120.94	1.34	0.69	0.65	89.77	2.05	-0.01
339	22.26	53.52	1.21	2.26	0	53.65	2.3	5	2.37	120.94	1.35	0.69	0.65	80.33	2.36	-0.01
340	22.31	48.8	1.32	3.05	0	49.54	2.67	5	2.44	120.94	1.35	0.7	0.65	73.85	2.74	-0.01
341	22.4	46.17	1.44	4.61	0	48.12	2.82	4	2.46	120.94	1.35	0.7	0.66	71.37	2.9	-0.01
342	22.44	49.21	1.31	5.31	0	45.6	2.81	4	2.48	120.94	1.36	0.7	0.66	67.39	2.9	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
343	22.54	41.18	1.1	6.26	0	46.75	2.42	5	2.43	120.94	1.36	0.7	0.66	68.83	2.5	-0.01
344	22.59	49.62	0.99	5.39	0	51.21	1.95	5	2.34	120.94	1.37	0.71	0.66	75.43	2.01	-0.01
345	22.64	62.59	0.91	4.96	0	60.51	1.52	5	2.21	120.94	1.37	0.71	0.66	89.3	1.56	0
346	22.73	69.03	0.86	10.18	0	71.06	1.24	5	2.1	120.94	1.37	0.71	0.66	104.8	1.26	0
347	22.78	81.28	0.87	4	0	77.61	1.13	6	2.05	120.94	1.38	0.71	0.67	114.4	1.15	0
348	22.84	82.28	0.9	2.17	0	82.16	1.11	6	2.03	120.94	1.38	0.71	0.67	120.93	1.13	-0.01
349	22.93	82.82	0.98	1.65	0	83.54	1.16	6	2.03	120.94	1.39	0.72	0.67	122.5	1.18	-0.01
350	22.98	85.45	1.03	1.48	0	85.35	1.21	6	2.04	120.94	1.39	0.72	0.67	124.93	1.23	-0.01
351	23.05	87.72	1.1	1.22	0	87.07	1.25	6	2.04	120.94	1.39	0.72	0.67	127.07	1.28	-0.01
352	23.11	87.99	1.15	-0.17	0	87.91	1.32	5	2.05	120.94	1.4	0.72	0.68	127.98	1.34	-0.01
353	23.17	87.99	1.22	0.96	0	88.07	1.38	5	2.06	120.94	1.4	0.72	0.68	127.87	1.4	-0.01
354	23.24	88.17	1.27	2.52	0	88.38	1.42	5	2.07	120.94	1.41	0.73	0.68	127.93	1.44	-0.01
355	23.31	88.9	1.28	2.44	0	89.15	1.43	5	2.07	120.94	1.41	0.73	0.68	128.67	1.46	-0.01
356	23.36	90.26	1.28	2.87	0	90.66	1.41	5	2.06	120.94	1.41	0.73	0.68	130.61	1.43	-0.01
357	23.45	92.71	1.27	2.87	0	92.9	1.37	5	2.04	120.94	1.42	0.73	0.69	133.39	1.39	-0.01
358	23.5	95.61	1.27	2.87	0	96.44	1.31	6	2.02	120.94	1.42	0.73	0.69	138.2	1.33	-0.01
359	23.57	100.87	1.25	2.87	0	99.82	1.25	6	1.99	120.94	1.43	0.74	0.69	142.73	1.27	-0.01
360	23.64	102.87	1.23	2.87	0	102.33	1.21	6	1.98	120.94	1.43	0.74	0.69	145.93	1.23	-0.01
361	23.69	103.14	1.24	2.87	0	102.28	1.23	6	1.98	120.94	1.43	0.74	0.69	145.51	1.25	-0.01
362	23.78	100.69	1.3	3.13	0	100.65	1.29	6	2	120.94	1.44	0.74	0.7	142.64	1.3	-0.01
363	23.82	97.97	1.34	3.39	0	97.47	1.35	6	2.02	120.94	1.44	0.74	0.7	137.82	1.37	-0.01
364	23.89	93.61	1.32	3.39	0	93.51	1.41	5	2.05	120.94	1.44	0.75	0.7	131.77	1.43	-0.01
365	23.97	88.81	1.29	3.39	0	89.22	1.46	5	2.07	120.94	1.45	0.75	0.7	125.17	1.49	-0.01
366	24.03	85.09	1.31	3.22	0	85.9	1.52	5	2.1	120.94	1.45	0.75	0.7	120.15	1.54	-0.01
367	24.1	83.64	1.31	3.92	0	84.67	1.57	5	2.11	120.94	1.46	0.75	0.7	118.04	1.59	-0.01
368	24.17	85.13	1.36	3.92	0	84.01	1.6	5	2.12	120.94	1.46	0.75	0.71	116.78	1.63	-0.01
369	24.21	83.09	1.37	4.26	0	84.52	1.59	5	2.12	120.94	1.46	0.76	0.71	117.26	1.62	-0.01
370	24.3	85.18	1.3	2.35	0	86.1	1.53	5	2.1	120.94	1.47	0.76	0.71	119.05	1.56	-0.01
371	24.36	89.9	1.3	1.83	0	90.32	1.45	5	2.07	120.94	1.47	0.76	0.71	124.71	1.48	-0.01
372	24.41	95.79	1.34	1.83	0	95.34	1.42	5	2.04	120.94	1.48	0.76	0.71	131.45	1.44	-0.01
373	24.48	100.24	1.43	2.61	0	98.33	1.45	5	2.04	120.94	1.48	0.76	0.72	135.24	1.47	-0.01
374	24.55	98.88	1.52	0.09	0	97.35	1.51	5	2.06	120.94	1.48	0.77	0.72	133.48	1.54	-0.01
375	24.61	92.89	1.47	-0.52	0	94.45	1.54	5	2.07	120.94	1.49	0.77	0.72	129.13	1.56	-0.01
376	24.68	91.62	1.36	-1.3	0	92.09	1.52	5	2.07	120.94	1.49	0.77	0.72	125.51	1.54	-0.01
377	24.74	91.8	1.36	-1.65	0	92.42	1.47	5	2.06	120.94	1.5	0.77	0.72	125.62	1.49	-0.01
378	24.84	93.89	1.36	-1.22	0	93.5	1.45	5	2.06	120.94	1.5	0.78	0.73	126.62	1.48	-0.01
379	24.89	94.88	1.36	-1.04	0	94.72	1.44	5	2.05	120.94	1.5	0.78	0.73	128.06	1.47	-0.01
380	24.94	95.43	1.38	-0.96	0	95.14	1.44	5	2.05	120.94	1.51	0.78	0.73	128.38	1.46	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
381	25.03	95.16	1.36	-0.87	0	95.24	1.43	5	2.05	120.94	1.51	0.78	0.73	128.03	1.45	-0.01
382	25.08	95.16	1.33	-0.7	0	95.15	1.4	5	2.04	120.94	1.52	0.78	0.73	127.65	1.43	-0.01
383	25.14	95.16	1.32	-0.7	0	95.15	1.39	5	2.04	120.94	1.52	0.78	0.74	127.31	1.41	-0.01
384	25.23	95.16	1.32	-1.13	0	95.32	1.38	5	2.04	120.94	1.53	0.79	0.74	127.11	1.4	-0.01
385	25.27	95.7	1.31	-1.3	0	95.96	1.37	6	2.03	120.94	1.53	0.79	0.74	127.77	1.39	-0.01
386	25.36	97.06	1.32	-0.26	0	96.78	1.35	6	2.02	120.94	1.53	0.79	0.74	128.4	1.37	-0.01
387	25.42	97.61	1.28	-0.26	0	97.63	1.32	6	2.02	120.94	1.54	0.79	0.74	129.25	1.34	-0.01
388	25.46	98.24	1.27	-0.78	0	98.27	1.31	6	2.01	120.94	1.54	0.79	0.74	129.88	1.33	-0.01
389	25.54	98.97	1.32	-0.3	0	99.02	1.33	6	2.01	120.94	1.54	0.8	0.75	130.51	1.35	-0.01
390	25.61	99.87	1.35	0.26	0	99.84	1.31	6	2.01	120.94	1.55	0.8	0.75	131.24	1.34	-0.01
391	25.66	100.69	1.27	-0.35	0	100.72	1.25	6	1.99	120.94	1.55	0.8	0.75	132.1	1.27	-0.01
392	25.72	101.6	1.17	-0.7	0	101.32	1.18	6	1.97	120.94	1.56	0.8	0.75	132.6	1.2	-0.01
393	25.79	101.69	1.15	-0.61	0	101.53	1.14	6	1.96	120.94	1.56	0.81	0.75	132.5	1.16	-0.01
394	25.89	101.32	1.15	-0.52	0	101.61	1.13	6	1.96	120.94	1.57	0.81	0.76	132.11	1.15	-0.01
395	25.94	101.87	1.15	-2.26	0	101.44	1.13	6	1.96	120.94	1.57	0.81	0.76	131.65	1.15	-0.01
396	25.98	101.14	1.14	2.67	0	100.69	1.13	6	1.96	120.94	1.57	0.81	0.76	130.41	1.14	-0.01
397	26.08	98.97	1.11	5.92	0	99.76	1.12	6	1.96	120.94	1.58	0.81	0.76	128.7	1.14	0
398	26.12	98.97	1.1	5.92	0	99.15	1.12	6	1.96	120.94	1.58	0.82	0.76	127.7	1.13	0
399	26.18	99.24	1.1	6.61	0	99.15	1.11	6	1.96	120.94	1.58	0.82	0.77	127.41	1.13	0
400	26.27	98.97	1.1	6.44	0	99.42	1.11	6	1.96	120.94	1.59	0.82	0.77	127.3	1.13	0
401	26.32	99.78	1.1	6.61	0	99.79	1.09	6	1.95	120.94	1.59	0.82	0.77	127.53	1.11	0
402	26.4	100.33	1.07	6.09	0	100.81	1.07	6	1.95	120.94	1.6	0.82	0.77	128.5	1.09	0
403	26.46	102.05	1.08	6.61	0	102.63	1.04	6	1.93	120.94	1.6	0.83	0.77	130.52	1.06	0
404	26.52	105.23	1.06	6.87	0	106.08	1.03	6	1.92	120.94	1.6	0.83	0.78	134.7	1.04	0
405	26.59	110.67	1.13	5.83	0	109.55	1.05	6	1.91	120.94	1.61	0.83	0.78	138.77	1.07	0
406	26.66	112.48	1.27	5.13	0	110.62	1.19	6	1.94	120.94	1.61	0.83	0.78	139.77	1.2	0
407	26.75	108.49	1.54	3.74	0	106.98	1.4	6	2	120.94	1.62	0.84	0.78	134.67	1.43	-0.01
408	26.79	99.78	1.7	3.74	0	98.81	1.72	5	2.09	120.94	1.62	0.84	0.78	124.04	1.75	-0.01
409	26.85	87.99	1.87	3.92	0	84.9	2.11	5	2.2	120.94	1.62	0.84	0.79	106.04	2.15	-0.01
410	26.94	66.76	1.82	3.74	0	71.65	2.51	5	2.3	120.94	1.63	0.84	0.79	88.87	2.57	-0.01
411	26.99	60.05	1.72	3.57	0	61.04	2.8	5	2.39	120.94	1.63	0.84	0.79	75.25	2.87	-0.01
412	27.04	56.15	1.59	4	0	57.51	2.73	5	2.4	120.94	1.64	0.84	0.79	70.64	2.81	-0.01
413	27.13	56.11	1.41	8.01	0	56.22	2.54	5	2.38	120.94	1.64	0.85	0.79	68.78	2.61	-0.01
414	27.18	56.06	1.28	11.66	0	62.29	1.97	5	2.28	120.94	1.64	0.85	0.79	76.28	2.03	0
415	27.25	74.2	1	14.27	0	73.02	1.41	5	2.13	120.94	1.65	0.85	0.8	89.53	1.44	0
416	27.32	88.26	0.81	10.62	0	87.21	1	6	1.98	120.94	1.65	0.85	0.8	107.06	1.02	0
417	27.38	98.69	0.82	9.05	0	97.89	0.87	6	1.9	120.94	1.66	0.85	0.8	120.19	0.89	0
418	27.45	106.4	0.94	3.39	0	104.26	0.89	6	1.88	120.94	1.66	0.86	0.8	127.81	0.91	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
419	27.52	107.49	1.03	1.39	0	106.19	0.98	6	1.9	120.94	1.66	0.86	0.8	129.87	0.99	-0.01
420	27.57	104.59	1.15	0.61	0	103.03	1.15	6	1.96	120.94	1.67	0.86	0.81	125.71	1.17	-0.01
421	27.65	96.97	1.39	0.35	0	98.88	1.33	6	2.01	120.94	1.67	0.86	0.81	120.21	1.35	-0.01
422	27.71	95.07	1.4	0.43	0	96.5	1.41	5	2.04	120.94	1.68	0.87	0.81	117	1.44	-0.01
423	27.76	97.42	1.3	1.04	0	96.95	1.28	6	2.01	120.94	1.68	0.87	0.81	117.34	1.31	-0.01
424	27.85	98.33	1.03	0.7	0	97.13	1.15	6	1.98	120.94	1.68	0.87	0.81	117.16	1.17	-0.01
425	27.9	95.61	1.02	0.52	0	95.55	1.09	6	1.97	120.94	1.69	0.87	0.82	115.01	1.11	-0.01
426	27.97	92.71	1.07	-1.04	0	94.82	1.14	6	1.98	120.94	1.69	0.87	0.82	113.84	1.16	-0.01
427	28.02	96.15	1.15	-1.04	0	98.22	1.13	6	1.97	120.94	1.69	0.87	0.82	117.77	1.15	-0.01
428	28.09	105.86	1.11	-1.13	0	105.33	1.02	6	1.92	120.94	1.7	0.88	0.82	126.12	1.03	-0.01
429	28.17	114.02	0.96	-0.87	0	111.22	0.88	6	1.86	120.94	1.7	0.88	0.82	132.91	0.9	-0.01
430	28.22	113.84	0.88	-2.44	0	113.33	0.74	6	1.81	120.94	1.71	0.88	0.83	135.24	0.75	-0.01
431	28.3	112.21	0.69	-2.61	0	112.51	0.67	6	1.78	120.94	1.71	0.88	0.83	133.87	0.68	-0.01
432	28.37	111.58	0.69	-2.87	0	111.75	0.62	6	1.77	120.94	1.72	0.89	0.83	132.58	0.63	-0.01
433	28.43	111.58	0.69	-2.52	0	111.35	0.64	6	1.78	120.94	1.72	0.89	0.83	131.86	0.65	-0.01
434	28.5	111.03	0.76	-3.57	0	110.99	0.69	6	1.8	120.94	1.72	0.89	0.83	131.07	0.7	-0.01
435	28.57	110.49	0.85	-2.52	0	110.23	0.76	6	1.82	120.94	1.73	0.89	0.84	129.84	0.77	-0.01
436	28.62	109.31	0.9	-3.22	0	109.48	0.81	6	1.84	120.94	1.73	0.89	0.84	128.73	0.82	-0.01
437	28.69	108.76	0.92	-2.52	0	108.78	0.84	6	1.85	120.94	1.73	0.9	0.84	127.56	0.85	-0.01
438	28.76	108.4	0.92	-2.52	0	108.11	0.86	6	1.86	120.94	1.74	0.9	0.84	126.46	0.87	-0.01
439	28.81	107.31	0.95	-3.65	0	106.54	0.89	6	1.87	120.94	1.74	0.9	0.84	124.37	0.9	-0.01
440	28.9	104.05	0.96	-3.31	0	104.42	0.91	6	1.89	120.94	1.75	0.9	0.85	121.47	0.93	-0.01
441	28.95	102.05	0.94	-2.87	0	101.56	0.89	6	1.89	120.94	1.75	0.9	0.85	117.85	0.9	-0.01
442	29.03	98.69	0.79	-1.91	0	99.35	0.81	6	1.87	120.94	1.76	0.91	0.85	114.94	0.82	-0.01
443	29.09	97.42	0.67	-2	0	97.54	0.73	6	1.85	120.94	1.76	0.91	0.85	112.58	0.74	-0.01
444	29.14	96.61	0.67	-3.13	0	96.36	0.7	6	1.85	120.94	1.76	0.91	0.85	110.97	0.71	-0.01
445	29.2	95.16	0.69	-2.61	0	95.12	0.73	6	1.86	120.94	1.77	0.91	0.85	109.3	0.75	-0.01
446	29.29	93.71	0.73	-2.61	0	93.62	0.78	6	1.88	120.94	1.77	0.91	0.86	107.23	0.79	-0.01
447	29.33	92.07	0.76	-0.1	0	91.32	0.83	6	1.91	120.94	1.77	0.92	0.86	104.36	0.84	-0.01
448	29.43	88.17	0.77	2.61	0	88.89	0.87	6	1.93	120.94	1.78	0.92	0.86	101.21	0.89	-0.01
449	29.47	86.36	0.79	2.52	0	84.97	0.93	6	1.97	120.94	1.78	0.92	0.86	96.52	0.95	-0.01
450	29.54	80.28	0.81	2.78	0	81.13	0.99	6	2	120.94	1.79	0.92	0.86	91.82	1.01	-0.01
451	29.61	76.65	0.81	2.52	0	76.69	1.04	6	2.03	120.94	1.79	0.92	0.87	86.49	1.07	-0.01
452	29.67	73.02	0.78	2.52	0	73.57	1.05	6	2.05	120.94	1.79	0.93	0.87	82.72	1.08	-0.01
453	29.73	70.94	0.73	2.87	0	71.52	1.02	6	2.05	120.94	1.8	0.93	0.87	80.18	1.05	-0.01
454	29.8	70.48	0.69	3.39	0	71.14	1	6	2.05	120.94	1.8	0.93	0.87	79.55	1.03	-0.01
455	29.86	71.84	0.71	3.92	0	71.32	1.02	6	2.05	120.94	1.81	0.93	0.87	79.6	1.04	-0.01
456	29.95	71.48	0.77	4.44	0	71.15	1.06	5	2.06	120.94	1.81	0.94	0.88	79.15	1.09	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	Depth (ft)	qc (tsf)	fs (tsf)	u (psi)	Other	qt (tsf)	Rf(%)	SBT	Ic SBT	γ (pcf)	σ,v (tsf)	u0 (tsf)	σ',vo (tsf)	Qt1	Fr (%)	Bq
457	30	69.94	0.79	4.61	0	69.07	1.16	5	2.09	120.94	1.81	0.94	0.88	76.64	1.19	-0.01
458	30.09	65.58	0.83	4.53	0	66.25	1.24	5	2.13	120.94	1.82	0.94	0.88	73.2	1.28	-0.01
459	30.13	63.04	0.85	4.48	0	63.17	1.33	5	2.16	120.94	1.82	0.94	0.88	69.6	1.37	-0.01
460	30.19	60.69	0.85	4.48	0	60.3	1.38	5	2.19	120.94	1.83	0.94	0.88	66.22	1.43	-0.01
461	30.28	56.97	0.81	4.44	0	57.91	1.43	5	2.21	120.94	1.83	0.95	0.89	63.32	1.48	-0.01
462	30.33	55.88	0.83	4.87	0	55.92	1.47	5	2.23	120.94	1.83	0.95	0.89	60.96	1.52	-0.01
463	30.39	54.7	0.82	6	0	54.94	1.48	5	2.24	120.94	1.84	0.95	0.89	59.73	1.53	-0.01
464	30.48	53.97	0.79	7.4	0	53.83	1.48	5	2.25	120.94	1.84	0.95	0.89	58.32	1.53	-0.01
465	30.52	52.52	0.77	8.35	0	52.09	1.49	5	2.26	120.94	1.85	0.95	0.89	56.28	1.54	-0.01
466	30.6	49.44	0.76	8.79	0	50.23	1.49	5	2.27	120.94	1.85	0.96	0.9	54.05	1.54	-0.01
467	30.66	48.35	0.7	8.96	0	48.91	1.49	5	2.28	120.94	1.85	0.96	0.9	52.46	1.54	-0.01
468	30.71	48.53	0.72	10.35	0	49.56	1.59	5	2.29	120.94	1.86	0.96	0.9	53.09	1.65	0
469	30.8	51.34	0.95	11.75	0	50.99	1.82	5	2.32	120.94	1.86	0.96	0.9	54.54	1.89	0
470	30.86	52.61	1.12	12.27	0	52.12	2.06	5	2.35	120.94	1.87	0.96	0.9	55.68	2.14	0
471	30.96	51.89	1.16	13.05	0	51.95	2.2	5	2.37	120.94	1.87	0.97	0.91	55.3	2.28	0
472	31	50.8	1.15	12.27	0	51.39	2.25	5	2.38	120.94	1.87	0.97	0.91	54.6	2.33	0
473	31.05	50.93	1.16	12.88	0	51.07	2.28	5	2.38	120.94	1.88	0.97	0.91	54.17	2.37	0
474	31.14	50.93	1.19	13.57	0	51.21	2.29	5	2.38	120.94	1.88	0.97	0.91	54.14	2.37	0
475	31.18	51.07	1.17	21.14	0	53.1	2.16	5	2.35	120.94	1.89	0.97	0.91	56.16	2.24	0.01
476	31.23	56.51	1.08	20.19	0	58.6	1.8	5	2.27	120.94	1.89	0.98	0.91	62.08	1.86	0
477	31.32	67.49	0.92	10.18	0	65.65	1.46	5	2.17	120.94	1.89	0.98	0.92	69.58	1.5	0
478	31.38	72.39	0.87	7.83	0	72.13	1.21	5	2.09	120.94	1.9	0.98	0.92	76.51	1.24	-0.01
479	31.46	76.2	0.82	4.53	0	75.69	1.11	5	2.05	120.94	1.9	0.98	0.92	80.2	1.13	-0.01
480	31.5	78.28	0.82	2.44	0	78.38	1.05	6	2.02	120.94	1.91	0.98	0.92	82.99	1.07	-0.01
481	31.57	80.55	0.82	1.48	0	80.55	1.03	6	2.01	120.94	1.91	0.99	0.92	85.15	1.06	-0.01
482	31.64	82.73	0.86	1.48	0	81.96	1.07	6	2.01	120.94	1.91	0.99	0.93	86.5	1.09	-0.01
483	31.72	82.55	0.95	1.13	0	81.99	1.13	6	2.03	120.94	1.92	0.99	0.93	86.31	1.16	-0.01
484	31.77	80.64	0.98	1.22	0	79.82	1.21	5	2.06	120.94	1.92	0.99	0.93	83.83	1.24	-0.01
485	31.86	76.2	0.98	1.57	0	76.83	1.27	5	2.08	120.94	1.93	0.99	0.93	80.37	1.31	-0.01
486	31.91	73.57	0.98	2.35	0	72.06	1.38	5	2.13	120.94	1.93	1	0.93	75.14	1.42	-0.01
487	32	66.31	1.03	3.65	0	67.66	1.51	5	2.17	120.94	1.94	1	0.94	70.21	1.55	-0.01
488	32.05	62.95	1.05	3.83	0	63.07	1.62	5	2.22	120.94	1.94	1	0.94	65.21	1.67	-0.01
489	32.1	59.78	0.99	3.74	0	59.56	1.58	5	2.23	120.94	1.94	1	0.94	61.37	1.64	-0.01
490	32.2	55.79	0.8	3.65	0	56.87	1.47	5	2.23	120.94	1.95	1.01	0.94	58.32	1.53	-0.01
491	32.24	54.88	0.73	4.53	0	55.64	1.31	5	2.2	120.94	1.95	1.01	0.94	56.94	1.36	-0.01
492	32.29	56.06	0.66	4.79	0	57.73	1.12	5	2.15	120.94	1.95	1.01	0.94	59.07	1.16	-0.01
493	32.38	62.05	0.56	5.31	0	61.28	0.97	5	2.09	120.94	1.96	1.01	0.95	62.63	1	-0.01
494	32.43	65.49	0.57	5.83	0	65.47	0.9	6	2.05	120.94	1.96	1.01	0.95	66.96	0.92	-0.01

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data					Basic output data										
No	Depth (ft)	qc (tsf)	fs (tsf)	u (psi)	Other	qt (tsf)	Rf(%)	SBT	Ic SBT	γ (pcf)	σ,v (tsf)	u0 (tsf)	σ',vo (tsf)	Qt1	Fr (%)	Bq
495	32.51	68.67	0.63	3.22	0	67.71	0.93	6	2.05	120.94	1.97	1.01	0.95	69.14	0.96	-0.01
496	32.57	68.76	0.69	5.87	0	67.88	1	5	2.06	120.94	1.97	1.02	0.95	69.18	1.03	-0.01
497	32.63	65.95	0.72	8.44	0	67.04	1.06	5	2.08	120.94	1.97	1.02	0.95	68.18	1.09	-0.01
498	32.68	66.13	0.73	5.92	0	66.07	1.09	5	2.1	120.94	1.98	1.02	0.96	67.06	1.13	-0.01
499	32.75	65.86	0.72	5.39	0	66.24	1.11	5	2.1	120.94	1.98	1.02	0.96	67.08	1.14	-0.01
500	32.83	66.49	0.75	5.57	0	66.73	1.13	5	2.1	120.94	1.98	1.02	0.96	67.43	1.17	-0.01
501	32.88	67.58	0.78	6.18	0	67.97	1.16	5	2.1	120.94	1.99	1.03	0.96	68.62	1.19	-0.01
502	32.95	69.58	0.82	6.18	0	69.64	1.18	5	2.1	120.94	1.99	1.03	0.96	70.19	1.21	-0.01
503	33.02	71.48	0.85	6.53	0	71.61	1.2	5	2.09	120.94	2	1.03	0.97	72.09	1.23	-0.01
504	33.11	73.48	0.9	7.74	0	73.13	1.23	5	2.09	120.94	2	1.03	0.97	73.44	1.26	-0.01
505	33.16	74.11	0.93	7.92	0	74.38	1.26	5	2.09	120.94	2.01	1.04	0.97	74.62	1.29	-0.01
506	33.2	75.2	0.97	8.18	0	75.83	1.28	5	2.09	120.94	2.01	1.04	0.97	76.01	1.31	-0.01
507	33.29	77.83	1	8.7	0	77.26	1.28	5	2.08	120.94	2.01	1.04	0.97	77.27	1.32	-0.01
508	33.34	78.37	1	8.79	0	78.2	1.28	5	2.08	120.94	2.02	1.04	0.98	78.12	1.32	-0.01
509	33.4	78.01	1	9.22	0	78.02	1.3	5	2.08	120.94	2.02	1.04	0.98	77.79	1.33	-0.01
510	33.49	77.29	1.03	9.31	0	77.48	1.33	5	2.09	120.94	2.03	1.05	0.98	77.03	1.37	-0.01
511	33.54	76.74	1.07	9.22	0	76.6	1.42	5	2.12	120.94	2.03	1.05	0.98	76.01	1.46	-0.01
512	33.63	75.38	1.16	8.01	0	75.41	1.52	5	2.14	120.94	2.03	1.05	0.98	74.6	1.56	-0.01
513	33.68	73.75	1.21	7.48	0	73.5	1.63	5	2.17	120.94	2.04	1.05	0.99	72.53	1.68	-0.01
514	33.73	71.03	1.23	7.48	0	70.47	1.73	5	2.2	120.94	2.04	1.05	0.99	69.36	1.78	-0.01
515	33.8	66.31	1.21	7.48	0	69.32	1.78	5	2.21	120.94	2.04	1.06	0.99	68.06	1.83	-0.01
516	33.87	70.3	1.26	7.48	0	66.99	1.81	5	2.23	120.94	2.05	1.06	0.99	65.55	1.87	-0.01
517	33.93	64.04	1.17	8.01	0	68.09	1.72	5	2.21	120.94	2.05	1.06	0.99	66.54	1.77	-0.01
518	34.02	69.58	1.08	8.35	0	69.7	1.59	5	2.18	120.94	2.06	1.06	0.99	67.98	1.63	-0.01
519	34.06	75.11	1.06	8.88	0	72.69	1.47	5	2.14	120.94	2.06	1.06	1	70.9	1.51	-0.01
520	34.15	73.11	1.06	1.65	0	73.04	1.46	5	2.14	120.94	2.07	1.07	1	71.05	1.5	-0.01
521	34.19	70.76	1.07	0.09	0	70.95	1.5	5	2.16	120.94	2.07	1.07	1	68.89	1.54	-0.01
522	34.26	68.94	1.06	1.7	0	68.11	1.57	5	2.18	120.94	2.07	1.07	1	65.9	1.62	-0.02
523	34.32	64.59	1.08	1.13	0	64.64	1.68	5	2.22	120.94	2.08	1.07	1	62.32	1.74	-0.02
524	34.39	60.32	1.12	1.74	0	59.81	1.88	5	2.28	120.94	2.08	1.07	1.01	57.39	1.95	-0.02
525	34.45	54.43	1.18	2.78	0	54.9	2.36	5	2.37	120.94	2.08	1.08	1.01	52.4	2.46	-0.02
526	34.53	49.8	1.59	5.05	0	51.47	3.04	4	2.47	120.94	2.09	1.08	1.01	48.89	3.17	-0.01
527	34.58	49.94	1.92	9.4	0	50.11	3.63	4	2.53	120.94	2.09	1.08	1.01	47.47	3.79	0
528	34.65	49.94	1.95	30.89	0	50.34	3.82	4	2.54	120.94	2.1	1.08	1.01	47.61	3.99	0.02
529	34.73	50.07	1.9	34.98	0	50.95	3.89	4	2.54	120.94	2.1	1.08	1.02	48.09	4.06	0.02
530	34.78	51.52	2.1	26.63	0	57.51	3.57	4	2.48	120.94	2.1	1.09	1.02	54.46	3.71	0.02
531	34.86	69.58	2.16	32.11	0	76.13	2.76	5	2.32	120.94	2.11	1.09	1.02	72.59	2.84	0.01
532	34.91	106.22	2.05	14.88	0	109.55	1.9	5	2.09	120.94	2.11	1.09	1.02	105.22	1.94	0

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	In situ data					Basic output data										
No	**Depth (ft)**	**qc (tsf)**	**fs (tsf)**	**u (psi)**	**Other**	**qt (tsf)**	**Rf(%)**	**SBT**	**Ic SBT**	**γ (pcf)**	**σ,v (tsf)**	**u0 (tsf)**	**σ',vo (tsf)**	**Qt1**	**Fr (%)**	**Bq**
533	34.97	152.03	2.04	9.57	0	180.67	1.13	6	1.78	120.94	2.11	1.09	1.02	174.54	1.15	0
534	35.07	283.47	2.05	-4.96	0	241.43	0.83	6	1.59	120.94	2.12	1.09	1.03	233.32	0.84	0
535	35.12	288.82	1.93	-6.09	0	244.74	0.8	6	1.58	120.94	2.12	1.1	1.03	236.2	0.81	-0.01
536	35.18	162.1	1.92	0.17	0	206.4	1	6	1.7	120.94	2.13	1.1	1.03	198.53	1.01	-0.01
537	35.26	168.36	2.33	0.17	0	171.51	1.32	6	1.84	120.94	2.13	1.1	1.03	164.23	1.34	-0.01
538	35.31	184.05	2.56	0.35	0	186.63	1.25	6	1.8	120.94	2.13	1.1	1.03	178.65	1.27	-0.01
539	35.39	207.55	2.12	-5.74	0	205.89	1.09	6	1.72	120.94	2.14	1.1	1.04	196.82	1.1	-0.01
540	35.45	226.14	2.03	0.35	0	217.7	0.64	6	1.54	120.94	2.14	1.11	1.04	207.9	0.64	-0.01
541	35.5	219.52	0	-2	0	219.33	0.31	6	1.35	120.94	2.15	1.11	1.04	209.16	0.31	-0.01
542	35.59	212.36	0	0.35	0	212.21	0	0	0	120.94	2.15	1.11	1.04	201.76	0	-0.01
543	35.64	204.83	0	-3.04	0	212.69	0	0	0	120.94	2.16	1.11	1.04	201.96	0	-0.01
544	35.7	220.97	0	-3.92	0	216.96	0	0	0	120.94	2.16	1.11	1.04	205.71	0	-0.01
545	35.77	225.24	0	-4.35	0	235.66	0	0	0	120.94	2.16	1.12	1.05	223.17	0	-0.01
546	35.83	260.98	0	-7.22	0	248.98	0	0	0	120.94	2.17	1.12	1.05	235.48	0	-0.01

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
1	0	1	415.8	0	-1.41	2.21	-184.18	1	N/A	Clay-like - Contractive - Sensitive
2	0	1	254.75	0	-1.77	0.44	33.95	1	N/A	Clay-like - Contractive - Sensitive
3	0	1	166.7	0	-1.94	-0.41	10.29	0	N/A	N/A
4	3	1	126.93	3.22	12.48	-0.32	12.35	3	Clay	Clay-like - Dilative
5	3	1	107.98	3.11	25.57	-0.64	8.83	2	Clay	Clay-like - Contractive
6	3	0.92	59.16	2.81	39.03	-0.9	13.63	3	Clay	Clay-like - Dilative
7	4	0.79	31	2.47	49.66	-1.07	26.11	5	Clay & silty clay	Transitional - Dilative
8	5	0.71	19.17	2.24	51.99	-1.07	41.98	7	Silty sand & sandy silt	Sand like - Dilative
9	6	0.63	13.12	2.04	56.17	-1.07	58.61	7	Sand & silty sand	Sand like - Dilative
10	6	0.61	11.47	1.98	64.17	-0.75	63.85	7	Sand & silty sand	Sand like - Dilative
11	6	0.6	10.44	1.96	69.74	0.02	65.86	7	Sand & silty sand	Sand like - Dilative
12	6	0.61	10.08	1.98	70.74	-0.01	62.88	7	Sand & silty sand	Sand like - Dilative
13	6	0.61	9.84	2.01	68.48	-0.23	60.36	7	Sand & silty sand	Sand like - Dilative
14	6	0.62	9.51	2.03	63.39	-0.84	59.27	7	Sand & silty sand	Sand like - Dilative
15	6	0.62	9.34	2.04	58.71	-0.78	59.09	7	Sand & silty sand	Sand like - Dilative
16	6	0.63	9.23	2.05	54.07	-0.73	58.13	7	Sand & silty sand	Sand like - Dilative
17	5	0.64	9.22	2.09	50.3	-0.69	55.41	7	Silty sand & sandy silt	Sand like - Dilative
18	5	0.67	9.95	2.16	44.88	-0.59	49.8	7	Silty sand & sandy silt	Sand like - Dilative
19	5	0.71	10.68	2.24	39.55	-0.68	44.81	7	Silty sand & sandy silt	Sand like - Dilative
20	5	0.74	11.43	2.32	35.43	-0.85	40.41	7	Silty sand & sandy silt	Sand like - Dilative
21	5	0.73	10.99	2.31	34.65	-1.12	41.19	7	Silty sand & sandy silt	Sand like - Dilative
22	5	0.74	10.59	2.32	32.1	-1.16	40.91	6	Silty sand & sandy silt	Sand-like - Contractive
23	5	0.73	10.12	2.29	30.94	-1.11	42.23	6	Silty sand & sandy silt	Sand-like - Contractive
24	5	0.72	9.56	2.27	29.47	-1.07	43.14	6	Silty sand & sandy silt	Sand-like - Contractive
25	5	0.7	8.73	2.23	29.36	-1.07	45.45	6	Silty sand & sandy silt	Sand-like - Contractive
26	5	0.69	8.18	2.19	28.9	-1.11	47.09	6	Silty sand & sandy silt	Sand-like - Contractive
27	5	0.69	7.97	2.19	28.11	-1.07	46.48	6	Silty sand & sandy silt	Sand-like - Contractive
28	5	0.7	7.94	2.21	28.21	-1.11	45.79	6	Silty sand & sandy silt	Sand-like - Contractive
29	5	0.69	7.64	2.19	31.71	-1.03	47.68	6	Silty sand & sandy silt	Sand-like - Contractive
30	5	0.68	7.16	2.16	36.65	-1.07	50.05	6	Silty sand & sandy silt	Sand-like - Contractive
31	5	0.66	6.72	2.12	42.45	-1	52.93	6	Silty sand & sandy silt	Sand-like - Contractive
32	5	0.66	6.42	2.1	45.64	-1	54.29	6	Silty sand & sandy silt	Sand-like - Contractive
33	5	0.65	6.11	2.08	49.2	-0.97	56.35	7	Silty sand & sandy silt	Sand like - Dilative
34	5	0.65	6.13	2.09	50.94	-0.97	54.71	7	Silty sand & sandy silt	Sand like - Dilative
35	5	0.65	6.05	2.11	54.16	-1.04	52.55	7	Silty sand & sandy silt	Sand like - Dilative
36	5	0.66	5.98	2.12	57.07	-1.4	51.35	7	Silty sand & sandy silt	Sand like - Dilative
37	5	0.64	5.7	2.09	60.6	-1.77	53.78	7	Silty sand & sandy silt	Sand like - Dilative
38	6	0.63	5.4	2.06	62.57	-1.97	56.32	7	Sand & silty sand	Sand like - Dilative

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Parking Lot Data Gap Program
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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
39	5	0.65	5.51	2.09	63.07	-1.84	53.19	7	Silty sand & sandy silt	Sand like - Dilative
40	5	0.65	5.48	2.1	64.88	-1.76	50.99	7	Silty sand & sandy silt	Sand like - Dilative
41	5	0.67	5.67	2.15	63.87	-1.72	46.95	7	Silty sand & sandy silt	Sand like - Dilative
42	5	0.66	5.48	2.13	65.52	-1.82	48.53	7	Silty sand & sandy silt	Sand like - Dilative
43	5	0.67	5.48	2.14	65.1	-1.77	47.2	7	Silty sand & sandy silt	Sand like - Dilative
44	5	0.67	5.41	2.14	66.68	-1.83	46.64	7	Silty sand & sandy silt	Sand like - Dilative
45	5	0.67	5.35	2.14	66.69	-1.84	46.52	7	Silty sand & sandy silt	Sand like - Dilative
46	5	0.66	5.14	2.12	64.06	-1.9	49.87	7	Silty sand & sandy silt	Sand like - Dilative
47	5	0.64	4.78	2.06	60.04	-1.88	56.23	7	Silty sand & sandy silt	Sand like - Dilative
48	6	0.61	4.48	2	57.52	-1.85	62.43	7	Sand & silty sand	Sand like - Dilative
49	6	0.6	4.28	1.97	58.44	-1.81	65.29	7	Sand & silty sand	Sand like - Dilative
50	6	0.6	4.2	1.96	62.79	-1.79	66.21	7	Sand & silty sand	Sand like - Dilative
51	6	0.6	4.17	1.96	68.5	-1.82	65.17	7	Sand & silty sand	Sand like - Dilative
52	6	0.6	4.12	1.96	73.39	-1.73	64.34	7	Sand & silty sand	Sand like - Dilative
53	6	0.6	4.05	1.96	76.66	-1.6	64.49	7	Sand & silty sand	Sand like - Dilative
54	6	0.6	4.08	1.97	74.99	-1.21	62.84	7	Sand & silty sand	Sand like - Dilative
55	6	0.61	4.09	1.99	71.81	-0.79	61.01	7	Sand & silty sand	Sand like - Dilative
56	6	0.63	4.25	2.05	65.77	-0.53	56.65	7	Sand & silty sand	Sand like - Dilative
57	6	0.64	4.21	2.05	62.23	-0.48	56.51	7	Sand & silty sand	Sand like - Dilative
58	6	0.64	4.17	2.05	58.6	-0.54	57.61	7	Sand & silty sand	Sand like - Dilative
59	6	0.62	3.99	2.01	57.12	-0.55	61.83	7	Sand & silty sand	Sand like - Dilative
60	6	0.6	3.82	1.97	56.59	-0.52	65.65	7	Sand & silty sand	Sand like - Dilative
61	6	0.6	3.71	1.95	57.95	-0.46	67.56	7	Sand & silty sand	Sand like - Dilative
62	6	0.58	3.59	1.92	62.89	-0.38	70.7	7	Sand & silty sand	Sand like - Dilative
63	6	0.57	3.46	1.89	68.4	-0.3	73.78	7	Sand & silty sand	Sand like - Dilative
64	6	0.56	3.36	1.86	74.72	-0.19	76.32	7	Sand & silty sand	Sand like - Dilative
65	6	0.56	3.34	1.86	80.02	-0.03	75.79	7	Sand & silty sand	Sand like - Dilative
66	6	0.56	3.28	1.85	86.28	0.12	75.94	7	Sand & silty sand	Sand like - Dilative
67	6	0.56	3.22	1.84	93.93	0.29	76.59	7	Sand & silty sand	Sand like - Dilative
68	6	0.55	3.16	1.82	103.36	0.45	76.52	7	Sand & silty sand	Sand like - Dilative
69	6	0.55	3.15	1.82	116.86	0.6	73.4	7	Sand & silty sand	Sand like - Dilative
70	6	0.55	3.11	1.82	129.84	0.67	70.86	7	Sand & silty sand	Sand like - Dilative
71	6	0.54	3.05	1.8	141.39	0.81	71.03	7	Sand & silty sand	Sand like - Dilative
72	6	0.54	2.97	1.78	147.74	0.82	73.48	7	Sand & silty sand	Sand like - Dilative
73	6	0.53	2.9	1.76	150.85	0.83	76.08	7	Sand & silty sand	Sand like - Dilative
74	6	0.52	2.84	1.74	157.01	0.86	78.37	7	Sand & silty sand	Sand like - Dilative
75	6	0.51	2.79	1.72	164.53	0.96	79.43	7	Sand & silty sand	Sand like - Dilative
76	6	0.51	2.71	1.7	175.82	1	81.43	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
77	6	0.5	2.66	1.68	184.88	1.02	83.26	7	Sand & silty sand	Sand like - Dilative
78	6	0.49	2.62	1.66	190.49	0.98	84.85	7	Sand & silty sand	Sand like - Dilative
79	6	0.49	2.58	1.66	191.75	0.89	85.93	7	Sand & silty sand	Sand like - Dilative
80	6	0.5	2.62	1.68	183.26	0.79	82.2	7	Sand & silty sand	Sand like - Dilative
81	6	0.52	2.68	1.73	170.79	0.83	76.98	7	Sand & silty sand	Sand like - Dilative
82	6	0.53	2.75	1.77	159.39	0.88	72.53	7	Sand & silty sand	Sand like - Dilative
83	6	0.53	2.74	1.77	155.76	0.92	73.34	7	Sand & silty sand	Sand like - Dilative
84	6	0.52	2.68	1.75	153.97	0.86	77.37	7	Sand & silty sand	Sand like - Dilative
85	6	0.52	2.64	1.74	149.12	0.85	80.24	7	Sand & silty sand	Sand like - Dilative
86	6	0.52	2.62	1.73	143.09	0.8	82.87	7	Sand & silty sand	Sand like - Dilative
87	6	0.52	2.61	1.74	136.4	0.85	83.36	7	Sand & silty sand	Sand like - Dilative
88	6	0.53	2.63	1.75	129.65	0.98	82.23	7	Sand & silty sand	Sand like - Dilative
89	6	0.53	2.64	1.77	124.03	1.13	80.85	7	Sand & silty sand	Sand like - Dilative
90	6	0.53	2.63	1.77	118.83	1.18	81.54	7	Sand & silty sand	Sand like - Dilative
91	6	0.53	2.6	1.76	113.42	1.18	84.2	7	Sand & silty sand	Sand like - Dilative
92	6	0.55	2.66	1.8	101.67	1.1	80.22	7	Sand & silty sand	Sand like - Dilative
93	6	0.58	2.82	1.9	85.18	0.83	69.86	7	Sand & silty sand	Sand like - Dilative
94	6	0.63	3.06	2.03	67.21	0.46	58.25	7	Sand & silty sand	Sand like - Dilative
95	5	0.65	3.15	2.09	57.88	0.08	54.36	7	Silty sand & sandy silt	Sand like - Dilative
96	6	0.65	3.09	2.07	56.35	-0.02	56.48	7	Sand & silty sand	Sand like - Dilative
97	6	0.64	3.05	2.05	60.32	-0.04	57.38	7	Sand & silty sand	Sand like - Dilative
98	5	0.66	3.14	2.11	64.86	0.01	50.14	7	Silty sand & sandy silt	Sand like - Dilative
99	5	0.71	3.39	2.23	65.62	-0.17	38.6	7	Silty sand & sandy silt	Sand like - Dilative
100	5	0.76	3.64	2.36	60.16	-0.21	30.25	5	Silty sand & sandy silt	Transitional - Dilative
101	4	0.79	3.81	2.45	51.98	-0.07	26.97	5	Clay & silty clay	Transitional - Dilative
102	4	0.8	3.84	2.47	46.99	0.72	27.25	5	Clay & silty clay	Transitional - Dilative
103	5	0.78	3.71	2.43	55.69	1.57	27.26	5	Silty sand & sandy silt	Transitional - Dilative
104	5	0.73	3.35	2.27	74.76	1.36	33.15	7	Silty sand & sandy silt	Sand like - Dilative
105	5	0.68	3.06	2.14	96.78	0.45	39.08	7	Silty sand & sandy silt	Sand like - Dilative
106	5	0.64	2.89	2.06	105.49	-0.85	45.18	7	Silty sand & sandy silt	Sand like - Dilative
107	5	0.66	2.96	2.11	95.38	-1.27	42.58	7	Silty sand & sandy silt	Sand like - Dilative
108	5	0.7	3.11	2.19	79.69	-1.2	38.21	7	Silty sand & sandy silt	Sand like - Dilative
109	9	0.82	3.79	2.53	77.04	-0.27	17.04	3	Very stiff fine grained	Clay-like - Dilative
110	9	0.9	4.24	2.73	82.53	0.78	9.85	2	Very stiff fine grained	Clay-like - Contractive
111	9	0.94	4.48	2.83	87.94	1.31	7.27	2	Very stiff fine grained	Clay-like - Contractive
112	9	0.73	3.21	2.29	176.62	0.83	18.69	3	Very stiff fine grained	Clay-like - Dilative
113	8	0.64	2.75	2.05	232.25	-0.14	29.69	5	Very stiff sand/clayey sand	Transitional - Dilative
114	6	0.52	2.27	1.74	336.67	-1.06	53.21	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
115	6	0.54	2.33	1.79	300.36	-1.37	49.62	7	Sand & silty sand	Sand like - Dilative
116	6	0.55	2.36	1.82	276.25	-1.87	47.94	7	Sand & silty sand	Sand like - Dilative
117	8	0.65	2.73	2.07	188.36	-2.29	31.69	5	Very stiff sand/clayey sand	Transitional - Dilative
118	5	0.63	2.65	2.03	181.11	-2.94	35.47	7	Silty sand & sandy silt	Sand like - Dilative
119	5	0.63	2.62	2.02	162.45	-3.08	39.16	7	Silty sand & sandy silt	Sand like - Dilative
120	5	0.67	2.78	2.13	130.18	-2.99	33.91	7	Silty sand & sandy silt	Sand like - Dilative
121	4	0.75	3.12	2.34	97.39	-2.76	23.93	5	Clay & silty clay	Transitional - Dilative
122	9	0.81	3.38	2.49	81.53	-2.45	18.34	3	Very stiff fine grained	Clay-like - Dilative
123	4	0.75	3.09	2.34	98.39	-2.13	23.7	5	Clay & silty clay	Transitional - Dilative
124	5	0.66	2.67	2.1	134.23	-1.81	35.91	7	Silty sand & sandy silt	Sand like - Dilative
125	6	0.57	2.31	1.85	190.67	-1.59	54.46	7	Sand & silty sand	Sand like - Dilative
126	6	0.5	2.09	1.68	253.22	-1.45	70.8	7	Sand & silty sand	Sand like - Dilative
127	6	0.47	1.98	1.59	312.2	-1.42	78.74	7	Sand & silty sand	Sand like - Dilative
128	6	0.46	1.95	1.56	350.12	-1.15	79.44	7	Sand & silty sand	Sand like - Dilative
129	6	0.44	1.9	1.52	375.91	-1.03	84.79	7	Sand & silty sand	Sand like - Dilative
130	6	0.43	1.86	1.49	389.4	-0.74	89.65	7	Sand & silty sand	Sand like - Dilative
131	6	0.42	1.82	1.45	394.67	-0.54	97.96	7	Sand & silty sand	Sand like - Dilative
132	6	0.4	1.77	1.41	404.06	-0.27	107.49	7	Sand & silty sand	Sand like - Dilative
133	6	0.39	1.73	1.38	423.28	-0.14	113.1	7	Sand & silty sand	Sand like - Dilative
134	6	0.39	1.73	1.38	450.32	-0.15	108.08	7	Sand & silty sand	Sand like - Dilative
135	6	0.41	1.78	1.45	471.85	0.11	90.94	7	Sand & silty sand	Sand like - Dilative
136	6	0.44	1.86	1.53	493.59	0.17	72.87	7	Sand & silty sand	Sand like - Dilative
137	6	0.47	1.91	1.59	507.55	0.19	63.12	7	Sand & silty sand	Sand like - Dilative
138	6	0.48	1.94	1.62	519.54	-0.07	57.84	7	Sand & silty sand	Sand like - Dilative
139	6	0.48	1.93	1.61	553.51	-0.12	57.21	7	Sand & silty sand	Sand like - Dilative
140	8	0.48	1.92	1.61	589.09	-0.17	55.67	7	Very stiff sand/clayey sand	Sand like - Dilative
141	8	0.47	1.9	1.6	615.55	-0.16	56.51	7	Very stiff sand/clayey sand	Sand like - Dilative
142	6	0.46	1.87	1.58	606.97	-0.23	59.76	7	Sand & silty sand	Sand like - Dilative
143	6	0.45	1.84	1.54	593.45	-0.24	65.29	7	Sand & silty sand	Sand like - Dilative
144	6	0.44	1.81	1.52	566.35	-0.44	69.71	7	Sand & silty sand	Sand like - Dilative
145	6	0.44	1.79	1.51	538.65	-0.44	74.29	7	Sand & silty sand	Sand like - Dilative
146	6	0.43	1.77	1.48	515.35	-0.58	79.97	7	Sand & silty sand	Sand like - Dilative
147	6	0.43	1.77	1.49	491.68	-0.4	80.43	7	Sand & silty sand	Sand like - Dilative
148	6	0.45	1.8	1.53	464.81	-0.32	75.05	7	Sand & silty sand	Sand like - Dilative
149	6	0.48	1.88	1.62	409.95	-0.22	63.72	7	Sand & silty sand	Sand like - Dilative
150	6	0.51	1.93	1.69	370.22	-0.42	57.08	7	Sand & silty sand	Sand like - Dilative
151	6	0.52	1.95	1.72	342.31	-0.82	55.17	7	Sand & silty sand	Sand like - Dilative
152	6	0.5	1.9	1.67	336.85	-1.25	62.53	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
153	6	0.47	1.83	1.6	328.15	-1.59	75.59	7	Sand & silty sand	Sand like - Dilative
154	6	0.45	1.77	1.53	316.45	-1.84	90.02	7	Sand & silty sand	Sand like - Dilative
155	6	0.44	1.74	1.5	308.54	-2.01	98.46	7	Sand & silty sand	Sand like - Dilative
156	6	0.43	1.73	1.5	306.54	-2.08	99.81	7	Sand & silty sand	Sand like - Dilative
157	6	0.43	1.72	1.49	306.22	-2.11	101.25	7	Sand & silty sand	Sand like - Dilative
158	6	0.42	1.7	1.47	303.39	-1.93	106.8	7	Sand & silty sand	Sand like - Dilative
159	6	0.42	1.68	1.45	299.32	-1.8	112.25	7	Sand & silty sand	Sand like - Dilative
160	6	0.42	1.67	1.44	304.59	-1.68	113.02	7	Sand & silty sand	Sand like - Dilative
161	6	0.42	1.67	1.46	315.43	-1.69	107.81	7	Sand & silty sand	Sand like - Dilative
162	6	0.43	1.69	1.47	323.55	-1.71	102.2	7	Sand & silty sand	Sand like - Dilative
163	6	0.43	1.69	1.49	321.68	-1.76	99.9	7	Sand & silty sand	Sand like - Dilative
164	6	0.43	1.69	1.5	315.69	-1.65	98.05	7	Sand & silty sand	Sand like - Dilative
165	6	0.44	1.71	1.52	302.04	-1.57	94.96	7	Sand & silty sand	Sand like - Dilative
166	6	0.46	1.73	1.56	277.44	-1.57	90.75	7	Sand & silty sand	Sand like - Dilative
167	6	0.48	1.78	1.62	251.92	-1.7	81.22	7	Sand & silty sand	Sand like - Dilative
168	6	0.5	1.81	1.67	233.97	-1.83	75.42	7	Sand & silty sand	Sand like - Dilative
169	6	0.51	1.82	1.69	218.56	-1.81	74.3	7	Sand & silty sand	Sand like - Dilative
170	6	0.51	1.82	1.69	202.2	-1.82	77.51	7	Sand & silty sand	Sand like - Dilative
171	6	0.51	1.81	1.69	187.34	-1.58	80.73	7	Sand & silty sand	Sand like - Dilative
172	6	0.52	1.83	1.72	173.36	-1.29	77.79	7	Sand & silty sand	Sand like - Dilative
173	6	0.53	1.85	1.76	158.7	-1	74.5	7	Sand & silty sand	Sand like - Dilative
174	6	0.55	1.89	1.81	144.28	-1.17	69.31	7	Sand & silty sand	Sand like - Dilative
175	6	0.57	1.92	1.85	134.43	-1.39	65.21	7	Sand & silty sand	Sand like - Dilative
176	6	0.57	1.93	1.86	128	-1.74	64.86	7	Sand & silty sand	Sand like - Dilative
177	6	0.57	1.91	1.85	124.07	-1.86	67.61	7	Sand & silty sand	Sand like - Dilative
178	6	0.56	1.89	1.83	120.81	-1.83	70.65	7	Sand & silty sand	Sand like - Dilative
179	6	0.56	1.88	1.83	120.09	-1.67	71.47	7	Sand & silty sand	Sand like - Dilative
180	6	0.56	1.88	1.84	120.59	-1.42	70.37	7	Sand & silty sand	Sand like - Dilative
181	6	0.57	1.88	1.85	121.48	-1.32	68.63	7	Sand & silty sand	Sand like - Dilative
182	6	0.57	1.89	1.86	123.59	-1.23	66.25	7	Sand & silty sand	Sand like - Dilative
183	6	0.58	1.89	1.87	125.22	-1.19	63.99	7	Sand & silty sand	Sand like - Dilative
184	6	0.58	1.89	1.88	127.53	-1.17	61.95	7	Sand & silty sand	Sand like - Dilative
185	6	0.59	1.9	1.89	129.84	-1.14	60.27	7	Sand & silty sand	Sand like - Dilative
186	6	0.59	1.89	1.9	131.59	-1.11	58.65	7	Sand & silty sand	Sand like - Dilative
187	6	0.59	1.89	1.9	134.52	-1.08	57.47	7	Sand & silty sand	Sand like - Dilative
188	6	0.59	1.89	1.9	137.58	-1.05	56.8	7	Sand & silty sand	Sand like - Dilative
189	6	0.59	1.88	1.9	141.44	-1.02	56.17	7	Sand & silty sand	Sand like - Dilative
190	6	0.59	1.88	1.9	144.14	-0.96	55.62	7	Sand & silty sand	Sand like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
191	6	0.59	1.87	1.9	146.43	-0.94	55.19	7	Sand & silty sand	Sand like - Dilative
192	6	0.59	1.86	1.89	147.8	-0.94	55.9	7	Sand & silty sand	Sand like - Dilative
193	6	0.58	1.84	1.88	149.57	-0.95	58.09	7	Sand & silty sand	Sand like - Dilative
194	6	0.57	1.82	1.85	151.03	-0.96	60.86	7	Sand & silty sand	Sand like - Dilative
195	6	0.57	1.8	1.84	152.09	-0.96	62.56	7	Sand & silty sand	Sand like - Dilative
196	6	0.57	1.8	1.84	152.69	-0.95	62.29	7	Sand & silty sand	Sand like - Dilative
197	6	0.57	1.8	1.85	152.16	-0.94	61.39	7	Sand & silty sand	Sand like - Dilative
198	6	0.57	1.8	1.86	151.29	-0.93	60.41	7	Sand & silty sand	Sand like - Dilative
199	6	0.58	1.8	1.86	150.15	-0.94	59.64	7	Sand & silty sand	Sand like - Dilative
200	6	0.58	1.8	1.87	148.35	-0.92	59.02	7	Sand & silty sand	Sand like - Dilative
201	6	0.58	1.8	1.88	146.6	-0.93	58.54	7	Sand & silty sand	Sand like - Dilative
202	6	0.58	1.8	1.88	145.38	-0.92	58.36	7	Sand & silty sand	Sand like - Dilative
203	6	0.58	1.79	1.88	145.39	-0.93	58.43	7	Sand & silty sand	Sand like - Dilative
204	6	0.58	1.78	1.87	146.82	-0.91	59	7	Sand & silty sand	Sand like - Dilative
205	6	0.58	1.77	1.86	150.06	-0.91	60.11	7	Sand & silty sand	Sand like - Dilative
206	6	0.57	1.76	1.85	153.33	-0.94	60.94	7	Sand & silty sand	Sand like - Dilative
207	6	0.57	1.75	1.84	155.68	-0.96	61.17	7	Sand & silty sand	Sand like - Dilative
208	6	0.57	1.74	1.84	157.27	-0.98	60.98	7	Sand & silty sand	Sand like - Dilative
209	6	0.57	1.74	1.84	159.1	-0.96	60.99	7	Sand & silty sand	Sand like - Dilative
210	6	0.57	1.73	1.84	161.06	-0.94	60.88	7	Sand & silty sand	Sand like - Dilative
211	6	0.57	1.73	1.84	162.32	-0.94	60.29	7	Sand & silty sand	Sand like - Dilative
212	6	0.57	1.73	1.85	162.83	-0.96	58.88	7	Sand & silty sand	Sand like - Dilative
213	6	0.58	1.74	1.87	162.03	-0.98	56.27	7	Sand & silty sand	Sand like - Dilative
214	6	0.6	1.76	1.91	156.96	-0.97	51.54	7	Sand & silty sand	Sand like - Dilative
215	6	0.63	1.81	1.99	145.85	-0.93	44.46	7	Sand & silty sand	Sand like - Dilative
216	5	0.67	1.87	2.1	129.57	-0.88	36.46	7	Silty sand & sandy silt	Sand like - Dilative
217	5	0.71	1.94	2.21	112.67	-0.83	30.22	5	Silty sand & sandy silt	Transitional - Dilative
218	5	0.75	2	2.3	96.39	-0.75	26.27	5	Silty sand & sandy silt	Transitional - Dilative
219	4	0.77	2.03	2.36	85.11	-0.62	24.6	5	Clay & silty clay	Transitional - Dilative
220	4	0.78	2.05	2.39	78.39	-0.44	23.97	5	Clay & silty clay	Transitional - Dilative
221	4	0.78	2.04	2.39	78.36	-0.36	24.25	5	Clay & silty clay	Transitional - Dilative
222	4	0.77	2.02	2.37	81.26	-0.4	24.89	5	Clay & silty clay	Transitional - Dilative
223	5	0.76	1.99	2.34	85.76	-0.52	25.6	5	Silty sand & sandy silt	Transitional - Dilative
224	5	0.76	1.98	2.33	88.26	-0.7	26.19	5	Silty sand & sandy silt	Transitional - Dilative
225	5	0.76	1.97	2.33	86.88	-0.89	26.31	5	Silty sand & sandy silt	Transitional - Dilative
226	5	0.76	1.97	2.34	83.21	-1.05	26.6	5	Silty sand & sandy silt	Transitional - Dilative
227	5	0.75	1.95	2.31	81.52	-1.08	28.74	5	Silty sand & sandy silt	Transitional - Dilative
228	5	0.72	1.88	2.23	86.23	-1.06	33.84	7	Silty sand & sandy silt	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
229	5	0.66	1.79	2.08	102.32	-1.02	44.16	7	Silty sand & sandy silt	Sand like - Dilative
230	6	0.6	1.69	1.92	126.95	-1.04	57.44	7	Sand & silty sand	Sand like - Dilative
231	6	0.55	1.61	1.78	152.1	-1.09	71.26	7	Sand & silty sand	Sand like - Dilative
232	6	0.52	1.57	1.71	171.93	-1.17	79.96	7	Sand & silty sand	Sand like - Dilative
233	6	0.51	1.55	1.68	183.53	-1.23	82.7	7	Sand & silty sand	Sand like - Dilative
234	6	0.51	1.55	1.67	192.82	-1.29	82.49	7	Sand & silty sand	Sand like - Dilative
235	6	0.51	1.54	1.67	197.32	-1.34	82.02	7	Sand & silty sand	Sand like - Dilative
236	6	0.51	1.54	1.67	200.84	-1.34	81	7	Sand & silty sand	Sand like - Dilative
237	6	0.51	1.54	1.68	200.85	-1.35	80	7	Sand & silty sand	Sand like - Dilative
238	6	0.51	1.53	1.68	200.82	-1.34	79.65	7	Sand & silty sand	Sand like - Dilative
239	6	0.51	1.53	1.68	200.59	-1.35	79.74	7	Sand & silty sand	Sand like - Dilative
240	6	0.51	1.53	1.68	199.17	-1.38	79.95	7	Sand & silty sand	Sand like - Dilative
241	6	0.51	1.52	1.68	197.41	-1.41	80.35	7	Sand & silty sand	Sand like - Dilative
242	6	0.51	1.52	1.68	196.6	-1.42	80.23	7	Sand & silty sand	Sand like - Dilative
243	6	0.52	1.53	1.69	196.36	-1.41	77.79	7	Sand & silty sand	Sand like - Dilative
244	6	0.53	1.53	1.71	195.61	-1.26	74.09	7	Sand & silty sand	Sand like - Dilative
245	6	0.54	1.55	1.75	191.64	-0.98	69.29	7	Sand & silty sand	Sand like - Dilative
246	6	0.54	1.55	1.77	190.01	-0.71	66.69	7	Sand & silty sand	Sand like - Dilative
247	6	0.55	1.55	1.78	189.15	-0.58	64.88	7	Sand & silty sand	Sand like - Dilative
248	6	0.55	1.55	1.77	192.11	-0.59	65	7	Sand & silty sand	Sand like - Dilative
249	6	0.55	1.54	1.77	193.14	-0.58	64.64	7	Sand & silty sand	Sand like - Dilative
250	6	0.55	1.54	1.78	194.06	-0.57	64.27	7	Sand & silty sand	Sand like - Dilative
251	6	0.55	1.54	1.78	193.12	-0.58	63.9	7	Sand & silty sand	Sand like - Dilative
252	6	0.55	1.54	1.78	191.03	-0.58	63.74	7	Sand & silty sand	Sand like - Dilative
253	6	0.55	1.54	1.79	188.28	-0.59	63.6	7	Sand & silty sand	Sand like - Dilative
254	6	0.56	1.54	1.79	184.95	-0.6	63.22	7	Sand & silty sand	Sand like - Dilative
255	6	0.56	1.54	1.8	181.12	-0.6	62.5	7	Sand & silty sand	Sand like - Dilative
256	6	0.56	1.54	1.81	177.05	-0.61	61.72	7	Sand & silty sand	Sand like - Dilative
257	6	0.57	1.54	1.82	173.29	-0.62	60.76	7	Sand & silty sand	Sand like - Dilative
258	6	0.57	1.54	1.83	170.72	-0.64	59.98	7	Sand & silty sand	Sand like - Dilative
259	6	0.57	1.54	1.84	169.54	-0.68	59.53	7	Sand & silty sand	Sand like - Dilative
260	6	0.57	1.54	1.83	169.62	-0.7	60.06	7	Sand & silty sand	Sand like - Dilative
261	6	0.57	1.53	1.83	168.14	-0.78	61.61	7	Sand & silty sand	Sand like - Dilative
262	6	0.56	1.52	1.81	164.72	-0.88	64.52	7	Sand & silty sand	Sand like - Dilative
263	6	0.56	1.51	1.79	159.75	-1	67.89	7	Sand & silty sand	Sand like - Dilative
264	6	0.55	1.5	1.78	153.94	-1.07	71.44	7	Sand & silty sand	Sand like - Dilative
265	6	0.55	1.5	1.78	148.87	-1.16	73.21	7	Sand & silty sand	Sand like - Dilative
266	6	0.55	1.5	1.79	144.56	-1.24	72.72	7	Sand & silty sand	Sand like - Dilative

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No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
267	6	0.56	1.5	1.81	141.56	-1.31	69.75	7	Sand & silty sand	Sand like - Dilative
268	6	0.57	1.51	1.83	138.9	-1.33	67.29	7	Sand & silty sand	Sand like - Dilative
269	6	0.57	1.5	1.82	136.4	-1.29	68.58	7	Sand & silty sand	Sand like - Dilative
270	6	0.56	1.49	1.8	133.81	-1.22	73.03	7	Sand & silty sand	Sand like - Dilative
271	6	0.55	1.48	1.78	130.44	-1.22	77.57	7	Sand & silty sand	Sand like - Dilative
272	6	0.56	1.48	1.8	125.16	-1.27	75.1	7	Sand & silty sand	Sand like - Dilative
273	6	0.58	1.5	1.84	120.94	-1.29	69.03	7	Sand & silty sand	Sand like - Dilative
274	6	0.59	1.51	1.89	118.21	-1.3	63.01	7	Sand & silty sand	Sand like - Dilative
275	6	0.6	1.52	1.91	118.45	-1.34	59.67	7	Sand & silty sand	Sand like - Dilative
276	6	0.6	1.52	1.91	121.21	-1.32	58.96	7	Sand & silty sand	Sand like - Dilative
277	6	0.59	1.5	1.88	128	-1.21	61.53	7	Sand & silty sand	Sand like - Dilative
278	6	0.57	1.48	1.83	138.67	-1.02	67.54	7	Sand & silty sand	Sand like - Dilative
279	6	0.55	1.46	1.78	147.36	-0.99	72.69	7	Sand & silty sand	Sand like - Dilative
280	6	0.54	1.45	1.76	151.01	-1.01	76.26	7	Sand & silty sand	Sand like - Dilative
281	6	0.54	1.44	1.74	149.78	-1.09	78.6	7	Sand & silty sand	Sand like - Dilative
282	6	0.53	1.43	1.73	145.89	-1.14	82.43	7	Sand & silty sand	Sand like - Dilative
283	6	0.53	1.42	1.71	141.3	-1.16	86.94	7	Sand & silty sand	Sand like - Dilative
284	6	0.53	1.42	1.71	136.7	-1.17	88.9	7	Sand & silty sand	Sand like - Dilative
285	6	0.54	1.42	1.74	132.44	-1.14	84.18	7	Sand & silty sand	Sand like - Dilative
286	6	0.57	1.45	1.81	128	-1.11	71.97	7	Sand & silty sand	Sand like - Dilative
287	6	0.6	1.48	1.9	121.99	-1.09	60.47	7	Sand & silty sand	Sand like - Dilative
288	6	0.63	1.51	1.98	115.21	-1.08	51.92	7	Sand & silty sand	Sand like - Dilative
289	5	0.65	1.52	2.02	109.57	-1.07	48.01	7	Silty sand & sandy silt	Sand like - Dilative
290	5	0.65	1.52	2.04	107.33	-1.03	47.31	7	Silty sand & sandy silt	Sand like - Dilative
291	6	0.64	1.5	2	111.36	-0.99	50.78	7	Sand & silty sand	Sand like - Dilative
292	6	0.61	1.48	1.93	120.92	-0.9	56.42	7	Sand & silty sand	Sand like - Dilative
293	6	0.6	1.46	1.89	131.14	-0.86	60.53	7	Sand & silty sand	Sand like - Dilative
294	6	0.59	1.45	1.87	137.52	-0.92	61.44	7	Sand & silty sand	Sand like - Dilative
295	6	0.59	1.45	1.87	138.7	-0.98	60.8	7	Sand & silty sand	Sand like - Dilative
296	6	0.59	1.45	1.88	136.97	-0.89	59.9	7	Sand & silty sand	Sand like - Dilative
297	6	0.6	1.45	1.89	135.82	-0.75	59.03	7	Sand & silty sand	Sand like - Dilative
298	6	0.6	1.45	1.9	134.91	-0.67	57.52	7	Sand & silty sand	Sand like - Dilative
299	6	0.61	1.45	1.92	133.53	-0.68	55.41	7	Sand & silty sand	Sand like - Dilative
300	6	0.62	1.45	1.94	131.13	-0.69	53.46	7	Sand & silty sand	Sand like - Dilative
301	6	0.62	1.46	1.96	128.66	-0.7	51.97	7	Sand & silty sand	Sand like - Dilative
302	6	0.62	1.46	1.96	126.69	-0.69	51.68	7	Sand & silty sand	Sand like - Dilative
303	6	0.63	1.45	1.96	124.82	-0.68	51.77	7	Sand & silty sand	Sand like - Dilative
304	6	0.63	1.45	1.97	123.05	-0.66	51.87	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
305	6	0.63	1.45	1.97	121.35	-0.65	51.85	7	Sand & silty sand	Sand like - Dilative
306	6	0.63	1.45	1.97	119.49	-0.64	51.61	7	Sand & silty sand	Sand like - Dilative
307	6	0.63	1.45	1.98	117.89	-0.64	51.54	7	Sand & silty sand	Sand like - Dilative
308	6	0.63	1.44	1.98	117.13	-0.64	52.11	7	Sand & silty sand	Sand like - Dilative
309	6	0.63	1.44	1.97	116.3	-0.65	52.67	7	Sand & silty sand	Sand like - Dilative
310	6	0.63	1.43	1.96	116.17	-0.64	53.76	7	Sand & silty sand	Sand like - Dilative
311	6	0.62	1.43	1.95	115.82	-0.63	55.27	7	Sand & silty sand	Sand like - Dilative
312	6	0.62	1.42	1.93	115.66	-0.62	57.63	7	Sand & silty sand	Sand like - Dilative
313	6	0.61	1.41	1.92	114.57	-0.65	60.11	7	Sand & silty sand	Sand like - Dilative
314	6	0.6	1.4	1.9	112.31	-0.68	62.67	7	Sand & silty sand	Sand like - Dilative
315	6	0.6	1.4	1.9	109.11	-0.72	63.72	7	Sand & silty sand	Sand like - Dilative
316	6	0.61	1.4	1.91	106.08	-0.75	63.47	7	Sand & silty sand	Sand like - Dilative
317	6	0.61	1.4	1.93	103.21	-0.79	61.68	7	Sand & silty sand	Sand like - Dilative
318	6	0.62	1.41	1.95	101.03	-0.79	59.78	7	Sand & silty sand	Sand like - Dilative
319	6	0.63	1.41	1.97	98.78	-0.79	57.59	7	Sand & silty sand	Sand like - Dilative
320	6	0.63	1.41	1.98	98.42	-0.78	55.71	7	Sand & silty sand	Sand like - Dilative
321	6	0.63	1.4	1.96	102.46	-0.75	56.95	7	Sand & silty sand	Sand like - Dilative
322	6	0.61	1.39	1.93	108.09	-0.71	60.11	7	Sand & silty sand	Sand like - Dilative
323	6	0.6	1.38	1.89	113.37	-0.71	64.52	7	Sand & silty sand	Sand like - Dilative
324	6	0.59	1.37	1.86	115.18	-0.76	67.48	7	Sand & silty sand	Sand like - Dilative
325	6	0.59	1.36	1.85	115.58	-0.82	68.98	7	Sand & silty sand	Sand like - Dilative
326	6	0.58	1.36	1.85	115.09	-0.9	69.47	7	Sand & silty sand	Sand like - Dilative
327	6	0.59	1.36	1.85	113.71	-0.92	69.72	7	Sand & silty sand	Sand like - Dilative
328	6	0.58	1.35	1.85	112.77	-0.93	70.43	7	Sand & silty sand	Sand like - Dilative
329	6	0.58	1.35	1.85	112.31	-0.9	70.58	7	Sand & silty sand	Sand like - Dilative
330	6	0.59	1.35	1.85	112.54	-0.89	69.63	7	Sand & silty sand	Sand like - Dilative
331	6	0.59	1.35	1.86	113.14	-0.89	68.11	7	Sand & silty sand	Sand like - Dilative
332	6	0.6	1.35	1.88	113.09	-0.88	65.26	7	Sand & silty sand	Sand like - Dilative
333	6	0.61	1.36	1.91	111.52	-0.86	61.77	7	Sand & silty sand	Sand like - Dilative
334	6	0.63	1.37	1.96	106.84	-0.84	56.46	7	Sand & silty sand	Sand like - Dilative
335	6	0.65	1.38	2.01	101.35	-0.81	51.6	7	Sand & silty sand	Sand like - Dilative
336	5	0.67	1.39	2.07	94.27	-0.82	46.54	7	Silty sand & sandy silt	Sand like - Dilative
337	5	0.69	1.41	2.13	86.41	-0.82	42.43	7	Silty sand & sandy silt	Sand like - Dilative
338	5	0.72	1.42	2.2	78.24	-0.82	38.29	7	Silty sand & sandy silt	Sand like - Dilative
339	5	0.75	1.44	2.27	71	-0.79	34.13	7	Silty sand & sandy silt	Sand like - Dilative
340	5	0.77	1.45	2.34	66.14	-0.7	30.28	5	Silty sand & sandy silt	Transitional - Dilative
341	5	0.78	1.45	2.36	64.28	-0.59	28.99	5	Silty sand & sandy silt	Transitional - Dilative
342	5	0.79	1.46	2.38	60.91	-0.48	28.77	5	Silty sand & sandy silt	Transitional - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
343	5	0.77	1.44	2.33	61.72	-0.45	32	5	Silty sand & sandy silt	Transitional - Dilative
344	5	0.74	1.41	2.24	66.6	-0.46	37.63	7	Silty sand & sandy silt	Sand like - Dilative
345	5	0.69	1.38	2.12	77.2	-0.32	45.84	7	Silty sand & sandy silt	Sand like - Dilative
346	6	0.65	1.35	2.01	89.02	-0.38	54.34	7	Sand & silty sand	Sand like - Dilative
347	6	0.63	1.34	1.96	96.35	-0.48	58.87	7	Sand & silty sand	Sand like - Dilative
348	6	0.62	1.33	1.94	101.57	-0.79	60.28	7	Sand & silty sand	Sand like - Dilative
349	6	0.62	1.33	1.95	103.16	-0.88	59.05	7	Sand & silty sand	Sand like - Dilative
350	6	0.63	1.33	1.95	105.41	-0.91	57.72	7	Sand & silty sand	Sand like - Dilative
351	6	0.63	1.33	1.96	107.42	-0.98	56.73	7	Sand & silty sand	Sand like - Dilative
352	6	0.63	1.33	1.97	108.49	-1	55.1	7	Sand & silty sand	Sand like - Dilative
353	6	0.64	1.33	1.98	108.75	-0.95	53.43	7	Sand & silty sand	Sand like - Dilative
354	6	0.64	1.33	1.99	109.09	-0.86	52.32	7	Sand & silty sand	Sand like - Dilative
355	6	0.64	1.32	1.99	109.84	-0.79	52.12	7	Sand & silty sand	Sand like - Dilative
356	6	0.64	1.32	1.98	111.41	-0.78	52.9	7	Sand & silty sand	Sand like - Dilative
357	6	0.63	1.31	1.96	113.66	-0.77	54.2	7	Sand & silty sand	Sand like - Dilative
358	6	0.62	1.31	1.94	117.41	-0.77	56.38	7	Sand & silty sand	Sand like - Dilative
359	6	0.61	1.3	1.92	120.92	-0.77	58.64	7	Sand & silty sand	Sand like - Dilative
360	6	0.61	1.29	1.9	123.46	-0.77	60.24	7	Sand & silty sand	Sand like - Dilative
361	6	0.61	1.29	1.91	123.32	-0.76	59.59	7	Sand & silty sand	Sand like - Dilative
362	6	0.62	1.29	1.92	121.41	-0.74	57.56	7	Sand & silty sand	Sand like - Dilative
363	6	0.63	1.3	1.95	117.86	-0.73	55.16	7	Sand & silty sand	Sand like - Dilative
364	6	0.63	1.3	1.97	113.24	-0.72	53.19	7	Sand & silty sand	Sand like - Dilative
365	6	0.65	1.3	2	108.16	-0.72	51.19	7	Sand & silty sand	Sand like - Dilative
366	5	0.65	1.31	2.02	104.28	-0.71	49.48	7	Silty sand & sandy silt	Sand like - Dilative
367	5	0.66	1.31	2.04	102.79	-0.69	48.26	7	Silty sand & sandy silt	Sand like - Dilative
368	5	0.66	1.31	2.05	101.94	-0.66	47.4	7	Silty sand & sandy silt	Sand like - Dilative
369	5	0.66	1.3	2.04	102.37	-0.71	47.73	7	Silty sand & sandy silt	Sand like - Dilative
370	5	0.66	1.3	2.03	103.83	-0.78	49.05	7	Silty sand & sandy silt	Sand like - Dilative
371	6	0.64	1.29	2	108.35	-0.87	51.49	7	Sand & silty sand	Sand like - Dilative
372	6	0.64	1.28	1.97	113.92	-0.86	52.91	7	Sand & silty sand	Sand like - Dilative
373	6	0.64	1.28	1.97	117.29	-0.92	52.39	7	Sand & silty sand	Sand like - Dilative
374	6	0.64	1.28	1.99	116.16	-0.99	50.74	7	Sand & silty sand	Sand like - Dilative
375	6	0.65	1.28	2	112.71	-1.13	49.89	7	Sand & silty sand	Sand like - Dilative
376	6	0.65	1.28	2.01	109.72	-1.18	50.07	7	Sand & silty sand	Sand like - Dilative
377	6	0.64	1.28	2	109.77	-1.21	51.23	7	Sand & silty sand	Sand like - Dilative
378	6	0.64	1.27	1.99	110.71	-1.2	51.7	7	Sand & silty sand	Sand like - Dilative
379	6	0.64	1.27	1.99	111.96	-1.17	52.05	7	Sand & silty sand	Sand like - Dilative
380	6	0.64	1.27	1.98	112.29	-1.16	52.2	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
381	6	0.64	1.27	1.98	112.1	-1.15	52.53	7	Sand & silty sand	Sand like - Dilative
382	6	0.64	1.26	1.98	111.8	-1.14	53.06	7	Sand & silty sand	Sand like - Dilative
383	6	0.64	1.26	1.97	111.57	-1.15	53.42	7	Sand & silty sand	Sand like - Dilative
384	6	0.64	1.26	1.97	111.51	-1.17	53.62	7	Sand & silty sand	Sand like - Dilative
385	6	0.64	1.26	1.97	112.1	-1.15	53.97	7	Sand & silty sand	Sand like - Dilative
386	6	0.63	1.25	1.96	112.7	-1.13	54.72	7	Sand & silty sand	Sand like - Dilative
387	6	0.63	1.25	1.95	113.42	-1.11	55.52	7	Sand & silty sand	Sand like - Dilative
388	6	0.63	1.25	1.95	113.99	-1.11	55.83	7	Sand & silty sand	Sand like - Dilative
389	6	0.63	1.24	1.95	114.69	-1.09	55.55	7	Sand & silty sand	Sand like - Dilative
390	6	0.63	1.24	1.95	115.38	-1.08	55.96	7	Sand & silty sand	Sand like - Dilative
391	6	0.62	1.24	1.93	116	-1.09	57.89	7	Sand & silty sand	Sand like - Dilative
392	6	0.61	1.23	1.91	116.27	-1.12	60.24	7	Sand & silty sand	Sand like - Dilative
393	6	0.61	1.23	1.9	116.16	-1.13	61.67	7	Sand & silty sand	Sand like - Dilative
394	6	0.61	1.23	1.9	115.97	-1.17	61.85	7	Sand & silty sand	Sand like - Dilative
395	6	0.61	1.23	1.9	115.65	-1.07	61.92	7	Sand & silty sand	Sand like - Dilative
396	6	0.61	1.22	1.9	114.67	-0.87	62	7	Sand & silty sand	Sand like - Dilative
397	6	0.61	1.22	1.91	113.37	-0.61	61.99	7	Sand & silty sand	Sand like - Dilative
398	6	0.61	1.22	1.91	112.57	-0.49	62.04	7	Sand & silty sand	Sand like - Dilative
399	6	0.61	1.22	1.91	112.41	-0.47	62.09	7	Sand & silty sand	Sand like - Dilative
400	6	0.61	1.22	1.91	112.46	-0.45	62.28	7	Sand & silty sand	Sand like - Dilative
401	6	0.61	1.21	1.9	112.68	-0.47	62.84	7	Sand & silty sand	Sand like - Dilative
402	6	0.61	1.21	1.89	113.56	-0.47	63.69	7	Sand & silty sand	Sand like - Dilative
403	6	0.6	1.21	1.88	115.29	-0.46	65.13	7	Sand & silty sand	Sand like - Dilative
404	6	0.6	1.2	1.87	118.87	-0.47	66.4	7	Sand & silty sand	Sand like - Dilative
405	6	0.6	1.2	1.86	122.55	-0.52	66	7	Sand & silty sand	Sand like - Dilative
406	6	0.61	1.2	1.89	124.03	-0.61	61.11	7	Sand & silty sand	Sand like - Dilative
407	6	0.63	1.21	1.95	120.48	-0.68	53.96	7	Sand & silty sand	Sand like - Dilative
408	5	0.66	1.22	2.04	112.13	-0.72	45.83	7	Silty sand & sandy silt	Sand like - Dilative
409	5	0.71	1.23	2.15	97.12	-0.72	38.37	7	Silty sand & sandy silt	Sand like - Dilative
410	5	0.75	1.25	2.25	82.45	-0.73	32.79	7	Silty sand & sandy silt	Sand like - Dilative
411	5	0.78	1.26	2.33	70.49	-0.72	29.53	5	Silty sand & sandy silt	Transitional - Dilative
412	5	0.78	1.26	2.35	66.29	-0.59	29.77	5	Silty sand & sandy silt	Transitional - Dilative
413	5	0.78	1.25	2.33	64.49	-0.35	31.24	5	Silty sand & sandy silt	Transitional - Dilative
414	5	0.74	1.23	2.23	70.74	-0.04	37.82	7	Silty sand & sandy silt	Sand like - Dilative
415	5	0.68	1.21	2.08	81.78	0.03	48.78	7	Silty sand & sandy silt	Sand like - Dilative
416	6	0.62	1.19	1.93	96.31	-0.05	63.04	7	Sand & silty sand	Sand like - Dilative
417	6	0.59	1.18	1.85	107.33	-0.38	70.99	7	Sand & silty sand	Sand like - Dilative
418	6	0.59	1.18	1.84	114.08	-0.65	71.61	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
419	6	0.6	1.18	1.86	116.28	-0.91	68.02	7	Sand & silty sand	Sand like - Dilative
420	6	0.62	1.18	1.92	113.3	-1	60.75	7	Sand & silty sand	Sand like - Dilative
421	6	0.64	1.19	1.97	109.07	-1.03	54.79	7	Sand & silty sand	Sand like - Dilative
422	6	0.65	1.19	1.99	106.52	-1.01	52.19	7	Sand & silty sand	Sand like - Dilative
423	6	0.64	1.18	1.97	106.6	-1	55.69	7	Sand & silty sand	Sand like - Dilative
424	6	0.63	1.18	1.94	106.25	-1	59.73	7	Sand & silty sand	Sand like - Dilative
425	6	0.62	1.18	1.93	104.27	-1.06	61.49	7	Sand & silty sand	Sand like - Dilative
426	6	0.63	1.18	1.94	103.46	-1.11	59.64	7	Sand & silty sand	Sand like - Dilative
427	6	0.62	1.17	1.93	106.96	-1.16	60.62	7	Sand & silty sand	Sand like - Dilative
428	6	0.6	1.16	1.88	114.09	-1.16	65.99	7	Sand & silty sand	Sand like - Dilative
429	6	0.58	1.16	1.82	119.72	-1.2	73.2	7	Sand & silty sand	Sand like - Dilative
430	6	0.56	1.15	1.77	121.31	-1.24	81.32	7	Sand & silty sand	Sand like - Dilative
431	6	0.55	1.15	1.74	119.96	-1.3	85.81	7	Sand & silty sand	Sand like - Dilative
432	6	0.55	1.14	1.73	118.78	-1.3	89	7	Sand & silty sand	Sand like - Dilative
433	6	0.55	1.14	1.74	118.35	-1.33	87.12	7	Sand & silty sand	Sand like - Dilative
434	6	0.56	1.14	1.76	118	-1.32	83.62	7	Sand & silty sand	Sand like - Dilative
435	6	0.57	1.14	1.79	117.3	-1.33	79.36	7	Sand & silty sand	Sand like - Dilative
436	6	0.58	1.14	1.81	116.59	-1.3	76.18	7	Sand & silty sand	Sand like - Dilative
437	6	0.58	1.14	1.82	115.78	-1.3	74.53	7	Sand & silty sand	Sand like - Dilative
438	6	0.59	1.14	1.83	114.99	-1.32	73.28	7	Sand & silty sand	Sand like - Dilative
439	6	0.59	1.14	1.84	113.3	-1.34	71.67	7	Sand & silty sand	Sand like - Dilative
440	6	0.6	1.14	1.85	110.94	-1.35	70.02	7	Sand & silty sand	Sand like - Dilative
441	6	0.6	1.14	1.86	107.74	-1.3	70.49	7	Sand & silty sand	Sand like - Dilative
442	6	0.59	1.14	1.84	105.06	-1.26	73.59	7	Sand & silty sand	Sand like - Dilative
443	6	0.58	1.14	1.82	102.81	-1.27	77.09	7	Sand & silty sand	Sand like - Dilative
444	6	0.58	1.13	1.82	101.39	-1.29	78.18	7	Sand & silty sand	Sand like - Dilative
445	6	0.59	1.13	1.83	100.07	-1.3	76.06	7	Sand & silty sand	Sand like - Dilative
446	6	0.6	1.13	1.85	98.46	-1.22	73.38	7	Sand & silty sand	Sand like - Dilative
447	6	0.61	1.14	1.88	96.08	-1.07	70.29	7	Sand & silty sand	Sand like - Dilative
448	6	0.61	1.14	1.9	93.47	-0.93	67.69	7	Sand & silty sand	Sand like - Dilative
449	6	0.63	1.14	1.93	89.42	-0.85	64.19	7	Sand & silty sand	Sand like - Dilative
450	6	0.64	1.14	1.97	85.38	-0.85	60.94	7	Sand & silty sand	Sand like - Dilative
451	6	0.65	1.14	2	80.69	-0.85	58.02	7	Sand & silty sand	Sand like - Dilative
452	6	0.66	1.14	2.02	77.33	-0.85	56.96	7	Sand & silty sand	Sand like - Dilative
453	6	0.66	1.14	2.02	75.03	-0.82	57.11	7	Sand & silty sand	Sand like - Dilative
454	6	0.66	1.14	2.02	74.47	-0.79	57.72	7	Sand & silty sand	Sand like - Dilative
455	6	0.66	1.14	2.02	74.6	-0.74	57.26	7	Sand & silty sand	Sand like - Dilative
456	6	0.67	1.13	2.03	74.33	-0.71	55.76	7	Sand & silty sand	Sand like - Dilative

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	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
457	5	0.68	1.14	2.07	72.17	-0.7	52.8	7	Silty sand & sandy silt	Sand like - Dilative
458	5	0.69	1.14	2.1	69.17	-0.7	49.97	7	Silty sand & sandy silt	Sand like - Dilative
459	5	0.71	1.14	2.14	65.96	-0.7	47.34	7	Silty sand & sandy silt	Sand like - Dilative
460	5	0.72	1.14	2.16	62.91	-0.7	45.63	7	Silty sand & sandy silt	Sand like - Dilative
461	5	0.73	1.14	2.19	60.3	-0.69	44.21	7	Silty sand & sandy silt	Sand like - Dilative
462	5	0.73	1.14	2.21	58.16	-0.65	43.08	7	Silty sand & sandy silt	Sand like - Dilative
463	5	0.74	1.14	2.22	57.05	-0.57	42.62	7	Silty sand & sandy silt	Sand like - Dilative
464	5	0.74	1.14	2.22	55.77	-0.48	42.33	7	Silty sand & sandy silt	Sand like - Dilative
465	5	0.74	1.13	2.24	53.89	-0.41	41.7	7	Silty sand & sandy silt	Sand like - Dilative
466	5	0.75	1.13	2.25	51.83	-0.37	41.24	7	Silty sand & sandy silt	Sand like - Dilative
467	5	0.75	1.13	2.26	50.37	-0.32	40.85	7	Silty sand & sandy silt	Sand like - Dilative
468	5	0.76	1.13	2.27	51.04	-0.24	39.54	7	Silty sand & sandy silt	Sand like - Dilative
469	5	0.77	1.13	2.3	52.55	-0.15	36.95	7	Silty sand & sandy silt	Sand like - Dilative
470	5	0.78	1.13	2.33	53.77	-0.08	34.47	7	Silty sand & sandy silt	Sand like - Dilative
471	5	0.79	1.13	2.35	53.51	-0.07	33.07	7	Silty sand & sandy silt	Sand like - Dilative
472	5	0.79	1.13	2.36	52.88	-0.06	32.53	7	Silty sand & sandy silt	Sand like - Dilative
473	5	0.79	1.13	2.37	52.5	-0.04	32.16	7	Silty sand & sandy silt	Sand like - Dilative
474	5	0.8	1.13	2.37	52.51	0.19	32.13	7	Silty sand & sandy silt	Sand like - Dilative
475	5	0.78	1.12	2.34	54.39	0.38	33.6	7	Silty sand & sandy silt	Sand like - Dilative
476	5	0.75	1.12	2.26	59.86	0.29	38.47	7	Silty sand & sandy silt	Sand like - Dilative
477	5	0.72	1.11	2.16	66.79	-0.07	45.06	7	Silty sand & sandy silt	Sand like - Dilative
478	5	0.68	1.1	2.07	73.15	-0.48	51.71	7	Silty sand & sandy silt	Sand like - Dilative
479	6	0.67	1.1	2.03	76.57	-0.68	55.18	7	Sand & silty sand	Sand like - Dilative
480	6	0.66	1.1	2.01	79.17	-0.85	57.5	7	Sand & silty sand	Sand like - Dilative
481	6	0.65	1.09	2	81.24	-0.93	58.46	7	Sand & silty sand	Sand like - Dilative
482	6	0.66	1.09	2	82.6	-0.96	57.73	7	Sand & silty sand	Sand like - Dilative
483	6	0.66	1.09	2.02	82.56	-0.97	55.87	7	Sand & silty sand	Sand like - Dilative
484	5	0.67	1.09	2.04	80.34	-0.97	53.15	7	Silty sand & sandy silt	Sand like - Dilative
485	5	0.68	1.09	2.07	77.2	-0.94	51.01	7	Silty sand & sandy silt	Sand like - Dilative
486	5	0.7	1.09	2.12	72.37	-0.87	47.63	7	Silty sand & sandy silt	Sand like - Dilative
487	5	0.72	1.09	2.16	67.82	-0.82	44.4	7	Silty sand & sandy silt	Sand like - Dilative
488	5	0.74	1.09	2.21	63.15	-0.78	41.64	7	Silty sand & sandy silt	Sand like - Dilative
489	5	0.74	1.09	2.22	59.49	-0.78	41.51	7	Silty sand & sandy silt	Sand like - Dilative
490	5	0.74	1.09	2.22	56.58	-0.76	42.6	7	Silty sand & sandy silt	Sand like - Dilative
491	5	0.73	1.09	2.19	55.2	-0.74	45.02	7	Silty sand & sandy silt	Sand like - Dilative
492	5	0.71	1.08	2.14	57.15	-0.7	49.2	7	Silty sand & sandy silt	Sand like - Dilative
493	5	0.69	1.08	2.08	60.5	-0.66	53.95	7	Silty sand & sandy silt	Sand like - Dilative
494	6	0.67	1.08	2.04	64.6	-0.7	57.51	7	Sand & silty sand	Sand like - Dilative

Former Nepera Harriman Site
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CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
495	6	0.67	1.07	2.04	66.76	-0.69	57.26	7	Sand & silty sand	Sand like - Dilative
496	5	0.68	1.07	2.06	66.88	-0.63	55.3	7	Silty sand & sandy silt	Sand like - Dilative
497	5	0.69	1.07	2.08	66.01	-0.56	53.46	7	Silty sand & sandy silt	Sand like - Dilative
498	5	0.69	1.07	2.09	64.99	-0.57	52.31	7	Silty sand & sandy silt	Sand like - Dilative
499	5	0.69	1.07	2.09	65.06	-0.64	51.96	7	Silty sand & sandy silt	Sand like - Dilative
500	5	0.69	1.07	2.1	65.45	-0.64	51.57	7	Silty sand & sandy silt	Sand like - Dilative
501	5	0.69	1.07	2.1	66.64	-0.62	51.28	7	Silty sand & sandy silt	Sand like - Dilative
502	5	0.69	1.07	2.09	68.2	-0.6	51.25	7	Silty sand & sandy silt	Sand like - Dilative
503	5	0.69	1.07	2.09	70.08	-0.56	51.19	7	Silty sand & sandy silt	Sand like - Dilative
504	5	0.69	1.06	2.09	71.46	-0.52	50.9	7	Silty sand & sandy silt	Sand like - Dilative
505	5	0.69	1.06	2.09	72.64	-0.48	50.46	7	Silty sand & sandy silt	Sand like - Dilative
506	5	0.69	1.06	2.09	74.03	-0.45	50.29	7	Silty sand & sandy silt	Sand like - Dilative
507	5	0.69	1.06	2.08	75.3	-0.43	50.42	7	Silty sand & sandy silt	Sand like - Dilative
508	5	0.69	1.06	2.08	76.15	-0.41	50.61	7	Silty sand & sandy silt	Sand like - Dilative
509	5	0.69	1.06	2.08	75.89	-0.4	50.22	7	Silty sand & sandy silt	Sand like - Dilative
510	5	0.69	1.05	2.09	75.23	-0.39	49.27	7	Silty sand & sandy silt	Sand like - Dilative
511	5	0.7	1.05	2.11	74.32	-0.42	47.28	7	Silty sand & sandy silt	Sand like - Dilative
512	5	0.71	1.05	2.14	73.05	-0.46	45.07	7	Silty sand & sandy silt	Sand like - Dilative
513	5	0.72	1.05	2.17	71.11	-0.51	42.8	7	Silty sand & sandy silt	Sand like - Dilative
514	5	0.73	1.05	2.2	68.09	-0.52	40.88	7	Silty sand & sandy silt	Sand like - Dilative
515	5	0.74	1.05	2.21	66.87	-0.52	39.96	7	Silty sand & sandy silt	Sand like - Dilative
516	5	0.75	1.05	2.23	64.47	-0.51	39.09	7	Silty sand & sandy silt	Sand like - Dilative
517	5	0.74	1.05	2.21	65.44	-0.49	40.55	7	Silty sand & sandy silt	Sand like - Dilative
518	5	0.73	1.05	2.18	66.86	-0.46	42.88	7	Silty sand & sandy silt	Sand like - Dilative
519	5	0.71	1.04	2.15	69.69	-0.61	45.45	7	Silty sand & sandy silt	Sand like - Dilative
520	5	0.71	1.04	2.14	69.89	-0.81	45.73	7	Silty sand & sandy silt	Sand like - Dilative
521	5	0.72	1.04	2.16	67.81	-0.98	44.55	7	Silty sand & sandy silt	Sand like - Dilative
522	5	0.73	1.04	2.19	64.95	-1	42.77	7	Silty sand & sandy silt	Sand like - Dilative
523	5	0.75	1.04	2.23	61.49	-0.96	40.4	7	Silty sand & sandy silt	Sand like - Dilative
524	5	0.77	1.04	2.29	56.72	-0.93	36.91	7	Silty sand & sandy silt	Sand like - Dilative
525	5	0.81	1.04	2.38	51.91	-0.84	31.35	5	Silty sand & sandy silt	Transitional - Dilative
526	4	0.84	1.04	2.48	48.53	-0.66	26.17	5	Clay & silty clay	Transitional - Dilative
527	4	0.87	1.04	2.54	47.19	0.01	22.98	5	Clay & silty clay	Transitional - Dilative
528	4	0.87	1.04	2.56	47.34	0.71	22.16	5	Clay & silty clay	Transitional - Dilative
529	4	0.87	1.04	2.56	47.84	1.12	21.89	3	Clay & silty clay	Clay-like - Dilative
530	4	0.85	1.03	2.49	54.13	1.14	23.7	5	Clay & silty clay	Transitional - Dilative
531	5	0.78	1.03	2.32	72.01	0.67	29.87	5	Silty sand & sandy silt	Transitional - Dilative
532	5	0.7	1.03	2.09	104.08	0.26	41.97	7	Silty sand & sandy silt	Sand like - Dilative

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Basic output data									
No	**SBTn**	**n**	**Cn**	**Ic**	**Qtn**	**U2**	**I(B)**	**Mod. SBTn**	**SBTn Description**	**SBTn Mod. Description**
533	6	0.58	1.02	1.78	172.06	-0.61	68.1	7	Sand & silty sand	Sand like - Dilative
534	6	0.51	1.02	1.59	229.76	-1.1	91.28	7	Sand & silty sand	Sand like - Dilative
535	6	0.5	1.01	1.58	232.72	-1.32	93.78	7	Sand & silty sand	Sand like - Dilative
536	6	0.55	1.02	1.7	196.02	-1.2	76.98	7	Sand & silty sand	Sand like - Dilative
537	6	0.6	1.02	1.84	162.56	-1.05	59.92	7	Sand & silty sand	Sand like - Dilative
538	6	0.58	1.01	1.8	176.86	-1.19	63.57	7	Sand & silty sand	Sand like - Dilative
539	6	0.56	1.01	1.73	194.92	-1.18	72.13	7	Sand & silty sand	Sand like - Dilative
540	6	0.49	1.01	1.55	205.75	-1.24	106.75	7	Sand & silty sand	Sand like - Dilative
541	6	0.42	1.01	1.36	206.87	-1.1	161.21	7	Sand & silty sand	Sand like - Dilative
542	0	1	1.02	0	201.76	-1.18	302.52	0	N/A	N/A
543	0	1	1.02	0	201.96	-1.22	302.79	0	N/A	N/A
544	0	1	1.01	0	205.71	-1.33	308.16	0	N/A	N/A
545	0	1	1.01	0	223.17	-1.42	333.09	0	N/A	N/A
546	0	1	1.01	0	235.48	-1.5	350.68	0	N/A	N/A

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
1	0.09	0	0	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
2	0.14	0	0	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
3	0.22	0	0	0	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0	0	0
4	0.28	0	0.01	3	4.84E-09	2.01E-07	0	1.3	0	0	0	5.6	14	0.01	0.89	0
5	0.34	0.36	0.02	3	9.98E-09	1.12E-06	0	3.51	0	0	0	11.84	14	0.02	1.83	0
6	0.42	0.45	0.07	3	8.38E-08	2.62E-05	0	9.77	0	0	0	22.44	14	0.05	4.01	0
7	0.47	1.36	0.06	4	8.87E-07	6.74E-04	1	23.73	0	0	0	35.57	14	0.12	8.83	0
8	0.56	3.36	0.03	5	4.53E-06	5.83E-03	1	40.18	39	36	35.18	44.83	0	0	0	0
9	0.59	3.99	0.03	6	1.80E-05	2.09E-02	1	36.25	40	35	43.28	55.15	0	0	0	0
10	0.67	6.35	0.04	6	2.79E-05	4.23E-02	2	47.34	43	36	52.21	66.53	0	0	0	0
11	0.72	7.53	0.06	6	3.35E-05	6.06E-02	2	56.54	45	36	60.35	76.89	0	0	0	0
12	0.81	7.44	0.06	6	2.82E-05	5.37E-02	2	59.41	45	36	65.38	83.31	0	0	0	0
13	0.86	7.44	0.07	6	2.35E-05	4.42E-02	2	58.9	44	36	67.04	85.42	0	0	0	0
14	0.95	7.35	0.06	6	2.05E-05	3.69E-02	2	56.4	43	36	65.81	83.85	0	0	0	0
15	1	6.53	0.05	6	1.91E-05	3.26E-02	2	53.24	41	35	62.88	80.12	0	0	0	0
16	1.06	6.26	0.04	6	1.70E-05	2.71E-02	2	49.58	39	35	59.79	76.19	0	0	0	0
17	1.15	5.99	0.05	5	1.33E-05	1.97E-02	2	46.16	38	34	58.2	74.15	0	0	0	0
18	1.19	5.26	0.04	5	7.80E-06	9.54E-03	1	38.17	36	34	53.02	67.55	0	0	0	0
19	1.29	3.27	0.04	5	4.51E-06	7.93E-03	1	54.86	34	34	48.08	61.26	0	0	0	0
20	1.33	3.45	0.04	5	2.63E-06	3.87E-03	1	45.93	32	34	44.38	56.54	0	0	0	0
21	1.38	3.36	0.04	5	2.84E-06	4.24E-03	1	46.7	31	34	44.52	56.72	0	0	0	0
22	1.48	3.45	0.03	5	2.65E-06	3.81E-03	1	44.89	30	34	43.31	55.19	0	0	0	0
23	1.52	3.08	0.03	5	3.11E-06	4.52E-03	1	45.28	30	33	42.44	54.08	0	0	0	0
24	1.59	3.45	0.03	5	3.57E-06	5.22E-03	1	45.65	29	33	41.74	53.18	0	0	0	0
25	1.67	3.54	0.02	5	5.02E-06	8.02E-03	1	49.83	29	32	42.83	54.57	0	0	0	0
26	1.72	3.99	0.01	5	6.67E-06	6.39E-03	1	29.89	29	32	42.7	54.41	0	0	0	0
27	1.8	3.99	0.01	5	6.34E-06	6.06E-03	1	29.85	28	32	43.05	54.85	0	0	0	0
28	1.86	3.54	0.02	5	5.61E-06	9.45E-03	1	52.6	28	32	44.32	56.47	0	0	0	0
29	1.9	4.08	0.02	5	6.42E-06	7.23E-03	1	35.14	30	32	50.55	64.41	0	0	0	0
30	1.99	5.9	0.03	5	7.84E-06	1.09E-02	2	43.3	32	33	60.09	76.57	0	0	0	0
31	2.05	6.62	0.05	5	1.03E-05	1.76E-02	2	53.44	35	34	70.58	89.93	0	0	0	0
32	2.13	7.89	0.06	5	1.18E-05	2.27E-02	2	60.18	36	34	77.59	98.87	0	0	0	0
33	2.2	8.44	0.06	5	1.43E-05	3.12E-02	2	68.15	37	34	84.84	108.1	0	0	0	0
34	2.25	9.62	0.07	5	1.27E-05	2.85E-02	2	70.31	38	35	89.47	114	0	0	0	0
35	2.32	8.71	0.09	5	1.11E-05	2.70E-02	3	75.82	39	35	98.76	125.83	0	0	0	0
36	2.39	10.52	0.12	5	1.06E-05	2.75E-02	3	80.81	40	36	106.11	135.21	0	0	0	0
37	2.43	11.52	0.12	5	1.35E-05	3.88E-02	3	89.94	42	36	113.2	144.24	0	0	0	0
38	2.53	12.16	0.11	6	1.66E-05	5.21E-02	3	98.11	42	36	118.92	151.52	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
39	2.57	13.61	0.12	5	1.34E-05	4.17E-02	3	96.9	42	36	121.98	155.42	0	0	0	0
40	2.67	11.07	0.16	5	1.19E-05	3.82E-02	4	100.25	43	36	129	164.37	0	0	0	0
41	2.72	13.43	0.16	5	8.73E-06	2.67E-02	3	95.38	43	37	129.8	165.39	0	0	0	0
42	2.77	11.79	0.16	5	1.01E-05	3.28E-02	4	101.12	43	37	134.02	170.77	0	0	0	0
43	2.84	13.24	0.17	5	9.11E-06	2.94E-02	4	100.59	43	37	135.85	173.09	0	0	0	0
44	2.9	13.24	0.18	5	9.03E-06	3.02E-02	4	104.41	44	37	141.24	179.96	0	0	0	0
45	2.96	13.24	0.2	5	8.95E-06	3.03E-02	4	105.61	44	37	143.08	182.31	0	0	0	0
46	3.02	13.7	0.18	5	1.08E-05	3.66E-02	4	105.57	43	36	138.19	176.07	0	0	0	0
47	3.11	13.24	0.11	5	1.59E-05	5.41E-02	4	106.27	41	35	129.8	165.39	0	0	0	0
48	3.15	13.52	0.08	6	2.40E-05	8.36E-02	4	108.65	41	35	123.13	156.89	0	0	0	0
49	3.25	14.6	0.08	6	2.96E-05	1.10E-01	4	115.62	41	35	126.19	160.79	0	0	0	0
50	3.3	15.87	0.09	6	3.22E-05	1.30E-01	4	126.48	42	35	135.93	173.2	0	0	0	0
51	3.35	17.6	0.12	6	3.17E-05	1.41E-01	4	139.03	44	36	149.86	190.95	0	0	0	0
52	3.43	19.32	0.17	6	3.18E-05	1.54E-01	5	150.87	46	36	162.48	207.03	0	0	0	0
53	3.49	20.32	0.17	6	3.34E-05	1.72E-01	5	160.3	47	37	171.11	218.03	0	0	0	0
54	3.54	21.14	0.17	6	2.97E-05	1.48E-01	5	155.76	46	37	169.83	216.4	0	0	0	0
55	3.63	17.6	0.17	6	2.55E-05	1.22E-01	5	148.53	45	36	166.47	212.11	0	0	0	0
56	3.69	17.6	0.16	6	1.78E-05	7.46E-02	4	131.11	43	36	156.93	199.96	0	0	0	0
57	3.78	14.6	0.15	6	1.67E-05	6.69E-02	4	125.02	42	36	151.32	192.81	0	0	0	0
58	3.83	15.33	0.13	6	1.72E-05	6.55E-02	4	119.07	41	35	143.37	182.68	0	0	0	0
59	3.88	15.38	0.1	6	2.29E-05	8.91E-02	4	121.23	40	35	138.53	176.52	0	0	0	0
60	3.94	15.42	0.08	6	3.02E-05	1.22E-01	4	125.55	40	35	136.5	173.93	0	0	0	0
61	4.02	16.96	0.08	6	3.47E-05	1.47E-01	4	132.17	41	35	140.12	178.54	0	0	0	0
62	4.07	17.87	0.1	6	4.33E-05	2.06E-01	5	148.37	42	35	151.13	192.57	0	0	0	0
63	4.16	21.5	0.11	6	5.35E-05	2.87E-01	5	167.47	44	36	164.21	209.23	0	0	0	0
64	4.21	24.13	0.12	6	6.39E-05	3.85E-01	6	188.03	46	36	178.52	227.47	0	0	0	0
65	4.27	25.58	0.15	6	6.45E-05	4.19E-01	6	203.02	48	37	192.45	245.21	0	0	0	0
66	4.35	27.12	0.19	6	6.86E-05	4.90E-01	7	222.62	50	37	208.64	265.84	0	0	0	0
67	4.4	31.48	0.21	6	7.64E-05	6.04E-01	7	247.06	52	38	227.12	289.39	0	0	0	0
68	4.47	34.74	0.25	6	8.40E-05	7.45E-01	8	277.06	54	38	250.37	319.02	0	0	0	0
69	4.54	38.37	0.33	6	8.45E-05	8.49E-01	9	313.84	58	39	283.3	360.98	0	0	0	0
70	4.63	45.27	0.46	6	8.68E-05	9.84E-01	10	353.74	61	40	317.72	404.83	0	0	0	0
71	4.67	49.71	0.52	6	9.86E-05	1.24E+00	11	392.45	64	40	344.5	438.96	0	0	0	0
72	4.74	52.88	0.52	6	1.16E-04	1.57E+00	12	420.95	65	40	358.57	456.88	0	0	0	0
73	4.82	55.97	0.52	6	1.33E-04	1.88E+00	12	440.28	66	40	365.89	466.21	0	0	0	0
74	4.86	56.97	0.52	6	1.55E-04	2.32E+00	13	467.63	67	40	378.36	482.1	0	0	0	0
75	4.93	63.14	0.57	6	1.72E-04	2.74E+00	14	496.86	69	40	396.43	505.12	0	0	0	0
76	5.02	67.94	0.62	6	2.04E-04	3.46E+00	15	529.11	71	41	422.17	537.91	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
77	5.07	75.38	0.66	6	2.35E-04	4.16E+00	15	553.71	73	41	441.79	562.92	0	0	0	0
78	5.12	78.19	0.67	6	2.59E-04	4.72E+00	16	569	74	41	453.99	578.47	0	0	0	0
79	5.21	78.19	0.68	6	2.72E-04	5.01E+00	16	575.38	74	41	459.08	584.95	0	0	0	0
80	5.26	80.01	0.67	6	2.23E-04	4.00E+00	16	561.04	72	41	447.64	570.37	0	0	0	0
81	5.35	64.22	0.65	6	1.65E-04	2.85E+00	15	538.52	70	41	430.6	548.67	0	0	0	0
82	5.39	58.51	0.63	6	1.25E-04	1.96E+00	14	490.15	67	41	412.28	525.32	0	0	0	0
83	5.45	61.87	0.61	6	1.25E-04	1.93E+00	13	481.68	67	41	405.13	516.21	0	0	0	0
84	5.52	61.05	0.57	6	1.45E-04	2.25E+00	13	486.23	66	40	398.2	507.38	0	0	0	0
85	5.59	60.23	0.5	6	1.55E-04	2.37E+00	13	477.48	65	40	386.22	492.11	0	0	0	0
86	5.65	58.6	0.47	6	1.62E-04	2.40E+00	13	462.43	64	40	370.93	472.63	0	0	0	0
87	5.73	55.42	0.42	6	1.55E-04	2.20E+00	12	442.33	62	39	357.56	455.59	0	0	0	0
88	5.79	52.7	0.4	6	1.40E-04	1.87E+00	12	417.91	61	39	344.5	438.96	0	0	0	0
89	5.85	49.44	0.39	6	1.25E-04	1.59E+00	11	397.64	60	39	334.39	426.07	0	0	0	0
90	5.91	47.81	0.36	6	1.22E-04	1.49E+00	11	381.92	58	39	322.52	410.95	0	0	0	0
91	5.99	46.81	0.31	6	1.29E-04	1.53E+00	10	369.07	57	38	308.44	393	0	0	0	0
92	6.05	44.63	0.26	6	9.75E-05	1.01E+00	9	323.77	54	38	284.79	362.88	0	0	0	0
93	6.12	30.84	0.26	6	4.97E-05	4.07E-01	8	255.69	49	37	254.05	323.7	0	0	0	0
94	6.17	21.32	0.23	6	2.01E-05	1.20E-01	6	185.91	44	36	217.51	277.14	0	0	0	0
95	6.26	18.51	0.17	5	1.35E-05	6.71E-02	5	155.52	41	35	195.71	249.37	0	0	0	0
96	6.32	19.5	0.16	6	1.54E-05	7.61E-02	5	154.13	40	35	189.28	241.18	0	0	0	0
97	6.37	20.82	0.16	6	1.73E-05	9.28E-02	6	167.65	42	35	201.68	256.98	0	0	0	0
98	6.45	23.59	0.23	5	1.12E-05	6.27E-02	6	174.64	43	36	227.21	289.51	0	0	0	0
99	6.5	22.13	0.41	5	4.74E-06	4.36E-02	6	287.06	43	38	249.29	317.65	0	0	0	0
100	6.59	16.87	0.54	5	1.93E-06	1.51E-02	6	244.59	41	39	249.9	318.42	0	0	0	0
101	6.64	14.51	0.46	4	1.06E-06	6.86E-03	5	201.89	0	0	0	292.93	14	1.03	5.3	0
102	6.69	12.97	0.33	4	9.19E-07	5.33E-03	5	181.14	0	0	0	269.74	14	0.92	4.72	0
103	6.77	12.34	0.36	5	1.24E-06	8.81E-03	6	222.62	40	39	246.61	314.22	0	0	0	0
104	6.83	23.31	0.77	5	3.67E-06	3.89E-02	7	330.82	46	39	300.96	383.48	0	0	0	0
105	6.89	36.19	0.63	5	9.14E-06	7.83E-02	10	267.34	53	39	360.84	459.77	0	0	0	0
106	6.98	41.82	0.7	5	1.61E-05	1.60E-01	10	308.99	55	39	376.3	479.47	0	0	0	0
107	7.03	39.1	0.71	5	1.15E-05	1.01E-01	10	272.32	52	39	352.46	449.09	0	0	0	0
108	7.11	22.5	0.49	5	6.24E-06	4.34E-02	8	217.16	48	39	314.05	400.15	0	0	0	0
109	7.17	21.14	0.49	9	5.84E-07	5.63E-03	8	300.72	0	0	0	486.05	14	1.53	7.31	0
110	7.26	22	2.71	9	1.49E-07	1.38E-03	9	288.58	0	0	0	596.98	14	1.47	6.93	0
111	7.3	19.78	3.32	9	7.38E-08	6.87E-04	9	290.54	0	0	0	682.81	14	1.48	6.94	0
112	7.36	21.5	3.01	9	3.12E-06	8.14E-02	18	814.05	0	0	0	971.65	14	4.15	19.29	0
113	7.45	134.25	2.84	8	1.73E-05	3.96E-01	24	715.15	81	45	860.22	1096.07	0	0	0	0
114	7.49	113.66	2.76	6	1.55E-04	6.25E+00	34	1255.69	98	46	1015.19	1293.53	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	SPT N60 (blows/feet)	Constrained Mod. (tsf)	Dr (%)	Friction angle (°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	Und. strength ratio	Kocr
115	7.55	224.33	2.54	6	1.08E-04	3.77E+00	31	1090.83	93	45	941.95	1200.21	0	0	0	0
116	7.64	72.48	2.27	6	8.65E-05	2.75E+00	29	990.47	89	45	890.18	1134.25	0	0	0	0
117	7.69	76.11	2.28	8	1.50E-05	2.80E-01	20	584.4	73	43	721.35	919.13	0	0	0	0
118	7.77	72.12	1.92	5	1.93E-05	3.57E-01	19	577.83	72	43	681.29	868.08	0	0	0	0
119	7.83	70.12	1.41	5	2.14E-05	3.60E-01	17	524.27	68	42	606.58	772.89	0	0	0	0
120	7.88	56.06	1.15	5	9.93E-06	1.26E-01	14	396.78	61	41	527.6	672.25	0	0	0	0
121	7.95	24.31	1.36	4	2.28E-06	3.38E-02	11	462.48	0	0	0	584.36	14	2.36	10.14	0
122	8.03	20.41	1.34	9	7.94E-07	9.09E-03	9	357.59	0	0	0	546.81	14	1.82	7.76	0
123	8.07	33.56	1.33	4	2.26E-06	3.41E-02	11	472.06	0	0	0	597.46	14	2.41	10.2	0
124	8.16	48.8	1.31	5	1.23E-05	1.67E-01	15	425.61	62	41	544.58	693.89	0	0	0	0
125	8.22	78.83	1.3	6	7.06E-05	1.58E+00	21	697.8	74	43	650.65	829.04	0	0	0	0
126	8.29	135.61	1.48	6	2.32E-04	7.17E+00	27	965.49	85	43	770.33	981.54	0	0	0	0
127	8.36	171.26	1.79	6	4.30E-04	1.55E+01	33	1122.33	94	45	895.48	1141	0	0	0	0
128	8.41	194.03	2.15	6	5.20E-04	2.06E+01	37	1238.03	100	45	987.79	1258.62	0	0	0	0
129	8.47	206.46	2.3	6	6.96E-04	2.89E+01	40	1294.65	100	46	1032.97	1316.19	0	0	0	0
130	8.55	229.5	1.99	6	8.60E-04	3.63E+01	41	1317.57	100	46	1051.25	1339.48	0	0	0	0
131	8.6	230.13	2.12	6	1.14E-03	4.73E+01	42	1301.16	100	46	1038.16	1322.8	0	0	0	0
132	8.68	231.95	1.89	6	1.54E-03	6.39E+01	43	1295.18	100	46	1033.39	1316.72	0	0	0	0
133	8.74	265.24	1.65	6	1.91E-03	8.13E+01	45	1330.93	100	47	1061.91	1353.06	0	0	0	0
134	8.8	279.66	2.19	6	1.82E-03	8.31E+01	48	1426.43	100	47	1138.11	1450.16	0	0	0	0
135	8.88	280.48	2.67	6	1.17E-03	5.89E+01	51	1574.01	100	47	1255.86	1600.19	0	0	0	0
136	8.93	280.48	3.32	6	6.50E-04	3.65E+01	54	1753.77	100	48	1399.28	1782.94	0	0	0	0
137	9	281.3	4.59	6	4.43E-04	2.67E+01	56	1883.54	100	48	1502.82	1914.87	0	0	0	0
138	9.06	282.29	4.54	6	3.54E-04	2.24E+01	57	1979.43	100	48	1579.33	2012.35	0	0	0	0
139	9.12	288.1	4.71	6	3.71E-04	2.50E+01	61	2105.27	100	49	1679.74	2140.28	0	0	0	0
140	9.19	342.98	5.83	8	3.69E-04	2.66E+01	65	2249.43	100	49	1794.76	2286.84	0	0	0	0
141	9.26	343.8	6.09	8	4.05E-04	3.03E+01	68	2335.03	100	49	1863.06	2373.87	0	0	0	0
142	9.32	342.71	5.4	6	4.70E-04	3.42E+01	67	2272.7	100	49	1813.32	2310.5	0	0	0	0
143	9.39	342.71	4.8	6	5.94E-04	4.13E+01	66	2174.18	100	49	1734.72	2210.34	0	0	0	0
144	9.46	341.62	4.56	6	6.80E-04	4.47E+01	63	2051.68	100	49	1636.98	2085.8	0	0	0	0
145	9.52	308.96	3.89	6	7.69E-04	4.76E+01	60	1931.25	100	48	1540.89	1963.37	0	0	0	0
146	9.58	305.61	3.4	6	9.02E-04	5.26E+01	57	1820.91	100	48	1452.86	1851.2	0	0	0	0
147	9.65	313.41	3.26	6	8.62E-04	4.84E+01	55	1751.05	100	48	1397.11	1780.17	0	0	0	0
148	9.72	266.24	3.29	6	6.54E-04	3.59E+01	52	1711.18	100	47	1365.3	1739.64	0	0	0	0
149	9.79	243.38	3.39	6	3.44E-04	1.79E+01	47	1624.34	100	47	1296.01	1651.35	0	0	0	0
150	9.89	185.96	3.29	6	2.17E-04	1.08E+01	43	1550.54	100	46	1237.14	1576.33	0	0	0	0
151	9.94	182.06	3.14	6	1.76E-04	8.31E+00	40	1470.41	99	45	1173.2	1494.87	0	0	0	0
152	9.98	190.58	2.82	6	2.47E-04	1.11E+01	39	1397.36	98	45	1114.92	1420.6	0	0	0	0

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CPT Results

	In situ data				Estimations											
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	SPT N60 (blows/feet)	Constrained Mod. (tsf)	Dr (%)	Friction angle (°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	Und. strength ratio	Kocr
153	10.05	191.58	2.13	6	4.11E-04	1.70E+01	38	1290.8	97	45	1029.9	1312.27	0	0	0	0
154	10.12	189.31	1.59	6	6.47E-04	2.45E+01	36	1185.08	95	45	945.54	1204.79	0	0	0	0
155	10.18	188.77	1.53	6	8.10E-04	2.93E+01	35	1129.6	94	45	901.27	1148.38	0	0	0	0
156	10.24	187.59	1.51	6	8.36E-04	3.00E+01	35	1121.15	94	45	894.53	1139.79	0	0	0	0
157	10.32	188.23	1.5	6	8.70E-04	3.12E+01	35	1118.49	94	44	892.41	1137.09	0	0	0	0
158	10.37	191.58	1.46	6	1.01E-03	3.52E+01	35	1092.71	93	44	871.84	1110.88	0	0	0	0
159	10.46	189.13	1.21	6	1.14E-03	3.90E+01	34	1066.16	92	44	850.66	1083.9	0	0	0	0
160	10.51	187.41	1.21	6	1.20E-03	4.14E+01	35	1081.23	93	44	862.68	1099.21	0	0	0	0
161	10.6	204.28	1.53	6	1.09E-03	3.97E+01	36	1135.38	95	45	905.89	1154.26	0	0	0	0
162	10.63	208.36	1.65	6	9.68E-04	3.67E+01	37	1182.1	96	45	943.17	1201.76	0	0	0	0
163	10.71	198.57	1.64	6	8.98E-04	3.43E+01	37	1190.94	96	45	950.22	1210.75	0	0	0	0
164	10.78	200.56	1.64	6	8.28E-04	3.14E+01	37	1183.18	95	45	944.03	1202.86	0	0	0	0
165	10.83	195.57	1.64	6	7.07E-04	2.61E+01	36	1154.87	93	44	921.44	1174.08	0	0	0	0
166	10.9	168.09	1.53	6	5.47E-04	1.92E+01	33	1095.73	89	44	874.25	1113.96	0	0	0	0
167	10.98	147.59	1.35	6	3.43E-04	1.16E+01	30	1053.86	85	43	840.85	1071.39	0	0	0	0
168	11.03	136.52	1.62	6	2.47E-04	8.07E+00	29	1018.68	82	43	812.78	1035.62	0	0	0	0
169	11.11	128.17	1.47	6	2.14E-04	6.65E+00	27	971.14	79	42	774.84	987.29	0	0	0	0
170	11.18	118.29	1.05	6	2.16E-04	6.22E+00	25	900.26	76	42	718.29	915.24	0	0	0	0
171	11.23	109.31	1.04	6	2.18E-04	5.82E+00	23	833.59	73	41	665.1	847.46	0	0	0	0
172	11.32	102.5	0.96	6	1.74E-04	4.44E+00	22	796.64	70	41	635.62	809.89	0	0	0	0
173	11.37	91.26	0.88	6	1.35E-04	3.12E+00	20	724.35	67	41	601.08	765.88	0	0	0	0
174	11.42	79.92	0.85	6	9.41E-05	1.95E+00	19	645.38	64	40	571.31	727.95	0	0	0	0
175	11.51	72.93	0.84	6	7.05E-05	1.34E+00	18	593.19	62	40	553.24	704.93	0	0	0	0
176	11.55	71.75	0.82	6	6.46E-05	1.16E+00	17	562.74	60	40	533.22	679.42	0	0	0	0
177	11.63	68.58	0.69	6	7.04E-05	1.24E+00	16	550.42	60	40	513.57	654.38	0	0	0	0
178	11.7	68.35	0.62	6	7.80E-05	1.35E+00	16	541.33	59	39	495.77	631.7	0	0	0	0
179	11.75	68.35	0.62	6	8.03E-05	1.39E+00	16	540.17	59	39	492.12	627.06	0	0	0	0
180	11.81	68.12	0.65	6	7.68E-05	1.33E+00	16	542.57	59	39	498.27	634.88	0	0	0	0
181	11.91	69.21	0.68	6	7.16E-05	1.25E+00	16	546.81	59	39	508.53	647.95	0	0	0	0
182	11.96	69.94	0.72	6	6.57E-05	1.17E+00	17	554.6	59	40	523.97	667.63	0	0	0	0
183	12.05	71.03	0.81	6	6.01E-05	1.08E+00	17	561.11	60	40	538.76	686.47	0	0	0	0
184	12.08	71.66	0.84	6	5.58E-05	1.02E+00	17	569.8	60	40	554.38	706.38	0	0	0	0
185	12.15	73.2	0.9	6	5.27E-05	9.79E-01	18	579.95	61	40	570.15	726.47	0	0	0	0
186	12.24	74.84	0.98	6	4.95E-05	9.33E-01	18	588.16	61	40	584.73	745.04	0	0	0	0
187	12.27	74.75	1	6	4.82E-05	9.27E-01	18	600.99	62	40	600.52	765.17	0	0	0	0
188	12.34	78.01	1.06	6	4.81E-05	9.51E-01	19	616.68	63	40	616.26	785.23	0	0	0	0
189	12.42	80.73	1.13	6	4.86E-05	9.91E-01	19	636.48	64	41	634.99	809.09	0	0	0	0
190	12.49	82.18	1.18	6	4.86E-05	1.01E+00	20	650.74	64	41	649.2	827.2	0	0	0	0

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	In situ data				Estimations											
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	SPT N60 (blows/feet)	Constrained Mod. (tsf)	Dr (%)	Friction angle (°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	Und. strength ratio	Kocr
191	12.54	83.36	1.2	6	4.87E-05	1.03E+00	20	662.6	65	41	660.82	842.01	0	0	0	0
192	12.63	85.18	1.24	6	5.13E-05	1.11E+00	20	673.7	65	41	665.62	848.12	0	0	0	0
193	12.67	86.36	1.18	6	5.85E-05	1.29E+00	21	688.21	65	41	663.99	846.04	0	0	0	0
194	12.74	88.81	1.11	6	6.81E-05	1.53E+00	21	703.16	66	41	659.93	840.87	0	0	0	0
195	12.82	90.8	1.11	6	7.47E-05	1.71E+00	21	714.24	66	41	659.23	839.97	0	0	0	0
196	12.87	90.53	1.12	6	7.42E-05	1.71E+00	21	718.09	66	41	663.59	845.54	0	0	0	0
197	12.94	90.26	1.15	6	7.07E-05	1.62E+00	21	715.9	66	41	667.37	850.36	0	0	0	0
198	13	89.99	1.16	6	6.68E-05	1.52E+00	21	711.29	66	41	669.92	853.6	0	0	0	0
199	13.06	88.81	1.16	6	6.36E-05	1.44E+00	21	705.92	65	41	670.82	854.75	0	0	0	0
200	13.13	88.26	1.17	6	6.05E-05	1.35E+00	21	697.66	65	41	668.92	852.33	0	0	0	0
201	13.22	86.9	1.16	6	5.80E-05	1.28E+00	21	690.36	65	41	666.97	849.84	0	0	0	0
202	13.27	86.09	1.15	6	5.68E-05	1.25E+00	21	685.27	64	41	664.73	846.99	0	0	0	0
203	13.32	86.36	1.16	6	5.70E-05	1.25E+00	21	686.95	64	41	665.93	848.51	0	0	0	0
204	13.4	87.54	1.16	6	5.95E-05	1.33E+00	21	697.8	65	41	671.11	855.12	0	0	0	0
205	13.46	90.17	1.17	6	6.50E-05	1.50E+00	21	718.33	65	41	679.89	866.3	0	0	0	0
206	13.52	94.07	1.19	6	7.00E-05	1.66E+00	22	738.61	66	41	689.85	878.99	0	0	0	0
207	13.59	95.16	1.21	6	7.24E-05	1.75E+00	22	753.55	67	41	699.43	891.2	0	0	0	0
208	13.65	95.79	1.24	6	7.29E-05	1.78E+00	22	763.42	67	41	707.8	901.87	0	0	0	0
209	13.73	97.79	1.26	6	7.42E-05	1.84E+00	23	775.48	67	41	716.62	913.1	0	0	0	0
210	13.8	99.69	1.28	6	7.52E-05	1.90E+00	23	787.57	68	41	726.04	925.1	0	0	0	0
211	13.87	100.33	1.32	6	7.40E-05	1.88E+00	23	795.26	68	41	735.36	936.97	0	0	0	0
212	13.93	100.69	1.36	6	6.93E-05	1.77E+00	24	796.93	68	41	745.58	950.01	0	0	0	0
213	13.98	100.33	1.42	6	6.03E-05	1.52E+00	24	789.13	68	41	757.18	964.78	0	0	0	0
214	14.06	97.42	1.52	6	4.44E-05	1.07E+00	23	754.76	67	41	765.26	975.08	0	0	0	0
215	14.12	87.81	1.63	6	2.58E-05	5.66E-01	22	683.64	65	41	764.58	974.21	0	0	0	0
216	14.18	73.66	1.77	5	1.21E-05	2.27E-01	20	585.93	61	41	751.77	957.9	0	0	0	0
217	14.27	60.78	1.9	5	5.63E-06	1.55E-01	18	861.1	57	41	724.98	923.75	0	0	0	0
218	14.32	52.61	1.83	5	2.90E-06	6.65E-02	16	714.24	52	41	677.86	863.71	0	0	0	0
219	14.42	42.18	1.59	4	1.94E-06	3.87E-02	15	621.17	0	0	0	807.83	14	3.17	7.52	0
220	14.46	40.82	1.53	4	1.56E-06	2.83E-02	14	567.17	0	0	0	767.53	14	2.89	6.84	0
221	14.51	41	1.51	4	1.61E-06	2.94E-02	14	569.32	0	0	0	765.94	14	2.9	6.84	0
222	14.58	42.63	1.54	4	1.85E-06	3.54E-02	14	596.75	0	0	0	782.95	14	3.04	7.14	0
223	14.64	46.72	1.61	5	2.20E-06	4.49E-02	15	637.2	49	41	635.8	810.13	0	0	0	0
224	14.7	49.71	1.69	5	2.47E-06	5.23E-02	15	661.53	50	41	646.5	823.76	0	0	0	0
225	14.79	47.9	1.6	5	2.43E-06	5.10E-02	15	653.58	50	41	640.41	815.99	0	0	0	0
226	14.84	45.08	1.52	5	2.33E-06	4.67E-02	15	626.22	49	41	618.61	788.22	0	0	0	0
227	14.9	43.9	1.4	5	2.80E-06	5.57E-02	14	620.64	48	40	592.9	755.47	0	0	0	0
228	14.99	46.72	1.13	5	4.95E-06	1.07E-01	15	677.75	50	39	584.05	744.19	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
229	15.04	57.33	1.08	5	1.44E-05	2.23E-01	17	484.78	54	39	602.94	768.26	0	0	0	0
230	15.1	80.46	1.07	6	4.41E-05	8.98E-01	20	635.91	60	40	645.72	822.76	0	0	0	0
231	15.18	103.41	1.02	6	1.11E-04	2.83E+00	23	798.4	66	41	686.49	874.71	0	0	0	0
232	15.23	118.29	1.01	6	1.87E-04	5.44E+00	25	908.07	70	41	724.53	923.17	0	0	0	0
233	15.32	128.63	1.15	6	2.27E-04	6.90E+00	26	947.14	72	41	755.7	962.89	0	0	0	0
234	15.35	131.44	1.19	6	2.42E-04	7.67E+00	28	987.57	74	41	787.96	1004	0	0	0	0
235	15.44	138.88	1.27	6	2.46E-04	7.98E+00	28	1011	75	41	806.65	1027.81	0	0	0	0
236	15.49	139.24	1.3	6	2.43E-04	8.05E+00	29	1032.5	76	42	823.81	1049.68	0	0	0	0
237	15.57	139.24	1.35	6	2.35E-04	7.82E+00	29	1040.27	76	42	830	1057.57	0	0	0	0
238	15.66	139.24	1.34	6	2.32E-04	7.75E+00	29	1044.81	76	42	833.62	1062.18	0	0	0	0
239	15.7	140.06	1.34	6	2.32E-04	7.76E+00	29	1044.69	76	42	833.53	1062.06	0	0	0	0
240	15.76	139.33	1.35	6	2.31E-04	7.70E+00	29	1039.63	75	42	829.49	1056.92	0	0	0	0
241	15.85	137.06	1.29	6	2.32E-04	7.67E+00	29	1033.04	75	41	824.24	1050.22	0	0	0	0
242	15.88	137.61	1.27	6	2.29E-04	7.58E+00	29	1031.35	75	41	822.89	1048.51	0	0	0	0
243	15.95	137.88	1.34	6	2.09E-04	6.99E+00	29	1045.47	75	41	834.15	1062.86	0	0	0	0
244	16.04	135.7	1.45	6	1.80E-04	6.14E+00	29	1065.94	75	42	850.49	1083.67	0	0	0	0
245	16.09	134.43	1.51	6	1.43E-04	4.81E+00	29	1049.35	74	42	861.04	1097.12	0	0	0	0
246	16.17	126.27	1.58	6	1.26E-04	4.20E+00	29	1037.43	74	42	870.73	1109.46	0	0	0	0
247	16.23	131.17	1.62	6	1.16E-04	3.82E+00	29	1030.73	74	42	878.82	1119.77	0	0	0	0
248	16.28	131.89	1.65	6	1.19E-04	4.01E+00	29	1050.06	74	42	890.68	1134.88	0	0	0	0
249	16.38	133.53	1.68	6	1.18E-04	4.01E+00	30	1058.48	74	42	899.12	1145.64	0	0	0	0
250	16.41	134.34	1.7	6	1.17E-04	3.99E+00	30	1064.28	74	42	905.55	1153.84	0	0	0	0
251	16.47	134.07	1.72	6	1.14E-04	3.88E+00	30	1060.12	74	42	905.97	1154.36	0	0	0	0
252	16.57	131.98	1.69	6	1.12E-04	3.76E+00	30	1050.9	74	42	901.97	1149.27	0	0	0	0
253	16.62	130.9	1.66	6	1.08E-04	3.60E+00	29	1036.12	73	42	893.94	1139.03	0	0	0	0
254	16.7	128.54	1.64	6	1.04E-04	3.38E+00	29	1018.66	73	42	886.02	1128.95	0	0	0	0
255	16.76	125.45	1.62	6	9.72E-05	3.10E+00	29	996.6	72	42	877.14	1117.63	0	0	0	0
256	16.81	122.64	1.6	6	9.05E-05	2.82E+00	28	972.87	71	42	867.39	1105.2	0	0	0	0
257	16.87	119.65	1.58	6	8.36E-05	2.55E+00	28	951.07	70	42	860.12	1095.95	0	0	0	0
258	16.95	117.29	1.59	6	7.87E-05	2.36E+00	27	936.89	70	42	856.6	1091.47	0	0	0	0
259	17	117.34	1.59	6	7.62E-05	2.27E+00	27	930.78	70	42	856.06	1090.77	0	0	0	0
260	17.07	117.38	1.59	6	7.82E-05	2.34E+00	27	934.36	70	42	855.23	1089.71	0	0	0	0
261	17.14	118.65	1.55	6	8.32E-05	2.48E+00	27	930.74	69	42	842.52	1073.53	0	0	0	0
262	17.22	116.02	1.41	6	9.23E-05	2.72E+00	26	918.03	69	41	815.43	1039.01	0	0	0	0
263	17.29	112.66	1.24	6	1.03E-04	2.94E+00	26	895.91	68	41	780.75	994.81	0	0	0	0
264	17.32	110.4	1.14	6	1.13E-04	3.15E+00	25	867.78	66	41	742.8	946.46	0	0	0	0
265	17.41	105.5	0.99	6	1.16E-04	3.14E+00	24	842.28	65	40	717.47	914.18	0	0	0	0
266	17.46	103.14	0.98	6	1.09E-04	2.86E+00	23	817.25	64	40	704.04	897.07	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
267	17.52	101.05	1.04	6	9.34E-05	2.38E+00	23	796.84	64	40	706.39	900.06	0	0	0	0
268	17.62	97.88	1.08	6	8.14E-05	2.03E+00	23	779.85	63	40	708.71	903.02	0	0	0	0
269	17.66	96.79	1.06	6	8.40E-05	2.07E+00	22	767.78	62	40	693.71	883.91	0	0	0	0
270	17.75	96.52	0.89	6	9.95E-05	2.42E+00	22	760.3	62	40	666.31	849	0	0	0	0
271	17.81	95.07	0.76	6	1.16E-04	2.79E+00	21	747.2	61	39	636.45	810.95	0	0	0	0
272	17.86	91.89	0.74	6	9.94E-05	2.27E+00	20	713.51	60	39	625.38	796.85	0	0	0	0
273	17.94	83.91	0.85	6	7.25E-05	1.59E+00	20	682.84	59	39	633.6	807.32	0	0	0	0
274	18	83.59	0.94	6	5.27E-05	1.12E+00	20	660.67	58	39	649.41	827.46	0	0	0	0
275	18.05	83.59	1	6	4.47E-05	9.43E-01	20	658.9	58	40	667.46	850.46	0	0	0	0
276	18.13	83.27	1.09	6	4.45E-05	9.64E-01	21	675.95	59	40	685.06	872.89	0	0	0	0
277	18.19	89.99	1.1	6	5.50E-05	1.27E+00	22	720.89	60	40	703.36	896.2	0	0	0	0
278	18.25	100.42	1.07	6	8.21E-05	2.09E+00	23	794.09	63	40	720.51	918.06	0	0	0	0
279	18.31	110.67	1.05	6	1.12E-04	3.07E+00	24	855.29	65	40	733.36	934.43	0	0	0	0
280	18.38	112.94	1.06	6	1.35E-04	3.81E+00	25	884.26	66	40	733.64	934.79	0	0	0	0
281	18.47	111.3	0.98	6	1.46E-04	4.13E+00	24	881.95	65	40	720.96	918.63	0	0	0	0
282	18.52	109.85	0.9	6	1.64E-04	4.53E+00	24	863.96	65	40	691.89	881.59	0	0	0	0
283	18.59	106.22	0.76	6	1.86E-04	4.93E+00	23	825.82	64	39	658.9	839.55	0	0	0	0
284	18.66	103.14	0.66	6	1.92E-04	4.91E+00	22	796.97	62	39	635.88	810.22	0	0	0	0
285	18.72	100.6	0.7	6	1.55E-04	3.90E+00	22	786.96	62	39	636.76	811.34	0	0	0	0
286	18.77	94.79	0.84	6	8.94E-05	2.14E+00	22	746.81	60	40	667.23	850.16	0	0	0	0
287	18.85	88.08	1.12	6	4.86E-05	1.09E+00	21	698.17	59	40	696.56	887.55	0	0	0	0
288	18.91	82.37	1.22	6	2.81E-05	5.82E-01	21	647.86	57	40	713.85	909.57	0	0	0	0
289	18.98	75.93	1.27	5	2.05E-05	4.02E-01	20	610.82	56	39	712.17	907.43	0	0	0	0
290	19.05	74.2	1.25	5	1.90E-05	3.64E-01	20	598.23	55	39	707.19	901.09	0	0	0	0
291	19.1	77.65	1.2	6	2.49E-05	5.01E-01	21	627.5	56	39	706.43	900.11	0	0	0	0
292	19.18	86.9	1.12	6	3.88E-05	8.62E-01	22	693.6	59	40	720.68	918.27	0	0	0	0
293	19.25	98.97	1.16	6	5.42E-05	1.32E+00	23	762.53	61	40	745.83	950.32	0	0	0	0
294	19.34	103.5	1.27	6	6.08E-05	1.57E+00	24	805.02	63	40	771.1	982.53	0	0	0	0
295	19.36	102.87	1.3	6	5.97E-05	1.55E+00	24	811.97	63	40	780.38	994.34	0	0	0	0
296	19.43	101.6	1.26	6	5.61E-05	1.44E+00	24	801.85	63	40	779.56	993.3	0	0	0	0
297	19.49	99.69	1.29	6	5.30E-05	1.35E+00	24	794.94	62	40	780.8	994.88	0	0	0	0
298	19.56	100.24	1.33	6	4.85E-05	1.23E+00	24	788.93	62	40	787.34	1003.21	0	0	0	0
299	19.62	99.33	1.37	6	4.27E-05	1.07E+00	24	778.97	62	40	795.44	1013.54	0	0	0	0
300	19.72	95.97	1.43	6	3.74E-05	9.14E-01	24	763.9	61	40	799.2	1018.32	0	0	0	0
301	19.77	94.61	1.44	6	3.34E-05	7.99E-01	24	747.9	61	40	798.66	1017.64	0	0	0	0
302	19.82	93.34	1.42	6	3.20E-05	7.56E-01	23	736.52	60	40	792.33	1009.57	0	0	0	0
303	19.89	91.71	1.38	6	3.15E-05	7.33E-01	23	726.82	60	40	784.4	999.46	0	0	0	0
304	19.96	90.98	1.35	6	3.10E-05	7.12E-01	23	717.63	59	40	776.81	989.8	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
305	20.02	89.9	1.34	6	3.03E-05	6.87E-01	23	708.42	59	40	769.99	981.11	0	0	0	0
306	20.11	88.26	1.32	6	2.91E-05	6.52E-01	23	698.73	58	40	764.61	974.26	0	0	0	0
307	20.16	87.36	1.31	6	2.84E-05	6.28E-01	22	689.74	58	40	758.18	966.06	0	0	0	0
308	20.21	86.54	1.28	6	2.91E-05	6.40E-01	22	686.94	58	40	752	958.18	0	0	0	0
309	20.3	87.22	1.24	6	2.97E-05	6.52E-01	22	684.47	58	40	746.34	950.97	0	0	0	0
310	20.35	86.45	1.23	6	3.16E-05	6.94E-01	22	685.9	58	40	739.82	942.66	0	0	0	0
311	20.44	87.08	1.18	6	3.42E-05	7.53E-01	22	687.44	58	39	730.88	931.28	0	0	0	0
312	20.49	87.81	1.1	6	3.88E-05	8.57E-01	22	690.09	57	39	717.2	913.84	0	0	0	0
313	20.54	87.45	1.03	6	4.36E-05	9.59E-01	21	687.13	57	39	699.24	890.96	0	0	0	0
314	20.61	85.99	0.96	6	4.82E-05	1.05E+00	21	677.15	57	39	676.44	861.91	0	0	0	0
315	20.68	84.09	0.84	6	4.89E-05	1.03E+00	20	659.4	56	39	657.17	837.35	0	0	0	0
316	20.78	80.82	0.85	6	4.64E-05	9.55E-01	20	641.9	55	39	645.65	822.67	0	0	0	0
317	20.8	79.46	0.87	6	4.08E-05	8.14E-01	19	622.5	54	39	640.95	816.68	0	0	0	0
318	20.87	76.83	0.85	6	3.59E-05	6.99E-01	19	608.2	54	39	641.05	816.81	0	0	0	0
319	20.96	75.47	0.9	6	3.09E-05	5.86E-01	19	593.42	53	38	642.74	818.96	0	0	0	0
320	21.01	73.93	0.93	6	2.76E-05	5.22E-01	19	590.26	53	38	652.26	831.09	0	0	0	0
321	21.07	75.65	0.97	6	3.14E-05	6.20E-01	20	617.83	54	39	667.24	850.18	0	0	0	0
322	21.16	85.81	0.98	6	4.01E-05	8.45E-01	21	658.22	56	39	679.96	866.4	0	0	0	0
323	21.21	89.08	0.94	6	5.36E-05	1.20E+00	21	697.16	57	39	683.33	870.68	0	0	0	0
324	21.27	90.26	0.88	6	6.32E-05	1.44E+00	21	712.82	57	39	678.18	864.13	0	0	0	0
325	21.35	91.71	0.86	6	6.81E-05	1.57E+00	21	718.53	57	39	674.4	859.31	0	0	0	0
326	21.4	91.26	0.87	6	6.93E-05	1.59E+00	21	716.72	57	39	670.61	854.47	0	0	0	0
327	21.47	89.62	0.84	6	6.90E-05	1.57E+00	21	709.42	57	39	664.25	846.37	0	0	0	0
328	21.54	88.99	0.8	6	7.05E-05	1.59E+00	21	705.24	57	39	657.71	838.04	0	0	0	0
329	21.59	89.71	0.8	6	7.07E-05	1.59E+00	21	703.33	57	39	655.73	835.51	0	0	0	0
330	21.67	88.9	0.82	6	6.78E-05	1.53E+00	21	705.45	57	39	662.68	844.37	0	0	0	0
331	21.73	89.8	0.87	6	6.35E-05	1.44E+00	21	709.06	57	39	673.9	858.67	0	0	0	0
332	21.79	91.07	0.92	6	5.54E-05	1.25E+00	21	707.09	57	39	688.92	877.81	0	0	0	0
333	21.88	88.17	1	6	4.56E-05	1.02E+00	22	695.23	56	39	701.51	893.85	0	0	0	0
334	21.93	85.36	1.05	6	3.24E-05	6.86E-01	21	660.88	55	39	709.46	903.97	0	0	0	0
335	22	78.19	1.13	6	2.27E-05	4.52E-01	21	622.18	54	39	712.41	907.74	0	0	0	0
336	22.05	73.66	1.18	5	1.48E-05	2.72E-01	20	572.79	52	39	708.49	902.75	0	0	0	0
337	22.12	66.85	1.2	5	9.76E-06	1.63E-01	19	520.28	50	38	693.95	884.21	0	0	0	0
338	22.21	58.51	1.17	5	6.10E-06	9.12E-02	18	466.53	47	38	677.49	863.24	0	0	0	0
339	22.26	53.52	1.21	5	3.67E-06	8.62E-02	17	732.2	45	39	665.97	848.56	0	0	0	0
340	22.31	48.8	1.32	5	2.28E-06	4.92E-02	16	674.73	43	39	669.2	852.68	0	0	0	0
341	22.4	46.17	1.44	5	1.91E-06	4.00E-02	16	654.75	43	39	670.67	854.56	0	0	0	0
342	22.44	49.21	1.31	5	1.70E-06	3.37E-02	15	619.37	42	39	647.81	825.43	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
343	22.54	41.18	1.1	5	2.40E-06	4.88E-02	15	635.43	42	38	624.45	795.66	0	0	0	0
344	22.59	49.62	0.99	5	4.48E-06	1.00E-01	15	697.81	44	38	612.33	780.22	0	0	0	0
345	22.64	62.59	0.91	5	1.05E-05	1.59E-01	17	473.14	47	38	623.08	793.91	0	0	0	0
346	22.73	69.03	0.86	6	2.22E-05	3.96E-01	19	557.47	50	38	641.02	816.78	0	0	0	0
347	22.78	81.28	0.87	6	3.20E-05	6.25E-01	20	609.85	52	38	656.17	836.08	0	0	0	0
348	22.84	82.28	0.9	6	3.71E-05	7.68E-01	20	646.27	54	39	676.99	862.6	0	0	0	0
349	22.93	82.82	0.98	6	3.55E-05	7.47E-01	21	657.25	54	39	694.02	884.3	0	0	0	0
350	22.98	85.45	1.03	6	3.40E-05	7.33E-01	21	671.69	55	39	714.66	910.61	0	0	0	0
351	23.05	87.72	1.1	6	3.31E-05	7.28E-01	22	685.37	55	39	732.78	933.7	0	0	0	0
352	23.11	87.99	1.15	6	3.07E-05	6.81E-01	22	692.1	56	39	750.16	955.84	0	0	0	0
353	23.17	87.99	1.22	6	2.80E-05	6.23E-01	22	693.32	56	39	764	973.47	0	0	0	0
354	23.24	88.17	1.27	6	2.64E-05	5.89E-01	23	695.81	56	39	775.03	987.52	0	0	0	0
355	23.31	88.9	1.28	6	2.64E-05	5.94E-01	23	701.9	56	39	781.97	996.37	0	0	0	0
356	23.36	90.26	1.28	6	2.82E-05	6.45E-01	23	714	56	39	785.96	1001.45	0	0	0	0
357	23.45	92.71	1.27	6	3.13E-05	7.34E-01	23	731.87	57	39	790.62	1007.39	0	0	0	0
358	23.5	95.61	1.27	6	3.71E-05	9.02E-01	24	760.13	58	40	796.48	1014.86	0	0	0	0
359	23.57	100.87	1.25	6	4.36E-05	1.10E+00	24	787.2	59	40	800.75	1020.3	0	0	0	0
360	23.64	102.87	1.23	6	4.89E-05	1.26E+00	25	807.24	59	40	804.53	1025.11	0	0	0	0
361	23.69	103.14	1.24	6	4.72E-05	1.22E+00	25	806.75	59	40	809.17	1031.02	0	0	0	0
362	23.78	100.69	1.3	6	4.15E-05	1.05E+00	25	793.66	59	40	814.76	1038.15	0	0	0	0
363	23.82	97.97	1.34	6	3.49E-05	8.58E-01	24	768.24	58	40	813.85	1036.99	0	0	0	0
364	23.89	93.61	1.32	6	2.94E-05	6.94E-01	24	736.54	57	39	804.69	1025.32	0	0	0	0
365	23.97	88.81	1.29	6	2.44E-05	5.49E-01	23	702.15	56	39	793.4	1010.94	0	0	0	0
366	24.03	85.09	1.31	5	2.08E-05	4.51E-01	23	675.55	55	39	785.58	1000.96	0	0	0	0
367	24.1	83.64	1.31	5	1.89E-05	4.03E-01	22	665.73	54	39	788.02	1004.07	0	0	0	0
368	24.17	85.13	1.36	5	1.77E-05	3.74E-01	22	660.4	54	39	791.22	1008.16	0	0	0	0
369	24.21	83.09	1.37	5	1.82E-05	3.86E-01	22	664.42	54	39	792.09	1009.26	0	0	0	0
370	24.3	85.18	1.3	5	2.01E-05	4.37E-01	23	677.02	54	39	792.05	1009.21	0	0	0	0
371	24.36	89.9	1.3	6	2.49E-05	5.67E-01	23	710.77	56	39	800.13	1019.51	0	0	0	0
372	24.41	95.79	1.34	6	2.92E-05	7.02E-01	24	750.91	57	39	821.46	1046.68	0	0	0	0
373	24.48	100.24	1.43	6	2.96E-05	7.35E-01	25	774.76	58	40	845.3	1077.06	0	0	0	0
374	24.55	98.88	1.52	6	2.65E-05	6.51E-01	25	766.9	58	40	853.72	1087.79	0	0	0	0
375	24.61	92.89	1.47	6	2.41E-05	5.73E-01	24	743.73	57	40	842.6	1073.62	0	0	0	0
376	24.68	91.62	1.36	6	2.33E-05	5.42E-01	24	724.76	56	39	825.59	1051.95	0	0	0	0
377	24.74	91.8	1.36	6	2.50E-05	5.83E-01	24	727.36	56	39	818.18	1042.5	0	0	0	0
378	24.84	93.89	1.36	6	2.61E-05	6.14E-01	24	736.02	56	39	821.89	1047.23	0	0	0	0
379	24.89	94.88	1.36	6	2.71E-05	6.46E-01	24	745.7	57	39	827.06	1053.82	0	0	0	0
380	24.94	95.43	1.38	6	2.74E-05	6.58E-01	24	749.08	57	39	828.79	1056.03	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
381	25.03	95.16	1.36	6	2.79E-05	6.70E-01	24	749.8	57	39	827.14	1053.93	0	0	0	0
382	25.08	95.16	1.33	6	2.86E-05	6.87E-01	24	749.06	57	39	822.42	1047.91	0	0	0	0
383	25.14	95.16	1.32	6	2.91E-05	6.99E-01	24	749.02	56	39	819.71	1044.46	0	0	0	0
384	25.23	95.16	1.32	6	2.94E-05	7.08E-01	24	750.39	56	39	819.66	1044.39	0	0	0	0
385	25.27	95.7	1.31	6	3.03E-05	7.32E-01	24	755.46	57	39	821.09	1046.22	0	0	0	0
386	25.36	97.06	1.32	6	3.18E-05	7.77E-01	24	761.98	57	39	820.68	1045.69	0	0	0	0
387	25.42	97.61	1.28	6	3.36E-05	8.27E-01	24	768.75	57	39	819.92	1044.72	0	0	0	0
388	25.46	98.24	1.27	6	3.44E-05	8.53E-01	25	773.82	57	39	821.66	1046.94	0	0	0	0
389	25.54	98.97	1.32	6	3.42E-05	8.55E-01	25	779.83	57	39	829	1056.29	0	0	0	0
390	25.61	99.87	1.35	6	3.53E-05	8.89E-01	25	786.34	57	39	831.21	1059.11	0	0	0	0
391	25.66	100.69	1.27	6	3.95E-05	1.00E+00	25	793.31	58	39	821.79	1047.11	0	0	0	0
392	25.72	101.6	1.17	6	4.48E-05	1.14E+00	25	798.11	58	39	808.13	1029.7	0	0	0	0
393	25.79	101.69	1.15	6	4.81E-05	1.23E+00	25	799.75	58	39	799.35	1018.51	0	0	0	0
394	25.89	101.32	1.15	6	4.84E-05	1.24E+00	25	800.36	58	39	798.96	1018.01	0	0	0	0
395	25.94	101.87	1.15	6	4.84E-05	1.24E+00	25	798.99	57	39	797.67	1016.37	0	0	0	0
396	25.98	101.14	1.14	6	4.80E-05	1.22E+00	24	792.95	57	39	792.75	1010.1	0	0	0	0
397	26.08	98.97	1.11	6	4.72E-05	1.19E+00	24	785.49	57	39	787.66	1003.62	0	0	0	0
398	26.12	98.97	1.1	6	4.69E-05	1.17E+00	24	780.55	57	39	783.75	998.64	0	0	0	0
399	26.18	99.24	1.1	6	4.69E-05	1.17E+00	24	780.54	57	39	783.72	998.59	0	0	0	0
400	26.27	98.97	1.1	6	4.74E-05	1.19E+00	24	782.68	57	39	784.4	999.46	0	0	0	0
401	26.32	99.78	1.1	6	4.89E-05	1.23E+00	24	785.55	57	39	782.84	997.48	0	0	0	0
402	26.4	100.33	1.07	6	5.16E-05	1.31E+00	24	793.73	57	39	783.45	998.26	0	0	0	0
403	26.46	102.05	1.08	6	5.65E-05	1.46E+00	25	808.24	57	39	784.63	999.76	0	0	0	0
404	26.52	105.23	1.06	6	6.26E-05	1.68E+00	25	835.78	58	39	796.38	1014.73	0	0	0	0
405	26.59	110.67	1.13	6	6.41E-05	1.77E+00	26	863.5	59	40	819.27	1043.9	0	0	0	0
406	26.66	112.48	1.27	6	5.14E-05	1.44E+00	27	872.04	60	40	861.2	1097.32	0	0	0	0
407	26.75	108.49	1.54	6	3.37E-05	9.11E-01	27	842.88	59	40	898.27	1144.56	0	0	0	0
408	26.79	99.78	1.7	5	1.85E-05	4.62E-01	26	777.51	57	40	923.37	1176.54	0	0	0	0
409	26.85	87.99	1.87	5	8.71E-06	1.86E-01	24	666.2	53	39	907.06	1155.76	0	0	0	0
410	26.94	66.76	1.82	5	4.19E-06	1.32E-01	22	980.35	49	39	870.82	1109.58	0	0	0	0
411	26.99	60.05	1.72	5	2.36E-06	6.28E-02	20	831.72	45	39	819.74	1044.5	0	0	0	0
412	27.04	56.15	1.59	5	2.17E-06	5.44E-02	19	782.27	44	39	782.46	996.99	0	0	0	0
413	27.13	56.11	1.41	5	2.40E-06	5.87E-02	18	764.12	43	39	750.86	956.73	0	0	0	0
414	27.18	56.06	1.28	5	5.00E-06	1.36E-01	19	849	45	38	730.25	930.46	0	0	0	0
415	27.25	74.2	1	5	1.39E-05	2.54E-01	20	570.94	48	38	714.41	910.29	0	0	0	0
416	27.32	88.26	0.81	6	4.00E-05	8.78E-01	22	684.49	52	38	707.27	901.19	0	0	0	0
417	27.38	98.69	0.82	6	6.80E-05	1.68E+00	23	769.91	55	39	722.79	920.96	0	0	0	0
418	27.45	106.4	0.94	6	7.56E-05	1.99E+00	24	820.8	57	39	755.97	963.25	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
419	27.52	107.49	1.03	6	6.56E-05	1.76E+00	25	836.18	58	39	790.03	1006.63	0	0	0	0
420	27.57	104.59	1.15	6	4.43E-05	1.15E+00	25	810.89	57	39	822.66	1048.21	0	0	0	0
421	27.65	96.97	1.39	6	3.04E-05	7.58E-01	25	777.69	56	39	844.43	1075.95	0	0	0	0
422	27.71	95.07	1.4	6	2.53E-05	6.15E-01	25	758.56	55	39	851.54	1085.01	0	0	0	0
423	27.76	97.42	1.3	6	3.10E-05	7.56E-01	24	762.17	55	39	825.03	1051.24	0	0	0	0
424	27.85	98.33	1.03	6	3.84E-05	9.38E-01	24	763.57	55	39	795.1	1013.1	0	0	0	0
425	27.9	95.61	1.02	6	4.10E-05	9.86E-01	24	750.91	55	39	772.58	984.41	0	0	0	0
426	27.97	92.71	1.07	6	3.68E-05	8.78E-01	24	745	54	39	781.64	995.95	0	0	0	0
427	28.02	96.15	1.15	6	4.06E-05	1.00E+00	24	772.24	55	39	795.98	1014.22	0	0	0	0
428	28.09	105.86	1.11	6	5.81E-05	1.54E+00	25	829.04	57	39	800.82	1020.39	0	0	0	0
429	28.17	114.02	0.96	6	8.64E-05	2.42E+00	26	876.12	58	39	787.68	1003.64	0	0	0	0
430	28.22	113.84	0.88	6	1.24E-04	3.55E+00	25	892.98	59	39	751.98	958.15	0	0	0	0
431	28.3	112.21	0.69	6	1.47E-04	4.17E+00	25	886.35	59	39	724.03	922.54	0	0	0	0
432	28.37	111.58	0.69	6	1.65E-04	4.64E+00	24	880.29	58	38	704.26	897.35	0	0	0	0
433	28.43	111.58	0.69	6	1.52E-04	4.28E+00	24	877.08	58	38	711.63	906.74	0	0	0	0
434	28.5	111.03	0.76	6	1.32E-04	3.69E+00	25	874.15	58	39	727.91	927.49	0	0	0	0
435	28.57	110.49	0.85	6	1.10E-04	3.05E+00	25	868.03	58	39	747.21	952.08	0	0	0	0
436	28.62	109.31	0.9	6	9.52E-05	2.63E+00	25	862	58	39	761.5	970.28	0	0	0	0
437	28.69	108.76	0.92	6	8.78E-05	2.41E+00	25	856.39	58	39	767.68	978.16	0	0	0	0
438	28.76	108.4	0.92	6	8.23E-05	2.24E+00	25	851.01	57	39	771.78	983.39	0	0	0	0
439	28.81	107.31	0.95	6	7.51E-05	2.02E+00	25	838.39	57	39	773	984.94	0	0	0	0
440	28.9	104.05	0.96	6	6.78E-05	1.78E+00	25	821.4	56	39	771.63	983.2	0	0	0	0
441	28.95	102.05	0.94	6	6.68E-05	1.71E+00	24	798.46	55	39	752.11	958.33	0	0	0	0
442	29.03	98.69	0.79	6	7.48E-05	1.87E+00	23	780.79	55	38	720.51	918.05	0	0	0	0
443	29.09	97.42	0.67	6	8.57E-05	2.10E+00	22	766.25	54	38	689.92	879.09	0	0	0	0
444	29.14	96.61	0.67	6	8.87E-05	2.15E+00	22	756.78	54	38	677.17	862.84	0	0	0	0
445	29.2	95.16	0.69	6	7.94E-05	1.90E+00	22	746.83	53	38	681.76	868.68	0	0	0	0
446	29.29	93.71	0.73	6	6.88E-05	1.62E+00	22	734.8	53	38	688.36	877.1	0	0	0	0
447	29.33	92.07	0.76	6	5.77E-05	1.32E+00	22	716.34	52	38	692.83	882.79	0	0	0	0
448	29.43	88.17	0.77	6	4.91E-05	1.10E+00	22	696.89	52	38	694.04	884.33	0	0	0	0
449	29.47	86.36	0.79	6	3.88E-05	8.28E-01	21	665.54	51	38	691.48	881.07	0	0	0	0
450	29.54	80.28	0.81	6	3.07E-05	6.25E-01	21	634.78	49	37	687.99	876.62	0	0	0	0
451	29.61	76.65	0.81	6	2.43E-05	4.65E-01	20	599.18	48	37	677.87	863.72	0	0	0	0
452	29.67	73.02	0.78	6	2.16E-05	3.98E-01	19	574.25	47	37	663.27	845.12	0	0	0	0
453	29.73	70.94	0.73	6	2.11E-05	3.76E-01	19	557.8	46	37	647.34	824.83	0	0	0	0
454	29.8	70.48	0.69	6	2.17E-05	3.85E-01	19	554.67	46	37	640.38	815.96	0	0	0	0
455	29.86	71.84	0.71	6	2.11E-05	3.76E-01	19	556.14	46	37	645.16	822.05	0	0	0	0
456	29.95	71.48	0.77	6	1.92E-05	3.40E-01	19	554.7	46	37	654.91	834.47	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
457	30	69.94	0.79	5	1.53E-05	2.64E-01	19	538.01	45	37	661.64	843.04	0	0	0	0
458	30.09	65.58	0.83	5	1.20E-05	1.98E-01	18	515.46	44	37	662.43	844.06	0	0	0	0
459	30.13	63.04	0.85	5	9.37E-06	1.47E-01	18	490.77	43	37	659.51	840.34	0	0	0	0
460	30.19	60.69	0.85	5	7.76E-06	1.16E-01	17	467.78	42	37	650.41	828.74	0	0	0	0
461	30.28	56.97	0.81	5	6.58E-06	9.46E-02	17	448.66	42	37	642.63	818.82	0	0	0	0
462	30.33	55.88	0.83	5	5.74E-06	1.39E-01	17	757.25	41	36	635.37	809.58	0	0	0	0
463	30.39	54.7	0.82	5	5.39E-06	1.28E-01	16	743.4	40	36	630.96	803.96	0	0	0	0
464	30.48	53.97	0.79	5	5.11E-06	1.19E-01	16	727.88	40	36	623.75	794.77	0	0	0	0
465	30.52	52.52	0.77	5	4.63E-06	1.04E-01	16	703.48	39	36	613.6	781.83	0	0	0	0
466	30.6	49.44	0.76	5	4.24E-06	9.19E-02	15	677.29	38	36	600.41	765.03	0	0	0	0
467	30.66	48.35	0.7	5	3.95E-06	8.33E-02	15	658.75	38	36	591.46	753.62	0	0	0	0
468	30.71	48.53	0.72	5	3.58E-06	7.65E-02	15	667.78	38	36	610.38	777.73	0	0	0	0
469	30.8	51.34	0.95	5	2.95E-06	6.50E-02	16	687.81	39	37	650.97	829.45	0	0	0	0
470	30.86	52.61	1.12	5	2.43E-06	5.47E-02	17	703.62	39	37	689.91	879.07	0	0	0	0
471	30.96	51.89	1.16	5	2.10E-06	4.73E-02	17	701.05	39	38	705.27	898.63	0	0	0	0
472	31	50.8	1.15	5	1.96E-06	4.35E-02	17	693.21	39	38	706.45	900.15	0	0	0	0
473	31.05	50.93	1.16	5	1.87E-06	4.12E-02	17	688.73	39	38	708.02	902.14	0	0	0	0
474	31.14	50.93	1.19	5	1.86E-06	4.12E-02	17	690.51	39	38	710.24	904.98	0	0	0	0
475	31.18	51.07	1.17	5	2.27E-06	5.22E-02	17	717.01	39	38	711.36	906.4	0	0	0	0
476	31.23	56.51	1.08	5	4.08E-06	1.04E-01	18	794.01	41	37	708.51	902.77	0	0	0	0
477	31.32	67.49	0.92	5	8.06E-06	1.32E-01	19	510.02	44	37	704.21	897.29	0	0	0	0
478	31.38	72.39	0.87	5	1.45E-05	2.61E-01	20	561.9	46	37	697.86	889.2	0	0	0	0
479	31.46	76.2	0.82	6	1.92E-05	3.62E-01	20	590.34	47	37	697.01	888.12	0	0	0	0
480	31.5	78.28	0.82	6	2.30E-05	4.50E-01	20	611.83	48	37	698.97	890.62	0	0	0	0
481	31.57	80.55	0.82	6	2.51E-05	5.06E-01	21	629.09	48	37	707.29	901.22	0	0	0	0
482	31.64	82.73	0.86	6	2.45E-05	5.03E-01	21	640.4	49	37	722.96	921.17	0	0	0	0
483	31.72	82.55	0.95	6	2.20E-05	4.51E-01	21	640.59	49	37	737.84	940.14	0	0	0	0
484	31.77	80.64	0.98	5	1.79E-05	3.58E-01	21	623.16	48	37	744.51	948.64	0	0	0	0
485	31.86	76.2	0.98	5	1.48E-05	2.85E-01	21	599.21	47	37	740.87	944.01	0	0	0	0
486	31.91	73.57	0.98	5	1.08E-05	1.95E-01	20	561.07	45	37	734.45	935.81	0	0	0	0
487	32	66.31	1.03	5	7.84E-06	1.32E-01	19	525.78	44	37	729.63	929.68	0	0	0	0
488	32.05	62.95	1.05	5	5.73E-06	1.57E-01	19	855.81	42	37	718.21	915.12	0	0	0	0
489	32.1	59.78	0.99	5	5.21E-06	1.35E-01	18	806.67	41	37	688.79	877.64	0	0	0	0
490	32.2	55.79	0.8	5	5.32E-06	1.31E-01	17	768.98	40	36	654.13	833.48	0	0	0	0
491	32.24	54.88	0.73	5	6.27E-06	8.63E-02	16	429.52	40	36	620.58	790.73	0	0	0	0
492	32.29	56.06	0.66	5	9.05E-06	1.29E-01	16	446.25	40	36	603.36	768.79	0	0	0	0
493	32.38	62.05	0.56	5	1.36E-05	2.07E-01	17	474.55	42	36	596.1	759.54	0	0	0	0
494	32.43	65.49	0.57	6	1.85E-05	3.01E-01	17	508.09	43	36	603.81	769.36	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
495	32.51	68.67	0.63	6	1.88E-05	3.16E-01	18	525.97	44	36	623.36	794.27	0	0	0	0
496	32.57	68.76	0.69	5	1.65E-05	2.79E-01	18	527.26	44	36	639.5	814.83	0	0	0	0
497	32.63	65.95	0.72	5	1.44E-05	2.40E-01	18	520.57	43	36	647.32	824.8	0	0	0	0
498	32.68	66.13	0.73	5	1.31E-05	2.15E-01	18	512.79	43	36	648.79	826.67	0	0	0	0
499	32.75	65.86	0.72	5	1.28E-05	2.10E-01	18	514.08	43	36	653.17	832.26	0	0	0	0
500	32.83	66.49	0.75	5	1.25E-05	2.08E-01	18	517.93	43	36	660.43	841.51	0	0	0	0
501	32.88	67.58	0.78	5	1.25E-05	2.12E-01	19	527.85	44	36	673.01	857.53	0	0	0	0
502	32.95	69.58	0.82	5	1.29E-05	2.23E-01	19	541.16	44	37	686.7	874.98	0	0	0	0
503	33.02	71.48	0.85	5	1.32E-05	2.36E-01	20	556.92	45	37	702.94	895.67	0	0	0	0
504	33.11	73.48	0.9	5	1.33E-05	2.43E-01	20	569.02	45	37	717.58	914.32	0	0	0	0
505	33.16	74.11	0.93	5	1.32E-05	2.45E-01	20	578.98	46	37	731.21	931.69	0	0	0	0
506	33.2	75.2	0.97	5	1.34E-05	2.53E-01	21	590.6	46	37	744.06	948.06	0	0	0	0
507	33.29	77.83	1	5	1.38E-05	2.66E-01	21	601.95	46	37	754.05	960.79	0	0	0	0
508	33.34	78.37	1	5	1.42E-05	2.77E-01	21	609.46	47	37	759.66	967.95	0	0	0	0
509	33.4	78.01	1	5	1.38E-05	2.68E-01	21	608.01	47	37	762.06	971.01	0	0	0	0
510	33.49	77.29	1.03	5	1.28E-05	2.47E-01	21	603.64	46	37	766.94	977.22	0	0	0	0
511	33.54	76.74	1.07	5	1.10E-05	2.10E-01	21	596.55	46	37	779.13	992.75	0	0	0	0
512	33.63	75.38	1.16	5	9.15E-06	1.72E-01	21	587	46	37	792.11	1009.28	0	0	0	0
513	33.68	73.75	1.21	5	7.45E-06	1.36E-01	21	571.68	45	37	800.76	1020.31	0	0	0	0
514	33.73	71.03	1.23	5	6.03E-06	1.06E-01	21	547.45	44	37	796.76	1015.21	0	0	0	0
515	33.8	66.31	1.21	5	5.45E-06	1.64E-01	21	941.88	44	38	797.68	1016.39	0	0	0	0
516	33.87	70.3	1.26	5	4.81E-06	1.40E-01	20	909.23	43	37	787.69	1003.66	0	0	0	0
517	33.93	64.04	1.17	5	5.54E-06	1.64E-01	20	924.5	43	37	780.8	994.87	0	0	0	0
518	34.02	69.58	1.08	5	6.85E-06	1.19E-01	20	541.13	44	37	769.5	980.48	0	0	0	0
519	34.06	75.11	1.06	5	8.80E-06	1.59E-01	21	565.05	45	37	767.93	978.48	0	0	0	0
520	34.15	73.11	1.06	5	9.01E-06	1.64E-01	21	567.83	45	37	768.38	979.05	0	0	0	0
521	34.19	70.76	1.07	5	7.93E-06	1.40E-01	20	551.09	44	37	763.24	972.51	0	0	0	0
522	34.26	68.94	1.06	5	6.52E-06	1.10E-01	20	528.31	43	37	758.13	966	0	0	0	0
523	34.32	64.59	1.08	5	4.99E-06	1.40E-01	19	875.88	42	37	753.68	960.32	0	0	0	0
524	34.39	60.32	1.12	5	3.29E-06	8.52E-02	19	808.19	40	37	749.83	955.42	0	0	0	0
525	34.45	54.43	1.18	5	1.69E-06	4.00E-02	18	739.38	39	38	773.91	986.1	0	0	0	0
526	34.53	49.8	1.59	4	8.58E-07	1.90E-02	18	691.38	0	0	0	1042.51	14	3.53	3.49	0
527	34.58	49.94	1.92	4	5.50E-07	1.18E-02	18	672.28	0	0	0	1098.6	14	3.43	3.39	0
528	34.65	49.94	1.95	4	4.97E-07	1.07E-02	19	675.49	0	0	0	1124.44	14	3.45	3.4	0
529	34.73	50.07	1.9	4	4.89E-07	1.07E-02	19	683.95	0	0	0	1141.86	14	3.49	3.43	0
530	34.78	51.52	2.1	4	7.74E-07	1.92E-02	20	775.65	0	0	0	1191.53	14	3.96	3.89	0
531	34.86	69.58	2.16	5	2.53E-06	8.40E-02	24	1036.26	45	39	1008.38	1284.86	0	0	0	0
532	34.91	106.22	2.05	5	1.27E-05	3.49E-01	30	859.5	55	39	1093.2	1392.93	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	In situ data				Estimations											
							SPT N60	Constrained		Friction angle					Und. strength	
No	Depth (ft)	qc (tsf)	fs (tsf)	SBTn	Ksbt (ft/s)	Ch (ft2/s)	(blows/feet)	Mod. (tsf)	Dr (%)	(°)	Es (tsf)	Go (tsf)	Nkt	Su (tsf)	ratio	Kocr
533	34.97	152.03	2.04	6	1.16E-04	5.29E+00	40	1428.42	70	41	1218.1	1552.08	0	0	0	0
534	35.07	283.47	2.05	6	4.23E-04	2.19E+01	48	1618.68	81	43	1291.5	1645.61	0	0	0	0
535	35.12	288.82	1.93	6	4.67E-04	2.41E+01	48	1611.88	82	43	1286.07	1638.68	0	0	0	0
536	35.18	162.1	1.92	6	2.02E-04	1.02E+01	44	1579.11	75	41	1259.92	1605.37	0	0	0	0
537	35.26	168.36	2.33	6	7.28E-05	3.16E+00	40	1355	68	41	1256.52	1601.03	0	0	0	0
538	35.31	184.05	2.56	6	9.85E-05	4.65E+00	42	1475.95	71	42	1295.9	1651.21	0	0	0	0
539	35.39	207.55	2.12	6	1.65E-04	8.63E+00	45	1629.99	75	42	1303.17	1660.47	0	0	0	0
540	35.45	226.14	2.03	6	5.82E-04	2.56E+01	42	1376.15	77	42	1097.99	1399.04	0	0	0	0
541	35.5	219.52	0	6	2.20E-03	7.67E+01	37	1090.2	77	42	869.84	1108.34	0	0	0	0
542	35.59	212.36	0	0	0.00E+00	0.00E+00	0	189.02	0	0	0	192.16	0	0	0	0
543	35.64	204.83	0	0	0.00E+00	0.00E+00	0	189.44	0	0	0	192.59	0	0	0	0
544	35.7	220.97	0	0	0.00E+00	0.00E+00	0	193.28	0	0	0	196.5	0	0	0	0
545	35.77	225.24	0	0	0.00E+00	0.00E+00	0	210.1	0	0	0	213.6	0	0	0	0
546	35.83	260.98	0	0	0.00E+00	0.00E+00	0	222.09	0	0	0	225.78	0	0	0	0

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
1	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
2	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
3	0	0	0	0	0	0	0	1	0	0	120.94	28.72	0.76	93.95	0.43
4	4.12	54.61	0	1	0.78	0	0.01	13.19	164.58	0.65	120.94	28.72	0.76	93.95	0.43
5	8.44	79.39	0	1	0.54	0	0.02	10.94	279.79	2.5	120.94	28.72	0.76	93.95	0.43
6	12.88	109.3	0	1	0.94	0	0.05	6.01	234.59	0.58	120.94	28.72	0.76	93.95	0.43
7	16.39	137.59	0	1	2.19	0	0.12	2.82	139.92	0.58	120.94	28.72	0.76	93.95	0.43
8	0	154.47	-0.09	0	0	0	0.01	1.73	90.16	0.73	120.94	28.72	0.76	93.95	0.43
9	0	171.32	-0.06	0	0	0	0.01	1.35	76.06	0.42	120.94	28.72	0.76	93.95	0.43
10	0	188.17	-0.07	0	0	0	0.01	1.3	83.25	0.71	120.94	28.72	0.76	93.95	0.43
11	0	202.3	-0.08	0	0	0	0.02	1.28	89.16	0.73	120.94	28.72	0.76	93.95	0.43
12	0	210.57	-0.09	0	0	0	0.02	1.3	91.68	0.73	120.94	28.72	0.76	93.95	0.43
13	0	213.22	-0.09	0	0	0	0.02	1.32	90.23	0.73	120.94	28.72	0.76	93.95	0.43
14	0	211.26	-0.08	0	0	0	0.02	1.34	84.66	0.72	120.94	28.72	0.76	93.95	0.43
15	0	206.5	-0.07	0	0	0	0.02	1.35	78.98	0.54	120.94	28.72	0.76	93.95	0.43
16	0	201.37	-0.06	0	0	0	0.02	1.36	73.69	0.35	120.94	28.72	0.76	93.95	0.43
17	0	198.67	-0.05	0	0	0	0.02	1.41	70.75	0.27	120.94	28.72	0.76	93.95	0.43
18	0	189.62	-0.05	0	0	0	0.02	1.54	69.01	0.23	120.94	28.72	0.76	93.95	0.43
19	0	180.56	-0.05	0	0	0	0.03	1.74	68.65	0.23	120.94	28.72	0.76	93.95	0.43
20	0	173.48	-0.05	0	0	0	0.03	2.01	71.09	0.28	120.94	28.72	0.76	93.95	0.43
21	0	173.75	-0.04	0	0	0	0.03	1.96	68.06	0.22	120.94	28.72	0.76	93.95	0.43
22	0	171.39	-0.04	0	0	0	0.03	2	64.28	0.16	120.94	28.72	0.76	93.95	0.43
23	0	169.66	-0.02	0	0	0	0.03	1.91	59.2	0.11	120.94	28.72	0.76	93.95	0.43
24	0	168.25	-0.01	0	0	0	0.03	1.84	54.33	0.07	120.94	28.72	0.76	93.95	0.43
25	0	170.42	0	0	0	0	0.03	1.69	49.66	0.05	120.94	28.72	0.76	93.95	0.43
26	0	170.17	0.01	0	0	0	0.03	1.59	45.87	0.04	120.94	28.72	0.76	93.95	0.43
27	0	170.86	0.01	0	0	0	0.03	1.6	45.11	0.04	120.94	28.72	0.76	93.95	0.43
28	0	173.36	0.01	0	0	0	0.03	1.65	46.51	0.04	120.94	28.72	0.76	93.95	0.43
29	0	185.16	0	0	0	0	0.03	1.6	50.74	0.06	120.94	28.72	0.76	93.95	0.43
30	0	201.88	-0.02	0	0	0	0.04	1.54	56.31	0.08	120.94	28.72	0.76	93.95	0.43
31	0	218.78	-0.03	0	0	0	0.04	1.46	62.08	0.13	120.94	28.72	0.76	93.95	0.43
32	0	229.4	-0.04	0	0	0	0.04	1.43	65.37	0.17	120.94	28.72	0.76	93.95	0.43
33	0	239.86	-0.05	0	0	0	0.04	1.39	68.55	0.23	120.94	28.72	0.76	93.95	0.43
34	0	246.32	-0.05	0	0	0	0.05	1.42	72.17	0.3	120.94	28.72	0.76	93.95	0.43
35	0	258.8	-0.06	0	0	0	0.05	1.44	78.24	0.5	120.94	28.72	0.76	93.95	0.43
36	0	268.26	-0.07	0	0	0	0.05	1.46	83.05	0.71	120.94	28.72	0.76	93.95	0.43
37	0	277.07	-0.08	0	0	0	0.05	1.4	85.12	0.72	120.94	28.72	0.76	93.95	0.43
38	0	283.98	-0.08	0	0	0	0.05	1.37	85.55	0.72	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
39	0	287.62	-0.08	0	0	0	0.05	1.4	88.6	0.73	120.94	28.72	0.76	93.95	0.43
40	0	295.78	-0.09	0	0	0	0.06	1.43	92.77	0.73	120.94	28.72	0.76	93.95	0.43
41	0	296.7	-0.09	0	0	0	0.06	1.51	96.16	0.74	120.94	28.72	0.76	93.95	0.43
42	0	301.48	-0.09	0	0	0	0.06	1.47	96.14	0.74	120.94	28.72	0.76	93.95	0.43
43	0	303.53	-0.1	0	0	0	0.06	1.49	97.27	0.74	120.94	28.72	0.76	93.95	0.43
44	0	309.49	-0.1	0	0	0	0.06	1.5	99.78	0.75	120.94	28.72	0.76	93.95	0.43
45	0	311.51	-0.1	0	0	0	0.06	1.5	99.95	0.75	120.94	28.72	0.76	93.95	0.43
46	0	306.13	-0.09	0	0	0	0.06	1.45	92.96	0.73	120.94	28.72	0.76	93.95	0.43
47	0	296.69	-0.07	0	0	0	0.06	1.37	82.52	0.71	120.94	28.72	0.76	93.95	0.43
48	0	288.98	-0.06	0	0	0	0.06	1.31	75.62	0.41	120.94	28.72	0.76	93.95	0.43
49	0	292.54	-0.06	0	0	0	0.07	1.29	75.46	0.4	120.94	28.72	0.76	93.95	0.43
50	0	303.62	-0.07	0	0	0	0.07	1.28	80.51	0.61	120.94	28.72	0.76	93.95	0.43
51	0	318.8	-0.08	0	0	0	0.07	1.28	87.96	0.72	120.94	28.72	0.76	93.95	0.43
52	0	331.95	-0.09	0	0	0	0.07	1.28	94.19	0.74	120.94	28.72	0.76	93.95	0.43
53	0	340.66	-0.1	0	0	0	0.08	1.28	98.01	0.74	120.94	28.72	0.76	93.95	0.43
54	0	339.38	-0.1	0	0	0	0.08	1.29	96.78	0.74	120.94	28.72	0.76	93.95	0.43
55	0	336	-0.09	0	0	0	0.08	1.31	93.89	0.74	120.94	28.72	0.76	93.95	0.43
56	0	326.23	-0.08	0	0	0	0.08	1.36	89.2	0.73	120.94	28.72	0.76	93.95	0.43
57	0	320.34	-0.08	0	0	0	0.08	1.37	85.01	0.72	120.94	28.72	0.76	93.95	0.43
58	0	311.82	-0.07	0	0	0	0.08	1.36	79.78	0.57	120.94	28.72	0.76	93.95	0.43
59	0	306.51	-0.06	0	0	0	0.08	1.32	75.42	0.4	120.94	28.72	0.76	93.95	0.43
60	0	304.26	-0.05	0	0	0	0.08	1.29	72.93	0.32	120.94	28.72	0.76	93.95	0.43
61	0	308.26	-0.06	0	0	0	0.08	1.27	73.87	0.35	120.94	28.72	0.76	93.95	0.43
62	0	320.15	-0.07	0	0	0	0.08	1.25	78.83	0.53	120.94	28.72	0.76	93.95	0.43
63	0	333.71	-0.08	0	0	0	0.09	1.23	84.33	0.72	120.94	28.72	0.76	93.95	0.43
64	0	347.95	-0.09	0	0	0	0.09	1.21	90.74	0.73	120.94	28.72	0.76	93.95	0.43
65	0	361.27	-0.1	0	0	0	0.09	1.21	97.1	0.74	120.94	28.72	0.76	93.95	0.43
66	0	376.16	-0.11	0	0	0	0.1	1.21	104.09	0.76	120.94	28.72	0.76	93.95	0.43
67	0	392.46	-0.12	0	0	0	0.1	1.19	112.1	0.77	120.94	28.72	0.76	93.95	0.43
68	0	412.06	-0.13	0	0	0	0.1	1.18	122.06	0.79	120.94	28.72	0.76	93.95	0.43
69	0	438.33	-0.15	0	0	0	0.11	1.18	137.9	0.81	120.94	28.72	0.76	93.95	0.43
70	0	464.19	-0.16	0	0	0	0.11	1.18	152.72	0.83	120.94	28.72	0.76	93.95	0.43
71	0	483.36	-0.17	0	0	0	0.12	1.16	163.58	0.84	120.94	28.72	0.76	93.95	0.43
72	0	493.13	-0.17	0	0	0	0.12	1.13	166.58	0.85	120.94	28.72	0.76	93.95	0.43
73	0	498.13	-0.17	0	0	0	0.12	1.1	165.82	0.85	120.94	28.72	0.76	93.95	0.43
74	0	506.55	-0.17	0	0	0	0.12	1.06	166.99	0.85	120.94	28.72	0.76	93.95	0.43
75	0	518.51	-0.18	0	0	0	0.12	1.03	170.11	0.85	120.94	28.72	0.76	93.95	0.43
76	0	535.08	-0.18	0	0	0	0.13	1	175.82	0.86	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
77	0	547.37	-0.19	0	0	0	0.13	1	184.88	0.87	120.94	28.72	0.76	93.95	0.43
78	0	554.88	-0.19	0	0	0	0.13	1	190.49	0.88	120.94	28.72	0.76	93.95	0.43
79	0	557.98	-0.19	0	0	0	0.13	1	191.75	0.88	120.94	28.72	0.76	93.95	0.43
80	0	550.98	-0.19	0	0	0	0.13	1	183.26	0.87	120.94	28.72	0.76	93.95	0.43
81	0	540.4	-0.18	0	0	0	0.14	1.05	178.63	0.86	120.94	28.72	0.76	93.95	0.43
82	0	528.77	-0.18	0	0	0	0.14	1.11	177.5	0.86	120.94	28.72	0.76	93.95	0.43
83	0	524.17	-0.18	0	0	0	0.14	1.11	173.44	0.86	120.94	28.72	0.76	93.95	0.43
84	0	519.67	-0.17	0	0	0	0.14	1.08	166.35	0.85	120.94	28.72	0.76	93.95	0.43
85	0	511.79	-0.17	0	0	0	0.14	1.06	158.54	0.84	120.94	28.72	0.76	93.95	0.43
86	0	501.55	-0.16	0	0	0	0.14	1.05	150.35	0.83	120.94	28.72	0.76	93.95	0.43
87	0	492.43	-0.15	0	0	0	0.14	1.06	144.88	0.82	120.94	28.72	0.76	93.95	0.43
88	0	483.36	-0.15	0	0	0	0.14	1.09	141.2	0.81	120.94	28.72	0.76	93.95	0.43
89	0	476.21	-0.15	0	0	0	0.14	1.11	138.09	0.81	120.94	28.72	0.76	93.95	0.43
90	0	467.68	-0.14	0	0	0	0.14	1.12	132.86	0.8	120.94	28.72	0.76	93.95	0.43
91	0	457.36	-0.13	0	0	0	0.14	1.11	125.45	0.79	120.94	28.72	0.76	93.95	0.43
92	0	439.48	-0.12	0	0	0	0.14	1.16	117.81	0.78	120.94	28.72	0.76	93.95	0.43
93	0	415.08	-0.11	0	0	0	0.14	1.24	105.64	0.76	120.94	28.72	0.76	93.95	0.43
94	0	384.07	-0.08	0	0	0	0.13	1.34	89.91	0.73	120.94	28.72	0.76	93.95	0.43
95	0	364.32	-0.07	0	0	0	0.13	1.4	81.3	0.65	120.94	28.72	0.76	93.95	0.43
96	0	358.28	-0.06	0	0	0	0.13	1.38	77.74	0.48	120.94	28.72	0.76	93.95	0.43
97	0	369.83	-0.07	0	0	0	0.13	1.36	82.07	0.69	120.94	28.72	0.76	93.95	0.43
98	0	392.55	-0.09	0	0	0	0.14	1.44	93.61	0.74	120.94	28.72	0.76	93.95	0.43
99	0	411.18	-0.12	0	0	0	0.15	1.71	112.53	0.77	120.94	28.72	0.76	93.95	0.43
100	0	411.68	-0.14	0	0	0	0.15	2.2	132.3	0.8	120.94	28.72	0.76	93.95	0.43
101	17.15	394.86	0	1	2.28	0	1.03	2.66	138.15	0.58	120.94	28.72	0.76	93.95	0.43
102	15.51	378.9	0	1	2.36	0	0.92	2.78	130.84	0.58	120.94	28.72	0.76	93.95	0.43
103	0	408.95	-0.15	0	0	0	0.16	2.53	140.88	0.81	120.94	28.72	0.76	93.95	0.43
104	0	451.78	-0.14	0	0	0	0.16	1.83	136.82	0.81	120.94	28.72	0.76	93.95	0.43
105	0	494.68	-0.15	0	0	0	0.17	1.49	144.51	0.82	120.94	28.72	0.76	93.95	0.43
106	0	505.17	-0.15	0	0	0	0.17	1.37	144.69	0.82	120.94	28.72	0.76	93.95	0.43
107	0	488.91	-0.15	0	0	0	0.17	1.44	137.04	0.81	120.94	28.72	0.76	93.95	0.43
108	0	461.5	-0.14	0	0	0	0.17	1.61	128.3	0.8	120.94	28.72	0.76	93.95	0.43
109	25.42	508.63	0	1	1.22	0	1.53	3.23	249.01	0.58	120.94	28.72	0.76	93.95	0.43
110	27.24	563.69	0	1	0.66	0	1.47	5.03	415.12	0.58	120.94	28.72	0.76	93.95	0.43
111	29.02	602.85	0	1	0.48	0	1.48	6.24	549.14	0.58	120.94	28.72	0.76	93.95	0.43
112	58.29	719.14	0	1	1.33	0	4.15	1.91	337.72	0.58	120.94	28.72	0.76	93.95	0.43
113	0	763.8	-0.26	0	0	0	0.22	1.36	315.99	0.99	120.94	28.72	0.76	93.95	0.43
114	0	829.75	-0.28	0	0	0	0.22	1.06	357.69	1.02	120.94	28.72	0.76	93.95	0.43

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
115	0	799.26	-0.28	0	0	0	0.22	1.14	342.88	1.01	120.94	28.72	0.76	93.95	0.43
116	0	776.98	-0.27	0	0	0	0.22	1.18	325.06	1	120.94	28.72	0.76	93.95	0.43
117	0	699.43	-0.24	0	0	0	0.21	1.38	260.79	0.95	120.94	28.72	0.76	93.95	0.43
118	0	679.73	-0.23	0	0	0	0.21	1.34	243.38	0.93	120.94	28.72	0.76	93.95	0.43
119	0	641.38	-0.21	0	0	0	0.21	1.33	215.94	0.9	120.94	28.72	0.76	93.95	0.43
120	0	598.17	-0.19	0	0	0	0.2	1.47	191.62	0.88	120.94	28.72	0.76	93.95	0.43
121	32.14	557.7	0	1	1.8	0	2.36	2.09	203.82	0.58	120.94	28.72	0.76	93.95	0.43
122	26.9	539.48	0	1	1.33	0	1.82	2.92	238.21	0.58	120.94	28.72	0.76	93.95	0.43
123	32.47	563.91	0	1	1.78	0	2.41	2.1	206.46	0.58	120.94	28.72	0.76	93.95	0.43
124	0	607.72	-0.19	0	0	0	0.21	1.42	191.02	0.88	120.94	28.72	0.76	93.95	0.43
125	0	664.27	-0.22	0	0	0	0.22	1.2	229.38	0.92	120.94	28.72	0.76	93.95	0.43
126	0	722.79	-0.23	0	0	0	0.23	1	253.22	0.94	120.94	28.72	0.76	93.95	0.43
127	0	779.29	-0.26	0	0	0	0.24	1	312.2	0.99	120.94	28.72	0.76	93.95	0.43
128	0	818.48	-0.28	0	0	0	0.25	1	350.12	1.01	120.94	28.72	0.76	93.95	0.43
129	0	836.98	-0.29	0	0	0	0.26	1	375.91	1.03	120.94	28.72	0.76	93.95	0.43
130	0	844.36	-0.29	0	0	0	0.26	1	389.4	1.04	120.94	28.72	0.76	93.95	0.43
131	0	839.08	-0.3	0	0	0	0.26	1	394.67	1.04	120.94	28.72	0.76	93.95	0.43
132	0	837.15	-0.3	0	0	0	0.27	1	404.06	1.05	120.94	28.72	0.76	93.95	0.43
133	0	848.63	-0.31	0	0	0	0.27	1	423.28	1.06	120.94	28.72	0.76	93.95	0.43
134	0	878.55	-0.32	0	0	0	0.28	1	450.32	1.08	120.94	28.72	0.76	93.95	0.43
135	0	922.88	-0.32	0	0	0	0.28	1	471.85	1.09	120.94	28.72	0.76	93.95	0.43
136	0	974.15	-0.33	0	0	0	0.29	1	493.59	1.1	120.94	28.72	0.76	93.95	0.43
137	0	1009.55	-0.33	0	0	0	0.29	1	507.55	1.11	120.94	28.72	0.76	93.95	0.43
138	0	1034.93	-0.34	0	0	0	0.3	1	519.54	1.12	120.94	28.72	0.76	93.95	0.43
139	0	1067.32	-0.35	0	0	0	0.3	1	553.51	1.13	120.94	28.72	0.76	93.95	0.43
140	0	1103.26	-0.35	0	0	0	0.31	1	589.09	1.15	120.94	28.72	0.76	93.95	0.43
141	0	1124.05	-0.36	0	0	0	0.32	1	615.55	1.16	120.94	28.72	0.76	93.95	0.43
142	0	1108.95	-0.36	0	0	0	0.32	1	606.97	1.16	120.94	28.72	0.76	93.95	0.43
143	0	1084.64	-0.36	0	0	0	0.32	1	593.45	1.15	120.94	28.72	0.76	93.95	0.43
144	0	1053.65	-0.35	0	0	0	0.32	1	566.35	1.14	120.94	28.72	0.76	93.95	0.43
145	0	1022.26	-0.34	0	0	0	0.31	1	538.65	1.13	120.94	28.72	0.76	93.95	0.43
146	0	992.62	-0.33	0	0	0	0.31	1	515.35	1.11	120.94	28.72	0.76	93.95	0.43
147	0	973.39	-0.33	0	0	0	0.31	1	491.68	1.1	120.94	28.72	0.76	93.95	0.43
148	0	962.25	-0.32	0	0	0	0.31	1	464.81	1.09	120.94	28.72	0.76	93.95	0.43
149	0	937.51	-0.3	0	0	0	0.3	1	409.95	1.05	120.94	28.72	0.76	93.95	0.43
150	0	915.97	-0.29	0	0	0	0.3	1	370.22	1.03	120.94	28.72	0.76	93.95	0.43
151	0	891.99	-0.28	0	0	0	0.3	1.03	351.46	1.02	120.94	28.72	0.76	93.95	0.43
152	0	869.55	-0.27	0	0	0	0.29	1	336.85	1.01	120.94	28.72	0.76	93.95	0.43

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
153	0	835.74	-0.27	0	0	0	0.29	1	328.15	1	120.94	28.72	0.76	93.95	0.43
154	0	800.78	-0.27	0	0	0	0.29	1	316.45	0.99	120.94	28.72	0.76	93.95	0.43
155	0	781.81	-0.26	0	0	0	0.29	1	308.54	0.98	120.94	28.72	0.76	93.95	0.43
156	0	778.88	-0.26	0	0	0	0.29	1	306.54	0.98	120.94	28.72	0.76	93.95	0.43
157	0	777.96	-0.26	0	0	0	0.3	1	306.22	0.98	120.94	28.72	0.76	93.95	0.43
158	0	768.94	-0.26	0	0	0	0.3	1	303.39	0.98	120.94	28.72	0.76	93.95	0.43
159	0	759.54	-0.26	0	0	0	0.3	1	299.32	0.98	120.94	28.72	0.76	93.95	0.43
160	0	764.89	-0.26	0	0	0	0.3	1	304.59	0.98	120.94	28.72	0.76	93.95	0.43
161	0	783.81	-0.26	0	0	0	0.31	1	315.43	0.99	120.94	28.72	0.76	93.95	0.43
162	0	799.77	-0.27	0	0	0	0.31	1	323.55	1	120.94	28.72	0.76	93.95	0.43
163	0	802.76	-0.27	0	0	0	0.31	1	321.68	0.99	120.94	28.72	0.76	93.95	0.43
164	0	800.14	-0.26	0	0	0	0.31	1	315.69	0.99	120.94	28.72	0.76	93.95	0.43
165	0	790.51	-0.26	0	0	0	0.31	1	302.04	0.98	120.94	28.72	0.76	93.95	0.43
166	0	770	-0.25	0	0	0	0.31	1	277.44	0.96	120.94	28.72	0.76	93.95	0.43
167	0	755.15	-0.23	0	0	0	0.3	1	251.92	0.94	120.94	28.72	0.76	93.95	0.43
168	0	742.44	-0.22	0	0	0	0.3	1	233.97	0.92	120.94	28.72	0.76	93.95	0.43
169	0	724.9	-0.21	0	0	0	0.29	1	218.56	0.91	120.94	28.72	0.76	93.95	0.43
170	0	697.95	-0.2	0	0	0	0.29	1	202.2	0.89	120.94	28.72	0.76	93.95	0.43
171	0	671.61	-0.19	0	0	0	0.29	1	187.34	0.87	120.94	28.72	0.76	93.95	0.43
172	0	656.55	-0.18	0	0	0	0.29	1.03	178.67	0.86	120.94	28.72	0.76	93.95	0.43
173	0	638.47	-0.18	0	0	0	0.29	1.1	174.16	0.86	120.94	28.72	0.76	93.95	0.43
174	0	622.46	-0.17	0	0	0	0.28	1.16	167.98	0.85	120.94	28.72	0.76	93.95	0.43
175	0	612.54	-0.17	0	0	0	0.28	1.2	161.75	0.84	120.94	28.72	0.76	93.95	0.43
176	0	601.35	-0.16	0	0	0	0.28	1.21	155.29	0.83	120.94	28.72	0.76	93.95	0.43
177	0	590.16	-0.16	0	0	0	0.28	1.2	149.32	0.83	120.94	28.72	0.76	93.95	0.43
178	0	579.85	-0.15	0	0	0	0.28	1.19	143.86	0.82	120.94	28.72	0.76	93.95	0.43
179	0	577.71	-0.15	0	0	0	0.28	1.19	142.54	0.82	120.94	28.72	0.76	93.95	0.43
180	0	581.31	-0.15	0	0	0	0.28	1.19	143.83	0.82	120.94	28.72	0.76	93.95	0.43
181	0	587.26	-0.15	0	0	0	0.29	1.2	145.94	0.82	120.94	28.72	0.76	93.95	0.43
182	0	596.11	-0.16	0	0	0	0.29	1.21	149.71	0.83	120.94	28.72	0.76	93.95	0.43
183	0	604.46	-0.16	0	0	0	0.29	1.22	152.91	0.83	120.94	28.72	0.76	93.95	0.43
184	0	613.16	-0.16	0	0	0	0.3	1.23	156.69	0.84	120.94	28.72	0.76	93.95	0.43
185	0	621.82	-0.17	0	0	0	0.3	1.23	160.28	0.84	120.94	28.72	0.76	93.95	0.43
186	0	629.72	-0.17	0	0	0	0.3	1.24	163.24	0.84	120.94	28.72	0.76	93.95	0.43
187	0	638.17	-0.17	0	0	0	0.3	1.24	167.24	0.85	120.94	28.72	0.76	93.95	0.43
188	0	646.48	-0.18	0	0	0	0.31	1.24	171.05	0.85	120.94	28.72	0.76	93.95	0.43
189	0	656.23	-0.18	0	0	0	0.31	1.24	175.72	0.86	120.94	28.72	0.76	93.95	0.43
190	0	663.53	-0.18	0	0	0	0.32	1.24	179.08	0.86	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
191	0	669.45	-0.19	0	0	0	0.32	1.24	181.9	0.87	120.94	28.72	0.76	93.95	0.43
192	0	671.87	-0.19	0	0	0	0.32	1.24	182.86	0.87	120.94	28.72	0.76	93.95	0.43
193	0	671.05	-0.19	0	0	0	0.32	1.22	183.07	0.87	120.94	28.72	0.76	93.95	0.43
194	0	668.99	-0.19	0	0	0	0.32	1.21	182.33	0.87	120.94	28.72	0.76	93.95	0.43
195	0	668.64	-0.19	0	0	0	0.33	1.2	181.93	0.87	120.94	28.72	0.76	93.95	0.43
196	0	670.85	-0.19	0	0	0	0.33	1.2	182.77	0.87	120.94	28.72	0.76	93.95	0.43
197	0	672.76	-0.19	0	0	0	0.33	1.2	183.04	0.87	120.94	28.72	0.76	93.95	0.43
198	0	674.04	-0.19	0	0	0	0.33	1.21	182.98	0.87	120.94	28.72	0.76	93.95	0.43
199	0	674.49	-0.19	0	0	0	0.33	1.21	182.43	0.87	120.94	28.72	0.76	93.95	0.43
200	0	673.54	-0.19	0	0	0	0.33	1.22	181.03	0.87	120.94	28.72	0.76	93.95	0.43
201	0	672.55	-0.18	0	0	0	0.33	1.22	179.54	0.86	120.94	28.72	0.76	93.95	0.43
202	0	671.42	-0.18	0	0	0	0.33	1.23	178.39	0.86	120.94	28.72	0.76	93.95	0.43
203	0	672.03	-0.18	0	0	0	0.34	1.23	178.33	0.86	120.94	28.72	0.76	93.95	0.43
204	0	674.64	-0.18	0	0	0	0.34	1.22	179.43	0.86	120.94	28.72	0.76	93.95	0.43
205	0	679.03	-0.19	0	0	0	0.34	1.21	181.95	0.87	120.94	28.72	0.76	93.95	0.43
206	0	683.99	-0.19	0	0	0	0.34	1.2	184.63	0.87	120.94	28.72	0.76	93.95	0.43
207	0	688.73	-0.19	0	0	0	0.35	1.2	186.82	0.87	120.94	28.72	0.76	93.95	0.43
208	0	692.83	-0.19	0	0	0	0.35	1.2	188.61	0.87	120.94	28.72	0.76	93.95	0.43
209	0	697.14	-0.19	0	0	0	0.35	1.2	190.45	0.88	120.94	28.72	0.76	93.95	0.43
210	0	701.7	-0.19	0	0	0	0.35	1.2	192.52	0.88	120.94	28.72	0.76	93.95	0.43
211	0	706.19	-0.2	0	0	0	0.36	1.2	194.37	0.88	120.94	28.72	0.76	93.95	0.43
212	0	711.08	-0.2	0	0	0	0.36	1.21	196.25	0.88	120.94	28.72	0.76	93.95	0.43
213	0	716.59	-0.2	0	0	0	0.36	1.22	197.8	0.88	120.94	28.72	0.76	93.95	0.43
214	0	720.41	-0.2	0	0	0	0.36	1.25	196.35	0.88	120.94	28.72	0.76	93.95	0.43
215	0	720.09	-0.19	0	0	0	0.36	1.31	190.49	0.88	120.94	28.72	0.76	93.95	0.43
216	0	714.03	-0.19	0	0	0	0.36	1.43	184.82	0.87	120.94	28.72	0.76	93.95	0.43
217	0	701.19	-0.19	0	0	0	0.36	1.65	185.59	0.87	120.94	28.72	0.76	93.95	0.43
218	0	678.02	-0.19	0	0	0	0.37	1.95	188.05	0.87	120.94	28.72	0.76	93.95	0.43
219	28.09	655.72	0	1	1.88	0	3.17	2.2	186.84	0.58	120.94	28.72	0.76	93.95	0.43
220	25.87	639.15	0	1	1.84	0	2.89	2.35	184.21	0.58	120.94	28.72	0.76	93.95	0.43
221	25.86	638.49	0	1	1.86	0	2.9	2.33	182.26	0.58	120.94	28.72	0.76	93.95	0.43
222	26.82	645.54	0	1	1.92	0	3.04	2.23	181.08	0.58	120.94	28.72	0.76	93.95	0.43
223	0	656.65	-0.19	0	0	0	0.37	2.11	181.3	0.87	120.94	28.72	0.76	93.95	0.43
224	0	662.15	-0.18	0	0	0	0.37	2.04	180.38	0.86	120.94	28.72	0.76	93.95	0.43
225	0	659.02	-0.18	0	0	0	0.37	2.05	178.3	0.86	120.94	28.72	0.76	93.95	0.43
226	0	647.71	-0.18	0	0	0	0.37	2.08	173.04	0.86	120.94	28.72	0.76	93.95	0.43
227	0	634.11	-0.17	0	0	0	0.37	1.97	160.67	0.84	120.94	28.72	0.76	93.95	0.43
228	0	629.36	-0.15	0	0	0	0.36	1.7	146.34	0.82	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
229	0	639.46	-0.15	0	0	0	0.36	1.39	142.44	0.82	120.94	28.72	0.76	93.95	0.43
230	0	661.75	-0.17	0	0	0	0.37	1.25	158.91	0.84	120.94	28.72	0.76	93.95	0.43
231	0	682.32	-0.18	0	0	0	0.38	1.14	172.98	0.86	120.94	28.72	0.76	93.95	0.43
232	0	700.97	-0.18	0	0	0	0.38	1.01	173.42	0.86	120.94	28.72	0.76	93.95	0.43
233	0	715.89	-0.19	0	0	0	0.39	1	183.53	0.87	120.94	28.72	0.76	93.95	0.43
234	0	731.01	-0.19	0	0	0	0.39	1	192.82	0.88	120.94	28.72	0.76	93.95	0.43
235	0	739.63	-0.2	0	0	0	0.4	1	197.32	0.88	120.94	28.72	0.76	93.95	0.43
236	0	747.46	-0.2	0	0	0	0.4	1	200.84	0.89	120.94	28.72	0.76	93.95	0.43
237	0	750.26	-0.2	0	0	0	0.4	1	200.85	0.89	120.94	28.72	0.76	93.95	0.43
238	0	751.9	-0.2	0	0	0	0.41	1	200.82	0.89	120.94	28.72	0.76	93.95	0.43
239	0	751.85	-0.2	0	0	0	0.41	1	200.59	0.89	120.94	28.72	0.76	93.95	0.43
240	0	750.03	-0.2	0	0	0	0.41	1	199.17	0.89	120.94	28.72	0.76	93.95	0.43
241	0	747.65	-0.2	0	0	0	0.41	1	197.41	0.88	120.94	28.72	0.76	93.95	0.43
242	0	747.04	-0.2	0	0	0	0.41	1	196.6	0.88	120.94	28.72	0.76	93.95	0.43
243	0	752.14	-0.2	0	0	0	0.41	1	196.36	0.88	120.94	28.72	0.76	93.95	0.43
244	0	759.46	-0.2	0	0	0	0.42	1.02	199.72	0.89	120.94	28.72	0.76	93.95	0.43
245	0	764.16	-0.2	0	0	0	0.42	1.08	207.55	0.89	120.94	28.72	0.76	93.95	0.43
246	0	768.45	-0.21	0	0	0	0.42	1.11	211.12	0.9	120.94	28.72	0.76	93.95	0.43
247	0	772.01	-0.21	0	0	0	0.43	1.13	213.47	0.9	120.94	28.72	0.76	93.95	0.43
248	0	777.2	-0.21	0	0	0	0.43	1.12	215.74	0.9	120.94	28.72	0.76	93.95	0.43
249	0	780.88	-0.21	0	0	0	0.43	1.12	217.2	0.9	120.94	28.72	0.76	93.95	0.43
250	0	783.66	-0.21	0	0	0	0.43	1.13	218.58	0.91	120.94	28.72	0.76	93.95	0.43
251	0	783.84	-0.21	0	0	0	0.44	1.13	218.42	0.91	120.94	28.72	0.76	93.95	0.43
252	0	782.11	-0.21	0	0	0	0.44	1.14	216.91	0.9	120.94	28.72	0.76	93.95	0.43
253	0	778.62	-0.21	0	0	0	0.44	1.14	214.77	0.9	120.94	28.72	0.76	93.95	0.43
254	0	775.17	-0.21	0	0	0	0.44	1.15	212.42	0.9	120.94	28.72	0.76	93.95	0.43
255	0	771.27	-0.21	0	0	0	0.44	1.16	209.96	0.9	120.94	28.72	0.76	93.95	0.43
256	0	766.97	-0.2	0	0	0	0.44	1.17	207.2	0.89	120.94	28.72	0.76	93.95	0.43
257	0	763.75	-0.2	0	0	0	0.44	1.18	204.75	0.89	120.94	28.72	0.76	93.95	0.43
258	0	762.19	-0.2	0	0	0	0.44	1.19	203.09	0.89	120.94	28.72	0.76	93.95	0.43
259	0	761.95	-0.2	0	0	0	0.44	1.19	202.39	0.89	120.94	28.72	0.76	93.95	0.43
260	0	761.58	-0.2	0	0	0	0.44	1.19	201.91	0.89	120.94	28.72	0.76	93.95	0.43
261	0	755.9	-0.2	0	0	0	0.44	1.18	198.78	0.89	120.94	28.72	0.76	93.95	0.43
262	0	743.65	-0.19	0	0	0	0.44	1.17	192.26	0.88	120.94	28.72	0.76	93.95	0.43
263	0	727.66	-0.19	0	0	0	0.44	1.15	183.76	0.87	120.94	28.72	0.76	93.95	0.43
264	0	709.76	-0.18	0	0	0	0.43	1.13	174.37	0.86	120.94	28.72	0.76	93.95	0.43
265	0	697.55	-0.17	0	0	0	0.43	1.13	167.86	0.85	120.94	28.72	0.76	93.95	0.43
266	0	690.99	-0.17	0	0	0	0.43	1.14	164.69	0.85	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
267	0	692.14	-0.17	0	0	0	0.43	1.17	164.99	0.85	120.94	28.72	0.76	93.95	0.43
268	0	693.28	-0.17	0	0	0	0.44	1.19	164.61	0.85	120.94	28.72	0.76	93.95	0.43
269	0	685.9	-0.17	0	0	0	0.43	1.18	161.07	0.84	120.94	28.72	0.76	93.95	0.43
270	0	672.22	-0.16	0	0	0	0.43	1.16	154.61	0.83	120.94	28.72	0.76	93.95	0.43
271	0	656.98	-0.16	0	0	0	0.43	1.13	147.08	0.82	120.94	28.72	0.76	93.95	0.43
272	0	651.25	-0.15	0	0	0	0.43	1.16	144.63	0.82	120.94	28.72	0.76	93.95	0.43
273	0	655.51	-0.15	0	0	0	0.43	1.2	145.11	0.82	120.94	28.72	0.76	93.95	0.43
274	0	663.64	-0.15	0	0	0	0.43	1.23	145.92	0.82	120.94	28.72	0.76	93.95	0.43
275	0	672.8	-0.16	0	0	0	0.44	1.25	148.13	0.82	120.94	28.72	0.76	93.95	0.43
276	0	681.61	-0.16	0	0	0	0.44	1.25	151.6	0.83	120.94	28.72	0.76	93.95	0.43
277	0	690.65	-0.17	0	0	0	0.45	1.23	157.47	0.84	120.94	28.72	0.76	93.95	0.43
278	0	699.02	-0.17	0	0	0	0.45	1.18	164.18	0.85	120.94	28.72	0.76	93.95	0.43
279	0	705.23	-0.17	0	0	0	0.45	1.13	167.17	0.85	120.94	28.72	0.76	93.95	0.43
280	0	705.37	-0.17	0	0	0	0.46	1.1	165.69	0.85	120.94	28.72	0.76	93.95	0.43
281	0	699.24	-0.17	0	0	0	0.45	1.08	161.45	0.84	120.94	28.72	0.76	93.95	0.43
282	0	685	-0.16	0	0	0	0.45	1.05	152.93	0.83	120.94	28.72	0.76	93.95	0.43
283	0	668.47	-0.15	0	0	0	0.44	1.01	142.72	0.82	120.94	28.72	0.76	93.95	0.43
284	0	656.69	-0.14	0	0	0	0.44	1	136.67	0.81	120.94	28.72	0.76	93.95	0.43
285	0	657.14	-0.15	0	0	0	0.45	1.06	140.87	0.81	120.94	28.72	0.76	93.95	0.43
286	0	672.68	-0.16	0	0	0	0.45	1.17	150.02	0.83	120.94	28.72	0.76	93.95	0.43
287	0	687.31	-0.16	0	0	0	0.46	1.24	151.56	0.83	120.94	28.72	0.76	93.95	0.43
288	0	695.79	-0.16	0	0	0	0.46	1.3	149.41	0.83	120.94	28.72	0.76	93.95	0.43
289	0	694.97	-0.15	0	0	0	0.46	1.34	146.28	0.82	120.94	28.72	0.76	93.95	0.43
290	0	692.53	-0.15	0	0	0	0.46	1.35	144.46	0.82	120.94	28.72	0.76	93.95	0.43
291	0	692.16	-0.15	0	0	0	0.46	1.31	145.92	0.82	120.94	28.72	0.76	93.95	0.43
292	0	699.11	-0.16	0	0	0	0.47	1.26	152.83	0.83	120.94	28.72	0.76	93.95	0.43
293	0	711.2	-0.17	0	0	0	0.47	1.23	161.52	0.84	120.94	28.72	0.76	93.95	0.43
294	0	723.15	-0.17	0	0	0	0.48	1.22	167.73	0.85	120.94	28.72	0.76	93.95	0.43
295	0	727.49	-0.18	0	0	0	0.48	1.22	169.44	0.85	120.94	28.72	0.76	93.95	0.43
296	0	727.11	-0.17	0	0	0	0.48	1.23	168.23	0.85	120.94	28.72	0.76	93.95	0.43
297	0	727.69	-0.17	0	0	0	0.48	1.23	167.6	0.85	120.94	28.72	0.76	93.95	0.43
298	0	730.72	-0.17	0	0	0	0.49	1.24	167.63	0.85	120.94	28.72	0.76	93.95	0.43
299	0	734.48	-0.17	0	0	0	0.49	1.25	167.54	0.85	120.94	28.72	0.76	93.95	0.43
300	0	736.21	-0.17	0	0	0	0.49	1.27	166.22	0.85	120.94	28.72	0.76	93.95	0.43
301	0	735.96	-0.17	0	0	0	0.49	1.28	164.52	0.85	120.94	28.72	0.76	93.95	0.43
302	0	733.04	-0.17	0	0	0	0.49	1.28	162.52	0.84	120.94	28.72	0.76	93.95	0.43
303	0	729.36	-0.17	0	0	0	0.49	1.28	160.34	0.84	120.94	28.72	0.76	93.95	0.43
304	0	725.82	-0.17	0	0	0	0.49	1.29	158.28	0.84	120.94	28.72	0.76	93.95	0.43

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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
305	0	722.63	-0.16	0	0	0	0.49	1.29	156.38	0.84	120.94	28.72	0.76	93.95	0.43
306	0	720.1	-0.16	0	0	0	0.49	1.29	154.47	0.83	120.94	28.72	0.76	93.95	0.43
307	0	717.07	-0.16	0	0	0	0.49	1.3	152.71	0.83	120.94	28.72	0.76	93.95	0.43
308	0	714.14	-0.16	0	0	0	0.49	1.29	151.44	0.83	120.94	28.72	0.76	93.95	0.43
309	0	711.44	-0.16	0	0	0	0.49	1.29	150.1	0.83	120.94	28.72	0.76	93.95	0.43
310	0	708.33	-0.16	0	0	0	0.49	1.28	149.19	0.83	120.94	28.72	0.76	93.95	0.43
311	0	704.04	-0.16	0	0	0	0.49	1.28	147.82	0.82	120.94	28.72	0.76	93.95	0.43
312	0	697.42	-0.15	0	0	0	0.49	1.26	146.19	0.82	120.94	28.72	0.76	93.95	0.43
313	0	688.63	-0.15	0	0	0	0.49	1.25	143.54	0.82	120.94	28.72	0.76	93.95	0.43
314	0	677.31	-0.15	0	0	0	0.49	1.24	139.62	0.81	120.94	28.72	0.76	93.95	0.43
315	0	667.59	-0.14	0	0	0	0.49	1.24	135.5	0.81	120.94	28.72	0.76	93.95	0.43
316	0	661.71	-0.14	0	0	0	0.49	1.25	132.26	0.8	120.94	28.72	0.76	93.95	0.43
317	0	659.3	-0.14	0	0	0	0.49	1.26	129.95	0.8	120.94	28.72	0.76	93.95	0.43
318	0	659.35	-0.14	0	0	0	0.49	1.27	128.47	0.8	120.94	28.72	0.76	93.95	0.43
319	0	660.22	-0.13	0	0	0	0.49	1.29	127.1	0.79	120.94	28.72	0.76	93.95	0.43
320	0	665.09	-0.14	0	0	0	0.49	1.3	127.8	0.8	120.94	28.72	0.76	93.95	0.43
321	0	672.69	-0.14	0	0	0	0.49	1.29	131.66	0.8	120.94	28.72	0.76	93.95	0.43
322	0	679.07	-0.14	0	0	0	0.5	1.26	136.28	0.81	120.94	28.72	0.76	93.95	0.43
323	0	680.75	-0.15	0	0	0	0.5	1.23	139.76	0.81	120.94	28.72	0.76	93.95	0.43
324	0	678.18	-0.15	0	0	0	0.51	1.22	140.02	0.81	120.94	28.72	0.76	93.95	0.43
325	0	676.29	-0.15	0	0	0	0.51	1.21	139.54	0.81	120.94	28.72	0.76	93.95	0.43
326	0	674.38	-0.15	0	0	0	0.51	1.21	138.72	0.81	120.94	28.72	0.76	93.95	0.43
327	0	671.18	-0.15	0	0	0	0.51	1.21	137.11	0.81	120.94	28.72	0.76	93.95	0.43
328	0	667.87	-0.14	0	0	0	0.51	1.2	135.68	0.81	120.94	28.72	0.76	93.95	0.43
329	0	666.86	-0.14	0	0	0	0.51	1.2	135.1	0.81	120.94	28.72	0.76	93.95	0.43
330	0	670.38	-0.14	0	0	0	0.51	1.21	135.92	0.81	120.94	28.72	0.76	93.95	0.43
331	0	676.04	-0.15	0	0	0	0.51	1.22	137.47	0.81	120.94	28.72	0.76	93.95	0.43
332	0	683.53	-0.15	0	0	0	0.52	1.23	139.05	0.81	120.94	28.72	0.76	93.95	0.43
333	0	689.75	-0.15	0	0	0	0.52	1.25	139.22	0.81	120.94	28.72	0.76	93.95	0.43
334	0	693.64	-0.15	0	0	0	0.52	1.28	136.93	0.81	120.94	28.72	0.76	93.95	0.43
335	0	695.09	-0.14	0	0	0	0.52	1.32	133.98	0.8	120.94	28.72	0.76	93.95	0.43
336	0	693.17	-0.14	0	0	0	0.52	1.39	130.72	0.8	120.94	28.72	0.76	93.95	0.43
337	0	686.02	-0.13	0	0	0	0.51	1.48	127.56	0.79	120.94	28.72	0.76	93.95	0.43
338	0	677.84	-0.13	0	0	0	0.52	1.62	126.6	0.79	120.94	28.72	0.76	93.95	0.43
339	0	672.05	-0.14	0	0	0	0.52	1.83	129.91	0.8	120.94	28.72	0.76	93.95	0.43
340	0	673.68	-0.15	0	0	0	0.53	2.09	138.45	0.81	120.94	28.72	0.76	93.95	0.43
341	0	674.42	-0.15	0	0	0	0.53	2.21	141.98	0.82	120.94	28.72	0.76	93.95	0.43
342	0	662.82	-0.15	0	0	0	0.53	2.29	139.39	0.81	120.94	28.72	0.76	93.95	0.43

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Parking Lot Data Gap Program
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	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
343	0	650.76	-0.13	0	0	0	0.52	2.06	127.27	0.79	120.94	28.72	0.76	93.95	0.43
344	0	644.42	-0.12	0	0	0	0.51	1.74	115.82	0.78	120.94	28.72	0.76	93.95	0.43
345	0	650.05	-0.12	0	0	0	0.51	1.46	112.63	0.77	120.94	28.72	0.76	93.95	0.43
346	0	659.34	-0.12	0	0	0	0.52	1.32	117.93	0.78	120.94	28.72	0.76	93.95	0.43
347	0	667.09	-0.13	0	0	0	0.53	1.28	123.61	0.79	120.94	28.72	0.76	93.95	0.43
348	0	677.58	-0.14	0	0	0	0.53	1.27	128.82	0.8	120.94	28.72	0.76	93.95	0.43
349	0	686.05	-0.14	0	0	0	0.54	1.27	131.28	0.8	120.94	28.72	0.76	93.95	0.43
350	0	696.18	-0.14	0	0	0	0.54	1.28	134.57	0.81	120.94	28.72	0.76	93.95	0.43
351	0	704.95	-0.15	0	0	0	0.55	1.28	137.43	0.81	120.94	28.72	0.76	93.95	0.43
352	0	713.26	-0.15	0	0	0	0.55	1.29	139.64	0.81	120.94	28.72	0.76	93.95	0.43
353	0	719.81	-0.15	0	0	0	0.55	1.3	141.04	0.81	120.94	28.72	0.76	93.95	0.43
354	0	724.99	-0.15	0	0	0	0.55	1.3	142.19	0.82	120.94	28.72	0.76	93.95	0.43
355	0	728.23	-0.15	0	0	0	0.56	1.3	143.2	0.82	120.94	28.72	0.76	93.95	0.43
356	0	730.08	-0.15	0	0	0	0.56	1.3	144.41	0.82	120.94	28.72	0.76	93.95	0.43
357	0	732.24	-0.15	0	0	0	0.56	1.29	146.07	0.82	120.94	28.72	0.76	93.95	0.43
358	0	734.96	-0.16	0	0	0	0.57	1.27	148.92	0.83	120.94	28.72	0.76	93.95	0.43
359	0	736.92	-0.16	0	0	0	0.57	1.25	151.48	0.83	120.94	28.72	0.76	93.95	0.43
360	0	738.66	-0.16	0	0	0	0.57	1.24	153.32	0.83	120.94	28.72	0.76	93.95	0.43
361	0	740.78	-0.16	0	0	0	0.58	1.25	153.56	0.83	120.94	28.72	0.76	93.95	0.43
362	0	743.34	-0.16	0	0	0	0.58	1.26	152.68	0.83	120.94	28.72	0.76	93.95	0.43
363	0	742.93	-0.16	0	0	0	0.58	1.27	150.19	0.83	120.94	28.72	0.76	93.95	0.43
364	0	738.73	-0.15	0	0	0	0.57	1.29	146.28	0.82	120.94	28.72	0.76	93.95	0.43
365	0	733.53	-0.15	0	0	0	0.57	1.31	142	0.82	120.94	28.72	0.76	93.95	0.43
366	0	729.91	-0.15	0	0	0	0.57	1.33	139.02	0.81	120.94	28.72	0.76	93.95	0.43
367	0	731.04	-0.15	0	0	0	0.57	1.35	138.45	0.81	120.94	28.72	0.76	93.95	0.43
368	0	732.52	-0.15	0	0	0	0.57	1.36	138.34	0.81	120.94	28.72	0.76	93.95	0.43
369	0	732.92	-0.15	0	0	0	0.57	1.35	138.48	0.81	120.94	28.72	0.76	93.95	0.43
370	0	732.91	-0.15	0	0	0	0.58	1.34	138.89	0.81	120.94	28.72	0.76	93.95	0.43
371	0	736.64	-0.15	0	0	0	0.58	1.31	141.97	0.82	120.94	28.72	0.76	93.95	0.43
372	0	746.39	-0.16	0	0	0	0.59	1.29	147.24	0.82	120.94	28.72	0.76	93.95	0.43
373	0	757.14	-0.16	0	0	0	0.59	1.29	151.42	0.83	120.94	28.72	0.76	93.95	0.43
374	0	760.9	-0.16	0	0	0	0.6	1.3	151.38	0.83	120.94	28.72	0.76	93.95	0.43
375	0	755.93	-0.16	0	0	0	0.59	1.31	148.17	0.82	120.94	28.72	0.76	93.95	0.43
376	0	748.27	-0.15	0	0	0	0.59	1.32	144.65	0.82	120.94	28.72	0.76	93.95	0.43
377	0	744.9	-0.15	0	0	0	0.59	1.31	143.78	0.82	120.94	28.72	0.76	93.95	0.43
378	0	746.58	-0.15	0	0	0	0.6	1.31	144.49	0.82	120.94	28.72	0.76	93.95	0.43
379	0	748.93	-0.15	0	0	0	0.6	1.3	145.64	0.82	120.94	28.72	0.76	93.95	0.43
380	0	749.71	-0.15	0	0	0	0.6	1.3	145.9	0.82	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
381	0	748.97	-0.15	0	0	0	0.6	1.3	145.45	0.82	120.94	28.72	0.76	93.95	0.43
382	0	746.83	-0.15	0	0	0	0.6	1.29	144.74	0.82	120.94	28.72	0.76	93.95	0.43
383	0	745.6	-0.15	0	0	0	0.6	1.29	144.23	0.82	120.94	28.72	0.76	93.95	0.43
384	0	745.57	-0.15	0	0	0	0.6	1.29	144.03	0.82	120.94	28.72	0.76	93.95	0.43
385	0	746.22	-0.15	0	0	0	0.61	1.29	144.46	0.82	120.94	28.72	0.76	93.95	0.43
386	0	746.04	-0.15	0	0	0	0.61	1.28	144.64	0.82	120.94	28.72	0.76	93.95	0.43
387	0	745.69	-0.15	0	0	0	0.61	1.28	144.95	0.82	120.94	28.72	0.76	93.95	0.43
388	0	746.48	-0.15	0	0	0	0.61	1.28	145.41	0.82	120.94	28.72	0.76	93.95	0.43
389	0	749.81	-0.15	0	0	0	0.61	1.28	146.37	0.82	120.94	28.72	0.76	93.95	0.43
390	0	750.81	-0.16	0	0	0	0.62	1.27	146.89	0.82	120.94	28.72	0.76	93.95	0.43
391	0	746.54	-0.15	0	0	0	0.62	1.26	146.42	0.82	120.94	28.72	0.76	93.95	0.43
392	0	740.31	-0.15	0	0	0	0.62	1.25	145.37	0.82	120.94	28.72	0.76	93.95	0.43
393	0	736.28	-0.15	0	0	0	0.62	1.24	144.43	0.82	120.94	28.72	0.76	93.95	0.43
394	0	736.1	-0.15	0	0	0	0.62	1.24	144.12	0.82	120.94	28.72	0.76	93.95	0.43
395	0	735.5	-0.15	0	0	0	0.62	1.24	143.73	0.82	120.94	28.72	0.76	93.95	0.43
396	0	733.23	-0.15	0	0	0	0.62	1.24	142.59	0.82	120.94	28.72	0.76	93.95	0.43
397	0	730.88	-0.15	0	0	0	0.62	1.25	141.16	0.81	120.94	28.72	0.76	93.95	0.43
398	0	729.06	-0.15	0	0	0	0.62	1.25	140.24	0.81	120.94	28.72	0.76	93.95	0.43
399	0	729.04	-0.15	0	0	0	0.62	1.25	140.04	0.81	120.94	28.72	0.76	93.95	0.43
400	0	729.36	-0.15	0	0	0	0.62	1.24	139.99	0.81	120.94	28.72	0.76	93.95	0.43
401	0	728.64	-0.15	0	0	0	0.63	1.24	139.93	0.81	120.94	28.72	0.76	93.95	0.43
402	0	728.92	-0.15	0	0	0	0.63	1.24	140.43	0.81	120.94	28.72	0.76	93.95	0.43
403	0	729.47	-0.15	0	0	0	0.63	1.23	141.51	0.82	120.94	28.72	0.76	93.95	0.43
404	0	734.91	-0.15	0	0	0	0.64	1.22	144.61	0.82	120.94	28.72	0.76	93.95	0.43
405	0	745.4	-0.16	0	0	0	0.64	1.21	148.78	0.83	120.94	28.72	0.76	93.95	0.43
406	0	764.23	-0.16	0	0	0	0.65	1.24	153.42	0.83	120.94	28.72	0.76	93.95	0.43
407	0	780.51	-0.16	0	0	0	0.65	1.28	153.93	0.83	120.94	28.72	0.76	93.95	0.43
408	0	791.34	-0.16	0	0	0	0.65	1.35	151.34	0.83	120.94	28.72	0.76	93.95	0.43
409	0	784.32	-0.15	0	0	0	0.65	1.51	146.28	0.82	120.94	28.72	0.76	93.95	0.43
410	0	768.49	-0.15	0	0	0	0.65	1.77	145.82	0.82	120.94	28.72	0.76	93.95	0.43
411	0	745.61	-0.15	0	0	0	0.65	2.07	146.05	0.82	120.94	28.72	0.76	93.95	0.43
412	0	728.46	-0.15	0	0	0	0.64	2.12	140.7	0.81	120.94	28.72	0.76	93.95	0.43
413	0	713.6	-0.14	0	0	0	0.64	2.06	132.96	0.8	120.94	28.72	0.76	93.95	0.43
414	0	703.73	-0.13	0	0	0	0.62	1.69	119.76	0.78	120.94	28.72	0.76	93.95	0.43
415	0	696.06	-0.12	0	0	0	0.62	1.4	114.37	0.77	120.94	28.72	0.76	93.95	0.43
416	0	692.57	-0.13	0	0	0	0.63	1.26	121.44	0.79	120.94	28.72	0.76	93.95	0.43
417	0	700.13	-0.14	0	0	0	0.64	1.21	129.6	0.8	120.94	28.72	0.76	93.95	0.43
418	0	716.02	-0.14	0	0	0	0.65	1.19	136.29	0.81	120.94	28.72	0.76	93.95	0.43

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CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
419	0	731.97	-0.15	0	0	0	0.66	1.21	140.87	0.81	120.94	28.72	0.76	93.95	0.43
420	0	746.93	-0.15	0	0	0	0.66	1.25	141.77	0.82	120.94	28.72	0.76	93.95	0.43
421	0	756.75	-0.15	0	0	0	0.66	1.29	140.5	0.81	120.94	28.72	0.76	93.95	0.43
422	0	759.93	-0.15	0	0	0	0.66	1.31	139.39	0.81	120.94	28.72	0.76	93.95	0.43
423	0	748.01	-0.15	0	0	0	0.66	1.29	137.12	0.81	120.94	28.72	0.76	93.95	0.43
424	0	734.32	-0.14	0	0	0	0.66	1.27	134.41	0.81	120.94	28.72	0.76	93.95	0.43
425	0	723.84	-0.14	0	0	0	0.65	1.26	131.25	0.8	120.94	28.72	0.76	93.95	0.43
426	0	728.08	-0.14	0	0	0	0.65	1.27	131.3	0.8	120.94	28.72	0.76	93.95	0.43
427	0	734.72	-0.14	0	0	0	0.66	1.26	134.73	0.81	120.94	28.72	0.76	93.95	0.43
428	0	736.96	-0.15	0	0	0	0.67	1.22	139.72	0.81	120.94	28.72	0.76	93.95	0.43
429	0	730.88	-0.15	0	0	0	0.67	1.18	140.91	0.81	120.94	28.72	0.76	93.95	0.43
430	0	714.13	-0.14	0	0	0	0.67	1.11	135.26	0.81	120.94	28.72	0.76	93.95	0.43
431	0	700.73	-0.14	0	0	0	0.66	1.08	129.19	0.8	120.94	28.72	0.76	93.95	0.43
432	0	691.1	-0.13	0	0	0	0.66	1.05	124.33	0.79	120.94	28.72	0.76	93.95	0.43
433	0	694.7	-0.13	0	0	0	0.66	1.07	126.35	0.79	120.94	28.72	0.76	93.95	0.43
434	0	702.61	-0.14	0	0	0	0.67	1.1	130.01	0.8	120.94	28.72	0.76	93.95	0.43
435	0	711.86	-0.14	0	0	0	0.67	1.14	133.54	0.8	120.94	28.72	0.76	93.95	0.43
436	0	718.63	-0.14	0	0	0	0.68	1.16	135.54	0.81	120.94	28.72	0.76	93.95	0.43
437	0	721.54	-0.14	0	0	0	0.68	1.17	136	0.81	120.94	28.72	0.76	93.95	0.43
438	0	723.47	-0.14	0	0	0	0.68	1.18	136.1	0.81	120.94	28.72	0.76	93.95	0.43
439	0	724.04	-0.14	0	0	0	0.68	1.2	135.45	0.81	120.94	28.72	0.76	93.95	0.43
440	0	723.4	-0.14	0	0	0	0.68	1.21	134	0.8	120.94	28.72	0.76	93.95	0.43
441	0	714.19	-0.14	0	0	0	0.68	1.21	130.32	0.8	120.94	28.72	0.76	93.95	0.43
442	0	699.02	-0.13	0	0	0	0.67	1.2	125.65	0.79	120.94	28.72	0.76	93.95	0.43
443	0	684.03	-0.13	0	0	0	0.67	1.18	121.13	0.78	120.94	28.72	0.76	93.95	0.43
444	0	677.68	-0.12	0	0	0	0.67	1.17	118.95	0.78	120.94	28.72	0.76	93.95	0.43
445	0	679.97	-0.12	0	0	0	0.67	1.19	118.93	0.78	120.94	28.72	0.76	93.95	0.43
446	0	683.25	-0.12	0	0	0	0.67	1.21	118.75	0.78	120.94	28.72	0.76	93.95	0.43
447	0	685.47	-0.12	0	0	0	0.67	1.23	117.73	0.78	120.94	28.72	0.76	93.95	0.43
448	0	686.06	-0.12	0	0	0	0.67	1.24	116.04	0.78	120.94	28.72	0.76	93.95	0.43
449	0	684.8	-0.12	0	0	0	0.66	1.26	113.02	0.77	120.94	28.72	0.76	93.95	0.43
450	0	683.07	-0.11	0	0	0	0.66	1.29	109.88	0.77	120.94	28.72	0.76	93.95	0.43
451	0	678.02	-0.11	0	0	0	0.66	1.31	105.99	0.76	120.94	28.72	0.76	93.95	0.43
452	0	670.68	-0.1	0	0	0	0.65	1.33	102.69	0.75	120.94	28.72	0.76	93.95	0.43
453	0	662.58	-0.1	0	0	0	0.65	1.33	99.9	0.75	120.94	28.72	0.76	93.95	0.43
454	0	659.01	-0.1	0	0	0	0.65	1.33	98.88	0.75	120.94	28.72	0.76	93.95	0.43
455	0	661.46	-0.1	0	0	0	0.65	1.33	99.31	0.75	120.94	28.72	0.76	93.95	0.43
456	0	666.44	-0.1	0	0	0	0.66	1.34	99.96	0.75	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
457	0	669.86	-0.1	0	0	0	0.66	1.38	99.67	0.75	120.94	28.72	0.76	93.95	0.43
458	0	670.26	-0.1	0	0	0	0.66	1.43	98.79	0.75	120.94	28.72	0.76	93.95	0.43
459	0	668.78	-0.1	0	0	0	0.66	1.49	98.07	0.74	120.94	28.72	0.76	93.95	0.43
460	0	664.15	-0.1	0	0	0	0.66	1.54	96.85	0.74	120.94	28.72	0.76	93.95	0.43
461	0	660.17	-0.09	0	0	0	0.66	1.59	95.99	0.74	120.94	28.72	0.76	93.95	0.43
462	0	656.43	-0.09	0	0	0	0.66	1.64	95.39	0.74	120.94	28.72	0.76	93.95	0.43
463	0	654.15	-0.09	0	0	0	0.66	1.66	94.93	0.74	120.94	28.72	0.76	93.95	0.43
464	0	650.4	-0.09	0	0	0	0.66	1.68	93.97	0.74	120.94	28.72	0.76	93.95	0.43
465	0	645.08	-0.09	0	0	0	0.66	1.72	92.96	0.73	120.94	28.72	0.76	93.95	0.43
466	0	638.11	-0.09	0	0	0	0.65	1.76	91.42	0.73	120.94	28.72	0.76	93.95	0.43
467	0	633.34	-0.09	0	0	0	0.65	1.8	90.45	0.73	120.94	28.72	0.76	93.95	0.43
468	0	643.39	-0.09	0	0	0	0.66	1.84	94.07	0.74	120.94	28.72	0.76	93.95	0.43
469	0	664.44	-0.1	0	0	0	0.68	1.94	102.09	0.75	120.94	28.72	0.76	93.95	0.43
470	0	684.02	-0.11	0	0	0	0.69	2.05	110.48	0.77	120.94	28.72	0.76	93.95	0.43
471	0	691.59	-0.12	0	0	0	0.7	2.14	114.66	0.77	120.94	28.72	0.76	93.95	0.43
472	0	692.17	-0.12	0	0	0	0.7	2.19	115.79	0.78	120.94	28.72	0.76	93.95	0.43
473	0	692.94	-0.12	0	0	0	0.71	2.22	116.65	0.78	120.94	28.72	0.76	93.95	0.43
474	0	694.03	-0.12	0	0	0	0.71	2.22	116.79	0.78	120.94	28.72	0.76	93.95	0.43
475	0	694.57	-0.12	0	0	0	0.7	2.09	113.91	0.77	120.94	28.72	0.76	93.95	0.43
476	0	693.18	-0.11	0	0	0	0.69	1.78	106.56	0.76	120.94	28.72	0.76	93.95	0.43
477	0	691.08	-0.1	0	0	0	0.69	1.53	102.07	0.75	120.94	28.72	0.76	93.95	0.43
478	0	687.95	-0.1	0	0	0	0.69	1.39	101.74	0.75	120.94	28.72	0.76	93.95	0.43
479	0	687.53	-0.1	0	0	0	0.69	1.34	102.98	0.75	120.94	28.72	0.76	93.95	0.43
480	0	688.5	-0.11	0	0	0	0.7	1.32	104.53	0.76	120.94	28.72	0.76	93.95	0.43
481	0	692.59	-0.11	0	0	0	0.7	1.31	106.38	0.76	120.94	28.72	0.76	93.95	0.43
482	0	700.21	-0.11	0	0	0	0.71	1.31	108.38	0.76	120.94	28.72	0.76	93.95	0.43
483	0	707.38	-0.11	0	0	0	0.71	1.33	109.47	0.77	120.94	28.72	0.76	93.95	0.43
484	0	710.57	-0.11	0	0	0	0.71	1.35	108.84	0.76	120.94	28.72	0.76	93.95	0.43
485	0	708.84	-0.11	0	0	0	0.71	1.39	107.02	0.76	120.94	28.72	0.76	93.95	0.43
486	0	705.75	-0.11	0	0	0	0.71	1.45	105.01	0.76	120.94	28.72	0.76	93.95	0.43
487	0	703.44	-0.11	0	0	0	0.71	1.54	104.2	0.76	120.94	28.72	0.76	93.95	0.43
488	0	697.91	-0.11	0	0	0	0.71	1.64	103.61	0.75	120.94	28.72	0.76	93.95	0.43
489	0	683.47	-0.1	0	0	0	0.7	1.68	99.77	0.75	120.94	28.72	0.76	93.95	0.43
490	0	666.05	-0.09	0	0	0	0.69	1.67	94.42	0.74	120.94	28.72	0.76	93.95	0.43
491	0	648.74	-0.08	0	0	0	0.68	1.61	88.77	0.73	120.94	28.72	0.76	93.95	0.43
492	0	639.68	-0.08	0	0	0	0.68	1.5	85.49	0.72	120.94	28.72	0.76	93.95	0.43
493	0	635.82	-0.08	0	0	0	0.68	1.4	84.86	0.72	120.94	28.72	0.76	93.95	0.43
494	0	639.91	-0.08	0	0	0	0.69	1.35	87.23	0.72	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
495	0	650.19	-0.08	0	0	0	0.69	1.35	89.99	0.73	120.94	28.72	0.76	93.95	0.43
496	0	658.56	-0.09	0	0	0	0.7	1.37	91.49	0.73	120.94	28.72	0.76	93.95	0.43
497	0	662.57	-0.09	0	0	0	0.7	1.39	91.88	0.73	120.94	28.72	0.76	93.95	0.43
498	0	663.32	-0.09	0	0	0	0.7	1.41	91.65	0.73	120.94	28.72	0.76	93.95	0.43
499	0	665.56	-0.09	0	0	0	0.7	1.42	92.06	0.73	120.94	28.72	0.76	93.95	0.43
500	0	669.25	-0.09	0	0	0	0.71	1.42	92.89	0.73	120.94	28.72	0.76	93.95	0.43
501	0	675.59	-0.09	0	0	0	0.71	1.42	94.56	0.74	120.94	28.72	0.76	93.95	0.43
502	0	682.43	-0.09	0	0	0	0.71	1.41	96.42	0.74	120.94	28.72	0.76	93.95	0.43
503	0	690.45	-0.1	0	0	0	0.72	1.41	98.65	0.75	120.94	28.72	0.76	93.95	0.43
504	0	697.6	-0.1	0	0	0	0.73	1.41	100.53	0.75	120.94	28.72	0.76	93.95	0.43
505	0	704.2	-0.1	0	0	0	0.73	1.41	102.31	0.75	120.94	28.72	0.76	93.95	0.43
506	0	710.36	-0.11	0	0	0	0.73	1.41	104.06	0.76	120.94	28.72	0.76	93.95	0.43
507	0	715.11	-0.11	0	0	0	0.74	1.4	105.39	0.76	120.94	28.72	0.76	93.95	0.43
508	0	717.77	-0.11	0	0	0	0.74	1.39	106.19	0.76	120.94	28.72	0.76	93.95	0.43
509	0	718.9	-0.11	0	0	0	0.74	1.4	106.26	0.76	120.94	28.72	0.76	93.95	0.43
510	0	721.2	-0.11	0	0	0	0.74	1.42	106.45	0.76	120.94	28.72	0.76	93.95	0.43
511	0	726.9	-0.11	0	0	0	0.75	1.45	107.62	0.76	120.94	28.72	0.76	93.95	0.43
512	0	732.93	-0.11	0	0	0	0.75	1.49	109.05	0.76	120.94	28.72	0.76	93.95	0.43
513	0	736.93	-0.11	0	0	0	0.76	1.55	110.37	0.77	120.94	28.72	0.76	93.95	0.43
514	0	735.08	-0.11	0	0	0	0.76	1.62	110.46	0.77	120.94	28.72	0.76	93.95	0.43
515	0	735.51	-0.11	0	0	0	0.76	1.66	110.96	0.77	120.94	28.72	0.76	93.95	0.43
516	0	730.89	-0.11	0	0	0	0.76	1.71	110.19	0.77	120.94	28.72	0.76	93.95	0.43
517	0	727.68	-0.11	0	0	0	0.76	1.65	108.21	0.76	120.94	28.72	0.76	93.95	0.43
518	0	722.4	-0.11	0	0	0	0.75	1.58	105.53	0.76	120.94	28.72	0.76	93.95	0.43
519	0	721.66	-0.11	0	0	0	0.75	1.5	104.77	0.76	120.94	28.72	0.76	93.95	0.43
520	0	721.87	-0.11	0	0	0	0.76	1.5	104.62	0.76	120.94	28.72	0.76	93.95	0.43
521	0	719.46	-0.11	0	0	0	0.76	1.53	103.96	0.76	120.94	28.72	0.76	93.95	0.43
522	0	717.04	-0.11	0	0	0	0.76	1.6	103.61	0.75	120.94	28.72	0.76	93.95	0.43
523	0	714.93	-0.11	0	0	0	0.76	1.69	104.17	0.76	120.94	28.72	0.76	93.95	0.43
524	0	713.11	-0.11	0	0	0	0.77	1.88	106.89	0.76	120.94	28.72	0.76	93.95	0.43
525	0	724.47	-0.12	0	0	0	0.79	2.29	118.95	0.78	120.94	28.72	0.76	93.95	0.43
526	16.02	744.9	0	1	2.21	0	3.53	2.85	138.24	0.58	120.94	28.72	0.76	93.95	0.43
527	15.57	764.68	0	1	1.85	0	3.43	3.3	155.61	0.58	120.94	28.72	0.76	93.95	0.43
528	15.62	773.62	0	1	1.76	0	3.45	3.41	161.48	0.58	120.94	28.72	0.76	93.95	0.43
529	15.79	779.58	0	1	1.72	0	3.49	3.43	164.04	0.58	120.94	28.72	0.76	93.95	0.43
530	17.86	796.36	0	1	1.89	0	3.96	2.95	159.49	0.58	120.94	28.72	0.76	93.95	0.43
531	0	826.96	-0.15	0	0	0	0.84	2.03	146.15	0.82	120.94	28.72	0.76	93.95	0.43
532	0	861.04	-0.16	0	0	0	0.84	1.42	147.41	0.82	120.94	28.72	0.76	93.95	0.43

Former Nepera Harriman Site
Parking Lot Data Gap Program
CPT Results

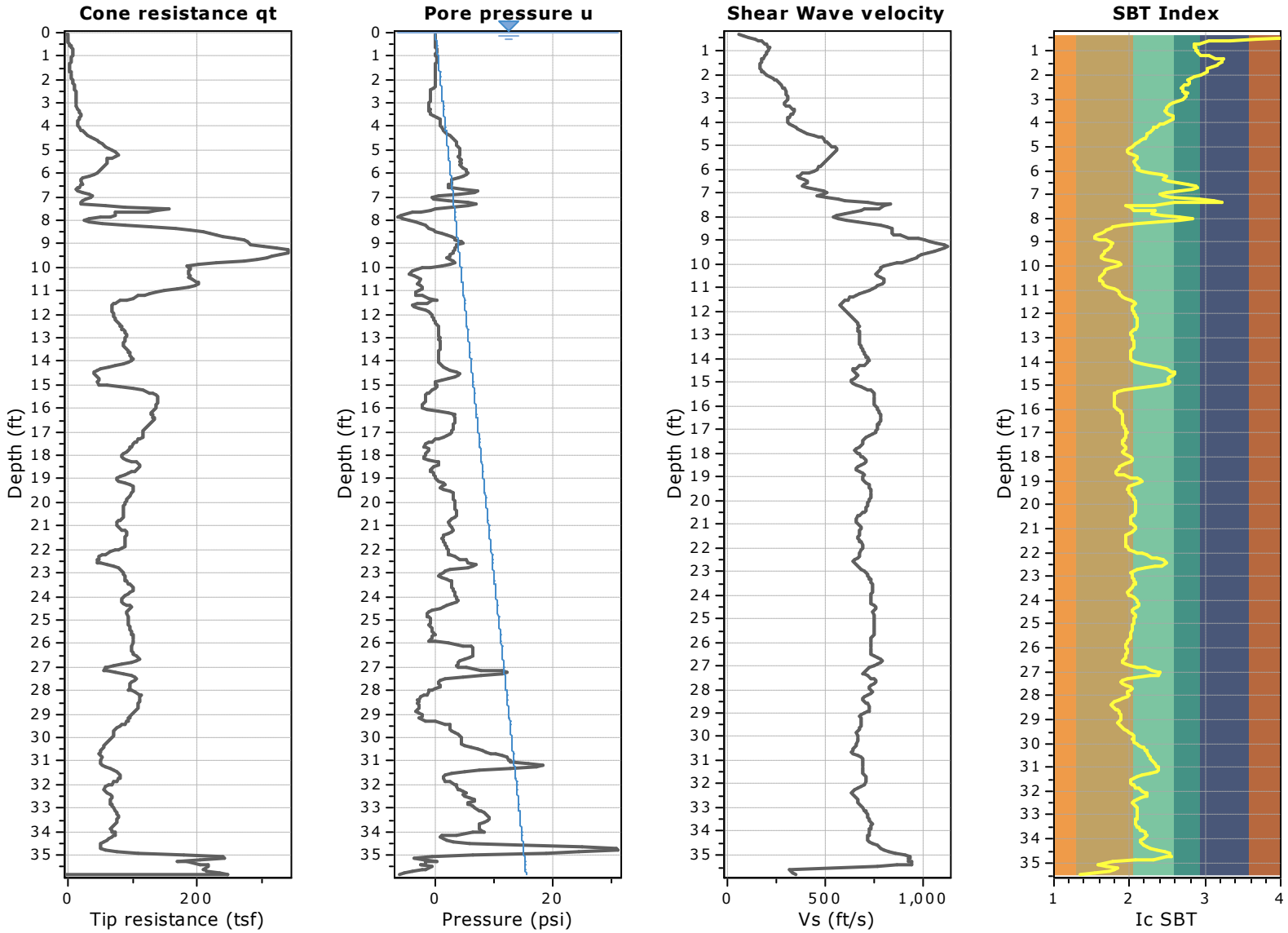
	Estimations														
No	OCR	Vs (ft/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (tsf)	Grain Factor	Qtn,cs	Residual Shear Strength	γ (pcf)	w (%)	e	γd (pcf)	n
533	0	908.9	-0.2	0	0	0	0.9	1.13	194.21	0.88	120.94	28.72	0.76	93.95	0.43
534	0	935.88	-0.22	0	0	0	0.94	1	229.76	0.92	120.94	28.72	0.76	93.95	0.43
535	0	933.91	-0.22	0	0	0	0.94	1	232.72	0.92	120.94	28.72	0.76	93.95	0.43
536	0	924.37	-0.2	0	0	0	0.91	1	196.02	0.88	120.94	28.72	0.76	93.95	0.43
537	0	923.12	-0.2	0	0	0	0.91	1.2	194.98	0.88	120.94	28.72	0.76	93.95	0.43
538	0	937.47	-0.2	0	0	0	0.92	1.16	204.65	0.89	120.94	28.72	0.76	93.95	0.43
539	0	940.1	-0.2	0	0	0	0.92	1.05	203.83	0.89	120.94	28.72	0.76	93.95	0.43
540	0	862.92	-0.2	0	0	0	0.93	1	205.75	0.89	120.94	28.72	0.76	93.95	0.43
541	0	768.06	-0.2	0	0	0	0.93	1	206.87	0.89	120.94	28.72	0.76	93.95	0.43
542	0	319.81	0	0	0	0	0	1	201.76	0	120.94	28.72	0.76	93.95	0.43
543	0	320.17	0	0	0	0	0	1	201.96	0	120.94	28.72	0.76	93.95	0.43
544	0	323.4	0	0	0	0	0	1	205.71	0	120.94	28.72	0.76	93.95	0.43
545	0	337.17	0	0	0	0	0	1	223.17	0	120.94	28.72	0.76	93.95	0.43
546	0	346.66	0	0	0	0	0	1	235.48	0	120.94	28.72	0.76	93.95	0.43

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CPT: PL-C-5
Total depth: 35.83 ft, Date: 5/10/2024
Coords: lat 41.309813° lon -74.142693°
Cone Operator: Eric Ramey

Project:
Location:

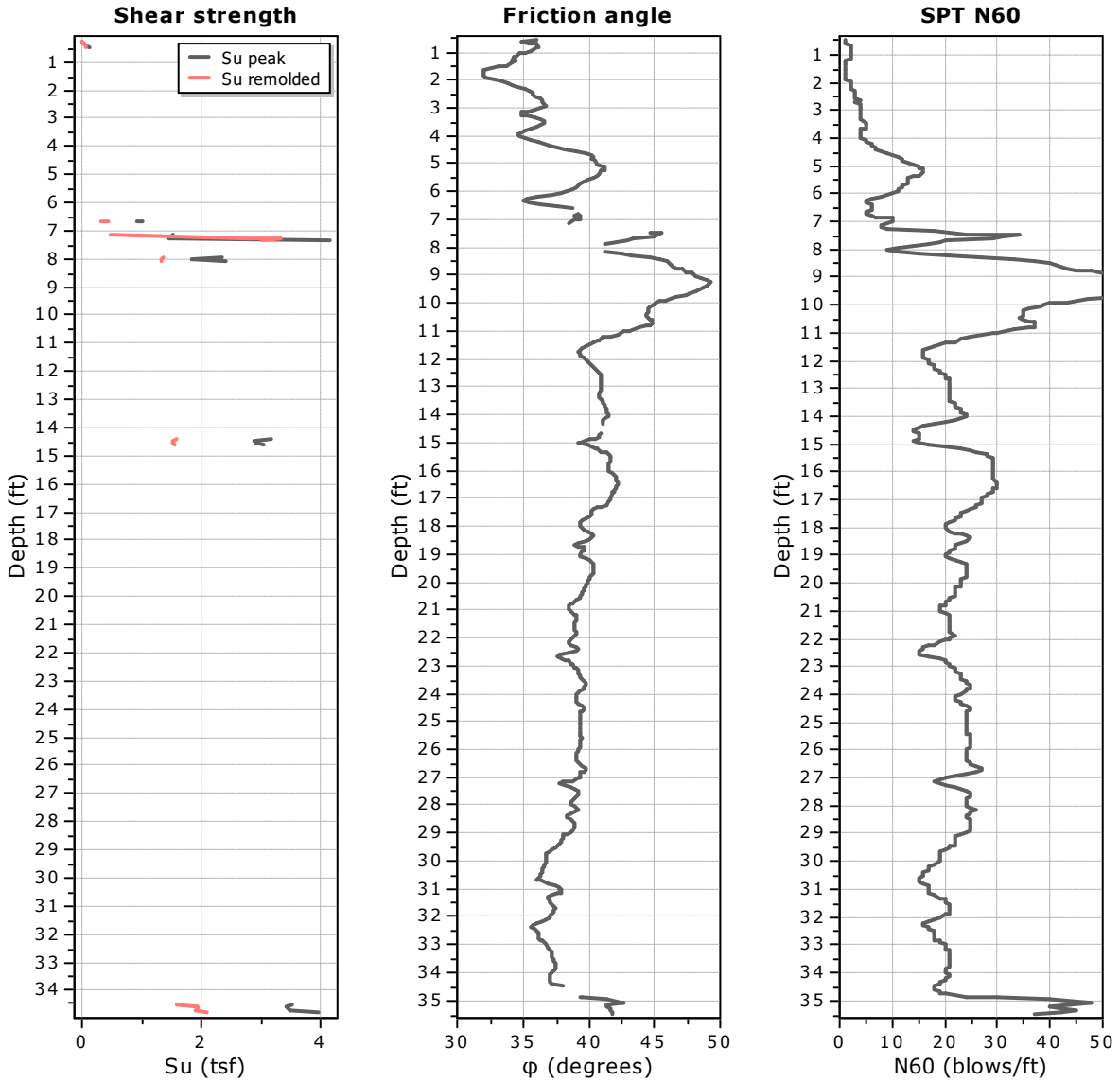


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Location:



Appendix B
Soil Boring Logs

Appendix B-2
Soil Borings

Station	x coordinate	y coordinate	Start Depth (ft)	End Depth (ft)	Penetration	Recovery (ft)	Description	ASTM Description	PID	Samples
PL-C-1	590395.5	902218.7	0	15	15	0ft–5ft: 4.1ft 5ft–10ft: 4.5ft 10ft–15ft: 4.2ft	0ft–0.75ft: Grey, dry, dense, fm SAND AND GRAVEL, little Silt. 0.75ft–4.1ft: White to gray, wet, dense, Clayey SILT, little Sand, no odor/sheen. 5ft–8.7ft: SAA 8.7ft–9.5ft: Black, moist, dense, f SAND, and Silt & Clay, little (–) Gravel, no odor/sheen. 10–14.2ft: SAA	0ft–0.75ft: SW/GW 0.75ft–4.1ft: ML-CL 5ft–8.7ft: ML-CL 8.7ft–9.5ft: SP 10ft–14.2ft: SP	0	PL-C-1W-20240508-0.75-4.1 PL-C-1S-20240508-9.7-10.7 PL-C-1S-20240508-9.7-14.7
PL-C-2	590314.9	902121.3	0	10	10	0ft–5ft: 5ft 5ft–10ft: 4.9ft	0ft–1.1ft: Gray to brown, moist, dense fm SAND AND GRAVEL, some Silt, no odor/sheen. 1.1ft–5ft: Gray, moist to wet, dense, Clayey SILT, little Sand, no odor/sheen. 5ft–7.4ft: Gray to black, wet, Clayey SILT, some Gravel, no odor/sheen. 7.4ft–9.4ft: Black, wet, dense, f SAND, and Silt & Clay, little m Sand, trace organics.	0–1.1ft: SM/GM 1.1ft–5ft: ML-CL 5ft–7.4ft: ML-CL 7.4ft–9.4: SP	0	PL-C-2W-20240508-1.7-7.4 PL-C-2S-20240508-8.3-8.9 PL-C-2S-20240508-8.3-9.4 FD-W-1 FD-S-1
PL-C-3	590435.2	902036	0	10	10	0ft–5ft: 4.1ft 5ft–10ft: 3.6ft	0ft–0.5ft: Light gray, dense, moist, fmc SAND, little Silt, no sheen/odor. 0.5ft–0.85ft: Grey, dense, moist, fm GRAVEL, little (–) fmc Sand, no sheen/odor. 0.85ft–3.2ft: Grey to white, dense to soft, moist to wet, Clayey SILT, trace (+) f Sand. F Sand starts @ 2.5ft. 3.2ft–4.1ft: Black, wet, dense, fm SAND, little Silt. 5ft–5.2ft: Brown, dry–moist, dense, Silty fm SAND, no odor/sheen. 5.2ft–5.6ft: Black, wet, dense, Clayey SILT, no odor/sheen. 6.2ft–6.7ft: Gray, dry, dense, SAND AND GRAVEL, no odor/sheen. 6.7ft–8.6ft: Gray to black, moist, dense, Clayey SILT, some (–) Sand AND Gravel, no odor/sheen.	0–0.5ft: SW 0.5ft–0.85ft: GW 0.85ft–3.2ft: ML-CL 3.2ft–4.1ft: SW 5ft–5.2ft: SM 5.2ft–6.2ft: ML-CL 6.2ft–6.7ft: GW/SW 6.7ft–8.6ft: ML-CL	0	PL-C-3W-20240508-0.85-3.2 PL-C-3S-20240508-6.1-6.7 PL-C-3S-20240508-6.1-8.6

Appendix B-2
Soil Borings

Station	x coordinate	y coordinate	Start Depth (ft)	End Depth (ft)	Penetration	Recovery (ft)	Description	ASTM Description	PID	Samples
PL-C-4	590546.6	902171.1	0	10	10	0ft–5ft: 2.9ft 5ft–10ft: 4.8	0ft–0.75ft: Grey, dry, dense fm SAND AND GRAVEL, little Silt. 075ft–2.9ft: Grey, dense, moist to wet, Clayey SILT, little Sand, trace organics. 5ft–9.8: Grey to brown, moist to wet, dense, Clayey SILTY, some fmc Sand.	0ft–0.75ft: SW/GW 0.75ft–2.9ft: ML-CL 5ft–9.8ft: ML-CL	0	PL-C-4W-20240508-0.75-3.2 PL-C-4S-20240508-6.0-6.6 PL-C-4S-20240508-6.0-9.8
PL-C-5	590274.9	902260.9	0	10	10	0ft–5ft: 5ft 5ft–10ft: 5ft	0ft–0.75ft: Grey to brown, dry, dense, fm SAND AND GRAVEL, some Silt, no odor/sheen. 0.75ft–5ft: Grey to white, wet, dense, Clayey SILT, little (–) Sand, no odor/sheen. 5ft–7.8ft: SAA 7.8ft–10ft: Black, moist, dense, f SAND, and Silt & Clay, some mc Sand, little Gravel, no odor/sheen.	0ft–0.75ft: SM/GM 0.75ft–5ft: ML-CL 5ft–7.8ft: ML-CL 7.8ft–10ft: SM	0	PL-C-5W-20240508-0.75-7.8 PL-C-5S-20240508-8.8-9.4 PL-C-5S-20240508-8.8-10 + MS/MSD
PL-EXT-1	590401.8	901970.7	0	10	10	0ft–5ft: 2.6ft 5ft–10ft:3.3ft	0ft–1.8ft: Moist, dense, black to grey, mfc SAND AND GRAVEL, some Silt, no odor/sheen. @2.4ft–2.5ft: powdered white rock, crushed by geoprobe. 1.8ft–2.6ft: Brown, moist, dense, Clayey SILT, some f Sand, no odor/sheen. 5ft–6.3ft: Grey to brown, wet to moist, mc SAND AND fm GRAVEL, some Silt, no odor/sheen. 6.3ft–8.3ft: Brown to grey, moist, dense, fmc GRAVEL, and fmc SAND, some Silt, no odor/sheen.	0ft–1.8ft: GM/SM 1.8ft–2.6ft: ML-CL 5ft–6.3ft: SM/GM 6.3ft–8.3ft: GM	0	none
PL-EXT-2	590468.4	901939.7	0	10	10	0ft–5ft: 2.9ft 5ft–10ft: 4.1ft	0ft–1.9ft: Brown, moist, dense, mfc SAND, some Gravel, little (+) Silt, no odor/sheen. 1.9ft–2.9ft: Brown to grey, moist, dense, Clayey SILT, some fm Sand, no odor/sheen. 5ft–7ft: Brown, wet, dense, mc SAND AND GRAVEL, some Silt & Clay, no odor/sheen. 7ft–9.1ft: Grey, moist, dense, mf SAND AND Clayey SILT, no odor/sheen.	0ft–1.9ft: SW 1.9ft–2.9ft ML-CL 5ft–7ft: SW/GW 7ft–9.1ft: SM/SC	0	none

Appendix B-2
Soil Borings

Station	x coordinate	y coordinate	Start Depth (ft)	End Depth (ft)	Penetration	Recovery (ft)	Description	ASTM Description	PID	Samples
PL-EXT-3	590186.3	902065.5	0	10	10	0ft–5ft: 4.4ft 5ft–10ft: 4.3ft	0ft–4.4ft: Grey to black, moist to dry, dense, mc GRAVEL AND mf SAND, some Silt, trace organics, no odor/sheen. 5ft–6.3ft: Wet, grey, loose, fm GRAVEL AND fm SAND, some Silt, no odor/sheen. 6.3ft–9.3ft: Brown to grey, moist, dense, f SAND AND Clayey SILT, little (–) m Sand, no odor/sheen.	0ft–4.4ft: GW/SW 5ft–6.3ft: GW/SW 6.3ft–9.3ft: SP/SM	0	none
PL-EXT-4	590103.3	902111.2	0	10	10	0ft–5ft: 3.7ft 5ft–10ft: 4.3ft	0ft–1.4ft: Grey, loose to dense, dry, fm GRAVEL AND mf SAND, some (+) Silt, no odor/sheen. 1.4ft–3.7ft: Grey, moist, dense, Clayey SILT, and Gravel, some (–) f Sand, no odor/sheen. 5ft–7ft: SAA 7ft–9.3ft: Grey, moist, dense, Clayey SILT, some Gravel AND Sand, no odor/sheen.	0ft–1.4ft: GM/SM 1.4ft–3.7ft: ML-CL 5ft–7ft: ML-CL 7ft–9.3ft: ML-CL	0	none
PL-EXT-5	590273.3	902311.9	0	10	10	0ft–5ft: 2.5ft 5ft–10ft: 3.7ft	0ft–1ft: Grey, loose, dry, f GRAVEL AND fmc SAND, some Silt, trace organics, no odor/sheen. 1ft–2.5ft: Brown, dense, moist, Silty SAND, and Gravel, some Clay, no odor/sheen. 5ft–6ft: SAA 6ft–8.7ft: Grey, moist, dense, Silty f SAND, some mc Gravel, petroleum odor, sheen present.	0ft–1ft: GM/SM 1ft–2.5ft: SM 5ft–6ft: SM 6ft–8.7ft: SM	0	none
PL-EXT-6	590548.6	902015.3	0	10	10	0ft–5ft: 1.9ft 5ft–10ft: 4.2ft	0ft–0.75ft: Black, dry, loose, fmc SAND AND GRAVEL, little Silt, no odor/sheen. 0.75ft–1.9ft: White to grey, dense, moist, Clayey SILT, some f Sand, no odor/sheen. 5ft–9.2ft: Grey to black, wet to moist, f SAND AND Clayey SILT, some c SAND, trace Gravel, no odor/sheen.	0ft–0.75ft: GW/SW 0.75ft–1.9ft: ML-CL 5ft–9.2ft: SM/SC	0	PL-EXT-6S-20240509-6.0-6.6 PL-EXT-6S-20240509-6.0-8.0
PL-EXT-7	590604.8	902130.9	0	10	10	0ft–5ft: 3.8ft 5ft–10ft: 4.9ft	0ft–1.6ft: Black to brown, moist, dense, fm SAND, some (+) Silt & Clay, little c Sand, no odor/sheen. 1.6ft–3.8ft: Black to grey, moist to wet, dense, Clayey SILT, little fmc Sand, no odor/sheen. 5ft–6ft: Brown, wet, loose, mf GRAVEL, and mf Sand, some (+) Silt, no odor/sheen. 6ft–9.9ft: Grey, dense, moist, fmc SAND AND Clayey SILT, trace Gravel, no odor/sheen.	0ft–1.6ft: SM/SC 1.6ft–3.8ft: ML-CL 5ft–6ft: GM 6ft–9.9ft: SM	0	PL-EXT-7S-20240509-7.0-7.6 PL-EXT-7S20240509-7.0-9.0

Appendix B-2
Soil Borings

Station	x coordinate	y coordinate	Start Depth (ft)	End Depth (ft)	Penetration	Recovery (ft)	Description	ASTM Description	PID	Samples
PL-EXT-8	590633.7	902200.8	0	10	10	0ft–5ft: 2.7ft 5ft–10ft: 5ft	0ft–1.9ft: Black to brown, dry to moist, dense, fm SAND, some (+) Silt & Clay, little c Sand, no odor/sheen. 1.9ft–2.7ft: Black, moist, dense, Clayey SILT, some f Sand, no odor/sheen. 5ft–10ft: Black, wet, dense, fm SAND AND SILT, some (–) c Sand AND Gravel, no odor/sheen.	0ft–1.9ft: SM/SC 1.9ft–2.7ft: ML-CL 5ft–10ft: SM	0	PL-EXT-8S-20240509-5.0-5.6 PL-EXT-8S-20240509-5.0-7.0

Appendix C
XRD Laboratory Report

Semi-Quantitative X-Ray Diffraction

Report Prepared for:	*Anchor QEA LLC* *1201 3rd Ave, Suite 2600, Seattle, Washington 98101, USA*
Project Number/ LIMS No.	*19597-09/MI4521-JUN24*
Sample Receipt:	*June 4, 2024*
Sample Analysis:	*July 10, 2024*
Reporting Date:	*July 10, 2024*

Instrument:	BRUKER AXS D8 Advance Diffractometer
Test Conditions:	Co radiation, 35 kV, 40 mA; Detector: LYNXEYE_XE_T Regular Scanning: Step: 0.02°, Step time:0.2s, 2θ range: 6-70°
Interpretations :	PDF2/PDF4 powder diffraction databases issued by the International Center for Diffraction Data (ICDD). Diffrac Eva software.
Detection Limit :	0.5-2%. Strongly dependent on crystallinity.

Contents:

1) Method Summary
2) Semi-Quantitative XRD Results
3) Chemical Balance(s)
4) XRD Pattern(s)

Kim Gibbs, H.B.Sc., P.Geo.
Senior Mineralogist

Huyun Zhou, Ph.D., P.Geo.
Senior Mineralogist

ACCREDITATION: SGS Natural Resources Lakefield is accredited to the requirements of ISO/IEC 17025 for specific tests as listed on our scope of accreditation, including geochemical, mineralogical and trade mineral tests. To view a list of the accredited methods, please visit the following website and search SGS Canada Inc. - Minerals: https://www.scc.ca/en/search/palcan.

Method Summary

The Semi-Quantitative Mineral Identification by XRD (ME-LR-MIN-MET-MN-D03) method used by SGS Natural Resources is accredited to the requirements of ISO/IEC 17025.

Mineral Identification and Interpretation:

Mineral identification and interpretation involve matching the diffraction pattern of a test sample material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) and released on software as a database of Powder Diffraction Files (PDF).

Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds. Mineral proportions are based on relative peak heights and may be strongly influenced by crystallinity, structural group or preferred orientations. Interpretations and relative proportions should be accompanied by supporting petrographic and geochemical data (Whole Rock Analysis, Inductively Coupled Plasma - Optical Emission Spectroscopy, etc.).

Semi-Quantitative Analysis:

The Semi-Quantitative analysis (RIR method) is performed based on each mineral's relative peak heights and of their respective I/Icor values, which are available from the PDF database. Mineral abundances for the bulk sample (in weight %) are generated by Bruker-EVA Software. These data are reconciled with a bulk chemistry (e.g. whole rock analysis including SiO_2, Al_2O_3, Na_2O, K_2O, CaO, MgO, Fe_2O_3, Cr_2O_3, MnO, TiO_2, P_2O_5, V_2O_5 or other chemical data). A chemical balance table shows the difference between the assay results and elemental concentrations determined by XRD.

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

Semi-Quantitative X-ray Diffraction Results

Mineral	PL-C-4W-20240508-0.75-3.2 (wt %)	PL-C-1W-20240508-0.75-4.1 (wt %)	PL-C-5W-20240508-0.75-7.8 (wt %)	PL-C-2W-20240508-1.7-7.4 (wt %)	PL-C-3W-20240508-0.85-3.2 (wt %)	FD-W-1 (wt %)
Gypsum	74.7	92.3	97.7	92.7	97.6	95.5
Quartz	9.0	1.2	1.2	3.4	0.3	3.2
Muscovite	2.3	0.8	1.1	1.5	1.4	1.3
Calcite	4.1	4.1	-	-	-	-
Clinochlore	1.4	0.9	-	1.5	-	-
Aragonite	2.5	0.4	-	0.7	-	-
Goethite	2.3	0.3	-	0.3	0.7	-
Montmorillonite	2.3	-	-	-	-	-
Magnetite	0.7	-	-	-	-	-
Cristobalite	0.6	-	-	-	-	-
TOTAL	100	100	100	100	100	100

Mineral	Composition
Gypsum	$CaSO_4 \cdot 2H_2O$
Quartz	SiO_2
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$
Calcite	$CaCO_3$
Clinochlore	$(Fe,Mg)_5Al(Si_3Al)O_{10}(OH)_8$
Aragonite	$CaCO_3$
Goethite	$\alpha FeO \cdot OH$
Montmorillonite	$(Na,Ca)_{0.3}(Al,Mg)_2Si_2O_{10}(OH)_2 \cdot nH_2O$
Magnetite	Fe_3O_4
Cristobalite	SiO_2

Chemical Balance

PL-C-4W-20240508-0.75-3.2

Name	Assay[1]	SQD[2]	Delta	Status
Calcium	18.2	20.1	-1.86	Both
Oxygen	-	54.4	-	SQD
Silicon	4.81	5.42	-0.61	Both
Iron	2.69	2.16	0.54	Both
Aluminum	0.70	0.76	-0.06	Both
Magnesium	0.24	0.28	-0.05	Both
Potassium	0.19	0.23	-0.03	Both
Phosphorus	0.16	-	-	Assay
Sodium	0.11	0.02	0.10	Both
Titanium	0.05	-	-	Assay
Manganese	0.02	-	-	Assay
Chromium	0.01	-	-	Assay
Hydrogen	-	1.91	-	SQD
Carbon	-	0.80	-	SQD
Sulfur	-	13.9	-	SQD

1. Values measured by chemical assay. Reported in weight percent.

2. Values calculated based on mineral/compound formulas and quantites identified by semi-quantitative XRD.

PL-C-1W-20240508-0.75-4.1

Name	Assay[1]	SQD[2]	Delta	Status
Calcium	22.5	23.3	-0.76	Both
Oxygen	-	55.2	-	SQD
Silicon	1.02	0.86	0.16	Both
Aluminum	0.29	0.27	0.02	Both
Iron	0.28	0.34	-0.06	Both
Magnesium	0.09	0.10	-0.01	Both
Potassium	0.08	0.08	0.00	Both
Titanium	0.02	-	-	Assay
Sodium	0.01	-	-	Assay
Hydrogen	-	2.18	-	SQD
Carbon	-	0.54	-	SQD
Sulfur	-	17.2	-	SQD

1. Values measured by chemical assay. Reported in weight percent.

2. Values calculated based on mineral/compound formulas and quantites identified by semi-quantitative XRD.

PL-C-5W-20240508-0.75-7.8

Name	Assay[1]	SQD[2]	Delta	Status
Calcium	22.6	22.7	-0.16	Both
Oxygen	-	55.6	-	SQD
Silicon	0.92	0.82	0.10	Both
Aluminum	0.17	0.16	0.01	Both
Iron	0.09	0.04	0.05	Both
Potassium	0.07	0.10	-0.03	Both
Magnesium	0.06	0.01	0.05	Both
Sodium	0.02	0.00	0.02	Both
Titanium	0.01	0.01	0.01	Both
Hydrogen	-	2.29	-	SQD
Sulfur	-	18.2	-	SQD

1. Values measured by chemical assay. Reported in weight percent.

2. Values calculated based on mineral/compound formulas and quantites identified by semi-quantitative XRD.

Chemical Balance

PL-C-2W-20240508-1.7-7.4

Name	Assay[1]	SQD[2]	Delta	Status
Calcium	21.7	21.8	-0.18	Both
Oxygen	-	55.3	-	SQD
Silicon	2.04	2.08	-0.04	Both
Aluminum	0.49	0.48	0.01	Both
Iron	0.41	0.43	-0.01	Both
Potassium	0.16	0.15	0.01	Both
Magnesium	0.16	0.18	-0.02	Both
Sodium	0.06	-	-	Assay
Titanium	0.03	-	-	Assay
Hydrogen	-	2.20	-	SQD
Carbon	-	0.08	-	SQD
Sulfur	-	17.3	-	SQD

1. Values measured by chemical assay. Reported in weight percent.

2. Values calculated based on mineral/compound formulas and quantites identified by semi-quantitative XRD.

PL-C-3W-20240508-0.85-3.2

Name	Assay[1]	SQD[2]	Delta	Status
Calcium	22.4	22.7	-0.29	Both
Oxygen	-	55.5	-	SQD
Silicon	0.51	0.47	0.04	Both
Iron	0.31	0.46	-0.15	Both
Aluminum	0.11	0.20	-0.10	Both
Potassium	0.06	0.12	-0.07	Both
Magnesium	0.02	0.02	0.01	Both
Sodium	0.01	0.00	0.01	Both
Hydrogen	-	2.30	-	SQD
Sulfur	-	18.2	-	SQD
Titanium	-	0.01	-	SQD

1. Values measured by chemical assay. Reported in weight percent.

2. Values calculated based on mineral/compound formulas and quantites identified by semi-quantitative XRD.

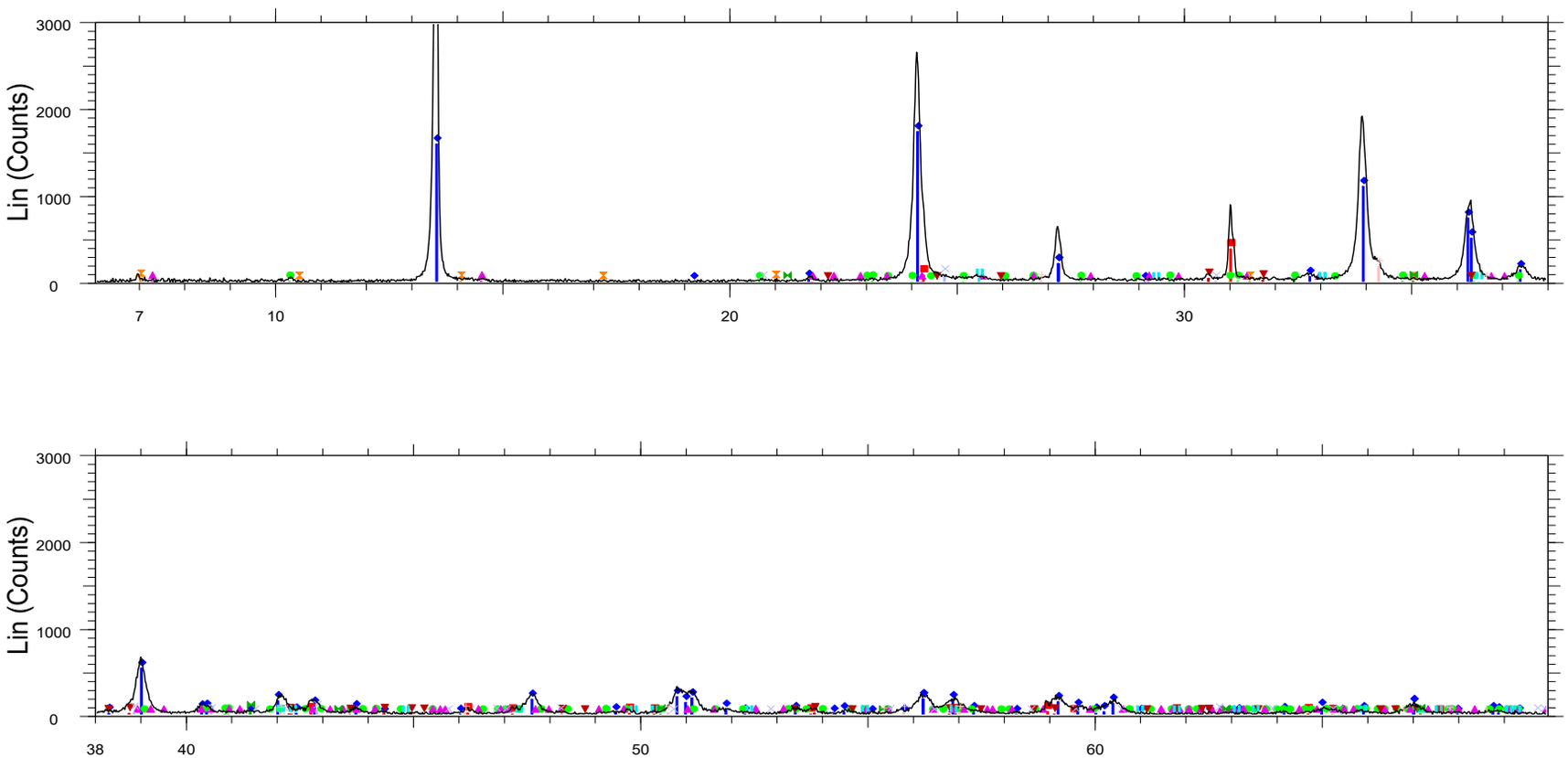
FD-W-1

Name	Assay[1]	SQD[2]	Delta	Status
Calcium	21.9	22.2	-0.36	Both
Oxygen	-	55.6	-	SQD
Silicon	1.84	1.76	0.08	Both
Aluminum	0.33	0.27	0.06	Both
Magnesium	0.18	-	-	Assay
Iron	0.17	-	-	Assay
Potassium	0.13	0.13	0.00	Both
Sodium	0.04	-	-	Assay
Titanium	0.02	-	-	Assay
Hydrogen	-	2.24	-	SQD
Sulfur	-	17.8	-	SQD

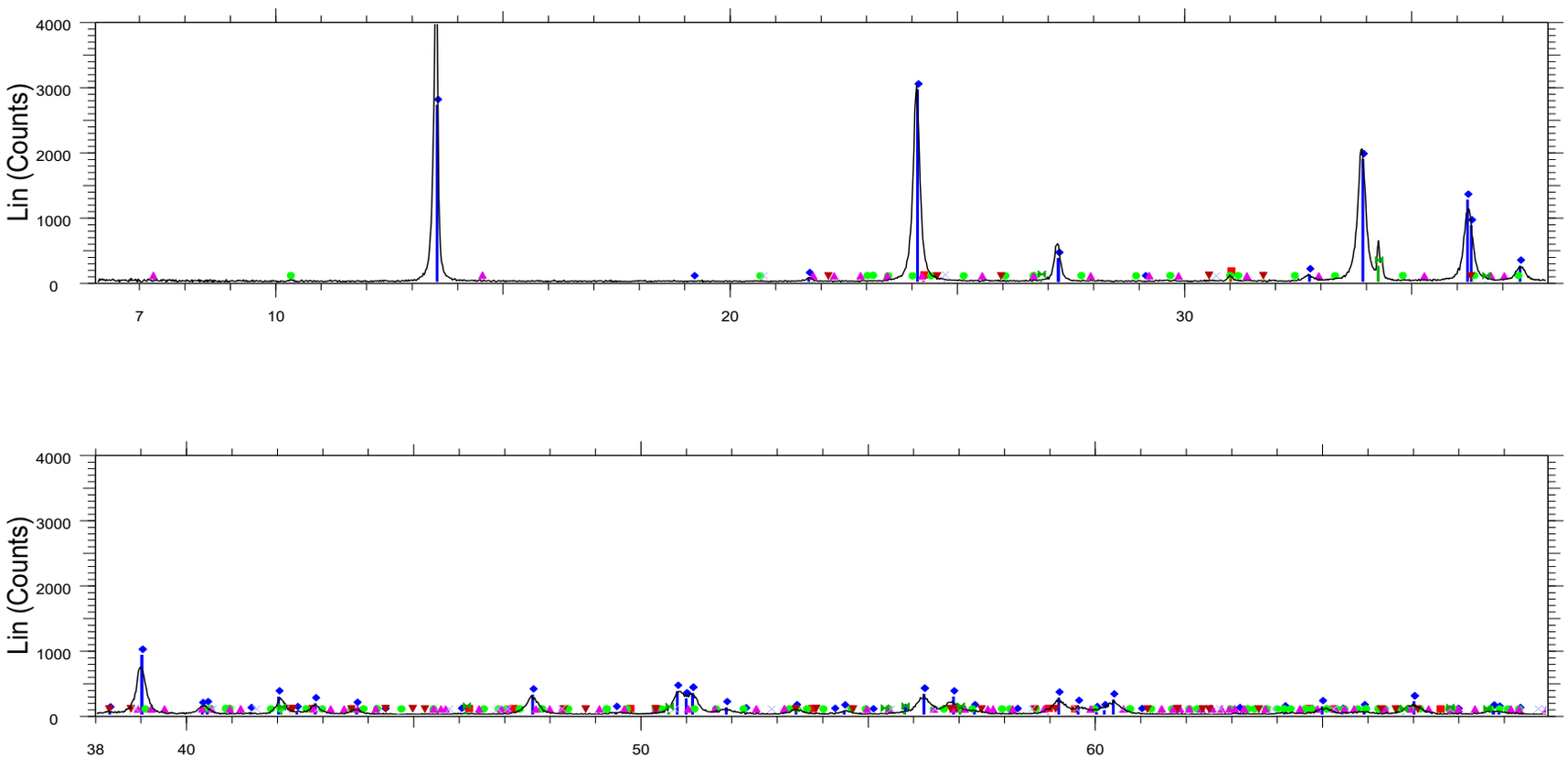
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2. Values calculated based on mineral/compound formulas and quantites identified by semi-quantitative XRD.

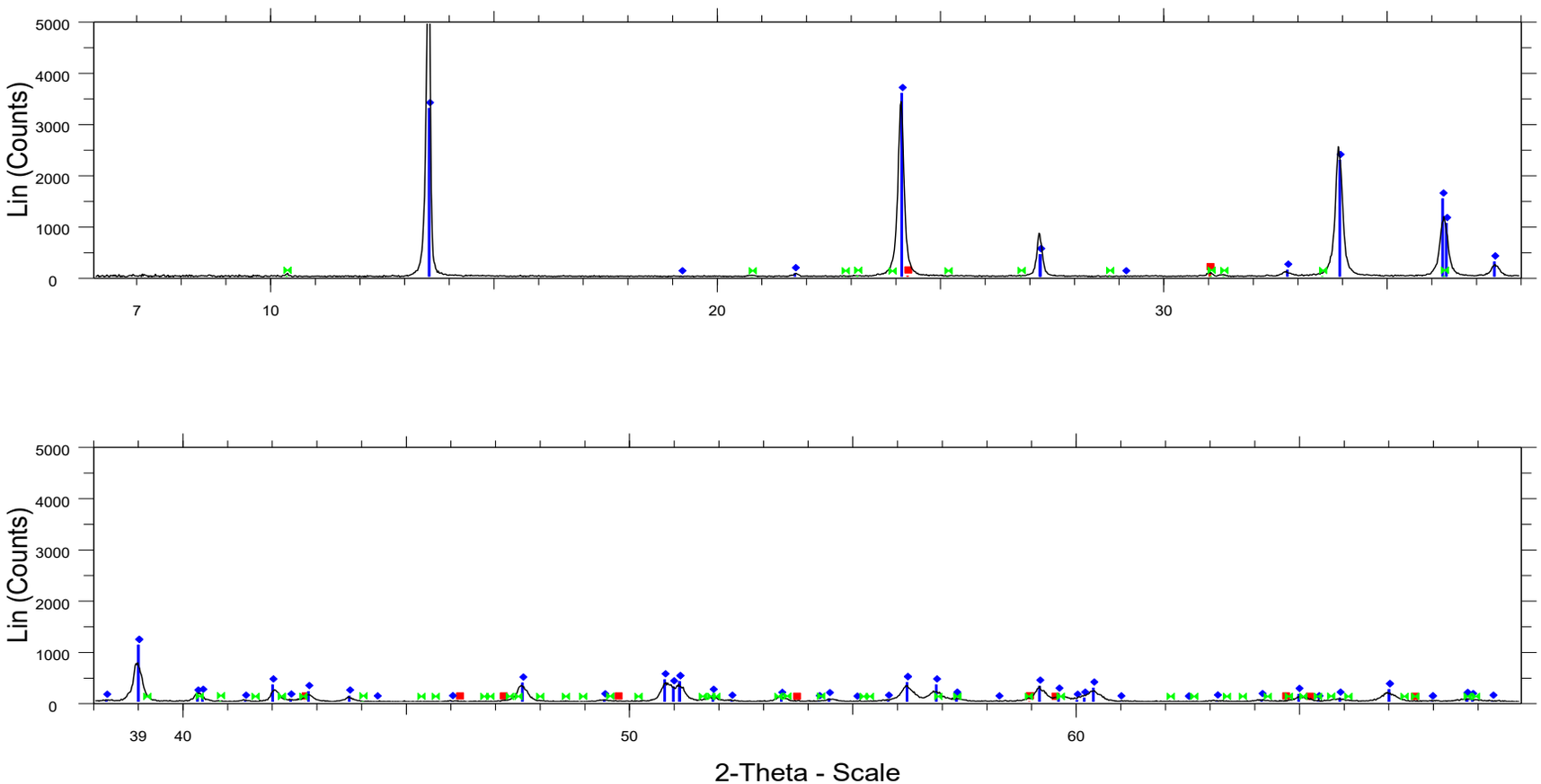
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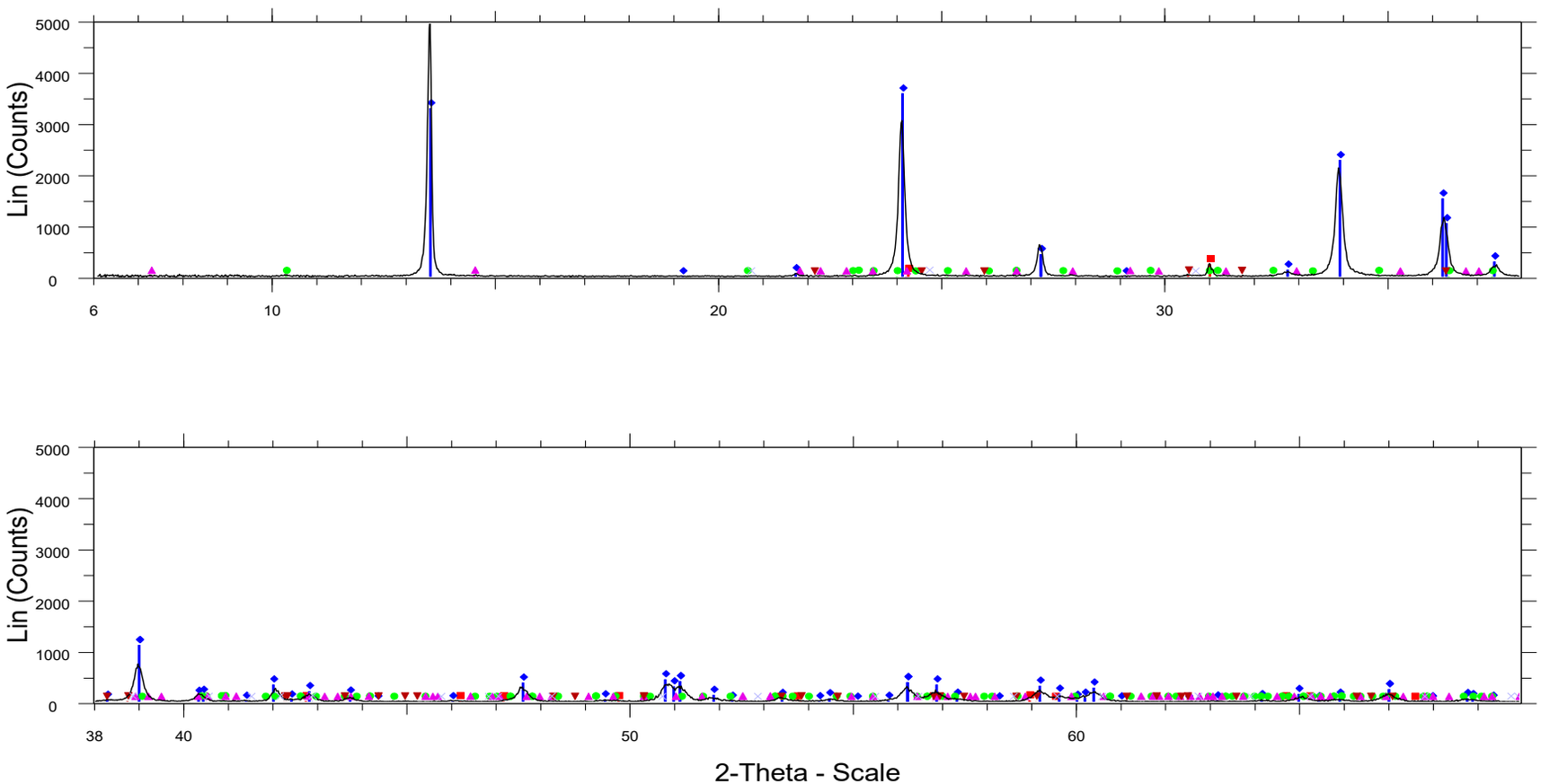
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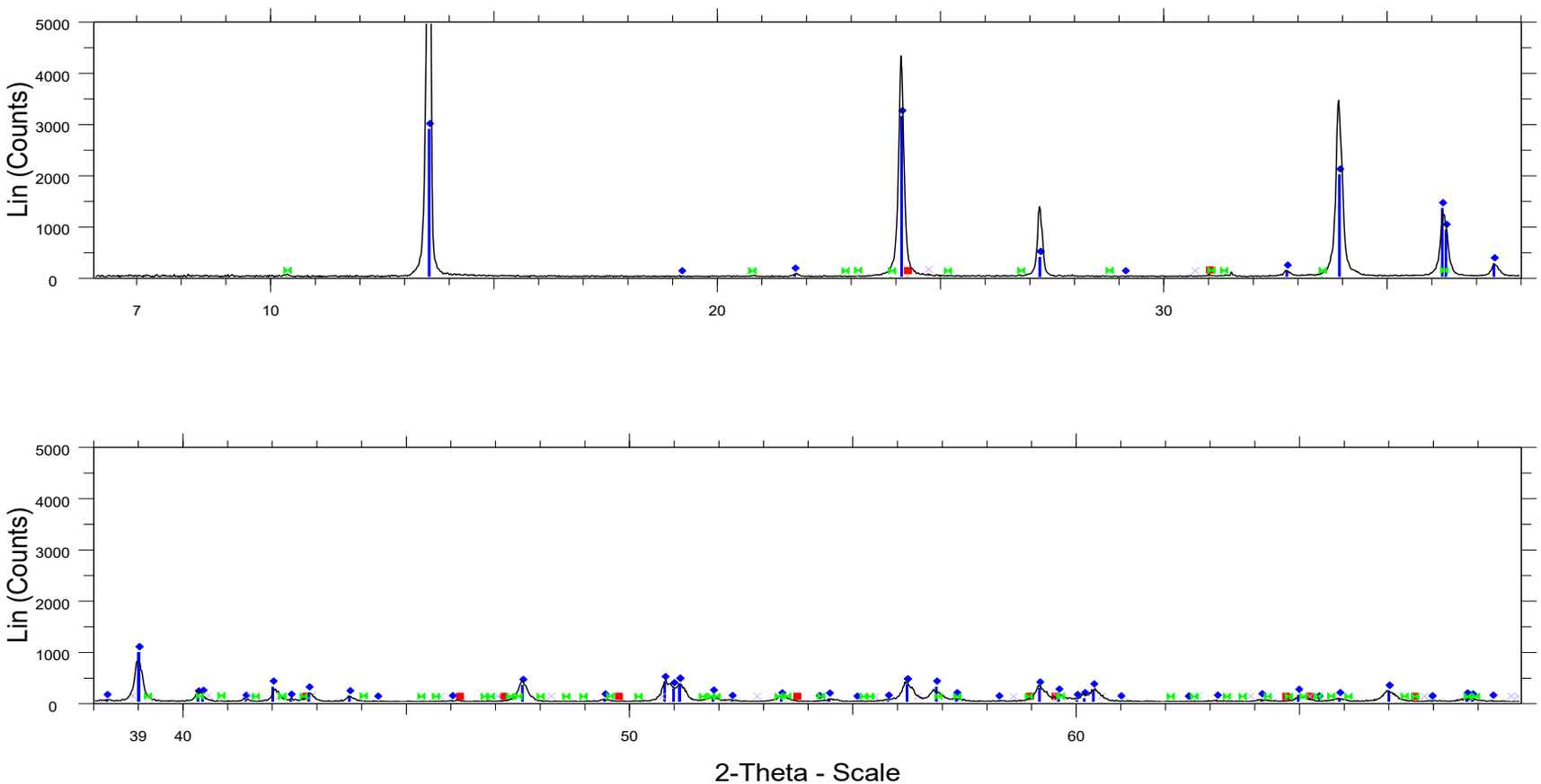
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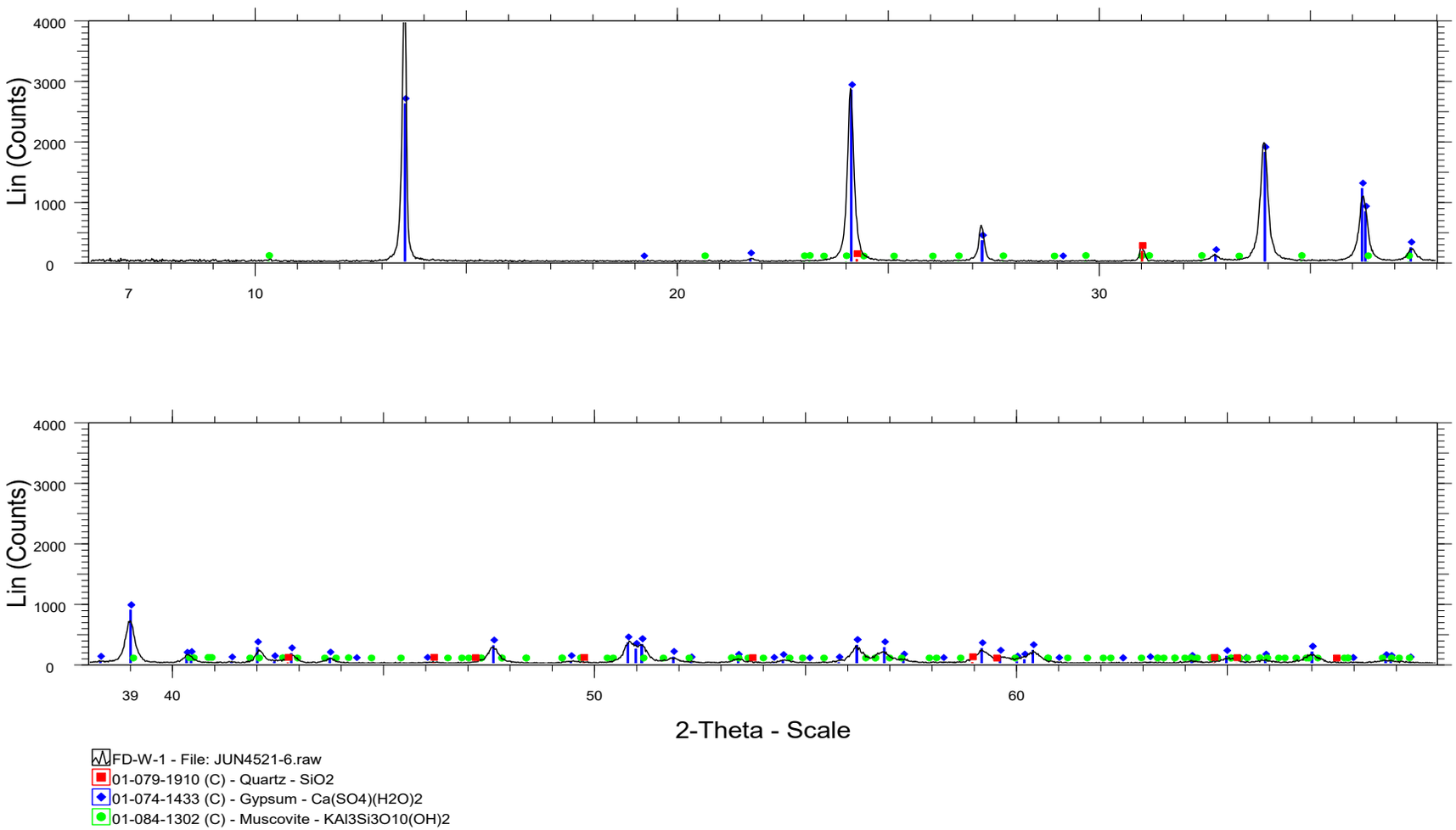
PL-C-2W-20240508-1.7-7.4



PL-C-3W-20240508-0.85-3.2



FD-W-1


Lin (Counts)
4000
3000
2000
1000
0
7
10
20
30
39
40
50
60
2-Theta - Scale
FD-W-1 - File: JUN4521-6.raw
01-079-1910 (C) - Quartz - SiO2
01-074-1433 (C) - Gypsum - Ca(SO4)(H2O)2
01-084-1302 (C) - Muscovite - KAl3Si3O10(OH)2

Appendix D
DUSR and Analytical Laboratory Reports

1201 3rd Ave Suite 2600
Seattle, Washington 98101
206.287.9130

ANCHOR QEA

Data Usability Summary Report

September 23, 2024

Project:	Nepera Harriman Site Remediation
Project Number:	243099-01.01

Introduction

This Data Usability Summary Report (DUSR) summarizes the validation results of laboratory data for 21 soil samples, 2 field duplicates and 1 equipment blank collected in May 2024 by Anchor QEA. Data were validated by Anchor QEA on behalf of Warner-Lambert Company, LLC and Nepera, Inc.

Laboratory results were reviewed using the following guidelines, as applicable to each method:

- *Quality Assurance Project Plan* (Brown and Caldwell and Anchor QEA 2023)
- *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods* (USEPA 1986)
- *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA 2020a)
- *National Functional Guidelines for Inorganic Superfund Data Review* (USEPA 2020b)
- *Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds* (USEPA 2014)
- *Region 2 Standard Operating Procedure for Validating Semivolatile Organic Compounds* (USEPA 2010)
- *Region 2 Standard Operating Procedure for ICP-MS Data Validation* (USEPA 2016a)
- *Region 2 Standard Operating Procedure for Mercury and Cyanide Data Validation*, (USEPA 2016b)

Data Usability Assessment

Analytical data reported were validated following Stage 2A criteria (USEPA 2009). Quality control (QC) results were evaluated using laboratory control limits to assess data quality. Unless noted in this report, laboratory results for the samples and analyses listed in Table 1 were within QC criteria. Samples were analyzed by Eurofins Environment Testing (EET) in Edison, New Jersey. Select analyses were subcontracted to EET in Burlington, Vermont. Samples were analyzed for the following parameters:

- Semivolatile organic compounds (SVOCs) by U.S. Environmental Protection Agency (USEPA) method 8270E
- Mercury (Hg) by USEPA method 7470A and 7471B
- Volatile Organic Compounds (VOCs) by USEPA method 8260D
- Metals by USEPA method 6020B
- Herbicides by USEPA method 8151A
- Pesticides by USEPA method 8081B

- Total Organic Carbon (TOC) by Lloyd Kahn and USEPA method 5310B
- Grain Size by ASTM International (ASTM) method D422
- Plasticity Index of Soils by ASTM method D4318
- Specific Gravity by ASTM method D854

Sample IDs, matrices, analyses, and EET sample delivery groups (SDGs) reviewed in this report are summarized in Table 1.

Data were evaluated based on the following parameters:

- Sample receipt
- Data completeness
- Sample preservation and holding times
- Method blanks
- Labeled compounds and surrogate spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD)
- Matrix spike (MS)/matrix spike duplicates (MSDs)
- Laboratory duplicates
- Equipment rinsate blanks
- Field duplicates
- Method reporting limits
- Moisture content

QC deficiencies in the analytical data are described in the following sections and detailed further in the validation reports. Table 2 summarizes the field duplicate results. Validation qualifiers applied to the data are summarized in Table 3.

Sample Receipt

The chain-of-custody (COC) forms were signed by the EET laboratories at the time of sample receipt. Several samples were submitted for analysis while not present on COC. Revised COCs were submitted to the laboratory to include the unlisted samples. Samples were received within the recommended temperature range and in good condition.

Data Completeness

The data packages are complete as defined under the requirements of the New York State Department of Environmental Conservation Analytical Services Protocol Category A deliverables.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequency. All method blanks were free of target analytes.

Labeled Compound and Surrogate Spike Recoveries

Surrogates and labeled compounds were added to all field and QC samples. Some QC sample surrogate or labeled compounds recovered outside of control limits; however, results are not qualified based on QC sample surrogate or labeled compound recoveries alone. No data were qualified for sample results below detection associated with surrogate or labeled compound recoveries above control limits, or if samples were diluted by five times or more. Surrogates and labeled compounds recovered within laboratory control limits for all applicable analyses, with the exception of Phenol-d5 recovered above the control limit in PL-C-1W-20240508-0.75-4.1. Since the other five surrogates recovered within control limits, no data was qualified.

Laboratory Control and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency. The LCS/LCSD recoveries and/or RPD values were within laboratory control limits.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency, or LCSDs were analyzed in place of laboratory duplicates. Because RPD results can become inflated as they approach method reporting limits (MRLs), results that were less than five times the MRL were evaluated by the difference between them, using ± twice the MRL for solid matrices. Laboratory duplicate difference values were within these control limits, and RPD values were within laboratory control limits with the exception of several lab duplicates for percent moisture in batch 974574. The RPDs for percent moisture in the laboratory duplicates associated with PL-C-3S-20240508-6.1-6.7, PL-C-4S-20240508-6.0-6.6, and PL-EXT-6S-20240509-6.0-6.6 exceeded laboratory control limits. Associated batch sample results for percent moisture are considered estimated and flagged “J”. The percent moisture results for PL-C-1S-20240508-9.7-10.7, PL-C-2S-20240508-8.3-8.9, and PL-EXT-7S-20240509-7-7.6 were not qualified since the duplicate had RPD recoveries within laboratory control limits.

Matrix Spike and Matrix Spike Duplicate Samples

MS/MSD samples were analyzed at the required frequency, or LCS/LCSDs were analyzed in place of MS/MSDs. MS/MSDs analyzed on non-project samples were not evaluated, and no data were

qualified when native sample concentrations were greater than four times the spike concentration. No data were qualified for sample results below detection associated with MS/MSD recoveries or RPD values above control limits. The MS/MSD recoveries and/or RPD values were within laboratory control limits except for mercury in the MS/MSD analyzed on sample PL-C-5S-20240508-8.8-9.4 in batch 974896, which recovered below the control limits. The associated batch sample results have been qualified "J" to indicate a potential low bias.

Field Quality Control Samples

Field QC samples included 1 equipment rinsate blank and 2 field duplicates.

Equipment Rinsate Blanks and Field Blank

One rinsate blank was collected in association with these sample sets and no target analytes were detected in the blanks, except for total organic carbon. All associated sample results were above 5x the rinsate blank detection; therefore, no data were qualified.

Field Duplicates

Field duplicates were collected and analyzed at the required frequency of one per 20 samples (5%) per matrix and analyses.

Two field duplicates were collected in association with these sample sets. Detected results are summarized in Table 2. Field duplicate RPD values were assessed by a 50% RPD value. Field duplicate RPDs were within control limits except for mercury in the soil duplicate pair associated with sample PL-C-2S-20240508-8.3-8.9 and percent moisture in the soil duplicate pair associated with sample PL-C-2W-20240508-1.7-7.4. The parent sample and duplicate results have been qualified "J" to indicate they are estimated.

It should be noted that upon initial review of the data that the mercury results for the field duplicates did not match with the native samples. The mercury and TOC data was reviewed, and it was determined that the field duplicates were mis-labeled. FD-S-1-20240508 was associated with PL-C-2W-20240508-1.7-7.4 and FD-W-1-20240508 was associated with PL-C-2S-20240508-8.3-8.9.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or, when diluted, the reporting limit reflects the dilution factor.

Moisture Content

The soil sample moisture content met validation criteria.

Overall Assessment

As determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, labeled compound, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted in previous sections. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD, with the exceptions noted in previous sections. Data are acceptable as reported and are acceptable as qualified. Table 3 summarizes the qualifiers applied to the sample results reviewed in this report.

Data validation completed by:

Lydia Greaves
Anchor QEA
Project Chemist/Managing Scientist

Data Qualifier Definitions

U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.

J Indicates an estimated value.

UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated

References

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Tables

Table 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses (Methods)
PL-C-4W-20240508-0.75-3.2	460-303610-1	460-303610-1	Soil	Moisture, Grain size, Specific Gravity, Mercury, herbicides, VOCs, Plasticity, Metals, Pesticides, SVOCs, TOC
PL-C-1W-20240508-0.75-4.1	460-303610-2	460-303610-1	Soil	Moisture, Grain size, Specific Gravity, Mercury, herbicides, VOCs, Plasticity, Metals, Pesticides, SVOCs, TOC
PL-C-5W-20240508-0.75-7.8	460-303610-3	460-303610-1	Soil	Moisture, Grain size, Specific Gravity, Mercury, herbicides, VOCs, Plasticity, Metals, Pesticides, SVOCs, TOC
PL-C-2W-20240508-1.7-7.4	460-303610-4	460-303610-1	Soil	Moisture, Grain size, Specific Gravity, Mercury, herbicides, VOCs, Plasticity, Metals, Pesticides, SVOCs, TOC
PL-C-3W-20240508-0.85-3.2	460-303610-5	460-303610-1	Soil	Moisture, Grain size, Specific Gravity, Mercury, herbicides, VOCs, Plasticity, Metals, Pesticides, SVOCs, TOC
PL-C-3S-20240508-6.1-6.7	460-303610-6	460-303610-1	Soil	Moisture, Mercury
PL-C-3S-20240508-6.1-8.6	460-303610-7	460-303610-1	Soil	Moisture, Grain size, Specific Gravity, Plasticity, TOC
PL-C-1S-20240508-9.7-10.7	460-303610-8	460-303610-1	Soil	Moisture, Mercury
PL-C-1S-20240508-9.7-14.2	460-303610-9	460-303610-1	Soil	Moisture, Grain size, Specific Gravity, Plasticity, TOC
PL-C-4S-20240508-6.0-6.6	460-303610-10	460-303610-1	Soil	Moisture, Mercury
PL-C-4S-20240508-6.0-9.8	460-303610-11	460-303610-1	Soil	Moisture, Grain size, Specific Gravity, Plasticity, TOC
PL-C-2S-20240508-8.3-8.9	460-303611-1	460-303611-1	Soil	Moisture, Mercury
PL-C-2S-20240508-8.3-9.4	460-303611-2	460-303611-1	Soil	Moisture, Grain size, Specific Gravity, Plasticity, TOC
PL-C-5S-20240508-8.8-9.4	460-303611-3	460-303611-1	Soil	Moisture, Mercury
PL-C-5S-20240508-8.8-10	460-303611-4	460-303611-1	Soil	Moisture, Grain size, Specific Gravity, Plasticity, TOC
PL-EXT-8S-20240509-5.0-5.6	460-303611-5	460-303611-1	Soil	Moisture, Mercury
PL-EXT-8S-20240509-5.0-7.0	460-303611-6	460-303611-1	Soil	Moisture, Grain size, Specific Gravity, Plasticity, TOC
PL-EXT-7S-20240509-7.0-7.6	460-303611-7	460-303611-1	Soil	Moisture, Mercury

Table 1

Sample IDs, SDGs, Matrices, and Analyses

PL-EXT-7S-20240509-7.0-9.0	460-303611-8	460-303611-1	Soil	Moisture, Grain size, Specific Gravity, Plasticity, TOC
PL-EXT-6S-20240509-6.0-6.6	460-303611-9	460-303611-1	Soil	Moisture, Mercury
PL-EXT-6S-20240509-6.0-8.0	460-303611-10	460-303611-1	Soil	Moisture, Grain size, Specific Gravity, Plasticity, TOC
FD-W-1-20240508	460-303611-11	460-303611-1	Soil	Moisture, TOC, Mercury
FD-S-1-20240508	460-303611-12	460-303611-1	Soil	Moisture, TOC, Mercury
EB-20240510	460-303765-1	460-303611-1	Water	TOC, Mercury

Table 2

Field Duplicate Summary

Analyte	PL-C-2S-20240508-8.3-8.9	FD-W-1-20240508	RPD	Difference	Difference CL
Mercury	1.7 mg/kg	31 mg/kg	179%	--	--
Moisture, percent	12.2 pct	9.4 pct	26%	--	--
Total solids	87.8 pct	90.6 pct	3%	--	--

Analyte	PL-C-2W-20240508-1.7-7.4	FD-S-1-20240508	RPD	Difference	Difference CL
Mercury	470 mg/kg	380 mg/kg	21%	--	--
Moisture, percent	5.6 pct	16.8 pct	100%	--	--
Total organic carbon	13000 mg/kg	14000 mg/kg	7%	--	--
Total solids	94.4 pct	83.2 pct	13%	--	--

Table 3

Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
FD-S-1-20240508	Conventionals	Moisture, percent	16.8%	16.8J%	LD RPD above CL; FD RPD above CL
FD-W-1-20240508	Conventionals	Moisture, percent	9.4%	9.4J%	LD RPD above CL
FD-W-1-20240508	Metals	Mercury	31mg/kg	31J mg/kg	FD RPD above CL
PL-C-1S-20240508-9.7-14.2	Conventionals	Moisture, percent	8.4%	8.4J%	LD RPD above CL
PL-C-1W-20240508-0.75-4.1	Conventionals	Moisture, percent	6.8%	6.8J%	LD RPD above CL
PL-C-2S-20240508-8.3-8.9	Metals	Mercury	1.7mg/kg	1.7J mg/kg	MS/MSD %R below CL; FD RPD above CL
PL-C-2S-20240508-8.3-9.4	Conventionals	Moisture, percent	8.3%	8.3J%	LD RPD above CL
PL-C-2W-20240508-1.7-7.4	Conventionals	Moisture, percent	5.6%	5.6J%	LD RPD above CL; FD RPD above CL
PL-C-3S-20240508-6.1-6.7	Conventionals	Moisture, percent	10.7%	10.7J%	LD RPD above CL
PL-C-3S-20240508-6.1-8.6	Conventionals	Moisture, percent	3.6%	3.6J%	LD RPD above CL
PL-C-3W-20240508-0.85-3.2	Conventionals	Moisture, percent	9.7%	9.7J%	LD RPD above CL
PL-C-4S-20240508-6.0-6.6	Conventionals	Moisture, percent	28.4%	28.4J%	LD RPD above CL
PL-C-4S-20240508-6.0-9.8	Conventionals	Moisture, percent	6.6%	6.6J%	LD RPD above CL
PL-C-4W-20240508-0.75-3.2	Conventionals	Moisture, percent	14.9%	14.9J%	LD RPD above CL
PL-C-5S-20240508-8.8-10	Conventionals	Moisture, percent	2.9%	2.9J%	LD RPD above CL
PL-C-5S-20240508-8.8-9.4	Conventionals	Moisture, percent	5.8%	5.8J%	LD RPD above CL
PL-C-5S-20240508-8.8-9.4	Metals	Mercury	0.33mg/kg	0.33J mg/kg	MS/MSD %R below CL
PL-C-5W-20240508-0.75-7.8	Conventionals	Moisture, percent	10.7%	10.7J%	LD RPD above CL
PL-EXT-6S-20240509-6.0-6.6	Conventionals	Moisture, percent	2.2%	2.2J%	LD RPD above CL
PL-EXT-6S-20240509-6.0-6.6	Metals	Mercury	210mg/kg	210J mg/kg	MS/MSD %R below CL
PL-EXT-6S-20240509-6.0-8.0	Conventionals	Moisture, percent	3.7%	3.7J%	LD RPD above CL
PL-EXT-7S-20240509-7.0-7.6	Metals	Mercury	4.8mg/kg	4.8J mg/kg	MS/MSD %R below CL
PL-EXT-7S-20240509-7.0-9.0	Conventionals	Moisture, percent	10.8%	10.8J%	LD RPD above CL
PL-EXT-8S-20240509-5.0-5.6	Conventionals	Moisture, percent	27.9%	27.9J%	LD RPD above CL
PL-EXT-8S-20240509-5.0-5.6	Metals	Mercury	0.72mg/kg	0.72J mg/kg	MS/MSD %R below CL
PL-EXT-8S-20240509-5.0-7.0	Conventionals	Moisture, percent	8.6%	8.6J%	LD RPD above CL

Attachment 1
Laboratory Data Packages

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Delaney Peterson
Anchor QEA LLC
1201 3rd Ave
Suite 2600
Seattle, Washington 98101

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JOB DESCRIPTION

Nepera

JOB NUMBER

460-303611-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Job Notes

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Jannel Franklin, Manager of Project Management Assistants
Jannel.Franklin@et.eurofinsus.com
(732)593-2551

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Definitions/Glossary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303611-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

CASE NARRATIVE

Client: Anchor QEA LLC

Project: Nepera

Report Number: 460-303611-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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

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

RECEIPT
The samples were received on 5/9/2024 8:00 PM and 5/10/2024 8:10 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.7º C, 1.9º C, 2.0º C, 2.1º C and 2.4º C.

Receipt Exceptions

The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): FD-W-1-20240508 (460-303611-11) and FD-S-2-20240508 (460-303611-12). Client provide a revised COC and per client request 5/16/24, proceed with analysis for Total mercury and also TOC.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): PL-C-5S-20240508-8.8-9.4 (460-303611-3) and PL-C-5S-20240508-8.8-10 (460-303611-4). #3 - Sample ID on the COC is PL-C-5S-20240508-8.8-9.4 but PL-C-5S-20240508-9.3-9.9 on the container; #4 - Sample ID on the COC is PL-C-5S-20240508-8.8-10 on the COC but PL-C-5S-20240508-9.3-9.9 on the containers.

Per client 5/16/24. sample IDs should be PL-C-5S-20240508-8.8-9.4 and PL-C-5S-20240508-8.8-10 as listed on COC.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. PL-C-5S-20240508-8.8-9.4 (460-303611-3), PL-C-5S-20240508-8.8-9.4 (460-303611-3[MS]) and PL-C-5S-20240508-8.8-9.4 (460-303611-3[MSD]) Containers for MS/MSD were received but is not indicated on the COC. Per client request 5/16/24 and revised COC, proceed with MS/MSD analysis.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

MERCURY
Sample EB-20240510 (460-303765-1) was analyzed for mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 05/16/2024.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

MERCURY - TOTAL
Samples PL-C-2S-20240508-8.3-8.9 (460-303611-1), PL-C-5S-20240508-8.8-9.4 (460-303611-3), PL-EXT-8S-20240509-5-5.6

(460-303611-5), PL-EXT-7S-20240509-7-7.6 (460-303611-7), PL-EXT-6S-20240509-6.6-6 (460-303611-9), FD-W-1-20240508 (460-303611-11) and FD-S-2-20240508 (460-303611-12) were analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 05/15/2024 and 05/20/2024.

Mercury failed the recovery criteria low for the MS of sample PL-C-5S-20240508-8.8-9.4MS (460-303611-3) in batch 460-974972.

Mercury failed the recovery criteria low for the MSD of sample PL-C-5S-20240508-8.8-9.4MSD (460-303611-3) in batch 460-974972.

Mercury failed the recovery criteria low for the MS of sample 460-304100-1 in batch 460-975844.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples PL-C-2S-20240508-8.3-8.9 (460-303611-1)[3X], PL-EXT-7S-20240509-7-7.6 (460-303611-7)[10X], PL-EXT-6S-20240509-6.6-6 (460-303611-9)[1200X], FD-W-1-20240508 (460-303611-11)[60X] and FD-S-2-20240508 (460-303611-12)[400X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

D422 GRAIN SIZE

Samples PL-C-2S-20240508-8.3-9.4 (460-303611-2), PL-C-5S-20240508-8.8-10 (460-303611-4), PL-EXT-8S-20240509-5-7 (460-303611-6), PL-EXT-7S-20240509-7-9 (460-303611-8) and PL-EXT-6S-20240509-6-8 (460-303611-10) were analyzed for D422 grain size in accordance with D422 grain size. The samples were analyzed on 05/23/2024.

No difficulties were encountered during the D422 grain size analysis.

All quality control parameters were within the acceptance limits.

LLOYD KAHN METHOD (TOTAL ORGANIC CARBON)

Samples PL-C-2S-20240508-8.3-9.4 (460-303611-2), PL-C-5S-20240508-8.8-10 (460-303611-4), PL-EXT-8S-20240509-5-7 (460-303611-6), PL-EXT-7S-20240509-7-9 (460-303611-8), PL-EXT-6S-20240509-6-8 (460-303611-10), FD-W-1-20240508 (460-303611-11) and FD-S-2-20240508 (460-303611-12) were analyzed for Lloyd Kahn Method (total organic carbon) in accordance with Lloyd Kahn Method. The samples were analyzed on 05/16/2024 and 05/20/2024.

No difficulties were encountered during the TOC analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples PL-C-2S-20240508-8.3-8.9 (460-303611-1), PL-C-2S-20240508-8.3-9.4 (460-303611-2), PL-C-5S-20240508-8.8-9.4 (460-303611-3), PL-C-5S-20240508-8.8-10 (460-303611-4), PL-EXT-8S-20240509-5-5.6 (460-303611-5), PL-EXT-8S-20240509-5-7 (460-303611-6), PL-EXT-7S-20240509-7-7.6 (460-303611-7), PL-EXT-7S-20240509-7-9 (460-303611-8), PL-EXT-6S-20240509-6.6-6 (460-303611-9), PL-EXT-6S-20240509-6-8 (460-303611-10), FD-W-1-20240508 (460-303611-11) and FD-S-2-20240508 (460-303611-12) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 05/13/2024 and 05/19/2024.

Percent Moisture exceeded the RPD limit for the duplicate of sample PL-EXT-6S-20240509-6.6-6DU (460-303611-9). Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON/TOTAL INORGANIC CARBON

Sample EB-20240510 (460-303765-1) was analyzed for total organic carbon/total inorganic carbon in accordance with SM 5310B. The samples were analyzed on 05/23/2024.

Job ID: 460-303611-1 (Continued) Eurofins Edison

Total Organic Carbon failed the recovery criteria high for the MSD of sample 460-303606-1 in batch 460-976572.

Refer to the QC report for details.

No other difficulties were encountered during the TOC/TIC analysis.

All other quality control parameters were within the acceptance limits.

LIQUID LIMIT, PLASTIC LIMIT, AND PLASTICITY INDEX OF SOILS
Samples PL-C-2S-20240508-8.3-9.4 (460-303611-2), PL-C-5S-20240508-8.8-10 (460-303611-4), PL-EXT-8S-20240509-5-7 (460-303611-6), PL-EXT-7S-20240509-7-9 (460-303611-8) and PL-EXT-6S-20240509-6-8 (460-303611-10) were analyzed for Liquid Limit, Plastic Limit, and Plasticity Index of Soils in accordance with ASTM Method D4318. The samples were analyzed on 05/23/2024.

The following sample is not amenable to Liquid Limits, Plastic Limits, and Plasticity Index determination due to the physical properties of the sample: PL-C-5S-20240508-8.8-10 (460-303611-4). Values of zero, zero, and NP have been reported respectively for each determination.

No other difficulties were encountered during the Liquid, Plastic Lim analysis.

All other quality control parameters were within the acceptance limits.

SPECIFIC GRAVITY
Samples PL-C-2S-20240508-8.3-9.4 (460-303611-2), PL-C-5S-20240508-8.8-10 (460-303611-4), PL-EXT-8S-20240509-5-7 (460-303611-6), PL-EXT-7S-20240509-7-9 (460-303611-8) and PL-EXT-6S-20240509-6-8 (460-303611-10) were analyzed for Specific Gravity in accordance with ASTM D854. The samples were analyzed on 05/23/2024.

No difficulties were encountered during the Specific Gravity analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303611-1

Client Sample ID: PL-C-2S-20240508-8.3-8.9 — Lab Sample ID: 460-303611-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.7		0.055	0.026	mg/Kg	3	☼	7471B	Total/NA

Client Sample ID: PL-C-2S-20240508-8.3-9.4 — Lab Sample ID: 460-303611-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	28000		110	56	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	40.7				%	1		D422	Total/NA
Sand	27.8				%	1		D422	Total/NA
Coarse Sand	3.0				%	1		D422	Total/NA
Medium Sand	5.8				%	1		D422	Total/NA
Fine Sand	19.0				%	1		D422	Total/NA
Silt	18.5				%	1		D422	Total/NA
Clay	13.0				%	1		D422	Total/NA
Liquid Limit	24				NONE	1		D4318	Total/NA
Plastic Limit	21				NONE	1		D4318	Total/NA
Plasticity Index	3				NONE	1		D4318	Total/NA
Specific Gravity	2.63				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.63				NONE	1		D854	Total/NA

Client Sample ID: PL-C-5S-20240508-8.8-9.4 — Lab Sample ID: 460-303611-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.33		0.017	0.0078	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: PL-C-5S-20240508-8.8-10 — Lab Sample ID: 460-303611-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	14000		100	53	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	52.8				%	1		D422	Total/NA
Sand	33.9				%	1		D422	Total/NA
Coarse Sand	9.1				%	1		D422	Total/NA
Medium Sand	12.2				%	1		D422	Total/NA
Fine Sand	12.6				%	1		D422	Total/NA
Silt	6.6				%	1		D422	Total/NA
Clay	6.7				%	1		D422	Total/NA
Liquid Limit	0				NONE	1		D4318	Total/NA
Plastic Limit	0				NONE	1		D4318	Total/NA
Plasticity Index	NP				NONE	1		D4318	Total/NA
Specific Gravity	2.69				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.69				NONE	1		D854	Total/NA

Client Sample ID: PL-EXT-8S-20240509-5-5.6 — Lab Sample ID: 460-303611-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.72		0.022	0.011	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: PL-EXT-8S-20240509-5-7 — Lab Sample ID: 460-303611-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	9700		110	56	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.8				%	1		D422	Total/NA
Sand	52.0				%	1		D422	Total/NA
Coarse Sand	2.9				%	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: PL-EXT-8S-20240509-5-7 (Continued) — Lab Sample ID: 460-303611-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Medium Sand	16.4				%	1		D422	Total/NA
Fine Sand	32.7				%	1		D422	Total/NA
Silt	24.2				%	1		D422	Total/NA
Clay	23.0				%	1		D422	Total/NA
Liquid Limit	31				NONE	1		D4318	Total/NA
Plastic Limit	22				NONE	1		D4318	Total/NA
Plasticity Index	9				NONE	1		D4318	Total/NA
Specific Gravity	2.64				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.64				NONE	1		D854	Total/NA

Client Sample ID: PL-EXT-7S-20240509-7-7.6 — Lab Sample ID: 460-303611-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	4.8		0.19	0.088	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: PL-EXT-7S-20240509-7-9 — Lab Sample ID: 460-303611-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	14000		110	57	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	4.2				%	1		D422	Total/NA
Sand	19.2				%	1		D422	Total/NA
Coarse Sand	0.7				%	1		D422	Total/NA
Medium Sand	1.7				%	1		D422	Total/NA
Fine Sand	16.8				%	1		D422	Total/NA
Silt	40.2				%	1		D422	Total/NA
Clay	36.4				%	1		D422	Total/NA
Liquid Limit	37				NONE	1		D4318	Total/NA
Plastic Limit	22				NONE	1		D4318	Total/NA
Plasticity Index	15				NONE	1		D4318	Total/NA
Specific Gravity	2.71				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.71				NONE	1		D854	Total/NA

Client Sample ID: PL-EXT-6S-20240509-6.6-6 — Lab Sample ID: 460-303611-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	210		20	9.2	mg/Kg	1200	☼	7471B	Total/NA

Client Sample ID: PL-EXT-6S-20240509-6-8 — Lab Sample ID: 460-303611-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	40000		100	53	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	39.5				%	1		D422	Total/NA
Sand	26.9				%	1		D422	Total/NA
Coarse Sand	3.2				%	1		D422	Total/NA
Medium Sand	6.8				%	1		D422	Total/NA
Fine Sand	16.9				%	1		D422	Total/NA
Silt	19.6				%	1		D422	Total/NA
Clay	14.0				%	1		D422	Total/NA
Liquid Limit	28				NONE	1		D4318	Total/NA
Plastic Limit	23				NONE	1		D4318	Total/NA
Plasticity Index	5				NONE	1		D4318	Total/NA
Specific Gravity	2.66				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.66				NONE	1		D854	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303611-1

Client Sample ID: FD-W-1-20240508 — Lab Sample ID: 460-303611-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	31		1.1	0.51	mg/Kg	60	☼	7471B	Total/NA
TOC Result 1	7100		110	56	mg/Kg	1	☼	Lloyd Kahn	Total/NA

Client Sample ID: FD-S-2-20240508 — Lab Sample ID: 460-303611-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	380		8.0	3.8	mg/Kg	400	☼	7471B	Total/NA
TOC Result 1	14000		120	62	mg/Kg	1	☼	Lloyd Kahn	Total/NA

Client Sample ID: EB-20240510 — Lab Sample ID: 460-303765-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	0.88	J	1.0	0.48	mg/L	1		5310B - 2014	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PL-C-2S-20240508-8.3-8.9

Lab Sample ID: 460-303611-1
Date Collected: 05/08/24 10:15
Matrix: Solid
Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.2		1.0	1.0	%			05/13/24 16:17	1
Percent Solids (EPA Moisture)	87.8		1.0	1.0	%			05/13/24 16:17	1

Client Sample ID: PL-C-2S-20240508-8.3-8.9

Lab Sample ID: 460-303611-1
Date Collected: 05/08/24 10:15
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 87.8

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.7		0.055	0.026	mg/Kg	☼	05/15/24 01:33	05/15/24 08:08	3

Client Sample ID: PL-C-2S-20240508-8.3-9.4

Lab Sample ID: 460-303611-2
Date Collected: 05/08/24 10:15
Matrix: Solid
Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.3		1.0	1.0	%			05/13/24 15:15	1
Percent Solids (EPA Moisture)	91.7		1.0	1.0	%			05/13/24 15:15	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	40.7				%			05/23/24 20:16	1
Sand	27.8				%			05/23/24 20:16	1
Coarse Sand	3.0				%			05/23/24 20:16	1
Medium Sand	5.8				%			05/23/24 20:16	1
Fine Sand	19.0				%			05/23/24 20:16	1
Silt	18.5				%			05/23/24 20:16	1
Clay	13.0				%			05/23/24 20:16	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	24				NONE			05/23/24 20:06	1
Plastic Limit	21				NONE			05/23/24 20:06	1
Plasticity Index	3				NONE			05/23/24 20:06	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	2.63				NONE			05/23/24 20:07	1
Specific Gravity at 20 deg Celsius	2.63				NONE			05/23/24 20:07	1

Client Sample ID: PL-C-2S-20240508-8.3-9.4

Lab Sample ID: 460-303611-2
Date Collected: 05/08/24 10:15
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 91.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	28000		110	56	mg/Kg	☼		05/16/24 11:42	1

Client Sample ID: PL-C-5S-20240508-8.8-9.4

Lab Sample ID: 460-303611-3

Date Collected: 05/08/24 11:20

Matrix: Solid

Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	5.8		1.0	1.0	%			05/13/24 16:18	1
Percent Solids (EPA Moisture)	94.2		1.0	1.0	%			05/13/24 16:18	1

Client Sample ID: PL-C-5S-20240508-8.8-9.4

Lab Sample ID: 460-303611-3

Date Collected: 05/08/24 11:20

Matrix: Solid

Date Received: 05/09/24 20:00

Percent Solids: 94.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.33		0.017	0.0078	mg/Kg	☼	05/15/24 01:33	05/15/24 06:13	1

Client Sample ID: PL-C-5S-20240508-8.8-10

Lab Sample ID: 460-303611-4

Date Collected: 05/08/24 11:20

Matrix: Solid

Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.9		1.0	1.0	%			05/13/24 15:15	1
Percent Solids (EPA Moisture)	97.1		1.0	1.0	%			05/13/24 15:15	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	52.8				%			05/23/24 20:24	1
Sand	33.9				%			05/23/24 20:24	1
Coarse Sand	9.1				%			05/23/24 20:24	1
Medium Sand	12.2				%			05/23/24 20:24	1
Fine Sand	12.6				%			05/23/24 20:24	1
Silt	6.6				%			05/23/24 20:24	1
Clay	6.7				%			05/23/24 20:24	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	0				NONE			05/23/24 20:06	1
Plastic Limit	0				NONE			05/23/24 20:06	1
Plasticity Index	NP				NONE			05/23/24 20:06	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	2.69				NONE			05/23/24 20:07	1
Specific Gravity at 20 deg Celsius	2.69				NONE			05/23/24 20:07	1

Client Sample ID: PL-C-5S-20240508-8.8-10

Lab Sample ID: 460-303611-4

Date Collected: 05/08/24 11:20

Matrix: Solid

Date Received: 05/09/24 20:00

Percent Solids: 97.1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	14000		100	53	mg/Kg	☼		05/16/24 12:27	1

Client Sample ID: PL-EXT-8S-20240509-5-5.6

Lab Sample ID: 460-303611-5

Date Collected: 05/09/24 08:20
Matrix: Solid
Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	27.9		1.0	1.0	%			05/13/24 16:17	1
Percent Solids (EPA Moisture)	72.1		1.0	1.0	%			05/13/24 16:17	1

Client Sample ID: PL-EXT-8S-20240509-5-5.6

Lab Sample ID: 460-303611-5

Date Collected: 05/09/24 08:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 72.1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.72		0.022	0.011	mg/Kg	☼	05/15/24 01:33	05/15/24 08:10	1

Client Sample ID: PL-EXT-8S-20240509-5-7

Lab Sample ID: 460-303611-6

Date Collected: 05/09/24 08:20
Matrix: Solid
Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.6		1.0	1.0	%			05/13/24 15:15	1
Percent Solids (EPA Moisture)	91.4		1.0	1.0	%			05/13/24 15:15	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.8				%			05/23/24 20:27	1
Sand	52.0				%			05/23/24 20:27	1
Coarse Sand	2.9				%			05/23/24 20:27	1
Medium Sand	16.4				%			05/23/24 20:27	1
Fine Sand	32.7				%			05/23/24 20:27	1
Silt	24.2				%			05/23/24 20:27	1
Clay	23.0				%			05/23/24 20:27	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	31				NONE			05/23/24 20:06	1
Plastic Limit	22				NONE			05/23/24 20:06	1
Plasticity Index	9				NONE			05/23/24 20:06	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	2.64				NONE			05/23/24 20:07	1
Specific Gravity at 20 deg Celsius	2.64				NONE			05/23/24 20:07	1

Client Sample ID: PL-EXT-8S-20240509-5-7

Lab Sample ID: 460-303611-6

Date Collected: 05/09/24 08:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 91.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	9700		110	56	mg/Kg	☼		05/16/24 12:34	1

Client Sample ID: PL-EXT-7S-20240509-7-7.6

Lab Sample ID: 460-303611-7

Date Collected: 05/09/24 08:50

Matrix: Solid

Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.3		1.0	1.0	%			05/13/24 16:17	1
Percent Solids (EPA Moisture)	87.7		1.0	1.0	%			05/13/24 16:17	1

Client Sample ID: PL-EXT-7S-20240509-7-7.6

Lab Sample ID: 460-303611-7

Date Collected: 05/09/24 08:50

Matrix: Solid

Date Received: 05/09/24 20:00

Percent Solids: 87.7

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.8		0.19	0.088	mg/Kg	☼	05/15/24 01:33	05/15/24 08:12	10

Client Sample ID: PL-EXT-7S-20240509-7-9

Lab Sample ID: 460-303611-8

Date Collected: 05/09/24 08:50

Matrix: Solid

Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.8		1.0	1.0	%			05/13/24 15:15	1
Percent Solids (EPA Moisture)	89.2		1.0	1.0	%			05/13/24 15:15	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	4.2				%			05/23/24 20:31	1
Sand	19.2				%			05/23/24 20:31	1
Coarse Sand	0.7				%			05/23/24 20:31	1
Medium Sand	1.7				%			05/23/24 20:31	1
Fine Sand	16.8				%			05/23/24 20:31	1
Silt	40.2				%			05/23/24 20:31	1
Clay	36.4				%			05/23/24 20:31	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	37				NONE			05/23/24 20:06	1
Plastic Limit	22				NONE			05/23/24 20:06	1
Plasticity Index	15				NONE			05/23/24 20:06	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	2.71				NONE			05/23/24 20:07	1
Specific Gravity at 20 deg Celsius	2.71				NONE			05/23/24 20:07	1

Client Sample ID: PL-EXT-7S-20240509-7-9

Lab Sample ID: 460-303611-8

Date Collected: 05/09/24 08:50

Matrix: Solid

Date Received: 05/09/24 20:00

Percent Solids: 89.2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	14000		110	57	mg/Kg	☼		05/16/24 12:42	1

Client Sample ID: PL-EXT-6S-20240509-6.6-6

Lab Sample ID: 460-303611-9
Date Collected: 05/09/24 09:25
Matrix: Solid
Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.2		1.0	1.0	%			05/13/24 16:18	1
Percent Solids (EPA Moisture)	97.8		1.0	1.0	%			05/13/24 16:18	1

Client Sample ID: PL-EXT-6S-20240509-6.6-6

Lab Sample ID: 460-303611-9
Date Collected: 05/09/24 09:25
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 97.8

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	210		20	9.2	mg/Kg	☼	05/15/24 01:33	05/15/24 08:14	1200

Client Sample ID: PL-EXT-6S-20240509-6-8

Lab Sample ID: 460-303611-10
Date Collected: 05/09/24 09:25
Matrix: Solid
Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.7		1.0	1.0	%			05/13/24 15:15	1
Percent Solids (EPA Moisture)	96.3		1.0	1.0	%			05/13/24 15:15	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	39.5				%			05/23/24 20:41	1
Sand	26.9				%			05/23/24 20:41	1
Coarse Sand	3.2				%			05/23/24 20:41	1
Medium Sand	6.8				%			05/23/24 20:41	1
Fine Sand	16.9				%			05/23/24 20:41	1
Silt	19.6				%			05/23/24 20:41	1
Clay	14.0				%			05/23/24 20:41	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	28				NONE			05/23/24 20:06	1
Plastic Limit	23				NONE			05/23/24 20:06	1
Plasticity Index	5				NONE			05/23/24 20:06	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	2.66				NONE			05/23/24 20:07	1
Specific Gravity at 20 deg Celsius	2.66				NONE			05/23/24 20:07	1

Client Sample ID: PL-EXT-6S-20240509-6-8

Lab Sample ID: 460-303611-10
Date Collected: 05/09/24 09:25
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 96.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	40000		100	53	mg/Kg	☼		05/16/24 13:35	1

Client Sample ID: FD-W-1-20240508
Lab Sample ID: 460-303611-11
Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.4		1.0	1.0	%			05/19/24 11:39	1
Percent Solids (EPA Moisture)	90.6		1.0	1.0	%			05/19/24 11:39	1

Client Sample ID: FD-W-1-20240508
Lab Sample ID: 460-303611-11
Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 90.6

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	31		1.1	0.51	mg/Kg	☼	05/20/24 00:57	05/20/24 07:04	60

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	7100		110	56	mg/Kg	☼		05/20/24 14:58	1

Client Sample ID: FD-S-2-20240508
Lab Sample ID: 460-303611-12
Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 20:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	16.8		1.0	1.0	%			05/19/24 11:39	1
Percent Solids (EPA Moisture)	83.2		1.0	1.0	%			05/19/24 11:39	1

Client Sample ID: FD-S-2-20240508
Lab Sample ID: 460-303611-12
Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 83.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	380		8.0	3.8	mg/Kg	☼	05/20/24 00:57	05/20/24 07:05	400

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	14000		120	62	mg/Kg	☼		05/20/24 15:42	1

Client Sample ID: EB-20240510
Lab Sample ID: 460-303765-1
Date Collected: 05/10/24 10:00
Matrix: Water
Date Received: 05/10/24 20:10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		05/16/24 13:29	05/16/24 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310B - 2014)	0.88	J	1.0	0.48	mg/L			05/23/24 16:47	1

Particle Size of Soils by ASTM D422

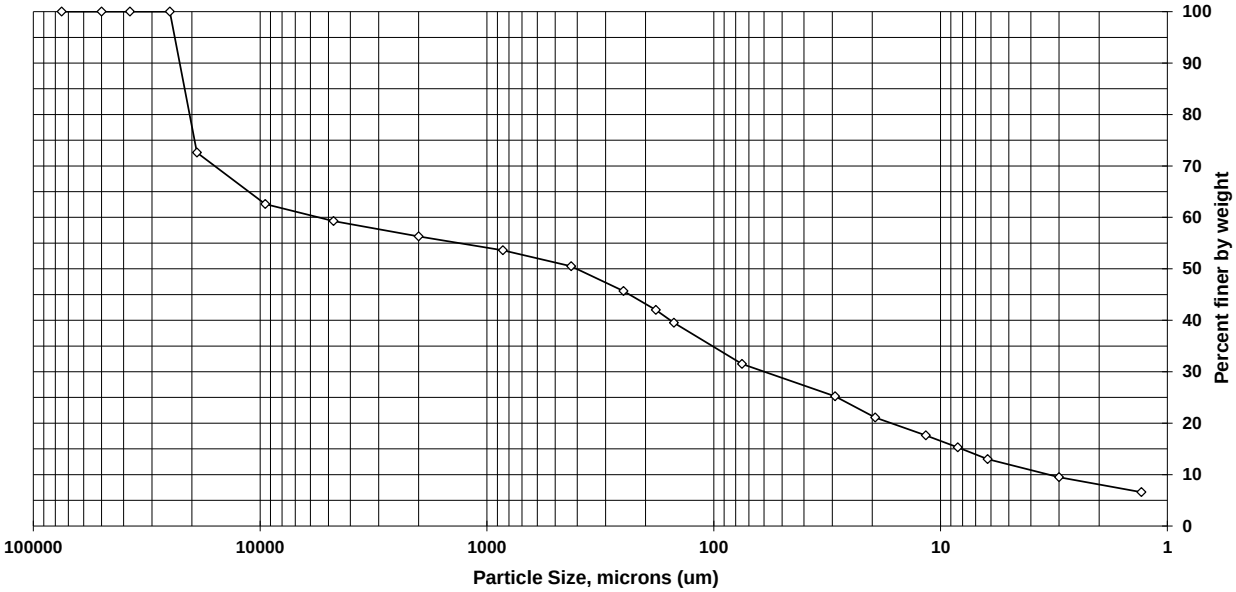
Sample ID: PL-C-2S-20240508-8.3
Lab ID: 460-303611-C-2

Percent Solids: 81.2%
Specific Gravity: 2.650

Date Received: 5/9/2024
Start Date: 5/23/2024
End Date: 6/3/2024

Shape (> #10): SUBROUNDED

Non-soil material: STICKS
Hardness (> #10): HARD



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	72.6	27.4
3/8 inch	9500	62.6	10.0
#4	4750	59.3	3.3
#10	2000	56.3	3.0
#20	850	53.6	2.7
#40	425	50.5	3.1
#60	250	45.7	4.8
#80	180	42.0	3.7
#100	150	39.5	2.5
#200	75	31.5	8.0
Hyd1	29.2	25.2	6.3
Hyd2	19.4	21.1	4.1
Hyd3	11.6	17.6	3.5
Hyd4	8.4	15.3	2.3
Hyd5	6.2	13.0	2.3
Hyd6	3	9.5	3.5
Hyd7	1.3	6.6	2.9

Soil Classification	Percent of sample
Gravel	40.7
Sand	27.8
Coarse Sand	3.0
Medium Sand	5.8
Fine Sand	19.0
Silt	18.5
Clay	13.0

Particle Size of Soils by ASTM D422

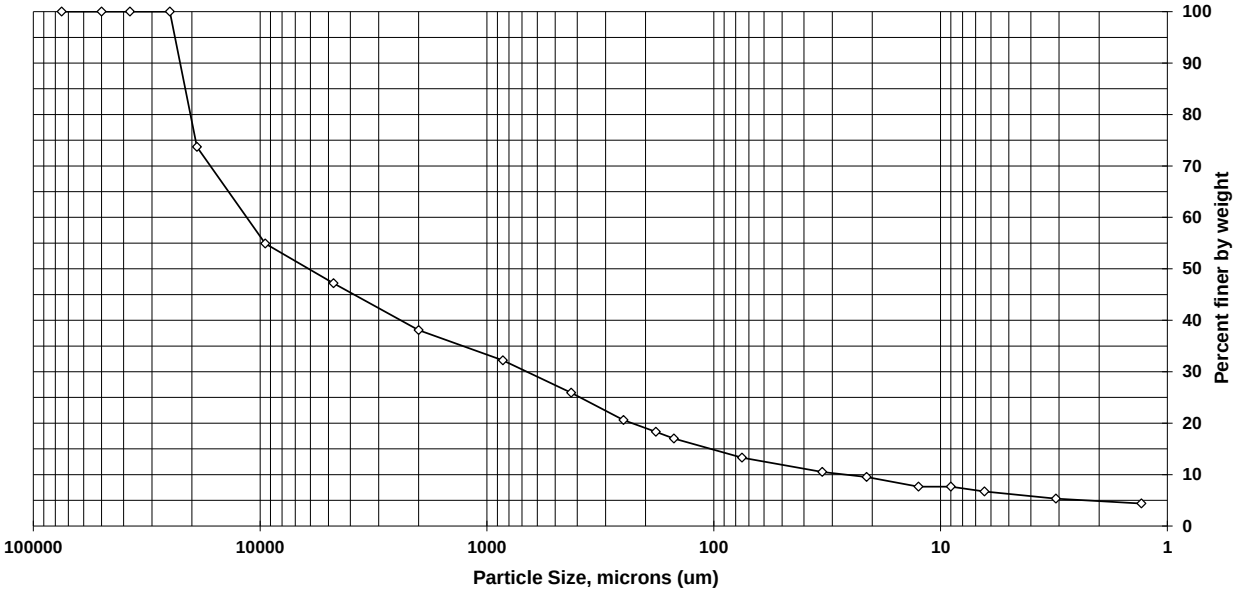
Sample ID: PL-C-5S-20240508-8.8
Lab ID: 460-303611-C-4

Percent Solids: 91.3%
Specific Gravity: 2.650

Date Received: 5/9/2024
Start Date: 5/23/2024
End Date: 6/3/2024

Shape (> #10): SUBROUNDED

Non-soil material: STICKS
Hardness (> #10): HARD



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	73.7	26.3
3/8 inch	9500	54.9	18.8
#4	4750	47.2	7.7
#10	2000	38.1	9.1
#20	850	32.2	5.9
#40	425	25.9	6.3
#60	250	20.6	5.3
#80	180	18.3	2.3
#100	150	17.0	1.3
#200	75	13.3	3.7
Hyd1	33.2	10.5	2.8
Hyd2	21.2	9.5	1.0
Hyd3	12.5	7.7	1.9
Hyd4	9	7.7	0.0
Hyd5	6.4	6.7	0.9
Hyd6	3.1	5.3	1.4
Hyd7	1.3	4.4	0.9

Soil Classification	Percent of sample
Gravel	52.8
Sand	33.9
Coarse Sand	9.1
Medium Sand	12.2
Fine Sand	12.6
Silt	6.6
Clay	6.7

Particle Size of Soils by ASTM D422

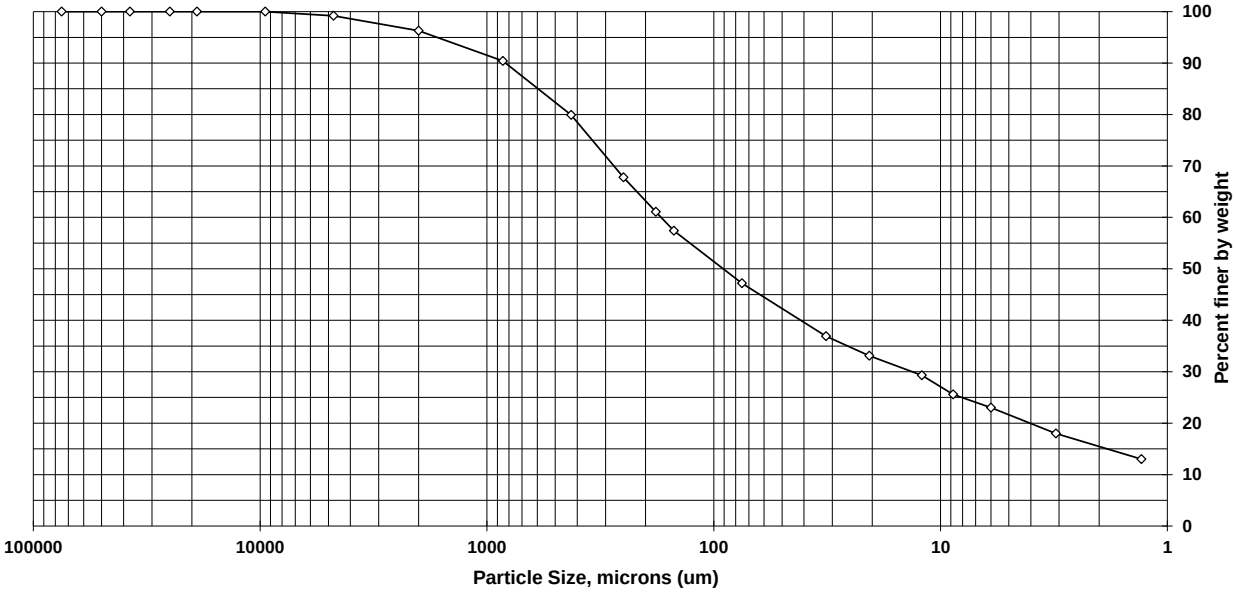
Sample ID: PL-EXT-8S-20240509-5
Lab ID: 460-303611-C-6

Percent Solids: 76.7%
Specific Gravity: 2.650

Date Received: 5/9/2024
Start Date: 5/23/2024
End Date: 6/3/2024

Shape (> #10): SUBROUNDED

Non-soil material: STICKS
Hardness (> #10): HARD



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.2	0.8
#10	2000	96.3	2.9
#20	850	90.4	5.9
#40	425	79.9	10.5
#60	250	67.8	12.1
#80	180	61.1	6.7
#100	150	57.4	3.7
#200	75	47.2	10.2
Hyd1	32	36.9	10.3
Hyd2	20.6	33.1	3.8
Hyd3	12.1	29.3	3.8
Hyd4	8.8	25.6	3.7
Hyd5	6	23.0	2.6
Hyd6	3.1	18.0	5.0
Hyd7	1.3	13.0	5.0

Soil Classification	Percent of sample
Gravel	0.8
Sand	52.0
Coarse Sand	2.9
Medium Sand	16.4
Fine Sand	32.7
Silt	24.2
Clay	23.0

Particle Size of Soils by ASTM D422

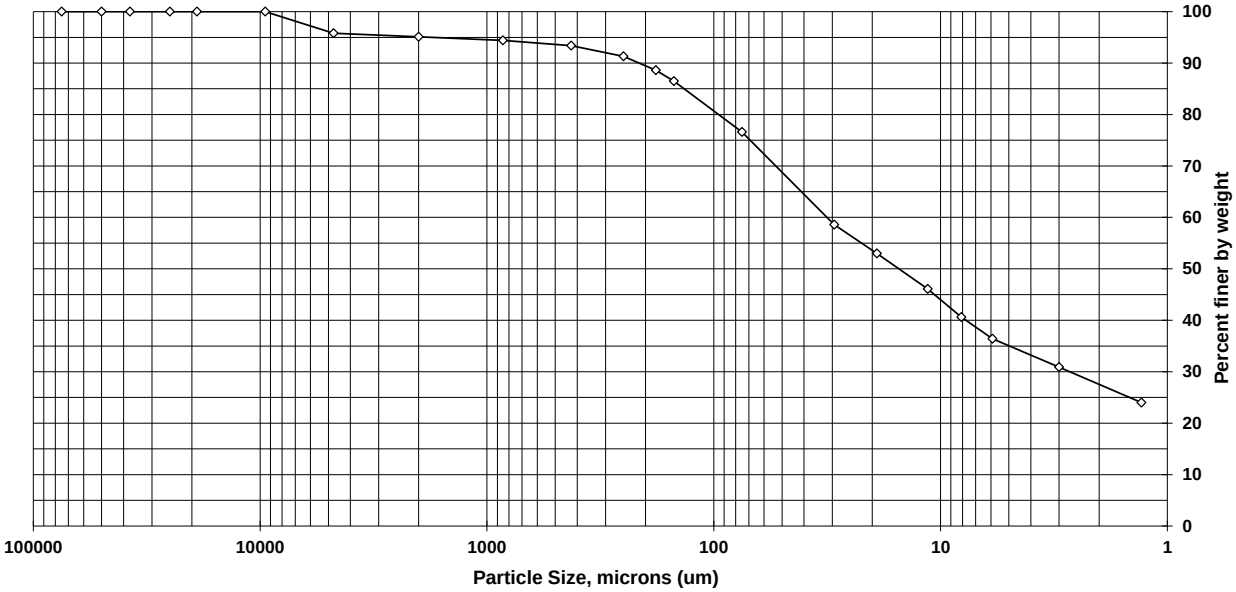
Sample ID: PL-EXT-7S-20240509-7
Lab ID: 460-303611-C-8

Percent Solids: 80.4%
Specific Gravity: 2.650

Date Received: 5/9/2024
Start Date: 5/23/2024
End Date: 6/3/2024

Shape (> #10): SUBROUNDED

Non-soil material: STICKS
Hardness (> #10): HARD



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	95.8	4.2
#10	2000	95.1	0.7
#20	850	94.4	0.7
#40	425	93.4	1.0
#60	250	91.3	2.1
#80	180	88.6	2.7
#100	150	86.5	2.1
#200	75	76.6	9.9
Hyd1	29.4	58.6	18.0
Hyd2	19.1	53.0	5.6
Hyd3	11.4	46.1	6.9
Hyd4	8.1	40.6	5.5
Hyd5	5.9	36.4	4.2
Hyd6	3	30.9	5.5
Hyd7	1.3	24.0	6.9

Soil Classification	Percent of sample
Gravel	4.2
Sand	19.2
Coarse Sand	0.7
Medium Sand	1.7
Fine Sand	16.8
Silt	40.2
Clay	36.4

Particle Size of Soils by ASTM D422

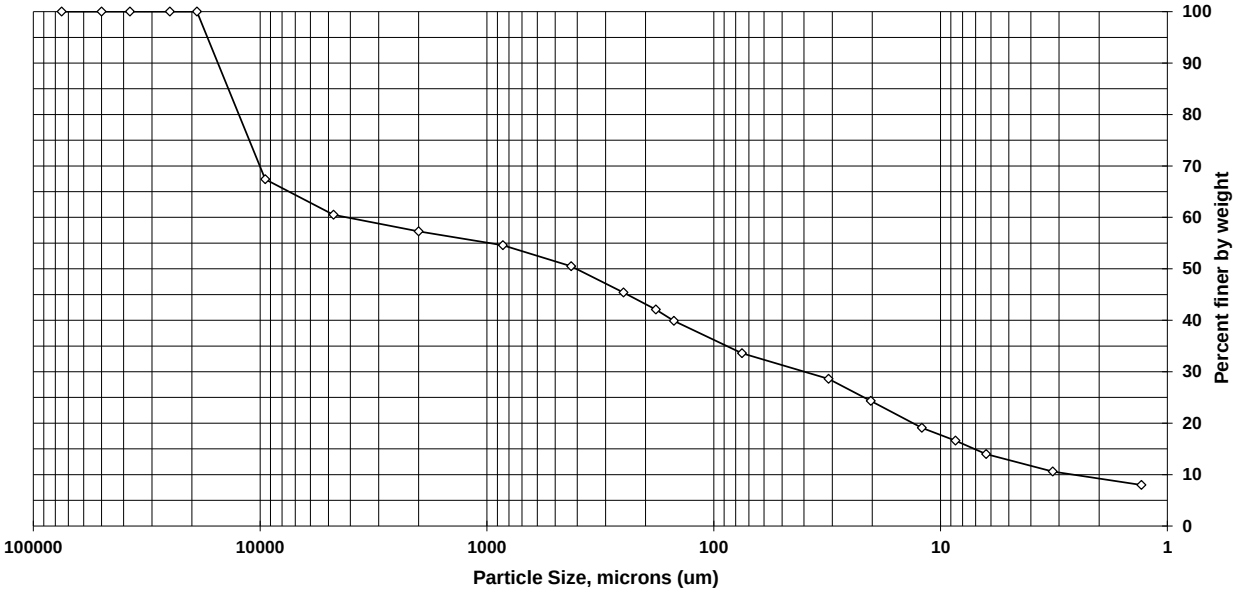
Sample ID: PL-EXT-6S-20240509-6
Lab ID: 460-303611-C-10

Percent Solids: 78.4%
Specific Gravity: 2.650

Date Received: 5/9/2024
Start Date: 5/23/2024
End Date: 6/3/2024

Shape (> #10): SUBROUNDED

Non-soil material: STICKS
Hardness (> #10): HARD



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	67.4	32.6
#4	4750	60.5	6.9
#10	2000	57.3	3.2
#20	850	54.6	2.7
#40	425	50.5	4.1
#60	250	45.4	5.1
#80	180	42.1	3.3
#100	150	39.9	2.2
#200	75	33.6	6.3
Hyd1	31.2	28.6	5.0
Hyd2	20.3	24.3	4.3
Hyd3	12.1	19.1	5.2
Hyd4	8.6	16.6	2.5
Hyd5	6.3	14.0	2.6
Hyd6	3.2	10.6	3.4
Hyd7	1.3	8.0	2.6

Soil Classification	Percent of sample
Gravel	39.5
Sand	26.9
Coarse Sand	3.2
Medium Sand	6.8
Fine Sand	16.9
Silt	19.6
Clay	14.0

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-2S-20240508-8.3
Lab Sample ID	460-303611-C-2

Date Received	5/9/2024
Start Date	05/23/2024 20:16
End Date	06/03/2024 14:32

Dry Weight Determination

Tin Weight	1.01	g
Wet Sample + Tin	22.25	g
Dry Sample + Tin	18.26	g
% Moisture	18.79	%

Non-soil material:	STICKS
Shape (> #10):	SUBROUNDED
Hardness (> #10):	HARD

Date/Time in oven	05/23/2024 20:18
Date/Time out of oven	05/24/2024 16:22

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.03	213.97	169.94
Sample Weight (Oven Dried)			138

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			60.4
Sample <#10			77.6
% Passing #10			45.7

Hydrometer Data

Serial Number	653423
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0050
High Temp (C)	23.0
Reading at High Temp	1.0035
Hydrometer Cal Slope	-0.00025
Hydrometer Cal Intercept	1.00925
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000	457.66	495.47	37.81 g	72.6	Gravel	
3/8 inch	9500	447.16	461.02	13.86 g	62.6	Gravel	
#4	4750	487.87	492.48	4.61 g	59.3	Gravel	
#10	2000	462.40	466.52	4.12 g	56.3	Sand	Coarse
#20	850	372.28	376.01	3.73 g	53.6	Sand	Medium
#40	425	353.87	358.16	4.29 g	50.5	Sand	Medium
#60	250	351.28	357.88	6.60 g	45.7	Sand	Fine
#80	180	318.40	323.51	5.11 g	42.0	Sand	Fine
#100	150	327.44	330.89	3.45 g	39.5	Sand	Fine
#200	75	313.25	324.35	11.10 g	31.5	Sand	Fine
				0.00 g	31.5		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	138

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0255	21.6	29.2	25.2	Silt	
5	5	1.0220	21.6	19.4	21.1	Silt	
15	15	1.0190	21.6	11.6	17.6	Silt	
30	30	1.0170	21.6	8.4	15.3	Silt	
60	58	1.0150	21.6	6.2	13	Silt	
250	256	1.0120	21.6	3	9.49	Clay	
1440	1440	1.0095	21.6	1.3	6.58	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-5S-20240508-8.8
Lab Sample ID	460-303611-C-4

Date Received	5/9/2024
Start Date	05/23/2024 20:24
End Date	06/03/2024 14:42

Dry Weight Determination

Tin Weight	1.01	g
Wet Sample + Tin	34.00	g
Dry Sample + Tin	31.14	g
% Moisture	8.67	%

Non-soil material:	STICKS
Shape (> #10):	SUBROUNDED
Hardness (> #10):	HARD

Date/Time in oven	05/23/2024 20:25
Date/Time out of oven	05/24/2024 16:22

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.62	232.12	187.5
Sample Weight (Oven Dried)			171

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			106
Sample <#10			65
% Passing #10			34.7

Hydrometer Data

Serial Number	653423
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0050
High Temp (C)	23.0
Reading at High Temp	1.0035
Hydrometer Cal Slope	-0.00025
Hydrometer Cal Intercept	1.00925
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000	457.66	502.61	44.95	g	73.7	Gravel	
3/8 inch	9500	447.16	479.30	32.14	g	54.9	Gravel	
#4	4750	487.87	501.00	13.13	g	47.2	Gravel	
#10	2000	462.40	478.01	15.61	g	38.1	Sand	Coarse
#20	850	372.28	382.29	10.01	g	32.2	Sand	Medium
#40	425	353.87	364.57	10.70	g	25.9	Sand	Medium
#60	250	351.28	360.29	9.01	g	20.6	Sand	Fine
#80	180	318.40	322.41	4.01	g	18.3	Sand	Fine
#100	150	327.44	329.58	2.14	g	17.0	Sand	Fine
#200	75	313.25	319.53	6.28	g	13.3	Sand	Fine
				0.00	g	13.3		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	171

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0150	21.6	33.2	10.5	Silt	
5	5	1.0140	21.6	21.2	9.53	Silt	
15	15	1.0120	21.6	12.5	7.65	Silt	
30	29	1.0120	21.6	9	7.65	Silt	
60	58	1.0110	21.6	6.4	6.72	Silt	
250	250	1.0095	21.6	3.1	5.31	Clay	
1440	1534	1.0085	21.6	1.3	4.37	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-EXT-8S-20240509-5
Lab Sample ID	460-303611-C-6

Date Received	5/9/2024
Start Date	05/23/2024 20:27
End Date	06/03/2024 14:55

Dry Weight Determination

Tin Weight	1.00	g
Wet Sample + Tin	21.61	g
Dry Sample + Tin	16.81	g
% Moisture	23.29	%

Non-soil material:	STICKS
Shape (> #10):	SUBROUNDED
Hardness (> #10):	HARD

Date/Time in oven	05/23/2024 20:28
Date/Time out of oven	05/24/2024 16:23

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.61	127.78	83.17
Sample Weight (Oven Dried)			63.8

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			2.37
Sample <#10			61.4
% Passing #10			73.8

Hydrometer Data

Serial Number	653423
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0050
High Temp (C)	23.0
Reading at High Temp	1.0035
Hydrometer Cal Slope	-0.00025
Hydrometer Cal Intercept	1.00925
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500			0.00	g	100.0	Gravel	
#4	4750	487.87	488.39	0.52	g	99.2	Gravel	
#10	2000	462.40	464.25	1.85	g	96.3	Sand	Coarse
#20	850	372.28	376.03	3.75	g	90.4	Sand	Medium
#40	425	353.87	360.58	6.71	g	79.9	Sand	Medium
#60	250	351.28	358.98	7.70	g	67.8	Sand	Fine
#80	180	318.40	322.65	4.25	g	61.1	Sand	Fine
#100	150	327.44	329.81	2.37	g	57.4	Sand	Fine
#200	75	313.25	319.78	6.53	g	47.2	Sand	Fine
				0.00	g	47.2		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	63.8

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0185	21.6	32	36.9	Silt	
5	5	1.0170	21.6	20.6	33.1	Silt	
15	15	1.0155	21.6	12.1	29.3	Silt	
30	29	1.0140	21.6	8.8	25.6	Silt	
60	63	1.0130	21.6	6	23	Silt	
250	250	1.0110	21.6	3.1	18	Clay	
1440	1434	1.0090	21.6	1.3	13	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-EXT-7S-20240509-7
Lab Sample ID	460-303611-C-8

Date Received	5/9/2024
Start Date	05/23/2024 20:31
End Date	06/03/2024 15:06

Dry Weight Determination

Tin Weight	1.00	g
Wet Sample + Tin	17.26	g
Dry Sample + Tin	14.08	g
% Moisture	19.56	%

Non-soil material:	STICKS
Shape (> #10):	SUBROUNDED
Hardness (> #10):	HARD

Date/Time in oven	05/23/2024 20:33
Date/Time out of oven	05/24/2024 16:23

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	47.68	119.74	72.06
Sample Weight (Oven Dried)			58

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			2.8
Sample <#10			55.2
% Passing #10			76.6

Hydrometer Data	
Serial Number	653423
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0050
High Temp (C)	23.0
Reading at High Temp	1.0035
Hydrometer Cal Slope	-0.00025
Hydrometer Cal Intercept	1.00925
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500			0.00	g	100.0	Gravel	
#4	4750	487.87	490.28	2.41	g	95.8	Gravel	
#10	2000	462.40	462.79	0.39	g	95.1	Sand	Coarse
#20	850	372.28	372.67	0.39	g	94.4	Sand	Medium
#40	425	353.87	354.46	0.59	g	93.4	Sand	Medium
#60	250	351.28	352.52	1.24	g	91.3	Sand	Fine
#80	180	318.40	319.97	1.57	g	88.6	Sand	Fine
#100	150	327.44	328.64	1.20	g	86.5	Sand	Fine
#200	75	313.25	318.98	5.73	g	76.6	Sand	Fine
				0.00	g	76.6		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	58

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0250	21.6	29.4	58.6	Silt	
5	5	1.0230	21.6	19.1	53	Silt	
15	15	1.0205	21.6	11.4	46.1	Silt	
30	31	1.0185	21.6	8.1	40.6	Silt	
60	60	1.0170	21.6	5.9	36.4	Silt	
250	240	1.0150	21.6	3	30.9	Clay	
1440	1424	1.0125	21.6	1.3	24	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-EXT-6S-20240509-6
Lab Sample ID	460-303611-C-10

Date Received	5/9/2024
Start Date	05/23/2024 20:41
End Date	06/03/2024 15:20

Dry Weight Determination

Tin Weight	1.00	g
Wet Sample + Tin	34.10	g
Dry Sample + Tin	26.94	g
% Moisture	21.63	%

Non-soil material:	STICKS
Shape (> #10):	SUBROUNDED
Hardness (> #10):	HARD

Date/Time in oven	05/23/2024 20:43
Date/Time out of oven	05/24/2024 16:23

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	47.81	167.21	119.4
Sample Weight (Oven Dried)			93.6

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			40
Sample <#10			53.6
% Passing #10			44.9

Hydrometer Data

Serial Number	653423
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0050
High Temp (C)	23.0
Reading at High Temp	1.0035
Hydrometer Cal Slope	-0.00025
Hydrometer Cal Intercept	1.00925
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500	447.16	477.72	30.56	g	67.4	Gravel	
#4	4750	487.87	494.36	6.49	g	60.5	Gravel	
#10	2000	462.40	465.37	2.97	g	57.3	Sand	Coarse
#20	850	372.28	374.77	2.49	g	54.6	Sand	Medium
#40	425	353.87	357.73	3.86	g	50.5	Sand	Medium
#60	250	351.28	356.08	4.80	g	45.4	Sand	Fine
#80	180	318.40	321.53	3.13	g	42.1	Sand	Fine
#100	150	327.44	329.49	2.05	g	39.9	Sand	Fine
#200	75	313.25	319.13	5.88	g	33.6	Sand	Fine
				0.00	g	33.6		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	93.6

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0205	21.6	31.2	28.6	Silt	
5	5	1.0180	21.6	20.3	24.3	Silt	
15	15	1.0150	21.6	12.1	19.1	Silt	
30	31	1.0135	21.6	8.6	16.6	Silt	
60	59	1.0120	21.6	6.3	14	Silt	
250	234	1.0100	21.6	3.2	10.6	Clay	
1440	1418	1.0085	21.6	1.3	7.98	Clay	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-975266/1-A
Matrix: Water
Analysis Batch: 975315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 975266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		05/16/24 13:29	05/16/24 14:31	1

Lab Sample ID: LCS 460-975266/2-A
Matrix: Water
Analysis Batch: 975315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 975266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.07		ug/L		107	80 - 120

Lab Sample ID: 460-303902-A-3-C MS
Matrix: Water
Analysis Batch: 975315

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 975266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.091	U	1.00	1.05		ug/L		105	75 - 125

Lab Sample ID: 460-303902-A-3-B DU
Matrix: Water
Analysis Batch: 975315

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 975266

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.091	U	0.091	U	ug/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-974896/1-A
Matrix: Solid
Analysis Batch: 974972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.017	0.0080	mg/Kg		05/15/24 01:33	05/15/24 06:09	1

Lab Sample ID: LCSSRM 460-974896/2-A ^20
Matrix: Solid
Analysis Batch: 974972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 974896

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	11.9	11.5		mg/Kg		96.4	67.1 - 131.9

Lab Sample ID: 460-303611-3 MS
Matrix: Solid
Analysis Batch: 974972

Client Sample ID: PL-C-5S-20240508-8.8-9.4
Prep Type: Total/NA
Prep Batch: 974896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.33		0.0816	0.379	4	mg/Kg	☼	63	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-303611-3 MSD — **Client Sample ID: PL-C-5S-20240508-8.8-9.4**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 974972 — **Prep Batch: 974896**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.33		0.0816	0.376	4	mg/Kg	☼	59	80 - 120	1	20

Lab Sample ID: 460-303611-3 DU — **Client Sample ID: PL-C-5S-20240508-8.8-9.4**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 974972 — **Prep Batch: 974896**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.33		0.315		mg/Kg	☼	4	20

Lab Sample ID: MB 460-975797/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 975844 — **Prep Batch: 975797**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.017	0.0080	mg/Kg		05/20/24 00:57	05/20/24 05:22	1

Lab Sample ID: LCSSRM 460-975797/2-A ^20 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 975844 — **Prep Batch: 975797**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	11.9	11.7		mg/Kg		98.1	67.1 - 131.9

Lab Sample ID: 460-304100-F-1-G MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 975844 — **Prep Batch: 975797**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.31	F1	0.0898	0.151	F1	mg/Kg	☼	-183	80 - 120

Lab Sample ID: 460-304100-F-1-F DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 975844 — **Prep Batch: 975797**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.31	F1	0.323		mg/Kg	☼	3	20

Method: 5310B - 2014 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 460-976572/38 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 976572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.48	U	1.0	0.48	mg/L			05/23/24 08:01	1

Method: 5310B - 2014 - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 460-976572/6
Matrix: Water
Analysis Batch: 976572

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.48	U	1.0	0.48	mg/L			05/22/24 18:33	1

Lab Sample ID: LCSSRM 460-976572/41
Matrix: Water
Analysis Batch: 976572

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	54.0	59.9		mg/L		111.0	83.3 - 115.7

Lab Sample ID: MRL 460-976572/5
Matrix: Water
Analysis Batch: 976572

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.00	1.29		mg/L		129	50 - 150

Lab Sample ID: 460-303606-A-1 MS
Matrix: Water
Analysis Batch: 976572

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	15	F1	50.0	73.0		mg/L		115	85 - 115

Lab Sample ID: 460-303606-A-1 MSD
Matrix: Water
Analysis Batch: 976572

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	15	F1	50.0	73.1	F1	mg/L		116	85 - 115	0	15

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 460-975290/3
Matrix: Solid
Analysis Batch: 975290

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	51	U	100	51	mg/Kg			05/16/24 11:03	1

Lab Sample ID: LCSSRM 460-975290/4
Matrix: Solid
Analysis Batch: 975290

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
TOC Result 1	13700	14800		mg/Kg		107.8	39.4 - 177.4

Method: Lloyd Kahn - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 460-975923/3
Matrix: Solid
Analysis Batch: 975923

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	51	U	100	51	mg/Kg			05/20/24 14:35	1

Lab Sample ID: LCSSRM 460-975923/4
Matrix: Solid
Analysis Batch: 975923

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
TOC Result 1			13700	14200		mg/Kg		103.5	39.4 - 177.4		

Method: Moisture - Percent Moisture

Lab Sample ID: 460-303611-1 DU
Matrix: Solid
Analysis Batch: 974574

Client Sample ID: PL-C-2S-20240508-8.3-8.9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12.2			14.6		%				18	20
Percent Solids	87.8			85.4		%				3	20

Lab Sample ID: 460-303611-7 DU
Matrix: Solid
Analysis Batch: 974574

Client Sample ID: PL-EXT-7S-20240509-7-7.6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12.3			13.9		%				12	20
Percent Solids	87.7			86.1		%				2	20

Lab Sample ID: 460-303611-9 DU
Matrix: Solid
Analysis Batch: 974574

Client Sample ID: PL-EXT-6S-20240509-6.6-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	2.2			20.3	F3	%				161	20
Percent Solids	97.8			79.7		%				20	20

Lab Sample ID: 460-304188-A-2 DU
Matrix: Solid
Analysis Batch: 975719

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture				18.2		%					20
Percent Solids				81.8		%					20

QC Association Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303611-1

Metals

Prep Batch: 974896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-1	PL-C-2S-20240508-8.3-8.9	Total/NA	Solid	7471B	
460-303611-3	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	7471B	
460-303611-5	PL-EXT-8S-20240509-5-5.6	Total/NA	Solid	7471B	
460-303611-7	PL-EXT-7S-20240509-7-7.6	Total/NA	Solid	7471B	
460-303611-9	PL-EXT-6S-20240509-6.6-6	Total/NA	Solid	7471B	
MB 460-974896/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-974896/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	
460-303611-3 MS	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	7471B	
460-303611-3 MSD	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	7471B	
460-303611-3 DU	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	7471B	

Analysis Batch: 974972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-1	PL-C-2S-20240508-8.3-8.9	Total/NA	Solid	7471B	974896
460-303611-3	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	7471B	974896
460-303611-5	PL-EXT-8S-20240509-5-5.6	Total/NA	Solid	7471B	974896
460-303611-7	PL-EXT-7S-20240509-7-7.6	Total/NA	Solid	7471B	974896
460-303611-9	PL-EXT-6S-20240509-6.6-6	Total/NA	Solid	7471B	974896
MB 460-974896/1-A	Method Blank	Total/NA	Solid	7471B	974896
LCSSRM 460-974896/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	974896
460-303611-3 MS	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	7471B	974896
460-303611-3 MSD	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	7471B	974896
460-303611-3 DU	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	7471B	974896

Prep Batch: 975266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303765-1	EB-20240510	Total/NA	Water	7470A	
MB 460-975266/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-975266/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-303902-A-3-C MS	Matrix Spike	Total/NA	Water	7470A	
460-303902-A-3-B DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 975315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303765-1	EB-20240510	Total/NA	Water	7470A	975266
MB 460-975266/1-A	Method Blank	Total/NA	Water	7470A	975266
LCS 460-975266/2-A	Lab Control Sample	Total/NA	Water	7470A	975266
460-303902-A-3-C MS	Matrix Spike	Total/NA	Water	7470A	975266
460-303902-A-3-B DU	Duplicate	Total/NA	Water	7470A	975266

Prep Batch: 975797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-11	FD-W-1-20240508	Total/NA	Solid	7471B	
460-303611-12	FD-S-2-20240508	Total/NA	Solid	7471B	
MB 460-975797/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-975797/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	
460-304100-F-1-G MS	Matrix Spike	Total/NA	Solid	7471B	
460-304100-F-1-F DU	Duplicate	Total/NA	Solid	7471B	

Metals

Analysis Batch: 975844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-11	FD-W-1-20240508	Total/NA	Solid	7471B	975797
460-303611-12	FD-S-2-20240508	Total/NA	Solid	7471B	975797
MB 460-975797/1-A	Method Blank	Total/NA	Solid	7471B	975797
LCSSRM 460-975797/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	975797
460-304100-F-1-G MS	Matrix Spike	Total/NA	Solid	7471B	975797
460-304100-F-1-F DU	Duplicate	Total/NA	Solid	7471B	975797

General Chemistry

Analysis Batch: 974574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-1	PL-C-2S-20240508-8.3-8.9	Total/NA	Solid	Moisture	
460-303611-2	PL-C-2S-20240508-8.3-9.4	Total/NA	Solid	Moisture	
460-303611-3	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	Moisture	
460-303611-4	PL-C-5S-20240508-8.8-10	Total/NA	Solid	Moisture	
460-303611-5	PL-EXT-8S-20240509-5-5.6	Total/NA	Solid	Moisture	
460-303611-6	PL-EXT-8S-20240509-5-7	Total/NA	Solid	Moisture	
460-303611-7	PL-EXT-7S-20240509-7-7.6	Total/NA	Solid	Moisture	
460-303611-8	PL-EXT-7S-20240509-7-9	Total/NA	Solid	Moisture	
460-303611-9	PL-EXT-6S-20240509-6.6-6	Total/NA	Solid	Moisture	
460-303611-10	PL-EXT-6S-20240509-6-8	Total/NA	Solid	Moisture	
460-303611-3 MS	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	Moisture	
460-303611-3 MSD	PL-C-5S-20240508-8.8-9.4	Total/NA	Solid	Moisture	
460-303658-D-3 MSS	Matrix Spike	Total/NA	Solid	Moisture	
460-303660-A-1 MSS	Matrix Spike	Total/NA	Solid	Moisture	
460-303611-1 DU	PL-C-2S-20240508-8.3-8.9	Total/NA	Solid	Moisture	
460-303611-7 DU	PL-EXT-7S-20240509-7-7.6	Total/NA	Solid	Moisture	
460-303611-9 DU	PL-EXT-6S-20240509-6.6-6	Total/NA	Solid	Moisture	

Analysis Batch: 975290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-2	PL-C-2S-20240508-8.3-9.4	Total/NA	Solid	Lloyd Kahn	
460-303611-4	PL-C-5S-20240508-8.8-10	Total/NA	Solid	Lloyd Kahn	
460-303611-6	PL-EXT-8S-20240509-5-7	Total/NA	Solid	Lloyd Kahn	
460-303611-8	PL-EXT-7S-20240509-7-9	Total/NA	Solid	Lloyd Kahn	
460-303611-10	PL-EXT-6S-20240509-6-8	Total/NA	Solid	Lloyd Kahn	
MB 460-975290/3	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCSSRM 460-975290/4	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 975719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-11	FD-W-1-20240508	Total/NA	Solid	Moisture	
460-303611-12	FD-S-2-20240508	Total/NA	Solid	Moisture	
460-304208-A-28 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-304208-A-28 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-304188-A-2 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 975923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-11	FD-W-1-20240508	Total/NA	Solid	Lloyd Kahn	
460-303611-12	FD-S-2-20240508	Total/NA	Solid	Lloyd Kahn	

General Chemistry (Continued)

Analysis Batch: 975923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-975923/3	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCSSRM 460-975923/4	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 976572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303765-1	EB-20240510	Total/NA	Water	5310B - 2014	
MB 460-976572/38	Method Blank	Total/NA	Water	5310B - 2014	
MB 460-976572/6	Method Blank	Total/NA	Water	5310B - 2014	
LCSSRM 460-976572/41	Lab Control Sample	Total/NA	Water	5310B - 2014	
MRL 460-976572/5	Lab Control Sample	Total/NA	Water	5310B - 2014	
460-303606-A-1 MS	Matrix Spike	Total/NA	Water	5310B - 2014	
460-303606-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	5310B - 2014	

Geotechnical

Analysis Batch: 204486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-2	PL-C-2S-20240508-8.3-9.4	Total/NA	Solid	D4318	
460-303611-4	PL-C-5S-20240508-8.8-10	Total/NA	Solid	D4318	
460-303611-6	PL-EXT-8S-20240509-5-7	Total/NA	Solid	D4318	
460-303611-8	PL-EXT-7S-20240509-7-9	Total/NA	Solid	D4318	
460-303611-10	PL-EXT-6S-20240509-6-8	Total/NA	Solid	D4318	

Analysis Batch: 204487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-2	PL-C-2S-20240508-8.3-9.4	Total/NA	Solid	D854	
460-303611-4	PL-C-5S-20240508-8.8-10	Total/NA	Solid	D854	
460-303611-6	PL-EXT-8S-20240509-5-7	Total/NA	Solid	D854	
460-303611-8	PL-EXT-7S-20240509-7-9	Total/NA	Solid	D854	
460-303611-10	PL-EXT-6S-20240509-6-8	Total/NA	Solid	D854	

Analysis Batch: 204821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303611-2	PL-C-2S-20240508-8.3-9.4	Total/NA	Solid	D422	
460-303611-4	PL-C-5S-20240508-8.8-10	Total/NA	Solid	D422	
460-303611-6	PL-EXT-8S-20240509-5-7	Total/NA	Solid	D422	
460-303611-8	PL-EXT-7S-20240509-7-9	Total/NA	Solid	D422	
460-303611-10	PL-EXT-6S-20240509-6-8	Total/NA	Solid	D422	

Client Sample ID: PL-C-2S-20240508-8.3-8.9
Lab Sample ID: 460-303611-1
Date Collected: 05/08/24 10:15
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 16:17

Client Sample ID: PL-C-2S-20240508-8.3-8.9
Lab Sample ID: 460-303611-1
Date Collected: 05/08/24 10:15
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974896	TJS	EET EDI	05/15/24 01:33
Total/NA	Analysis	7471B		3	974972	TJS	EET EDI	05/15/24 08:08

Client Sample ID: PL-C-2S-20240508-8.3-9.4
Lab Sample ID: 460-303611-2
Date Collected: 05/08/24 10:15
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204821	MAP	EET BUR	05/23/24 20:16
Total/NA	Analysis	D4318		1	204486	MAP	EET BUR	05/23/24 20:06
Total/NA	Analysis	D854		1	204487	MAP	EET BUR	05/23/24 20:07

Client Sample ID: PL-C-2S-20240508-8.3-9.4
Lab Sample ID: 460-303611-2
Date Collected: 05/08/24 10:15
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 11:42

Client Sample ID: PL-C-5S-20240508-8.8-9.4
Lab Sample ID: 460-303611-3
Date Collected: 05/08/24 11:20
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 16:18

Client Sample ID: PL-C-5S-20240508-8.8-9.4
Lab Sample ID: 460-303611-3
Date Collected: 05/08/24 11:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974896	TJS	EET EDI	05/15/24 01:33
Total/NA	Analysis	7471B		1	974972	TJS	EET EDI	05/15/24 06:13

Client Sample ID: PL-C-5S-20240508-8.8-10
Lab Sample ID: 460-303611-4
Date Collected: 05/08/24 11:20
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204821	MAP	EET BUR	05/23/24 20:24
Total/NA	Analysis	D4318		1	204486	MAP	EET BUR	05/23/24 20:06
Total/NA	Analysis	D854		1	204487	MAP	EET BUR	05/23/24 20:07

Client Sample ID: PL-C-5S-20240508-8.8-10
Lab Sample ID: 460-303611-4
Date Collected: 05/08/24 11:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 12:27

Client Sample ID: PL-EXT-8S-20240509-5-5.6
Lab Sample ID: 460-303611-5
Date Collected: 05/09/24 08:20
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 16:17

Client Sample ID: PL-EXT-8S-20240509-5-5.6
Lab Sample ID: 460-303611-5
Date Collected: 05/09/24 08:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 72.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974896	TJS	EET EDI	05/15/24 01:33
Total/NA	Analysis	7471B		1	974972	TJS	EET EDI	05/15/24 08:10

Client Sample ID: PL-EXT-8S-20240509-5-7
Lab Sample ID: 460-303611-6
Date Collected: 05/09/24 08:20
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204821	MAP	EET BUR	05/23/24 20:27
Total/NA	Analysis	D4318		1	204486	MAP	EET BUR	05/23/24 20:06
Total/NA	Analysis	D854		1	204487	MAP	EET BUR	05/23/24 20:07

Client Sample ID: PL-EXT-8S-20240509-5-7
Lab Sample ID: 460-303611-6
Date Collected: 05/09/24 08:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 12:34

Client Sample ID: PL-EXT-7S-20240509-7-7.6
Lab Sample ID: 460-303611-7
Date Collected: 05/09/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 16:17

Client Sample ID: PL-EXT-7S-20240509-7-7.6
Lab Sample ID: 460-303611-7
Date Collected: 05/09/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974896	TJS	EET EDI	05/15/24 01:33
Total/NA	Analysis	7471B		10	974972	TJS	EET EDI	05/15/24 08:12

Client Sample ID: PL-EXT-7S-20240509-7-9
Lab Sample ID: 460-303611-8
Date Collected: 05/09/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204821	MAP	EET BUR	05/23/24 20:31
Total/NA	Analysis	D4318		1	204486	MAP	EET BUR	05/23/24 20:06
Total/NA	Analysis	D854		1	204487	MAP	EET BUR	05/23/24 20:07

Client Sample ID: PL-EXT-7S-20240509-7-9
Lab Sample ID: 460-303611-8
Date Collected: 05/09/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 12:42

Client Sample ID: PL-EXT-6S-20240509-6.6-6
Lab Sample ID: 460-303611-9
Date Collected: 05/09/24 09:25
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 16:18

Client Sample ID: PL-EXT-6S-20240509-6.6-6
Lab Sample ID: 460-303611-9
Date Collected: 05/09/24 09:25
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974896	TJS	EET EDI	05/15/24 01:33
Total/NA	Analysis	7471B		1200	974972	TJS	EET EDI	05/15/24 08:14

Client Sample ID: PL-EXT-6S-20240509-6-8 — **Lab Sample ID: 460-303611-10**
Date Collected: 05/09/24 09:25 — **Matrix: Solid**
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204821	MAP	EET BUR	05/23/24 20:41
Total/NA	Analysis	D4318		1	204486	MAP	EET BUR	05/23/24 20:06
Total/NA	Analysis	D854		1	204487	MAP	EET BUR	05/23/24 20:07

Client Sample ID: PL-EXT-6S-20240509-6-8 — **Lab Sample ID: 460-303611-10**
Date Collected: 05/09/24 09:25 — **Matrix: Solid**
Date Received: 05/09/24 20:00 — **Percent Solids: 96.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 13:35

Client Sample ID: FD-W-1-20240508 — **Lab Sample ID: 460-303611-11**
Date Collected: 05/08/24 00:00 — **Matrix: Solid**
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	975719	CJC	EET EDI	05/19/24 11:39

Client Sample ID: FD-W-1-20240508 — **Lab Sample ID: 460-303611-11**
Date Collected: 05/08/24 00:00 — **Matrix: Solid**
Date Received: 05/09/24 20:00 — **Percent Solids: 90.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			975797	TJS	EET EDI	05/20/24 00:57
Total/NA	Analysis	7471B		60	975844	TJS	EET EDI	05/20/24 07:04
Total/NA	Analysis	Lloyd Kahn		1	975923	MMC	EET EDI	05/20/24 14:58

Client Sample ID: FD-S-2-20240508 — **Lab Sample ID: 460-303611-12**
Date Collected: 05/08/24 00:00 — **Matrix: Solid**
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	975719	CJC	EET EDI	05/19/24 11:39

Client Sample ID: FD-S-2-20240508 — **Lab Sample ID: 460-303611-12**
Date Collected: 05/08/24 00:00 — **Matrix: Solid**
Date Received: 05/09/24 20:00 — **Percent Solids: 83.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			975797	TJS	EET EDI	05/20/24 00:57
Total/NA	Analysis	7471B		400	975844	TJS	EET EDI	05/20/24 07:05
Total/NA	Analysis	Lloyd Kahn		1	975923	MMC	EET EDI	05/20/24 15:42

Lab Chronicle

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303611-1

Client Sample ID: EB-20240510

Date Collected: 05/10/24 10:00
Date Received: 05/10/24 20:10

Lab Sample ID: 460-303765-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			975266	RBS	EET EDI	05/16/24 13:29
Total/NA	Analysis	7470A		1	975315	RBS	EET EDI	05/16/24 15:12
Total/NA	Analysis	5310B - 2014		1	976572	MMC	EET EDI	05/23/24 16:47

Laboratory References:

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

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303611-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-19-25
Florida	NELAP	E87467	06-30-24
Minnesota	NELAP	050-999-436	12-31-24
New Hampshire	NELAP	2006	12-18-24
New Jersey	NELAP	VT972	06-30-24
New York	NELAP	10391	03-31-25
Pennsylvania	NELAP	68-00489	04-30-25
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00272	12-19-26
Vermont	State	VT4000	02-10-25
Virginia	NELAP	460209	12-14-24
Wisconsin	State	399140830	08-31-24

Method Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303611-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
5310B - 2014	Organic Carbon, Total (TOC)	SM	EET EDI
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
D422	Grain Size	ASTM	EET BUR
D4318	Liquid Limit, Plastic Limit and Plasticity Index of Soils	ASTM	EET BUR
D854	Specific Gravity	ASTM	EET BUR
7470A	Preparation, Mercury	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303611-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-303611-1	PL-C-2S-20240508-8.3-8.9	Solid	05/08/24 10:15	05/09/24 20:00
460-303611-2	PL-C-2S-20240508-8.3-9.4	Solid	05/08/24 10:15	05/09/24 20:00
460-303611-3	PL-C-5S-20240508-8.8-9.4	Solid	05/08/24 11:20	05/09/24 20:00
460-303611-4	PL-C-5S-20240508-8.8-10	Solid	05/08/24 11:20	05/09/24 20:00
460-303611-5	PL-EXT-8S-20240509-5-5.6	Solid	05/09/24 08:20	05/09/24 20:00
460-303611-6	PL-EXT-8S-20240509-5-7	Solid	05/09/24 08:20	05/09/24 20:00
460-303611-7	PL-EXT-7S-20240509-7-7.6	Solid	05/09/24 08:50	05/09/24 20:00
460-303611-8	PL-EXT-7S-20240509-7-9	Solid	05/09/24 08:50	05/09/24 20:00
460-303611-9	PL-EXT-6S-20240509-6.6-6	Solid	05/09/24 09:25	05/09/24 20:00
460-303611-10	PL-EXT-6S-20240509-6-8	Solid	05/09/24 09:25	05/09/24 20:00
460-303611-11	FD-W-1-20240508	Solid	05/08/24 00:00	05/09/24 20:00
460-303611-12	FD-S-2-20240508	Solid	05/08/24 00:00	05/09/24 20:00
460-303765-1	EB-20240510	Water	05/10/24 10:00	05/10/24 20:10

Address:

Chain of Custody Record

657349 eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Delaney Peterson	Site Contact: Sarah LaRoe	Date:	COC No:
Company Name: ANCHOR QEA	Tel/Email: 360-715-2707	Lab Contact:	Carrier:	of COCs
Address: 1201 3rd Ave Suite 2600	Analysis Turnaround Time			Sampler:
City/State/Zip: Seattle, WA 98101	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (206) 287-9130	TAT if different from Below			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: NEPERA	☐ 1 week			
Site: Harriman, NY	☐ 2 days			Job / SDG No.:
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TOTAL MERCURY	PERCENT MOISTURE	TOC	ATTERBERG LIMIT	SPECIFIC GRAVITY	GRAIN SIZE	Sample Specific Notes:
PL-C-25-20240508-8.3-8.9	5/8/24	1015	C	SO	1			X						
PL-C-25-20240508-8.3-9.4	5/8/24	1015	C	SO	5				X	X	X	X	X	
PL-C-55-20240508-8.8-9.4	5/8/24	1120	C	SO	1			X						
PL-C-55-20240508-8.8-10	5/8/24	1120	C	SO	5				X	X	X	X	X	
PL-EXT-85-20240509-5-5.6	5/9/24	0820	C	SO	1			X						
PL-EXT-85-20240509-5-7	5/9/24	0820	C	SO	5				X	X	X	X	X	
PL-EXT-75-20240509-7-7.6	5/9/24	0850	C	SO	1			X						
PL-EXT-75-20240509-7-9	5/9/24	0850	C	SO	5				X	X	X	X	X	
PL-EXT-65-20240509-6-6.6	5/9/24	0925	C	SO	1			X						
PL-EXT-65-20240509-6-8	5/9/24	0925	C	SO	5				X	X	X	X	X	
FD-W-1	5/8/24	99:99	C	SO	1			x						
FD-S-1	5/8/24	99:99	C	SO	1			x						

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by: Kelly Tupper KLT	Company: AQ	Date/Time: 5/9/24 1415	Received by:	Company: ETA	Date/Time: 5-9-24 1415
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

657349 eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: Delaney Peterson	Site Contact: Sarah Lakhal	Date:	COC No:
Company Name: ANCHOR QEA	Tel/Email: 360-715-2707	Lab Contact:	Carrier:	_____ of _____ COCs
Address: 1201 3rd Ave Suite 2600	Analysis Turnaround Time			Sampler:
City/State/Zip: Seattle, WA 98101	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (206) 287-9130	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: NEPERA	☐ 1 week			
Site: Hamman, NY	☐ 2 days			Job / SDG No: 303611
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TOTAL MERCURY	PERCENT MOISTURE	TOC	ATTERBERG LIMIT	SPECIFIC GRAVITY	GRAIN SIZE	Sample Specific Notes:
PL-C-2S-20240508-8.3-8.9	5/8/24	1015	C	SO	1			X						1
PL-C-2S-20240508-8.3-9.4	5/8/24	1015	C	SO	5				X	X	X	X	X	2
PL-C-5S-20240508-8.8-9.4	5/8/24	1120	C	SO	1			X						3
PL-C-5S-20240508-8.8-10	5/8/24	1120	C	SO	5				X	X	X	X	X	4
PL-EXT-8S-20240509-5-5.6	5/9/24	0820	C	SO	1			X						5
PL-EXT-8S-20240509-5-7	5/9/24	0820	C	SO	5				X	X	X	X	X	6
PL-EXT-7S-20240509-7-7.6	5/9/24	0850	C	SO	1			X						7
PL-EXT-7S-20240509-7-9	5/9/24	0850	C	SO	5				X	X	X	X	X	8
PL-EXT-6S-20240509-6-6.6	5/9/24	0925	C	SO	1			X						9
PL-EXT-6S-20240509-6-8	5/9/24	0925	C	SO	5				X	X	X	X	X	10
														11
														12

460-303611 Chain of Custody

ELMS ORD 272

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Kelly Thigpen	AQ	5/9/24 1415		ETA	5-9-24 1415
	ETA 5-9-24	1700			5/9/24 1800
		5/9/2024	Bhatt	ETA	5/9/24 2000

Page 43 of 56

7/19/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 303611

Number of Coolers: 4 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.0 °C	2.4 °C	Cooler #4:	1.5 °C	1.9 °C	Cooler #7:	°C	°C
Cooler #2:	1.6 °C	2.0 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	1.3 °C	1.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ **Date:** 5 9 24

Address:

Chain of Custody Record

683050

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: DELANY PETERSON	Site Contact: SARAH LARS	Date:	COC No:
Company Name: ANCHOR QEA	Tel/Email: (360) 715-2707	Lab Contact:	Carrier:	____ of ____ COCs
Address: 1201 3rd Ave #2600	Analysis Turnaround Time			Sampler:
City/State/Zip: Seattle WA, 98101	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (206) 287-9130	TAT if different from Below ____			Walk-in Client:
Fax:	X 2 weeks			Lab Sampling:
Project Name: NEPERA	☐ 1 week			
Site: Herkimer, NY	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TOTAL MERCURY	TOC	Sample Specific Notes:
~~EB-20240510-TM~~	~~5/10/24~~	~~1000~~	~~G~~	~~AQ~~	1			X		KT
~~EB-20240510-TOC~~	~~5/10/24~~	~~1000~~	~~G~~	~~AQ~~	1				X	KT
EB-20240510	5/10/24	1000	G	AQ	2			X	X	
PL-C-5S-20240508-8.8-9.4-MS	5/8/24	1120	C	SO	1			x		
PL-C-5S-20240508-8.8-9.4-MSD	5/8/24	1120	C	SO	1			x		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client X Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____

Relinquished by: KT	Company: AQ	Date/Time: 5/10/24	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

683050

eurofins | Environment Testing America

NYC 232

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: DENNY PETERSON	Site Contact: SARAH LARSEN	Date:	COC No:
Company Name: ANCHOR QEA	Tel/Email: (360) 715-2707	Lab Contact:	Carrier:	_____ of _____ COCs
Address: 1201 3rd Ave #2600	Analysis Turnaround Time			Sampler:
City/State/Zip: Seattle WA, 98101	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (206) 287-9130	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: NEPERA	☐ 1 week			Job / SDG No.: 303765
Site: Herkimer, NY	☐ 2 days			
P O #:	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TOTAL Mercury 7470																			Sample Specific Notes:
~~EB-20240510-TM~~	~~5/10/24~~	1000	G	AQ	1			X																			QT
~~EB-20240510-TDL~~	~~5/10/24~~	1000	G	~~AQ~~	1				X																		K
EB-20240510	5/10/24	1000	G	AQ	2			X	X																		1

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by	Company	Date/Time	Received by:	Company	Date/Time
	AQ	5/10/24		TA NYC	05/10/24 14:30
	TA NYC	05/10/24 17:10		EVTA	5/10/24 2010
	Company.	Date/Time	Received in Laboratory by:	Company:	Date/Time:

460-303765 Chain of Custody

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 303765

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	17 °C	21 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				2							2				

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: Lomel Date: 5/10/24

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

460-303611 Chain of Custody

urofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Franklin, Jannel O		No: -71216 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jannel.Franklin@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-303611-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 5/28/2024			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: Nepera	Project #: 46041685			
Site	SSOW#:			

Analysis Requested

Preservation Codes: -

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D4318/ Atterberg Limits (Liquid Limit,Plastic)	D854/ Specific Gravity	D422/ Grain Size (Sieve and Hydrometer)	D422/ % Passing Routine List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
PL-L-2S-20240508-8.3-9.4 (460-303611-2)	5/8/24	10:15 Eastern		Solid			X	X	X	X	3	
PL-L-5S-20240508-8 8-10 (460-303611-4)	5/8/24	11:20 Eastern		Solid			X	X	X	X	3	
PL-EXT-8S-20240509-5-7 (460-303611-6)	5/9/24	08.20 Eastern		Solid			X	X	X	X	3	
PL-EXT-7S-20240509-7-9 (460-303611-8)	5/9/24	08.50 Eastern		Solid			X	X	X	X	3	
PL-EXT-6S-20240509-6-8 (460-303611-10)	5/9/24	09:25 Eastern		Solid			X	X	X	X	3	

Note. Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 5/14/24 1600	Company: Eurofins	Received by:	Date/Time: 5/15/24 1030	Company: Eurofins Buffalo
Relinquished by:	Date/Time.	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

ORIGIN ID:LDJA (732) 548-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 44.80 LB
CAD: 0619092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: 8460-181944
PO: YES

FedEx Express

J241023112201uv

1 of 3

TRK# 0201 6553 1012 1047

MASTER

NX BTVA

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV

Part # 158469-434 MTW EXP 09/24

ORIGIN ID:LDJA (732) 548-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 36.50 LB
CAD: 0619092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: 8460-181944
PO: YES

FedEx Express

J241023112201uv

2 of 3

MPS# 0263 6553 1012 1058

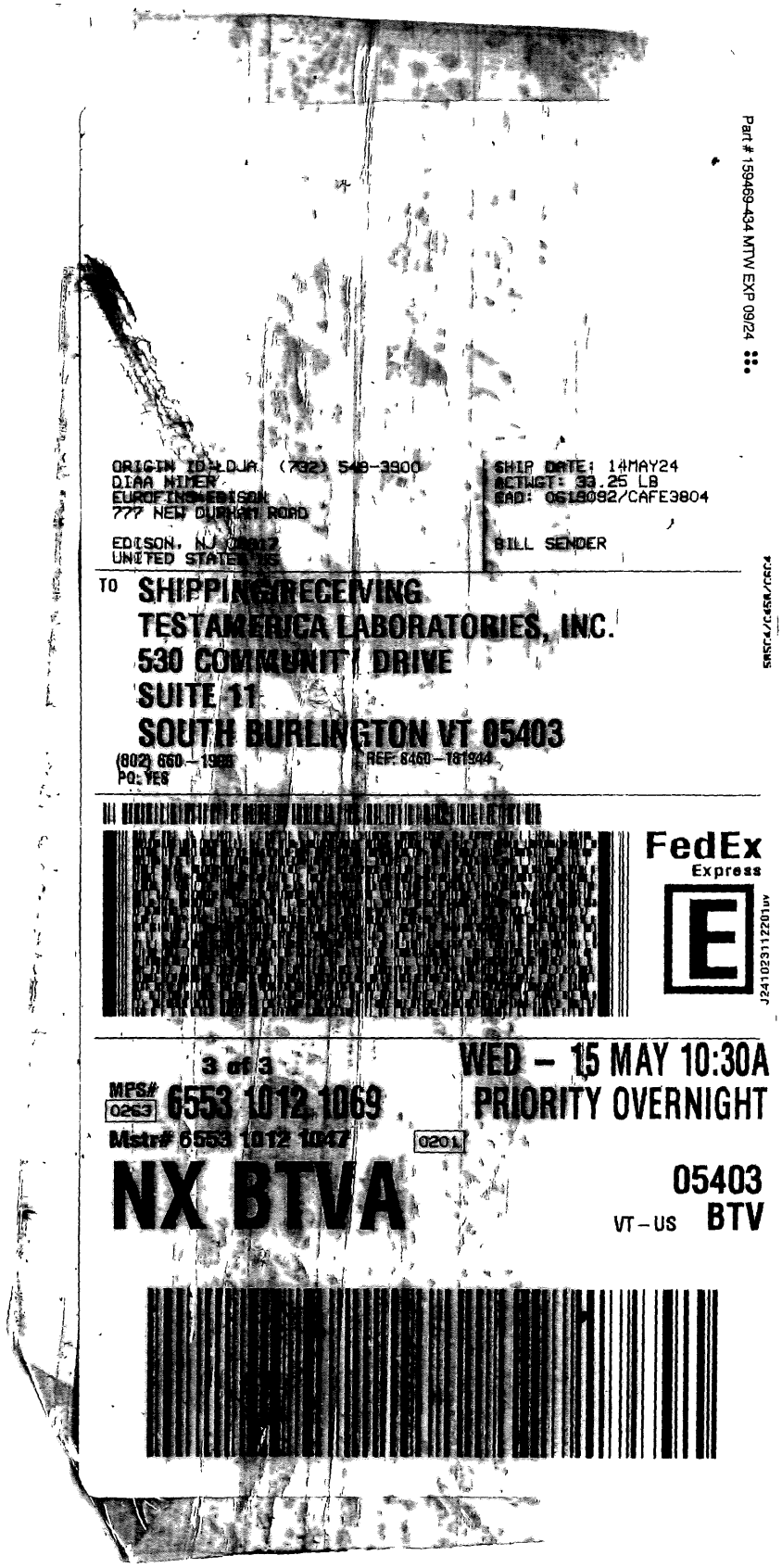
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0201

NX BTVA

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV


Part # 159469-434 MTW EXP 09/24
ORIGIN ID:EDJA (732) 548-3900
DIAA MINER
EUROFINS-EDISON
777 NEW DURHAM ROAD
EDISON, NJ 08817
UNITED STATES US
SHIP DATE: 14MAY24
ACTWGT: 33.25 LB
CAD: 0518092/CAFE3804
BILL SENDER
TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: 8460-181944
PO: YES
FedEx
Express
J24102311220lu
3 of 3
MPS# 0253 6553 1012 1069
Mstr# 6553 1012 1047
0201
WED - 15 MAY 10:30A
PRIORITY OVERNIGHT
NX BTVA
05403
VT - US
BTV

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

460-303611 Chain of Custody

urofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Franklin, Jannel O		No: 71216.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jannel.Franklin@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-303611-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 5/28/2024			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: Nepera	Project #: 46041685			
Site	SSOW#:			

Analysis Requested

Preservation Codes: -

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D4318/ Atterberg Limits (Liquid Limit,Plastic)	D854/ Specific Gravity	D422/ Grain Size (Sieve and Hydrometer)	D422/ % Passing Routine List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
PL-L-2S-20240508-8 3-9.4 (460-303611-2)	5/8/24	10:15 Eastern		Solid			X	X	X	X	3	
PL-L-5S-20240508-8 8-10 (460-303611-4)	5/8/24	11:20 Eastern		Solid			X	X	X	X	3	
PL-EXT-8S-20240509-5-7 (460-303611-6)	5/9/24	08:20 Eastern		Solid			X	X	X	X	3	
PL-EXT-7S-20240509-7-9 (460-303611-8)	5/9/24	08.50 Eastern		Solid			X	X	X	X	3	
PL-EXT-6S-20240509-6-8 (460-303611-10)	5/9/24	09:25 Eastern		Solid			X	X	X	X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested. I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5/14/24 1600	Company: Bat	Received by:	Date/Time: 5/15/24 1030	Company: Eurofins Burl
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:
	Cooler Temperature(s) °C and Other Remarks:

Page 51 of 56

7/19/2024

ORIGIN ID:LDJA (732) 548-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 44.80 LB
CAD: 0619092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
PO: YES

REF: 8460-181944

FedEx Express

J241023112201uv

1 of 3

TRK# 0201 6553 1012 1047

MASTER

NX BTVA

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV

Part # 158469-434 MTW EXP 09/24

ORIGIN ID:LDJA (732) 548-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 36.50 LB
CAD: 0619092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
PO: YES

REF: 8460-181944

FedEx Express

J241023112201uv

2 of 3

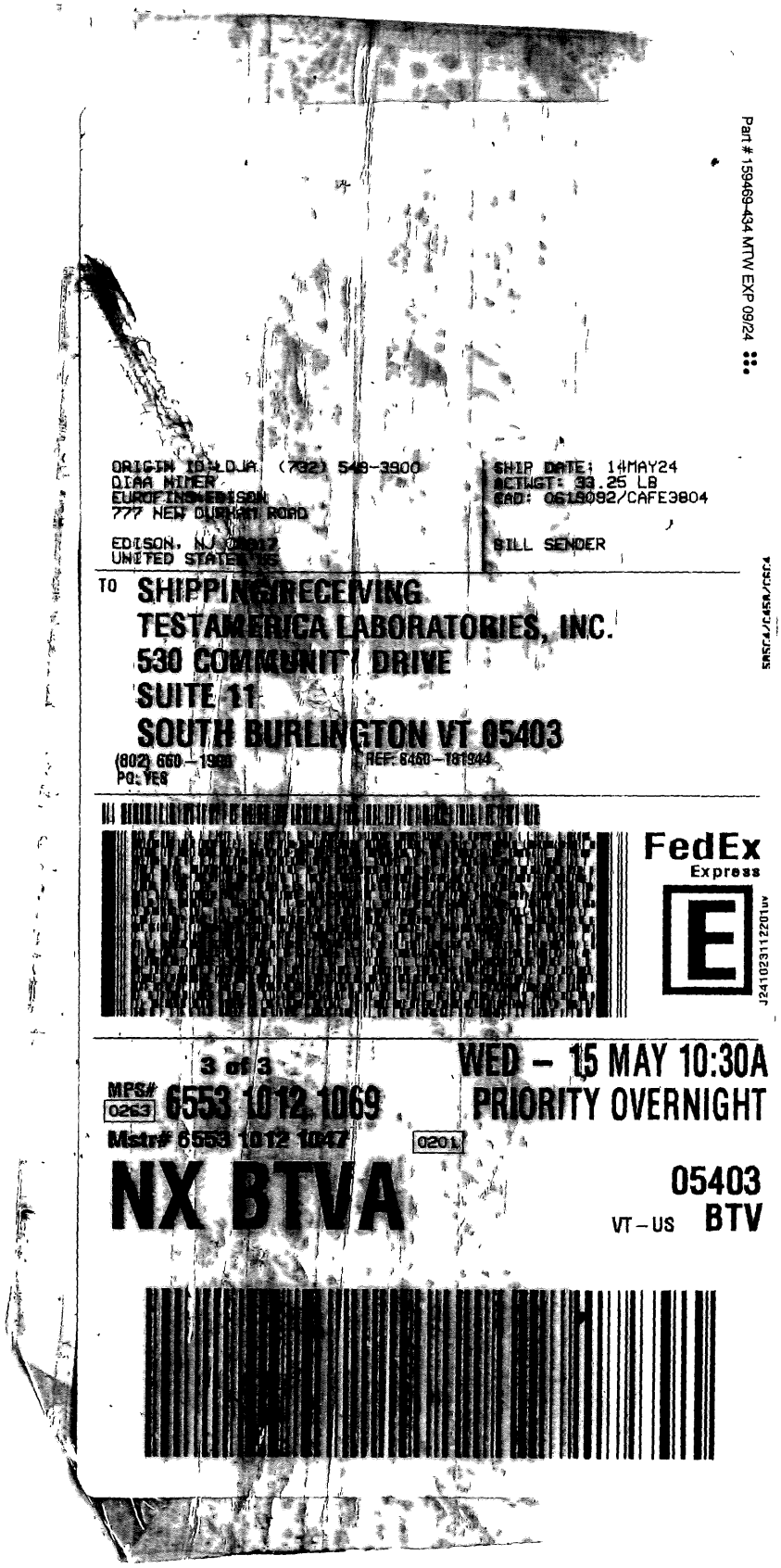
MPS# 0263 6553 1012 1058

Mstr# 6553 1012 1047 0201

NX BTVA

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV


Part # 159469-434 MTW EXP 09/24
ORIGIN ID:LDJA (732) 548-3900
DIAA MINER
EUROFINS*EDISON
777 NEW DURHAM ROAD
EDISON, NJ 08817
UNITED STATES US
SHIP DATE: 14MAY24
ACTWGT: 33.25 LB
CAD: 0615092/CAFE3804
BILL SENDER
TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: 8460-181944
PO: YES
FedEx
Express
J24102311220lu
3 of 3
MPS#
0263 6553 1012 1069
Mstr# 6553 1012 1047
0201
WED - 15 MAY 10:30A
PRIORITY OVERNIGHT
NX BTVA
05403
VT - US BTV

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 460-303611-1

Login Number: 303611
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 460-303611-1

Login Number: 303611
List Number: 2
Creator: Silva, Luca

List Source: Eurofins Burlington
List Creation: 05/16/24 12:12 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2004782, 2004783, 2004784
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6ºC, 16.9ºC, 16.8ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 460-303611-1

Login Number: 303765
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah LaRoe
Anchor QEA LLC
68 Excelsior Ave.
Suite101
Saratoga Springs NY 12866

Generated 7/16/2024 10:42 PM

JOB DESCRIPTION

Nepera

JOB NUMBER

460-303610-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

myEOL

Eurofins Edison

Job Notes

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

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



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Authorized for release by
Jannel O Franklin, Manager of Project Management Assistants
Jannel.Franklin@et.eurofinsus.com
732 593-2551

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Qualifiers

GC/MS VOA

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

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, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC 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.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Anchor QEA LLC

Project: Nepera

Report Number: 460-303610-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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

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

RECEIPT
The samples were received on 5/9/2024 8:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.7°C, 1.9°C, 2.0°C and 2.4°C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS
Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4) and PL-C-3W-20240508-0.85-3.2 (460-303610-5) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 05/11/2024 and analyzed on 05/16/2024.

No difficulties were encountered during the TCLP volatiles analysis.

All quality control parameters were within the acceptance limits.

TCLP HERBICIDES
Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4) and PL-C-3W-20240508-0.85-3.2 (460-303610-5) were analyzed for TCLP herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 05/12/2024, prepared on 05/13/2024 and analyzed on 05/14/2024.

No difficulties were encountered during the TCLP herbicides analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) (TCLP)
Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4) and PL-C-3W-20240508-0.85-3.2 (460-303610-5) were analyzed for Semivolatile Organic Compounds (GC/MS) (TCLP) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 05/12/2024, prepared on 05/13/2024 and analyzed on 05/14/2024.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates (Phenol-d5 (Surr)) to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: PL-C-1W-20240508-0.75-4.1 (460-303610-2). These results have been reported and qualified.

No other difficulties were encountered during the TCLP semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP PESTICIDES

Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4) and PL-C-3W-20240508-0.85-3.2 (460-303610-5) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 05/12/2024, prepared on 05/13/2024 and analyzed on 05/14/2024.

No difficulties were encountered during the TCLP pesticides analysis.

All quality control parameters were within the acceptance limits.

METALS - TCLP

Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4) and PL-C-3W-20240508-0.85-3.2 (460-303610-5) were analyzed for Metals - TCLP in accordance with EPA SW-846 Method 6020B - TCLP/1311. The samples were leached on 05/12/2024, prepared on 05/14/2024 and analyzed on 05/17/2024.

Nickel exceeded the RPD limit for the duplicate of sample 460-300945-14. Refer to the QC report for details.

No other difficulties were encountered during the TCLP Metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - TCLP

Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4) and PL-C-3W-20240508-0.85-3.2 (460-303610-5) were analyzed for Mercury - TCLP in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/12/2024, and prepared and analyzed on 05/16/2024.

Sample PL-C-5W-20240508-0.75-7.8 (460-303610-3)[3X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

MERCURY - TOTAL

Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4), PL-C-3W-20240508-0.85-3.2 (460-303610-5), PL-C-3S-20240508-6.1-6.7 (460-303610-6), PL-C-1S-20240508-9.7-10.7 (460-303610-8) and PL-C-4S-20240508-6.0-6.6 (460-303610-10) were analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 05/15/2024.

Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1)[1200X], PL-C-1W-20240508-0.75-4.1 (460-303610-2)[1200X], PL-C-5W-20240508-0.75-7.8 (460-303610-3)[1200X], PL-C-2W-20240508-1.7-7.4 (460-303610-4)[1200X], PL-C-3W-20240508-0.85-3.2 (460-303610-5)[1200X], PL-C-3S-20240508-6.1-6.7 (460-303610-6)[400X], PL-C-1S-20240508-9.7-10.7 (460-303610-8)[20X] and PL-C-4S-20240508-6.0-6.6 (460-303610-10)[400X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

D422 GRAIN SIZE
Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4), PL-C-3W-20240508-0.85-3.2 (460-303610-5), PL-C-3S-20240508-6.1-8.6 (460-303610-7), PL-C-1S-20240508-9.7-14.2 (460-303610-9) and PL-C-4S-20240508-6.0-9.8 (460-303610-11) were analyzed for D422 grain size in accordance with D422 grain size. The samples were analyzed on 05/17/2024, 05/20/2024 and 05/23/2024.

No difficulties were encountered during the D422 grain size analysis.

All quality control parameters were within the acceptance limits.

LLOYD KAHN METHOD (TOTAL ORGANIC CARBON)
Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4), PL-C-3W-20240508-0.85-3.2 (460-303610-5), PL-C-3S-20240508-6.1-8.6 (460-303610-7), PL-C-1S-20240508-9.7-14.2 (460-303610-9) and PL-C-4S-20240508-6.0-9.8 (460-303610-11) were analyzed for Lloyd Kahn Method (total organic carbon) in accordance with Lloyd Kahn Method. The samples were analyzed on 05/16/2024.

No difficulties were encountered during the TOC analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4), PL-C-3W-20240508-0.85-3.2 (460-303610-5), PL-C-3S-20240508-6.1-6.7 (460-303610-6), PL-C-3S-20240508-6.1-8.6 (460-303610-7), PL-C-1S-20240508-9.7-10.7 (460-303610-8), PL-C-1S-20240508-9.7-14.2 (460-303610-9), PL-C-4S-20240508-6.0-6.6 (460-303610-10) and PL-C-4S-20240508-6.0-9.8 (460-303610-11) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 05/13/2024.

Percent Moisture exceeded the RPD limit for the duplicate of sample PL-C-4S-20240508-6.0-6.6DU (460-303610-10). Percent Moisture exceeded the RPD limit for the duplicate of sample PL-C-3S-20240508-6.1-6.7DU (460-303610-6). Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

LIQUID LIMIT, PLASTIC LIMIT, AND PLASTICITY INDEX OF SOILS
Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4), PL-C-3W-20240508-0.85-3.2 (460-303610-5), PL-C-3S-20240508-6.1-8.6 (460-303610-7), PL-C-1S-20240508-9.7-14.2 (460-303610-9) and PL-C-4S-20240508-6.0-9.8 (460-303610-11) were analyzed for Liquid Limit, Plastic Limit, and Plasticity Index of Soils in accordance with ASTM Method D4318. The samples were analyzed on 05/17/2024, 05/20/2024 and 05/23/2024.

The following samples are not amenable to Liquid Limits, Plastic Limits, and Plasticity Index determination due to the physical properties of the samples: PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4) and PL-C-3W-20240508-0.85-3.2 (460-303610-5). Values of zero, zero, and NP have been reported respectively for each determination.

No other difficulties were encountered during the Liquid, Plastic Lim analysis.

All other quality control parameters were within the acceptance limits.

SPECIFIC GRAVITY
Samples PL-C-4W-20240508-0.75-3.2 (460-303610-1), PL-C-1W-20240508-0.75-4.1 (460-303610-2), PL-C-5W-20240508-0.75-7.8 (460-303610-3), PL-C-2W-20240508-1.7-7.4 (460-303610-4), PL-C-3W-20240508-0.85-3.2 (460-303610-5), PL-C-3S-20240508-6.1-8.6 (460-303610-7), PL-C-1S-20240508-9.7-14.2 (460-303610-9) and PL-C-4S-20240508-6.0-9.8 (460-303610-11) were analyzed for Specific Gravity in accordance with ASTM D854. The samples were analyzed on 05/17/2024, 05/20/2024 and 05/23/2024.

No difficulties were encountered during the Specific Gravity analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

Client Sample ID: PL-C-4W-20240508-0.75-3.2 — Lab Sample ID: 460-303610-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyridine	6.2	J	10	1.9	ug/L	1		8270E	TCLP
Barium	61		40	9.1	ug/L	10		6020B	TCLP
Lead	35		12	8.4	ug/L	10		6020B	TCLP
Nickel	17	J	40	9.1	ug/L	10		6020B	TCLP
Zinc	480		160	65	ug/L	10		6020B	TCLP
Mercury	3.8		0.20	0.091	ug/L	1		7470A	TCLP
Mercury	440		22	10	mg/Kg	1200	☼	7471B	Total/NA
TOC Result 1	8400		120	60	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	1.0				%	1		D422	Total/NA
Sand	29.8				%	1		D422	Total/NA
Coarse Sand	3.6				%	1		D422	Total/NA
Medium Sand	4.5				%	1		D422	Total/NA
Fine Sand	21.7				%	1		D422	Total/NA
Silt	60.3				%	1		D422	Total/NA
Clay	8.9				%	1		D422	Total/NA
Liquid Limit	0				NONE	1		D4318	Total/NA
Plastic Limit	0				NONE	1		D4318	Total/NA
Plasticity Index	NP				NONE	1		D4318	Total/NA
Specific Gravity	3.19				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	3.19				NONE	1		D854	Total/NA

Client Sample ID: PL-C-1W-20240508-0.75-4.1 — Lab Sample ID: 460-303610-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyridine	11		10	1.9	ug/L	1		8270E	TCLP
Barium	35	J	40	9.1	ug/L	10		6020B	TCLP
Copper	4600		40	25	ug/L	10		6020B	TCLP
Lead	180		12	8.4	ug/L	10		6020B	TCLP
Nickel	36	J	40	9.1	ug/L	10		6020B	TCLP
Mercury	6.7		0.20	0.091	ug/L	1		7470A	TCLP
Mercury	290		21	9.8	mg/Kg	1200	☼	7471B	Total/NA
TOC Result 1	1500		110	55	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.3				%	1		D422	Total/NA
Sand	15.6				%	1		D422	Total/NA
Coarse Sand	1.4				%	1		D422	Total/NA
Medium Sand	1.2				%	1		D422	Total/NA
Fine Sand	13.0				%	1		D422	Total/NA
Silt	76.5				%	1		D422	Total/NA
Clay	7.6				%	1		D422	Total/NA
Liquid Limit	0				NONE	1		D4318	Total/NA
Plastic Limit	0				NONE	1		D4318	Total/NA
Plasticity Index	NP				NONE	1		D4318	Total/NA
Specific Gravity	3.24				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	3.24				NONE	1		D854	Total/NA

Client Sample ID: PL-C-5W-20240508-0.75-7.8 — Lab Sample ID: 460-303610-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyridine	7.3	J	10	1.9	ug/L	1		8270E	TCLP
Barium	25	J	40	9.1	ug/L	10		6020B	TCLP
Copper	26	J	40	25	ug/L	10		6020B	TCLP
Lead	72		12	8.4	ug/L	10		6020B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: PL-C-5W-20240508-0.75-7.8 (Continued) — Lab Sample ID: 460-303610-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	29	J	40	9.1	ug/L	10		6020B	TCLP
Mercury	16		0.60	0.27	ug/L	3		7470A	TCLP
Mercury	520		21	9.8	mg/Kg	1200	☼	7471B	Total/NA
TOC Result 1	5500		110	57	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.7				%	1		D422	Total/NA
Sand	20.8				%	1		D422	Total/NA
Coarse Sand	0.6				%	1		D422	Total/NA
Medium Sand	1.3				%	1		D422	Total/NA
Fine Sand	18.9				%	1		D422	Total/NA
Silt	69.5				%	1		D422	Total/NA
Clay	9.0				%	1		D422	Total/NA
Liquid Limit	0				NONE	1		D4318	Total/NA
Plastic Limit	0				NONE	1		D4318	Total/NA
Plasticity Index	NP				NONE	1		D4318	Total/NA
Specific Gravity	2.57				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.57				NONE	1		D854	Total/NA

Client Sample ID: PL-C-2W-20240508-1.7-7.4 — Lab Sample ID: 460-303610-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyridine	27		10	1.9	ug/L	1		8270E	TCLP
Barium	96		40	9.1	ug/L	10		6020B	TCLP
Lead	14		12	8.4	ug/L	10		6020B	TCLP
Nickel	58		40	9.1	ug/L	10		6020B	TCLP
Mercury	1.7		0.20	0.091	ug/L	1		7470A	TCLP
Mercury	470		21	9.7	mg/Kg	1200	☼	7471B	Total/NA
TOC Result 1	13000		110	54	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	1.4				%	1		D422	Total/NA
Sand	8.6				%	1		D422	Total/NA
Coarse Sand	2.1				%	1		D422	Total/NA
Medium Sand	2.1				%	1		D422	Total/NA
Fine Sand	4.4				%	1		D422	Total/NA
Silt	83.3				%	1		D422	Total/NA
Clay	6.7				%	1		D422	Total/NA
Liquid Limit	0				NONE	1		D4318	Total/NA
Plastic Limit	0				NONE	1		D4318	Total/NA
Plasticity Index	NP				NONE	1		D4318	Total/NA
Specific Gravity	2.99				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.99				NONE	1		D854	Total/NA

Client Sample ID: PL-C-3W-20240508-0.85-3.2 — Lab Sample ID: 460-303610-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyridine	8.7	J	10	1.9	ug/L	1		8270E	TCLP
Barium	20	J	40	9.1	ug/L	10		6020B	TCLP
Lead	67		12	8.4	ug/L	10		6020B	TCLP
Mercury	1.4		0.20	0.091	ug/L	1		7470A	TCLP
Mercury	500		20	9.4	mg/Kg	1200	☼	7471B	Total/NA
TOC Result 1	4500		110	57	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Sand	7.1				%	1		D422	Total/NA
Coarse Sand	0.5				%	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PL-C-3W-20240508-0.85-3.2 (Continued) — Lab Sample ID: 460-303610-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Medium Sand	1.1				%	1		D422	Total/NA
Fine Sand	5.5				%	1		D422	Total/NA
Silt	84.3				%	1		D422	Total/NA
Clay	8.7				%	1		D422	Total/NA
Liquid Limit	0				NONE	1		D4318	Total/NA
Plastic Limit	0				NONE	1		D4318	Total/NA
Plasticity Index	NP				NONE	1		D4318	Total/NA
Specific Gravity	3.34				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	3.34				NONE	1		D854	Total/NA

Client Sample ID: PL-C-3S-20240508-6.1-6.7 — Lab Sample ID: 460-303610-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	100		7.3	3.4	mg/Kg	400	☼	7471B	Total/NA

Client Sample ID: PL-C-3S-20240508-6.1-8.6 — Lab Sample ID: 460-303610-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	8300		100	53	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	42.7				%	1		D422	Total/NA
Sand	30.1				%	1		D422	Total/NA
Coarse Sand	8.4				%	1		D422	Total/NA
Medium Sand	7.6				%	1		D422	Total/NA
Fine Sand	14.1				%	1		D422	Total/NA
Silt	18.4				%	1		D422	Total/NA
Clay	8.8				%	1		D422	Total/NA
Liquid Limit	27				NONE	1		D4318	Total/NA
Plastic Limit	20				NONE	1		D4318	Total/NA
Plasticity Index	7				NONE	1		D4318	Total/NA
Specific Gravity	2.70				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.70				NONE	1		D854	Total/NA

Client Sample ID: PL-C-1S-20240508-9.7-10.7 — Lab Sample ID: 460-303610-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	7.3		0.36	0.17	mg/Kg	20	☼	7471B	Total/NA

Client Sample ID: PL-C-1S-20240508-9.7-14.2 — Lab Sample ID: 460-303610-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	1200		110	56	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	44.8				%	1		D422	Total/NA
Sand	40.3				%	1		D422	Total/NA
Coarse Sand	12.6				%	1		D422	Total/NA
Medium Sand	11.3				%	1		D422	Total/NA
Fine Sand	16.4				%	1		D422	Total/NA
Silt	5.5				%	1		D422	Total/NA
Clay	9.4				%	1		D422	Total/NA
Liquid Limit	39				NONE	1		D4318	Total/NA
Plastic Limit	27				NONE	1		D4318	Total/NA
Plasticity Index	12				NONE	1		D4318	Total/NA
Specific Gravity	2.69				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.69				NONE	1		D854	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

Client Sample ID: PL-C-4S-20240508-6.0-6.6 — Lab Sample ID: 460-303610-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	180		8.5	4.0	mg/Kg	400	☼	7471B	Total/NA

Client Sample ID: PL-C-4S-20240508-6.0-9.8 — Lab Sample ID: 460-303610-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOC Result 1	8800		110	55	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	5.6				%	1		D422	Total/NA
Sand	29.6				%	1		D422	Total/NA
Coarse Sand	3.6				%	1		D422	Total/NA
Medium Sand	6.3				%	1		D422	Total/NA
Fine Sand	19.7				%	1		D422	Total/NA
Silt	55.3				%	1		D422	Total/NA
Clay	9.5				%	1		D422	Total/NA
Liquid Limit	34				NONE	1		D4318	Total/NA
Plastic Limit	24				NONE	1		D4318	Total/NA
Plasticity Index	10				NONE	1		D4318	Total/NA
Specific Gravity	2.74				NONE	1		D854	Total/NA
Specific Gravity at 20 deg Celsius	2.74				NONE	1		D854	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PL-C-4W-20240508-0.75-3.2

Date Collected: 05/08/24 13:05
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-1

Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	2.6	U	10	2.6	ug/L			05/16/24 17:01	10
1,2-Dichloroethane	4.3	U	10	4.3	ug/L			05/16/24 17:01	10
2-Butanone (MEK)	19	U	50	19	ug/L			05/16/24 17:01	10
Benzene	2.0	U	10	2.0	ug/L			05/16/24 17:01	10
Carbon tetrachloride	2.1	U	10	2.1	ug/L			05/16/24 17:01	10
Chlorobenzene	3.8	U	10	3.8	ug/L			05/16/24 17:01	10
Chloroform	3.3	U	10	3.3	ug/L			05/16/24 17:01	10
Tetrachloroethene	2.5	U	10	2.5	ug/L			05/16/24 17:01	10
Trichloroethene	3.1	U	10	3.1	ug/L			05/16/24 17:01	10
Vinyl chloride	1.7	U	10	1.7	ug/L			05/16/24 17:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 128*		*05/16/24 17:01*	*10*
4-Bromofluorobenzene	*85*		*76 - 120*		*05/16/24 17:01*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 132*		*05/16/24 17:01*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/16/24 17:01*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.40	U	10	0.40	ug/L		05/13/24 09:56	05/14/24 00:58	1
2,4,5-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 00:58	1
2,4,6-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 00:58	1
2,4-Dinitrotoluene	1.0	U	10	1.0	ug/L		05/13/24 09:56	05/14/24 00:58	1
2-Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 00:58	1
3 & 4 Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 00:58	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		05/13/24 09:56	05/14/24 00:58	1
Hexachlorobutadiene	0.80	U	2.0	0.80	ug/L		05/13/24 09:56	05/14/24 00:58	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		05/13/24 09:56	05/14/24 00:58	1
Nitrobenzene	0.60	U	1.0	0.60	ug/L		05/13/24 09:56	05/14/24 00:58	1
Pentachlorophenol	1.4	U	30	1.4	ug/L		05/13/24 09:56	05/14/24 00:58	1
Pyridine	**6.2**	**J**	10	1.9	ug/L		05/13/24 09:56	05/14/24 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*37 - 150*	*05/13/24 09:56*	*05/14/24 00:58*	*1*
2-Fluorobiphenyl	*86*		*46 - 139*	*05/13/24 09:56*	*05/14/24 00:58*	*1*
2-Fluorophenol (Surr)	*69*		*16 - 80*	*05/13/24 09:56*	*05/14/24 00:58*	*1*
Nitrobenzene-d5 (Surr)	*94*		*51 - 145*	*05/13/24 09:56*	*05/14/24 00:58*	*1*
Phenol-d5 (Surr)	*52*		*10 - 56*	*05/13/24 09:56*	*05/14/24 00:58*	*1*
Terphenyl-d14 (Surr)	*86*		*13 - 150*	*05/13/24 09:56*	*05/14/24 00:58*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.055	U	5.0	0.055	ug/L		05/13/24 10:43	05/14/24 04:31	1
Endrin	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 04:31	1
gamma-BHC (Lindane)	0.012	U	0.50	0.012	ug/L		05/13/24 10:43	05/14/24 04:31	1
Heptachlor	0.0030	U	0.50	0.0030	ug/L		05/13/24 10:43	05/14/24 04:31	1
Heptachlor epoxide	0.0050	U	0.50	0.0050	ug/L		05/13/24 10:43	05/14/24 04:31	1
Methoxychlor	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 04:31	1
Toxaphene	0.11	U	5.0	0.11	ug/L		05/13/24 10:43	05/14/24 04:31	1

Client Sample ID: PL-C-4W-20240508-0.75-3.2

Date Collected: 05/08/24 13:05
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-1

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*10 - 131*	*05/13/24 10:43*	*05/14/24 04:31*	*1*
DCB Decachlorobiphenyl	*89*		*10 - 131*	*05/13/24 10:43*	*05/14/24 04:31*	*1*
Tetrachloro-m-xylene	*72*		*10 - 150*	*05/13/24 10:43*	*05/14/24 04:31*	*1*
Tetrachloro-m-xylene	*72*		*10 - 150*	*05/13/24 10:43*	*05/14/24 04:31*	*1*

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	5.0	U	83	5.0	ug/L		05/13/24 10:55	05/14/24 07:59	1
Silvex (2,4,5-TP)	4.0	U	83	4.0	ug/L		05/13/24 10:55	05/14/24 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*29*		*10 - 150*	*05/13/24 10:55*	*05/14/24 07:59*	*1*
2,4-Dichlorophenylacetic acid	*29*		*10 - 150*	*05/13/24 10:55*	*05/14/24 07:59*	*1*

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.9	U	20	8.9	ug/L		05/14/24 09:24	05/17/24 12:01	10
Barium	**61**		40	9.1	ug/L		05/14/24 09:24	05/17/24 12:01	10
Cadmium	3.9	U	20	3.9	ug/L		05/14/24 09:24	05/17/24 12:01	10
Chromium	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:01	10
Copper	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:01	10
Lead	**35**		12	8.4	ug/L		05/14/24 09:24	05/17/24 12:01	10
Nickel	**17**	**J**	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:01	10
Selenium	5.9	U	25	5.9	ug/L		05/14/24 09:24	05/17/24 12:01	10
Silver	2.9	U	20	2.9	ug/L		05/14/24 09:24	05/17/24 12:01	10
Zinc	**480**		160	65	ug/L		05/14/24 09:24	05/17/24 12:01	10

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.8**		0.20	0.091	ug/L		05/16/24 14:45	05/16/24 16:37	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	**1.0**				%			05/17/24 16:59	1
Sand	**29.8**				%			05/17/24 16:59	1
Coarse Sand	**3.6**				%			05/17/24 16:59	1
Medium Sand	**4.5**				%			05/17/24 16:59	1
Fine Sand	**21.7**				%			05/17/24 16:59	1
Silt	**60.3**				%			05/17/24 16:59	1
Clay	**8.9**				%			05/17/24 16:59	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	**0**				NONE			05/17/24 15:44	1
Plastic Limit	**0**				NONE			05/17/24 15:44	1
Plasticity Index	**NP**				NONE			05/17/24 15:44	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	**3.19**				NONE			05/17/24 15:45	1
Specific Gravity at 20 deg Celsius	**3.19**				NONE			05/17/24 15:45	1

Client Sample ID: PL-C-4W-20240508-0.75-3.2

Lab Sample ID: 460-303610-1

Date Collected: 05/08/24 13:05
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 85.1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**440**		22	10	mg/Kg	☼	05/15/24 01:59	05/15/24 08:17	1200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	**8400**		120	60	mg/Kg	☼		05/16/24 13:46	1

Client Sample ID: PL-C-1W-20240508-0.75-4.1

Lab Sample ID: 460-303610-2

Date Collected: 05/08/24 12:15
Matrix: Solid
Date Received: 05/09/24 20:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	2.6	U	10	2.6	ug/L			05/16/24 17:26	10
1,2-Dichloroethane	4.3	U	10	4.3	ug/L			05/16/24 17:26	10
2-Butanone (MEK)	19	U	50	19	ug/L			05/16/24 17:26	10
Benzene	2.0	U	10	2.0	ug/L			05/16/24 17:26	10
Carbon tetrachloride	2.1	U	10	2.1	ug/L			05/16/24 17:26	10
Chlorobenzene	3.8	U	10	3.8	ug/L			05/16/24 17:26	10
Chloroform	3.3	U	10	3.3	ug/L			05/16/24 17:26	10
Tetrachloroethene	2.5	U	10	2.5	ug/L			05/16/24 17:26	10
Trichloroethene	3.1	U	10	3.1	ug/L			05/16/24 17:26	10
Vinyl chloride	1.7	U	10	1.7	ug/L			05/16/24 17:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 128*		*05/16/24 17:26*	*10*
4-Bromofluorobenzene	*90*		*76 - 120*		*05/16/24 17:26*	*10*
Dibromofluoromethane (Surr)	*110*		*77 - 132*		*05/16/24 17:26*	*10*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/16/24 17:26*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.40	U	10	0.40	ug/L		05/13/24 09:56	05/14/24 01:19	1
2,4,5-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 01:19	1
2,4,6-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 01:19	1
2,4-Dinitrotoluene	1.0	U	10	1.0	ug/L		05/13/24 09:56	05/14/24 01:19	1
2-Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 01:19	1
3 & 4 Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 01:19	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		05/13/24 09:56	05/14/24 01:19	1
Hexachlorobutadiene	0.80	U	2.0	0.80	ug/L		05/13/24 09:56	05/14/24 01:19	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		05/13/24 09:56	05/14/24 01:19	1
Nitrobenzene	0.60	U	1.0	0.60	ug/L		05/13/24 09:56	05/14/24 01:19	1
Pentachlorophenol	1.4	U	30	1.4	ug/L		05/13/24 09:56	05/14/24 01:19	1
Pyridine	**11**		10	1.9	ug/L		05/13/24 09:56	05/14/24 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*131*		*37 - 150*	*05/13/24 09:56*	*05/14/24 01:19*	*1*
2-Fluorobiphenyl	*98*		*46 - 139*	*05/13/24 09:56*	*05/14/24 01:19*	*1*
2-Fluorophenol (Surr)	*76*		*16 - 80*	*05/13/24 09:56*	*05/14/24 01:19*	*1*
Nitrobenzene-d5 (Surr)	*105*		*51 - 145*	*05/13/24 09:56*	*05/14/24 01:19*	*1*
Phenol-d5 (Surr)	*59*	*S1+*	*10 - 56*	*05/13/24 09:56*	*05/14/24 01:19*	*1*
Terphenyl-d14 (Surr)	*93*		*13 - 150*	*05/13/24 09:56*	*05/14/24 01:19*	*1*

Client Sample ID: PL-C-1W-20240508-0.75-4.1

Date Collected: 05/08/24 12:15
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-2

Matrix: Solid

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.055	U	5.0	0.055	ug/L		05/13/24 10:43	05/14/24 04:43	1
Endrin	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 04:43	1
gamma-BHC (Lindane)	0.012	U	0.50	0.012	ug/L		05/13/24 10:43	05/14/24 04:43	1
Heptachlor	0.0030	U	0.50	0.0030	ug/L		05/13/24 10:43	05/14/24 04:43	1
Heptachlor epoxide	0.0050	U	0.50	0.0050	ug/L		05/13/24 10:43	05/14/24 04:43	1
Methoxychlor	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 04:43	1
Toxaphene	0.11	U	5.0	0.11	ug/L		05/13/24 10:43	05/14/24 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 131*	*05/13/24 10:43*	*05/14/24 04:43*	*1*
DCB Decachlorobiphenyl	*104*		*10 - 131*	*05/13/24 10:43*	*05/14/24 04:43*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*05/13/24 10:43*	*05/14/24 04:43*	*1*
Tetrachloro-m-xylene	*79*		*10 - 150*	*05/13/24 10:43*	*05/14/24 04:43*	*1*

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	5.0	U	83	5.0	ug/L		05/13/24 10:55	05/14/24 08:12	1
Silvex (2,4,5-TP)	4.0	U	83	4.0	ug/L		05/13/24 10:55	05/14/24 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*34*		*10 - 150*	*05/13/24 10:55*	*05/14/24 08:12*	*1*
2,4-Dichlorophenylacetic acid	*34*		*10 - 150*	*05/13/24 10:55*	*05/14/24 08:12*	*1*

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.9	U	20	8.9	ug/L		05/14/24 09:24	05/17/24 12:04	10
Barium	**35**	**J**	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:04	10
Cadmium	3.9	U	20	3.9	ug/L		05/14/24 09:24	05/17/24 12:04	10
Chromium	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:04	10
Copper	**4600**		40	25	ug/L		05/14/24 09:24	05/17/24 12:04	10
Lead	**180**		12	8.4	ug/L		05/14/24 09:24	05/17/24 12:04	10
Nickel	**36**	**J**	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:04	10
Selenium	5.9	U	25	5.9	ug/L		05/14/24 09:24	05/17/24 12:04	10
Silver	2.9	U	20	2.9	ug/L		05/14/24 09:24	05/17/24 12:04	10
Zinc	65	U	160	65	ug/L		05/14/24 09:24	05/17/24 12:04	10

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.7**		0.20	0.091	ug/L		05/16/24 14:45	05/16/24 16:39	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	**0.3**				%			05/20/24 21:07	1
Sand	**15.6**				%			05/20/24 21:07	1
Coarse Sand	**1.4**				%			05/20/24 21:07	1
Medium Sand	**1.2**				%			05/20/24 21:07	1
Fine Sand	**13.0**				%			05/20/24 21:07	1
Silt	**76.5**				%			05/20/24 21:07	1
Clay	**7.6**				%			05/20/24 21:07	1

Client Sample ID: PL-C-1W-20240508-0.75-4.1

Lab Sample ID: 460-303610-2

Date Collected: 05/08/24 12:15
Matrix: Solid
Date Received: 05/09/24 20:00

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	0				NONE			05/20/24 21:05	1
Plastic Limit	0				NONE			05/20/24 21:05	1
Plasticity Index	NP				NONE			05/20/24 21:05	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	3.24				NONE			05/20/24 21:04	1
Specific Gravity at 20 deg Celsius	3.24				NONE			05/20/24 21:04	1

Client Sample ID: PL-C-1W-20240508-0.75-4.1

Lab Sample ID: 460-303610-2

Date Collected: 05/08/24 12:15
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 93.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	290		21	9.8	mg/Kg	☼	05/15/24 01:59	05/15/24 08:19	1200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	1500		110	55	mg/Kg	☼		05/16/24 13:54	1

Client Sample ID: PL-C-5W-20240508-0.75-7.8

Lab Sample ID: 460-303610-3

Date Collected: 05/08/24 11:10
Matrix: Solid
Date Received: 05/09/24 20:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	2.6	U	10	2.6	ug/L			05/16/24 17:51	10
1,2-Dichloroethane	4.3	U	10	4.3	ug/L			05/16/24 17:51	10
2-Butanone (MEK)	19	U	50	19	ug/L			05/16/24 17:51	10
Benzene	2.0	U	10	2.0	ug/L			05/16/24 17:51	10
Carbon tetrachloride	2.1	U	10	2.1	ug/L			05/16/24 17:51	10
Chlorobenzene	3.8	U	10	3.8	ug/L			05/16/24 17:51	10
Chloroform	3.3	U	10	3.3	ug/L			05/16/24 17:51	10
Tetrachloroethene	2.5	U	10	2.5	ug/L			05/16/24 17:51	10
Trichloroethene	3.1	U	10	3.1	ug/L			05/16/24 17:51	10
Vinyl chloride	1.7	U	10	1.7	ug/L			05/16/24 17:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 128*		*05/16/24 17:51*	*10*
4-Bromofluorobenzene	*88*		*76 - 120*		*05/16/24 17:51*	*10*
Dibromofluoromethane (Surr)	*111*		*77 - 132*		*05/16/24 17:51*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/16/24 17:51*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.40	U	10	0.40	ug/L		05/13/24 09:56	05/14/24 01:40	1
2,4,5-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 01:40	1
2,4,6-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 01:40	1
2,4-Dinitrotoluene	1.0	U	10	1.0	ug/L		05/13/24 09:56	05/14/24 01:40	1
2-Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 01:40	1

Client Sample ID: PL-C-5W-20240508-0.75-7.8

Date Collected: 05/08/24 11:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-3

Matrix: Solid

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 01:40	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		05/13/24 09:56	05/14/24 01:40	1
Hexachlorobutadiene	0.80	U	2.0	0.80	ug/L		05/13/24 09:56	05/14/24 01:40	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		05/13/24 09:56	05/14/24 01:40	1
Nitrobenzene	0.60	U	1.0	0.60	ug/L		05/13/24 09:56	05/14/24 01:40	1
Pentachlorophenol	1.4	U	30	1.4	ug/L		05/13/24 09:56	05/14/24 01:40	1
Pyridine	**7.3**	**J**	10	1.9	ug/L		05/13/24 09:56	05/14/24 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*37 - 150*	*05/13/24 09:56*	*05/14/24 01:40*	*1*
2-Fluorobiphenyl	*87*		*46 - 139*	*05/13/24 09:56*	*05/14/24 01:40*	*1*
2-Fluorophenol (Surr)	*64*		*16 - 80*	*05/13/24 09:56*	*05/14/24 01:40*	*1*
Nitrobenzene-d5 (Surr)	*92*		*51 - 145*	*05/13/24 09:56*	*05/14/24 01:40*	*1*
Phenol-d5 (Surr)	*49*		*10 - 56*	*05/13/24 09:56*	*05/14/24 01:40*	*1*
Terphenyl-d14 (Surr)	*82*		*13 - 150*	*05/13/24 09:56*	*05/14/24 01:40*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.055	U	5.0	0.055	ug/L		05/13/24 10:43	05/14/24 04:56	1
Endrin	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 04:56	1
gamma-BHC (Lindane)	0.012	U	0.50	0.012	ug/L		05/13/24 10:43	05/14/24 04:56	1
Heptachlor	0.0030	U	0.50	0.0030	ug/L		05/13/24 10:43	05/14/24 04:56	1
Heptachlor epoxide	0.0050	U	0.50	0.0050	ug/L		05/13/24 10:43	05/14/24 04:56	1
Methoxychlor	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 04:56	1
Toxaphene	0.11	U	5.0	0.11	ug/L		05/13/24 10:43	05/14/24 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 131*	*05/13/24 10:43*	*05/14/24 04:56*	*1*
DCB Decachlorobiphenyl	*97*		*10 - 131*	*05/13/24 10:43*	*05/14/24 04:56*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*05/13/24 10:43*	*05/14/24 04:56*	*1*
Tetrachloro-m-xylene	*78*		*10 - 150*	*05/13/24 10:43*	*05/14/24 04:56*	*1*

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	5.0	U	83	5.0	ug/L		05/13/24 10:55	05/14/24 08:25	1
Silvex (2,4,5-TP)	4.0	U	83	4.0	ug/L		05/13/24 10:55	05/14/24 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*20*		*10 - 150*	*05/13/24 10:55*	*05/14/24 08:25*	*1*
2,4-Dichlorophenylacetic acid	*19*		*10 - 150*	*05/13/24 10:55*	*05/14/24 08:25*	*1*

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.9	U	20	8.9	ug/L		05/14/24 09:24	05/17/24 12:06	10
Barium	**25**	**J**	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:06	10
Cadmium	3.9	U	20	3.9	ug/L		05/14/24 09:24	05/17/24 12:06	10
Chromium	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:06	10
Copper	**26**	**J**	40	25	ug/L		05/14/24 09:24	05/17/24 12:06	10
Lead	**72**		12	8.4	ug/L		05/14/24 09:24	05/17/24 12:06	10
Nickel	**29**	**J**	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:06	10
Selenium	5.9	U	25	5.9	ug/L		05/14/24 09:24	05/17/24 12:06	10

Client Sample ID: PL-C-5W-20240508-0.75-7.8
Lab Sample ID: 460-303610-3
Date Collected: 05/08/24 11:10
Matrix: Solid
Date Received: 05/09/24 20:00

Method: SW846 6020B - Metals (ICP/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.9	U	20	2.9	ug/L		05/14/24 09:24	05/17/24 12:06	10
Zinc	65	U	160	65	ug/L		05/14/24 09:24	05/17/24 12:06	10

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16**		0.60	0.27	ug/L		05/16/24 14:45	05/16/24 17:04	3

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	**0.7**				%			05/20/24 21:14	1
Sand	**20.8**				%			05/20/24 21:14	1
Coarse Sand	**0.6**				%			05/20/24 21:14	1
Medium Sand	**1.3**				%			05/20/24 21:14	1
Fine Sand	**18.9**				%			05/20/24 21:14	1
Silt	**69.5**				%			05/20/24 21:14	1
Clay	**9.0**				%			05/20/24 21:14	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	**0**				NONE			05/20/24 21:05	1
Plastic Limit	**0**				NONE			05/20/24 21:05	1
Plasticity Index	**NP**				NONE			05/20/24 21:05	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	**2.57**				NONE			05/20/24 21:04	1
Specific Gravity at 20 deg Celsius	**2.57**				NONE			05/20/24 21:04	1

Client Sample ID: PL-C-5W-20240508-0.75-7.8
Lab Sample ID: 460-303610-3
Date Collected: 05/08/24 11:10
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 89.3

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**520**		21	9.8	mg/Kg	☼	05/15/24 01:59	05/15/24 08:21	1200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	**5500**		110	57	mg/Kg	☼		05/16/24 14:02	1

Client Sample ID: PL-C-2W-20240508-1.7-7.4
Lab Sample ID: 460-303610-4
Date Collected: 05/08/24 10:10
Matrix: Solid
Date Received: 05/09/24 20:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	2.6	U	10	2.6	ug/L			05/16/24 18:16	10
1,2-Dichloroethane	4.3	U	10	4.3	ug/L			05/16/24 18:16	10
2-Butanone (MEK)	19	U	50	19	ug/L			05/16/24 18:16	10
Benzene	2.0	U	10	2.0	ug/L			05/16/24 18:16	10
Carbon tetrachloride	2.1	U	10	2.1	ug/L			05/16/24 18:16	10
Chlorobenzene	3.8	U	10	3.8	ug/L			05/16/24 18:16	10

Client Sample ID: PL-C-2W-20240508-1.7-7.4

Date Collected: 05/08/24 10:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-4

Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	3.3	U	10	3.3	ug/L			05/16/24 18:16	10
Tetrachloroethene	2.5	U	10	2.5	ug/L			05/16/24 18:16	10
Trichloroethene	3.1	U	10	3.1	ug/L			05/16/24 18:16	10
Vinyl chloride	1.7	U	10	1.7	ug/L			05/16/24 18:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 128*		*05/16/24 18:16*	*10*
4-Bromofluorobenzene	*79*		*76 - 120*		*05/16/24 18:16*	*10*
Dibromofluoromethane (Surr)	*94*		*77 - 132*		*05/16/24 18:16*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/16/24 18:16*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.40	U	10	0.40	ug/L		05/13/24 09:56	05/14/24 02:01	1
2,4,5-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 02:01	1
2,4,6-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 02:01	1
2,4-Dinitrotoluene	1.0	U	10	1.0	ug/L		05/13/24 09:56	05/14/24 02:01	1
2-Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 02:01	1
3 & 4 Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 02:01	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		05/13/24 09:56	05/14/24 02:01	1
Hexachlorobutadiene	0.80	U	2.0	0.80	ug/L		05/13/24 09:56	05/14/24 02:01	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		05/13/24 09:56	05/14/24 02:01	1
Nitrobenzene	0.60	U	1.0	0.60	ug/L		05/13/24 09:56	05/14/24 02:01	1
Pentachlorophenol	1.4	U	30	1.4	ug/L		05/13/24 09:56	05/14/24 02:01	1
Pyridine	**27**		10	1.9	ug/L		05/13/24 09:56	05/14/24 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*37 - 150*	*05/13/24 09:56*	*05/14/24 02:01*	*1*
2-Fluorobiphenyl	*91*		*46 - 139*	*05/13/24 09:56*	*05/14/24 02:01*	*1*
2-Fluorophenol (Surr)	*50*		*16 - 80*	*05/13/24 09:56*	*05/14/24 02:01*	*1*
Nitrobenzene-d5 (Surr)	*95*		*51 - 145*	*05/13/24 09:56*	*05/14/24 02:01*	*1*
Phenol-d5 (Surr)	*34*		*10 - 56*	*05/13/24 09:56*	*05/14/24 02:01*	*1*
Terphenyl-d14 (Surr)	*73*		*13 - 150*	*05/13/24 09:56*	*05/14/24 02:01*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.055	U	5.0	0.055	ug/L		05/13/24 10:43	05/14/24 05:08	1
Endrin	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 05:08	1
gamma-BHC (Lindane)	0.012	U	0.50	0.012	ug/L		05/13/24 10:43	05/14/24 05:08	1
Heptachlor	0.0030	U	0.50	0.0030	ug/L		05/13/24 10:43	05/14/24 05:08	1
Heptachlor epoxide	0.0050	U	0.50	0.0050	ug/L		05/13/24 10:43	05/14/24 05:08	1
Methoxychlor	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 05:08	1
Toxaphene	0.11	U	5.0	0.11	ug/L		05/13/24 10:43	05/14/24 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*10 - 131*	*05/13/24 10:43*	*05/14/24 05:08*	*1*
DCB Decachlorobiphenyl	*95*		*10 - 131*	*05/13/24 10:43*	*05/14/24 05:08*	*1*
Tetrachloro-m-xylene	*71*		*10 - 150*	*05/13/24 10:43*	*05/14/24 05:08*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*05/13/24 10:43*	*05/14/24 05:08*	*1*

Client Sample ID: PL-C-2W-20240508-1.7-7.4

Date Collected: 05/08/24 10:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-4

Matrix: Solid

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	5.0	U	83	5.0	ug/L		05/13/24 10:55	05/14/24 08:39	1
Silvex (2,4,5-TP)	4.0	U	83	4.0	ug/L		05/13/24 10:55	05/14/24 08:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*25*		*10 - 150*	*05/13/24 10:55*	*05/14/24 08:39*	*1*
2,4-Dichlorophenylacetic acid	*25*		*10 - 150*	*05/13/24 10:55*	*05/14/24 08:39*	*1*

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.9	U	20	8.9	ug/L		05/14/24 09:24	05/17/24 12:09	10
Barium	**96**		40	9.1	ug/L		05/14/24 09:24	05/17/24 12:09	10
Cadmium	3.9	U	20	3.9	ug/L		05/14/24 09:24	05/17/24 12:09	10
Chromium	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:09	10
Copper	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:09	10
Lead	**14**		12	8.4	ug/L		05/14/24 09:24	05/17/24 12:09	10
Nickel	**58**		40	9.1	ug/L		05/14/24 09:24	05/17/24 12:09	10
Selenium	5.9	U	25	5.9	ug/L		05/14/24 09:24	05/17/24 12:09	10
Silver	2.9	U	20	2.9	ug/L		05/14/24 09:24	05/17/24 12:09	10
Zinc	65	U	160	65	ug/L		05/14/24 09:24	05/17/24 12:09	10

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.7**		0.20	0.091	ug/L		05/16/24 14:45	05/16/24 16:43	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	**1.4**				%			05/20/24 21:19	1
Sand	**8.6**				%			05/20/24 21:19	1
Coarse Sand	**2.1**				%			05/20/24 21:19	1
Medium Sand	**2.1**				%			05/20/24 21:19	1
Fine Sand	**4.4**				%			05/20/24 21:19	1
Silt	**83.3**				%			05/20/24 21:19	1
Clay	**6.7**				%			05/20/24 21:19	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	**0**				NONE			05/20/24 21:05	1
Plastic Limit	**0**				NONE			05/20/24 21:05	1
Plasticity Index	**NP**				NONE			05/20/24 21:05	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	**2.99**				NONE			05/20/24 21:04	1
Specific Gravity at 20 deg Celsius	**2.99**				NONE			05/20/24 21:04	1

Client Sample ID: PL-C-2W-20240508-1.7-7.4

Lab Sample ID: 460-303610-4

Date Collected: 05/08/24 10:10
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 94.4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**470**		21	9.7	mg/Kg	☼	05/15/24 01:59	05/15/24 08:23	1200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	**13000**		110	54	mg/Kg	☼		05/16/24 14:09	1

Client Sample ID: PL-C-3W-20240508-0.85-3.2

Lab Sample ID: 460-303610-5

Date Collected: 05/08/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	2.6	U	10	2.6	ug/L			05/16/24 18:41	10
1,2-Dichloroethane	4.3	U	10	4.3	ug/L			05/16/24 18:41	10
2-Butanone (MEK)	19	U	50	19	ug/L			05/16/24 18:41	10
Benzene	2.0	U	10	2.0	ug/L			05/16/24 18:41	10
Carbon tetrachloride	2.1	U	10	2.1	ug/L			05/16/24 18:41	10
Chlorobenzene	3.8	U	10	3.8	ug/L			05/16/24 18:41	10
Chloroform	3.3	U	10	3.3	ug/L			05/16/24 18:41	10
Tetrachloroethene	2.5	U	10	2.5	ug/L			05/16/24 18:41	10
Trichloroethene	3.1	U	10	3.1	ug/L			05/16/24 18:41	10
Vinyl chloride	1.7	U	10	1.7	ug/L			05/16/24 18:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 128*		*05/16/24 18:41*	*10*
4-Bromofluorobenzene	*88*		*76 - 120*		*05/16/24 18:41*	*10*
Dibromofluoromethane (Surr)	*107*		*77 - 132*		*05/16/24 18:41*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/16/24 18:41*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.40	U	10	0.40	ug/L		05/13/24 09:56	05/14/24 02:22	1
2,4,5-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 02:22	1
2,4,6-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/14/24 02:22	1
2,4-Dinitrotoluene	1.0	U	10	1.0	ug/L		05/13/24 09:56	05/14/24 02:22	1
2-Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 02:22	1
3 & 4 Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/14/24 02:22	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		05/13/24 09:56	05/14/24 02:22	1
Hexachlorobutadiene	0.80	U	2.0	0.80	ug/L		05/13/24 09:56	05/14/24 02:22	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		05/13/24 09:56	05/14/24 02:22	1
Nitrobenzene	0.60	U	1.0	0.60	ug/L		05/13/24 09:56	05/14/24 02:22	1
Pentachlorophenol	1.4	U	30	1.4	ug/L		05/13/24 09:56	05/14/24 02:22	1
Pyridine	**8.7**	**J**	10	1.9	ug/L		05/13/24 09:56	05/14/24 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*118*		*37 - 150*	*05/13/24 09:56*	*05/14/24 02:22*	*1*
2-Fluorobiphenyl	*96*		*46 - 139*	*05/13/24 09:56*	*05/14/24 02:22*	*1*
2-Fluorophenol (Surr)	*73*		*16 - 80*	*05/13/24 09:56*	*05/14/24 02:22*	*1*
Nitrobenzene-d5 (Surr)	*103*		*51 - 145*	*05/13/24 09:56*	*05/14/24 02:22*	*1*
Phenol-d5 (Surr)	*54*		*10 - 56*	*05/13/24 09:56*	*05/14/24 02:22*	*1*
Terphenyl-d14 (Surr)	*86*		*13 - 150*	*05/13/24 09:56*	*05/14/24 02:22*	*1*

Client Sample ID: PL-C-3W-20240508-0.85-3.2

Date Collected: 05/08/24 08:50
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-5

Matrix: Solid

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.055	U	5.0	0.055	ug/L		05/13/24 10:43	05/14/24 05:20	1
Endrin	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 05:20	1
gamma-BHC (Lindane)	0.012	U	0.50	0.012	ug/L		05/13/24 10:43	05/14/24 05:20	1
Heptachlor	0.0030	U	0.50	0.0030	ug/L		05/13/24 10:43	05/14/24 05:20	1
Heptachlor epoxide	0.0050	U	0.50	0.0050	ug/L		05/13/24 10:43	05/14/24 05:20	1
Methoxychlor	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 05:20	1
Toxaphene	0.11	U	5.0	0.11	ug/L		05/13/24 10:43	05/14/24 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*10 - 131*	*05/13/24 10:43*	*05/14/24 05:20*	*1*
DCB Decachlorobiphenyl	*98*		*10 - 131*	*05/13/24 10:43*	*05/14/24 05:20*	*1*
Tetrachloro-m-xylene	*78*		*10 - 150*	*05/13/24 10:43*	*05/14/24 05:20*	*1*
Tetrachloro-m-xylene	*78*		*10 - 150*	*05/13/24 10:43*	*05/14/24 05:20*	*1*

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	5.0	U	83	5.0	ug/L		05/13/24 10:55	05/14/24 08:52	1
Silvex (2,4,5-TP)	4.0	U	83	4.0	ug/L		05/13/24 10:55	05/14/24 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*27*		*10 - 150*	*05/13/24 10:55*	*05/14/24 08:52*	*1*
2,4-Dichlorophenylacetic acid	*26*		*10 - 150*	*05/13/24 10:55*	*05/14/24 08:52*	*1*

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.9	U	20	8.9	ug/L		05/14/24 09:24	05/17/24 12:11	10
Barium	**20**	**J**	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:11	10
Cadmium	3.9	U	20	3.9	ug/L		05/14/24 09:24	05/17/24 12:11	10
Chromium	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:11	10
Copper	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:11	10
Lead	**67**		12	8.4	ug/L		05/14/24 09:24	05/17/24 12:11	10
Nickel	9.1	U	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:11	10
Selenium	5.9	U	25	5.9	ug/L		05/14/24 09:24	05/17/24 12:11	10
Silver	2.9	U	20	2.9	ug/L		05/14/24 09:24	05/17/24 12:11	10
Zinc	65	U	160	65	ug/L		05/14/24 09:24	05/17/24 12:11	10

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.4**		0.20	0.091	ug/L		05/16/24 14:45	05/16/24 16:45	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	**0.0**				%			05/20/24 21:25	1
Sand	**7.1**				%			05/20/24 21:25	1
Coarse Sand	**0.5**				%			05/20/24 21:25	1
Medium Sand	**1.1**				%			05/20/24 21:25	1
Fine Sand	**5.5**				%			05/20/24 21:25	1
Silt	**84.3**				%			05/20/24 21:25	1
Clay	**8.7**				%			05/20/24 21:25	1

Client Sample ID: PL-C-3W-20240508-0.85-3.2

Lab Sample ID: 460-303610-5

Date Collected: 05/08/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	0				NONE			05/20/24 21:05	1
Plastic Limit	0				NONE			05/20/24 21:05	1
Plasticity Index	NP				NONE			05/20/24 21:05	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	3.34				NONE			05/20/24 21:04	1
Specific Gravity at 20 deg Celsius	3.34				NONE			05/20/24 21:04	1

Client Sample ID: PL-C-3W-20240508-0.85-3.2

Lab Sample ID: 460-303610-5

Date Collected: 05/08/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 90.3

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	500		20	9.4	mg/Kg	☼	05/15/24 01:59	05/15/24 08:29	1200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	4500		110	57	mg/Kg	☼		05/16/24 14:22	1

Client Sample ID: PL-C-3S-20240508-6.1-6.7

Lab Sample ID: 460-303610-6

Date Collected: 05/08/24 09:10
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 89.3

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	100		7.3	3.4	mg/Kg	☼	05/15/24 01:59	05/15/24 08:30	400

Client Sample ID: PL-C-3S-20240508-6.1-8.6

Lab Sample ID: 460-303610-7

Date Collected: 05/08/24 09:10
Matrix: Solid
Date Received: 05/09/24 20:00

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	42.7				%			05/20/24 21:30	1
Sand	30.1				%			05/20/24 21:30	1
Coarse Sand	8.4				%			05/20/24 21:30	1
Medium Sand	7.6				%			05/20/24 21:30	1
Fine Sand	14.1				%			05/20/24 21:30	1
Silt	18.4				%			05/20/24 21:30	1
Clay	8.8				%			05/20/24 21:30	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	27				NONE			05/20/24 21:05	1
Plastic Limit	20				NONE			05/20/24 21:05	1
Plasticity Index	7				NONE			05/20/24 21:05	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	2.70				NONE			05/20/24 21:04	1

Client Sample ID: PL-C-3S-20240508-6.1-8.6

Lab Sample ID: 460-303610-7

Date Collected: 05/08/24 09:10
Matrix: Solid
Date Received: 05/09/24 20:00

Method: ASTM D854 - Specific Gravity (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity at 20 deg Celsius	2.70				NONE			05/20/24 21:04	1

Client Sample ID: PL-C-3S-20240508-6.1-8.6

Lab Sample ID: 460-303610-7

Date Collected: 05/08/24 09:10
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 96.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	8300		100	53	mg/Kg	☼		05/16/24 14:30	1

Client Sample ID: PL-C-1S-20240508-9.7-10.7

Lab Sample ID: 460-303610-8

Date Collected: 05/08/24 12:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 88.0

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	7.3		0.36	0.17	mg/Kg	☼	05/15/24 01:59	05/15/24 08:32	20

Client Sample ID: PL-C-1S-20240508-9.7-14.2

Lab Sample ID: 460-303610-9

Date Collected: 05/08/24 12:20
Matrix: Solid
Date Received: 05/09/24 20:00

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	44.8				%			05/20/24 21:37	1
Sand	40.3				%			05/20/24 21:37	1
Coarse Sand	12.6				%			05/20/24 21:37	1
Medium Sand	11.3				%			05/20/24 21:37	1
Fine Sand	16.4				%			05/20/24 21:37	1
Silt	5.5				%			05/20/24 21:37	1
Clay	9.4				%			05/20/24 21:37	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	39				NONE			05/20/24 21:05	1
Plastic Limit	27				NONE			05/20/24 21:05	1
Plasticity Index	12				NONE			05/20/24 21:05	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	2.69				NONE			05/20/24 21:04	1
Specific Gravity at 20 deg Celsius	2.69				NONE			05/20/24 21:04	1

Client Sample ID: PL-C-1S-20240508-9.7-14.2

Lab Sample ID: 460-303610-9

Date Collected: 05/08/24 12:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 91.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	1200		110	56	mg/Kg	☼		05/16/24 14:38	1

Client Sample ID: PL-C-4S-20240508-6.0-6.6

Lab Sample ID: 460-303610-10
Date Collected: 05/08/24 13:00
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 71.6

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	180		8.5	4.0	mg/Kg	☼	05/15/24 01:59	05/15/24 07:38	400

Client Sample ID: PL-C-4S-20240508-6.0-9.8

Lab Sample ID: 460-303610-11
Date Collected: 05/08/24 13:00
Matrix: Solid
Date Received: 05/09/24 20:00

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	5.6				%			05/23/24 20:08	1
Sand	29.6				%			05/23/24 20:08	1
Coarse Sand	3.6				%			05/23/24 20:08	1
Medium Sand	6.3				%			05/23/24 20:08	1
Fine Sand	19.7				%			05/23/24 20:08	1
Silt	55.3				%			05/23/24 20:08	1
Clay	9.5				%			05/23/24 20:08	1

Method: ASTM D4318 - Liquid Limit, Plastic Limit and Plasticity Index of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	34				NONE			05/23/24 20:04	1
Plastic Limit	24				NONE			05/23/24 20:04	1
Plasticity Index	10				NONE			05/23/24 20:04	1

Method: ASTM D854 - Specific Gravity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	2.74				NONE			05/23/24 20:05	1
Specific Gravity at 20 deg Celsius	2.74				NONE			05/23/24 20:05	1

Client Sample ID: PL-C-4S-20240508-6.0-9.8

Lab Sample ID: 460-303610-11
Date Collected: 05/08/24 13:00
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 93.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1 (EPA Lloyd Kahn)	8800		110	55	mg/Kg	☼		05/16/24 14:46	1

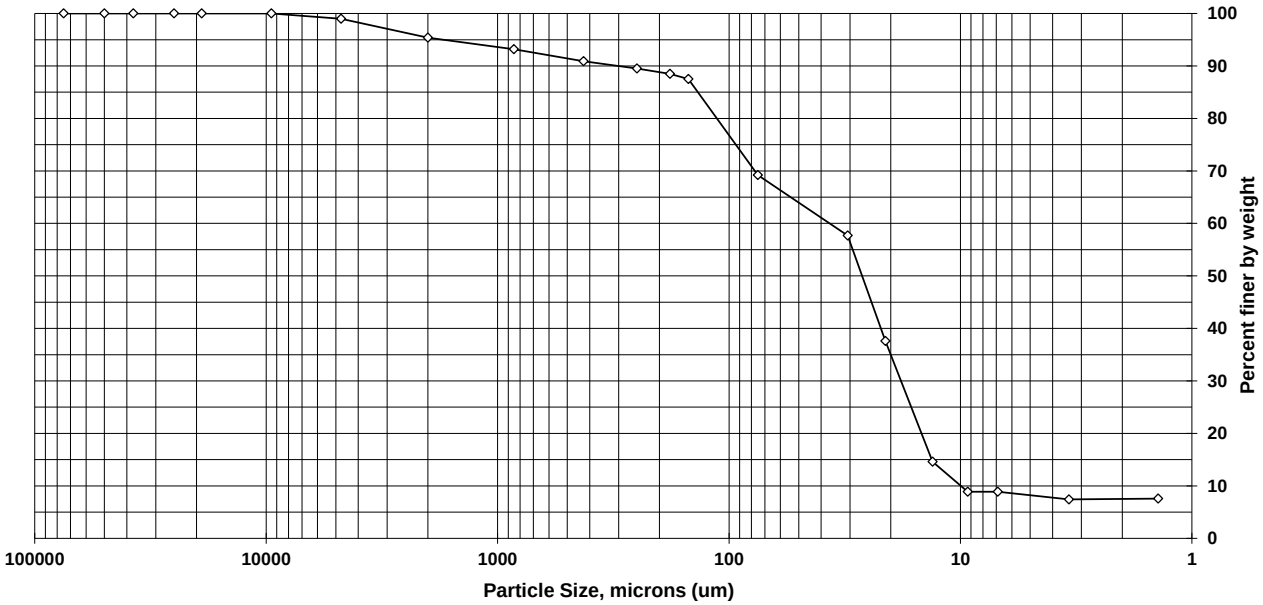
Particle Size of Soils by ASTM D422

				Date Received:	5/9/2024
Sample ID:	PL-C-4W-20240508-0.7	**Percent Solids:**	59.7%	**Start Date:**	5/17/2024
Lab ID:	460-303610-F-1	**Specific Gravity:**	2.650	**End Date:**	5/31/2024

Shape (> #10): subangular

Non-soil material: na

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.0	1.0
#10	2000	95.4	3.6
#20	850	93.2	2.2
#40	425	90.9	2.3
#60	250	89.5	1.4
#80	180	88.5	1.0
#100	150	87.5	1.0
#200	75	69.2	18.3
Hyd1	30.7	57.7	11.5
Hyd2	21.1	37.6	20.1
Hyd3	13.2	14.6	23.0
Hyd4	9.3	8.9	5.7
Hyd5	6.9	8.9	0.0
Hyd6	3.4	7.4	1.4
Hyd7	1.4	7.6	-0.1

Soil Classification	Percent of sample
Gravel	1.0
Sand	29.8
Coarse Sand	3.6
Medium Sand	4.5
Fine Sand	21.7
Silt	60.3
Clay	8.9

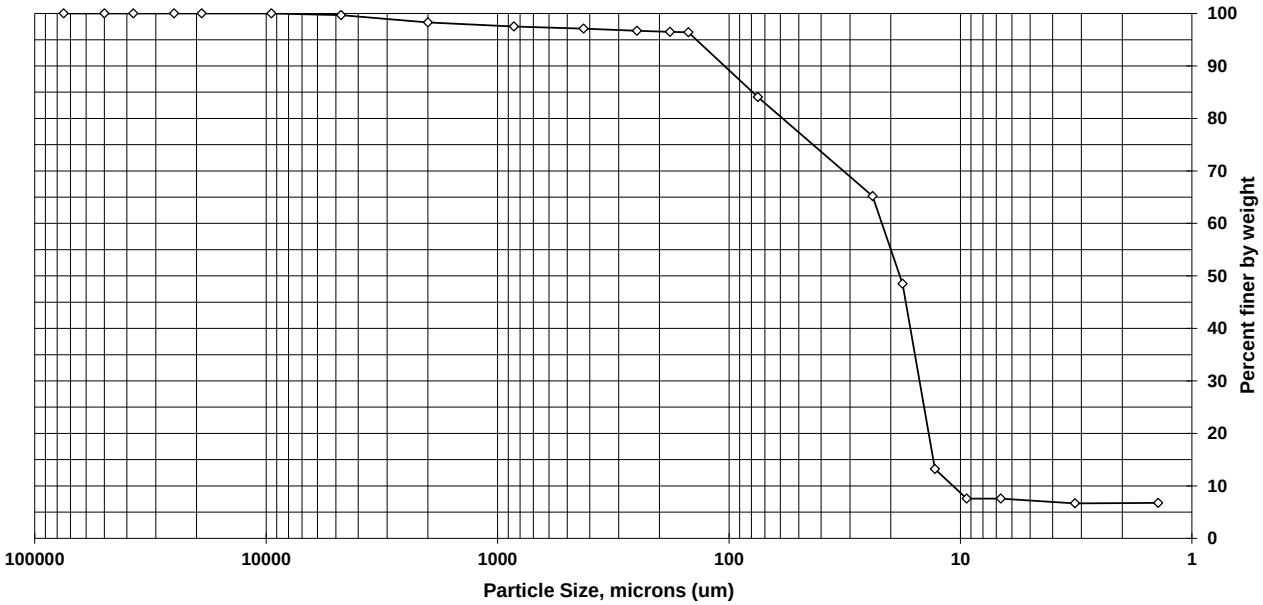
Particle Size of Soils by ASTM D422

				Date Received:	5/9/2024
Sample ID:	PL-C-1W-20240508-0.7	**Percent Solids:**	59.0%	**Start Date:**	5/20/2024
Lab ID:	460-303610-H-2	**Specific Gravity:**	2.650	**End Date:**	6/1/2024

Shape (> #10): angular

Non-soil material: na

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.7	0.3
#10	2000	98.3	1.4
#20	850	97.5	0.8
#40	425	97.1	0.4
#60	250	96.7	0.4
#80	180	96.5	0.2
#100	150	96.4	0.1
#200	75	84.1	12.3
Hyd1	24	65.2	18.9
Hyd2	17.8	48.5	16.7
Hyd3	12.9	13.2	35.3
Hyd4	9.4	7.6	5.6
Hyd5	6.7	7.6	0.0
Hyd6	3.2	6.7	0.9
Hyd7	1.4	6.8	-0.1

Soil Classification	Percent of sample
Gravel	0.3
Sand	15.6
Coarse Sand	1.4
Medium Sand	1.2
Fine Sand	13.0
Silt	76.5
Clay	7.6

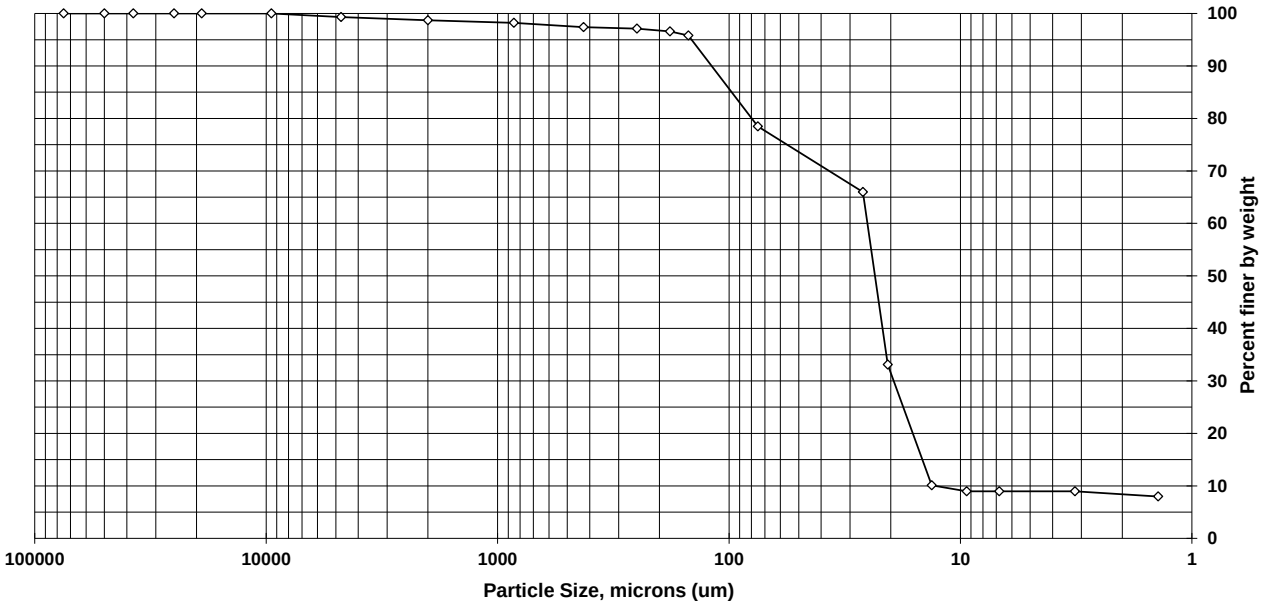
Particle Size of Soils by ASTM D422

				Date Received:	5/9/2024
Sample ID:	PL-C-5W-20240508-0.7	**Percent Solids:**	56.4%	**Start Date:**	5/20/2024
Lab ID:	460-303610-G-3	**Specific Gravity:**	2.650	**End Date:**	6/1/2024

Shape (> #10): angular

Non-soil material: na

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.3	0.7
#10	2000	98.7	0.6
#20	850	98.2	0.5
#40	425	97.4	0.8
#60	250	97.1	0.3
#80	180	96.6	0.5
#100	150	95.8	0.8
#200	75	78.5	17.3
Hyd1	26.4	66.0	12.5
Hyd2	20.6	33.1	32.9
Hyd3	13.3	10.1	23.0
Hyd4	9.4	9.0	1.1
Hyd5	6.8	9.0	0.0
Hyd6	3.2	9.0	0.0
Hyd7	1.4	8.0	1.0

Soil Classification	Percent of sample
Gravel	0.7
Sand	20.8
Coarse Sand	0.6
Medium Sand	1.3
Fine Sand	18.9
Silt	69.5
Clay	9.0

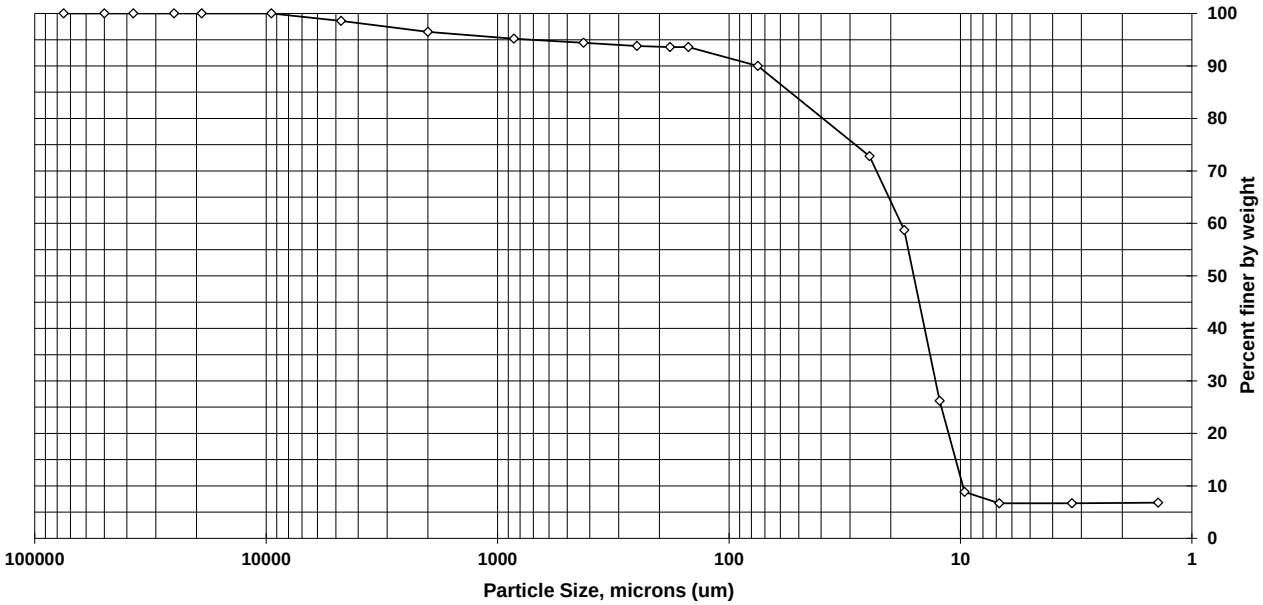
Particle Size of Soils by ASTM D422

				Date Received:	5/9/2024
Sample ID:	PL-C-2W-20240508-1.7	**Percent Solids:**	64.1%	**Start Date:**	5/20/2024
Lab ID:	460-303610-F-4	**Specific Gravity:**	2.650	**End Date:**	6/1/2024

Shape (> #10): angular

Non-soil material: na

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	98.6	1.4
#10	2000	96.5	2.1
#20	850	95.2	1.3
#40	425	94.4	0.8
#60	250	93.8	0.6
#80	180	93.6	0.2
#100	150	93.6	0.0
#200	75	90.0	3.6
Hyd1	24.7	72.8	17.2
Hyd2	17.5	58.7	14.1
Hyd3	12.3	26.2	32.5
Hyd4	9.6	8.9	17.4
Hyd5	6.8	6.7	2.2
Hyd6	3.3	6.7	0.0
Hyd7	1.4	6.8	-0.1

Soil Classification	Percent of sample
Gravel	1.4
Sand	8.6
Coarse Sand	2.1
Medium Sand	2.1
Fine Sand	4.4
Silt	83.3
Clay	6.7

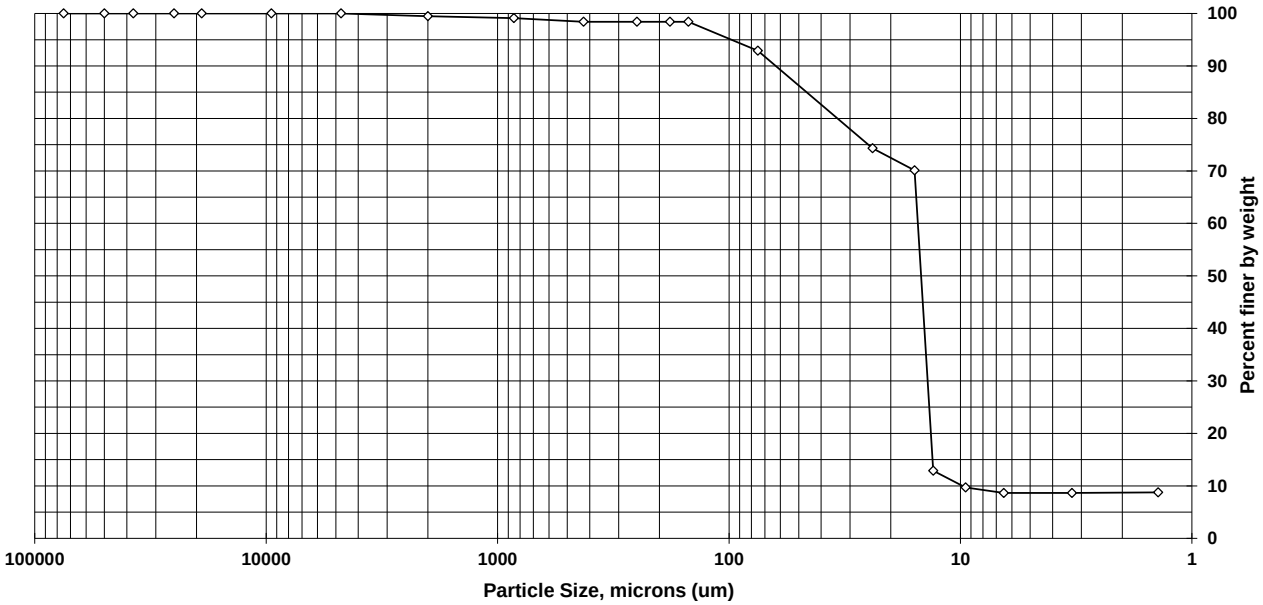
Particle Size of Soils by ASTM D422

				Date Received:	5/9/2024
Sample ID:	PL-C-3W-20240508-0.8	**Percent Solids:**	58.4%	**Start Date:**	5/20/2024
Lab ID:	460-303610-F-5	**Specific Gravity:**	2.650	**End Date:**	6/1/2024

Shape (> #10): angular

Non-soil material: na

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.5	0.5
#20	850	99.1	0.4
#40	425	98.4	0.7
#60	250	98.4	0.0
#80	180	98.4	0.0
#100	150	98.4	0.0
#200	75	92.9	5.5
Hyd1	24	74.3	18.6
Hyd2	15.8	70.1	4.2
Hyd3	13.1	12.9	57.2
Hyd4	9.5	9.7	3.2
Hyd5	6.5	8.7	1.1
Hyd6	3.3	8.7	0.0
Hyd7	1.4	8.8	-0.1

Soil Classification	Percent of sample
Gravel	0.0
Sand	7.1
Coarse Sand	0.5
Medium Sand	1.1
Fine Sand	5.5
Silt	84.3
Clay	8.7

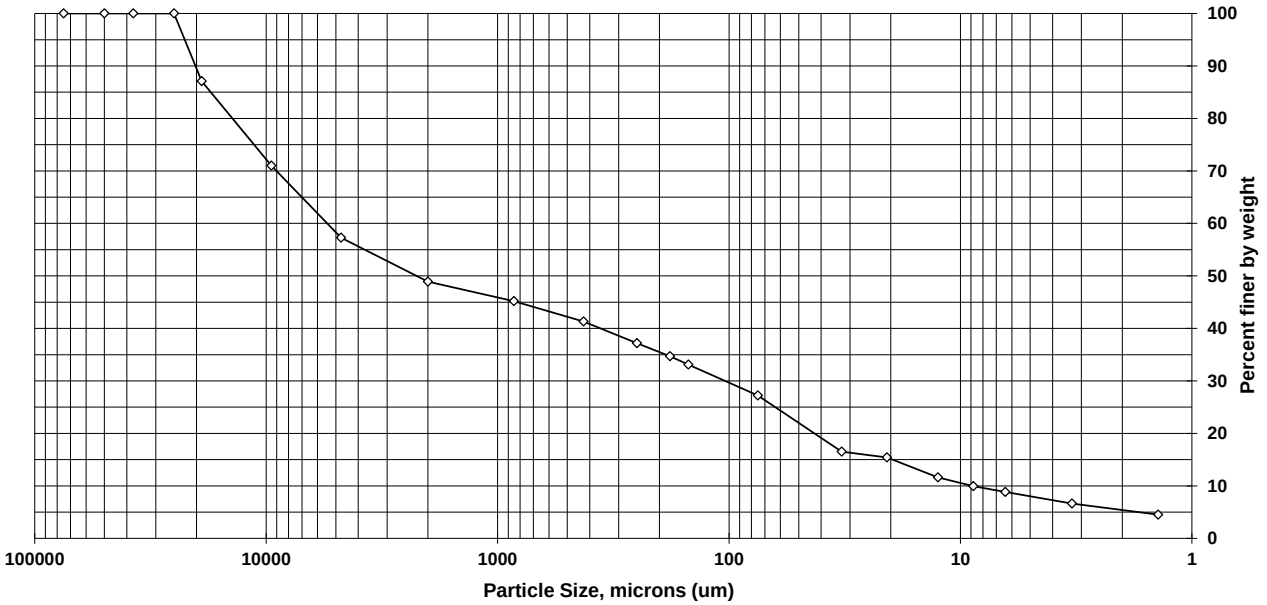
Particle Size of Soils by ASTM D422

				Date Received:	5/9/2024
Sample ID:	PL-C-3S-20240508-6.1	**Percent Solids:**	88.0%	**Start Date:**	5/20/2024
Lab ID:	460-303610-C-7	**Specific Gravity:**	2.650	**End Date:**	6/1/2024

Shape (> #10): subrounded

Non-soil material: na

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	87.1	12.9
3/8 inch	9500	71.0	16.1
#4	4750	57.3	13.7
#10	2000	48.9	8.4
#20	850	45.2	3.7
#40	425	41.3	3.9
#60	250	37.2	4.1
#80	180	34.7	2.5
#100	150	33.1	1.6
#200	75	27.2	5.9
Hyd1	32.6	16.5	10.7
Hyd2	20.8	15.4	1.1
Hyd3	12.5	11.6	3.8
Hyd4	8.8	9.9	1.7
Hyd5	6.4	8.8	1.1
Hyd6	3.3	6.7	2.2
Hyd7	1.4	4.5	2.1

Soil Classification	Percent of sample
Gravel	42.7
Sand	30.1
Coarse Sand	8.4
Medium Sand	7.6
Fine Sand	14.1
Silt	18.4
Clay	8.8

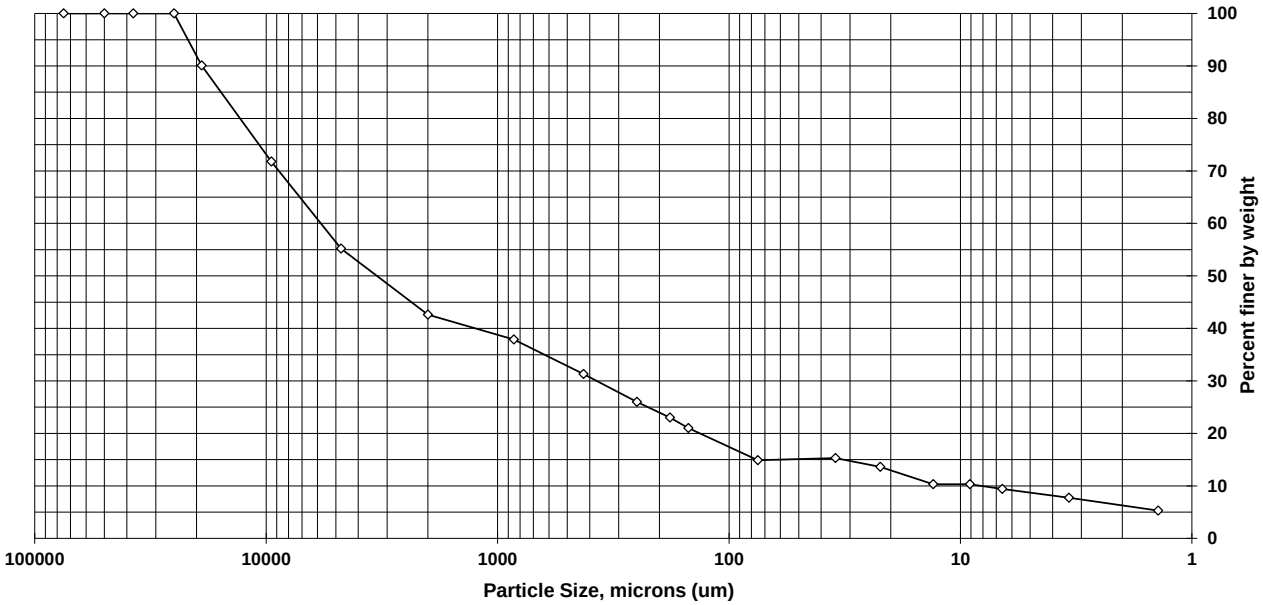
Particle Size of Soils by ASTM D422

				Date Received:	5/9/2024
Sample ID:	PL-C-1S-20240508-9.7	**Percent Solids:**	76.7%	**Start Date:**	5/20/2024
Lab ID:	460-303610-E-9	**Specific Gravity:**	2.650	**End Date:**	6/1/2024

Shape (> #10): subrounded

Non-soil material: na

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	90.1	9.9
3/8 inch	9500	71.8	18.3
#4	4750	55.2	16.6
#10	2000	42.6	12.6
#20	850	37.9	4.7
#40	425	31.3	6.6
#60	250	26.0	5.3
#80	180	23.0	3.0
#100	150	21.0	2.0
#200	75	14.9	6.1
Hyd1	34.7	15.3	-0.4
Hyd2	22.2	13.6	1.7
Hyd3	13.1	10.3	3.3
Hyd4	9.1	10.3	0.0
Hyd5	6.6	9.4	0.9
Hyd6	3.4	7.7	1.7
Hyd7	1.4	5.3	2.4

Soil Classification	Percent of sample
Gravel	44.8
Sand	40.3
Coarse Sand	12.6
Medium Sand	11.3
Fine Sand	16.4
Silt	5.5
Clay	9.4

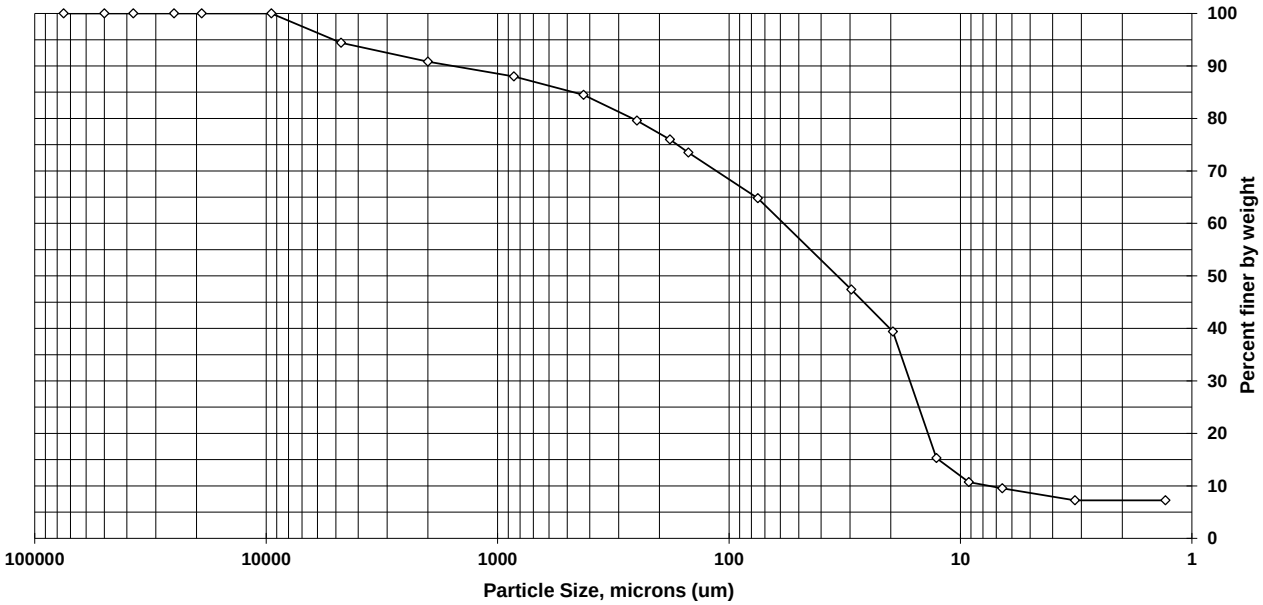
Particle Size of Soils by ASTM D422

				Date Received:	5/9/2024
Sample ID:	PL-C-4S-20240508-6.0	**Percent Solids:**	79.3%	**Start Date:**	5/23/2024
Lab ID:	460-303610-C-11	**Specific Gravity:**	2.650	**End Date:**	6/3/2024

Shape (> #10): SUBROUNDED

Non-soil material: STICKS

Hardness (> #10): HARD



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	94.4	5.6
#10	2000	90.8	3.6
#20	850	88.0	2.8
#40	425	84.5	3.5
#60	250	79.6	4.9
#80	180	76.0	3.6
#100	150	73.5	2.5
#200	75	64.8	8.7
Hyd1	29.6	47.4	17.4
Hyd2	19.6	39.4	8.0
Hyd3	12.7	15.3	24.1
Hyd4	9.2	10.7	4.6
Hyd5	6.6	9.5	1.2
Hyd6	3.2	7.2	2.3
Hyd7	1.3	7.2	0.0

Soil Classification	Percent of sample
Gravel	5.6
Sand	29.6
Coarse Sand	3.6
Medium Sand	6.3
Fine Sand	19.7
Silt	55.3
Clay	9.5

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-4W-20240508-0.7
Lab Sample ID	460-303610-F-1

Date Received	5/9/2024
Start Date	05/17/2024 16:59
End Date	05/31/2024 14:11

Dry Weight Determination

Tin Weight	1.00	g
Wet Sample + Tin	16.68	g
Dry Sample + Tin	10.36	g
% Moisture	40.31	%

Non-soil material:	na
Shape (> #10):	subangular
Hardness (> #10):	hard

Date/Time in oven	05/17/2024 17:01
Date/Time out of oven	05/20/2024 17:36

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	47.82	141.49	93.67
Sample Weight (Oven Dried)			55.9

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			2.59
Sample <#10			53.3
% Passing #10			56.9

Hydrometer Data

Serial Number	659854
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0035
High Temp (C)	23.0
Reading at High Temp	1.0025
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500			0.00	g	100.0	Gravel	
#4	4750	487.80	488.37	0.57	g	99.0	Gravel	
#10	2000	462.28	464.30	2.02	g	95.4	Sand	Coarse
#20	850	371.82	373.06	1.24	g	93.2	Sand	Medium
#40	425	353.14	354.45	1.31	g	90.9	Sand	Medium
#60	250	351.13	351.92	0.79	g	89.5	Sand	Fine
#80	180	318.25	318.81	0.56	g	88.5	Sand	Fine
#100	150	327.34	327.90	0.56	g	87.5	Sand	Fine
#200	75	313.21	323.42	10.21	g	69.2	Sand	Fine
				0.00	g	69.2		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	55.9

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0230	20.5	30.7	57.7	Silt	
5	5	1.0160	20.5	21.1	37.6	Silt	
15	15	1.0080	20.5	13.2	14.6	Silt	
30	31	1.0060	20.5	9.3	8.86	Silt	
60	57	1.0060	20.5	6.9	8.86	Silt	
250	235	1.0055	20.5	3.4	7.42	Clay	
1440	1382	1.0055	20.8	1.4	7.57	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-1W-20240508-0.7
Lab Sample ID	460-303610-H-2

Date Received	5/9/2024
Start Date	05/20/2024 21:07
End Date	06/01/2024 7:35

Dry Weight Determination

Tin Weight	1.01	g
Wet Sample + Tin	20.38	g
Dry Sample + Tin	12.44	g
% Moisture	40.99	%

Non-soil material:	na
Shape (> #10):	angular
Hardness (> #10):	hard

Date/Time in oven	05/20/2024 21:09
Date/Time out of oven	05/21/2024 14:48

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.65	191.05	146.4
Sample Weight (Oven Dried)			86.4

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			1.42
Sample <#10			85
% Passing #10			58.1

Hydrometer Data

Serial Number	659854
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0035
High Temp (C)	23.0
Reading at High Temp	1.0025
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500			0.00	g	100.0	Gravel	
#4	4750	487.80	488.03	0.23	g	99.7	Gravel	
#10	2000	462.28	463.47	1.19	g	98.3	Sand	Coarse
#20	850	376.15	376.88	0.73	g	97.5	Sand	Medium
#40	425	365.11	365.46	0.35	g	97.1	Sand	Medium
#60	250	347.28	347.61	0.33	g	96.7	Sand	Fine
#80	180	334.84	335.00	0.16	g	96.5	Sand	Fine
#100	150	326.85	326.91	0.06	g	96.4	Sand	Fine
#200	75	311.84	322.47	10.63	g	84.1	Sand	Fine
				0.00	g	84.1		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	86.4

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0380	20.5	24	65.2	Silt	
5	5	1.0290	20.5	17.8	48.5	Silt	
15	15	1.0100	20.5	12.9	13.2	Silt	
30	30	1.0070	20.5	9.4	7.59	Silt	
60	59	1.0070	20.5	6.7	7.59	Silt	
250	256	1.0065	20.5	3.2	6.66	Clay	
1440	1440	1.0065	20.8	1.4	6.75	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-5W-20240508-0.7
Lab Sample ID	460-303610-G-3

Date Received	5/9/2024
Start Date	05/20/2024 21:14
End Date	06/01/2024 7:41

Dry Weight Determination

Tin Weight	1.00	g
Wet Sample + Tin	19.03	g
Dry Sample + Tin	11.16	g
% Moisture	43.65	%

Non-soil material:	na
Shape (> #10):	angular
Hardness (> #10):	hard

Date/Time in oven	05/20/2024 21:16
Date/Time out of oven	05/21/2024 14:49

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.79	174.73	129.94
Sample Weight (Oven Dried)			73.2

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			0.99
Sample <#10			72.2
% Passing #10			55.6

Hydrometer Data

Serial Number	659854
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0035
High Temp (C)	23.0
Reading at High Temp	1.0025
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500			0.00	g	100.0	Gravel	
#4	4750	487.80	488.32	0.52	g	99.3	Gravel	
#10	2000	462.28	462.75	0.47	g	98.7	Sand	Coarse
#20	850	371.82	372.18	0.36	g	98.2	Sand	Medium
#40	425	353.14	353.70	0.56	g	97.4	Sand	Medium
#60	250	351.13	351.37	0.24	g	97.1	Sand	Fine
#80	180	318.25	318.60	0.35	g	96.6	Sand	Fine
#100	150	327.34	327.92	0.58	g	95.8	Sand	Fine
#200	75	313.21	325.85	12.64	g	78.5	Sand	Fine
				0.00	g	78.5		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	73.2

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0330	20.5	26.4	66	Silt	
5	5	1.0180	20.5	20.6	33.1	Silt	
15	15	1.0075	20.5	13.3	10.1	Silt	
30	30	1.0070	20.5	9.4	8.96	Silt	
60	58	1.0070	20.5	6.8	8.96	Silt	
250	256	1.0070	20.5	3.2	8.96	Clay	
1440	1440	1.0065	20.8	1.4	7.97	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-2W-20240508-1.7
Lab Sample ID	460-303610-F-4

Date Received	5/9/2024
Start Date	05/20/2024 21:19
End Date	06/01/2024 7:45

Dry Weight Determination

Tin Weight	0.99	g
Wet Sample + Tin	24.55	g
Dry Sample + Tin	16.10	g
% Moisture	35.87	%

Non-soil material:	na
Shape (> #10):	angular
Hardness (> #10):	hard

Date/Time in oven	05/20/2024 21:21
Date/Time out of oven	05/21/2024 14:50

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	47.83	163.35	115.52
Sample Weight (Oven Dried)			74.1

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			2.58
Sample <#10			71.5
% Passing #10			61.9

Hydrometer Data

Serial Number	659854
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0035
High Temp (C)	23.0
Reading at High Temp	1.0025
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500			0.00	g	100.0	Gravel	
#4	4750	487.80	488.83	1.03	g	98.6	Gravel	
#10	2000	462.28	463.83	1.55	g	96.5	Sand	Coarse
#20	850	376.15	377.14	0.99	g	95.2	Sand	Medium
#40	425	365.11	365.70	0.59	g	94.4	Sand	Medium
#60	250	347.28	347.74	0.46	g	93.8	Sand	Fine
#80	180	334.84	335.02	0.18	g	93.6	Sand	Fine
#100	150	326.85	326.76	0.00	g	93.6	Sand	Fine
#200	75	311.84	314.49	2.65	g	90.0	Sand	Fine
				0.00	g	90.0		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	74.1

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0365	20.5	24.7	72.8	Silt	
5	5	1.0300	20.5	17.5	58.7	Silt	
15	15	1.0150	20.5	12.3	26.2	Silt	
30	29	1.0070	20.5	9.6	8.85	Silt	
60	58	1.0060	20.5	6.8	6.68	Silt	
250	250	1.0060	20.5	3.3	6.68	Clay	
1440	1434	1.0060	20.8	1.4	6.79	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-3W-20240508-0.8
Lab Sample ID	460-303610-F-5

Date Received	5/9/2024
Start Date	05/20/2024 21:25
End Date	06/01/2024 7:51

Dry Weight Determination

Tin Weight	0.99	g
Wet Sample + Tin	18.78	g
Dry Sample + Tin	11.37	g
% Moisture	41.65	%

Non-soil material:	na
Shape (> #10):	angular
Hardness (> #10):	hard

Date/Time in oven	05/20/2024 21:27
Date/Time out of oven	05/21/2024 14:50

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.11	173.94	129.83
Sample Weight (Oven Dried)			75.8

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			0.35
Sample <#10			75.5
% Passing #10			58.2

Hydrometer Data

Serial Number	659854
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0035
High Temp (C)	23.0
Reading at High Temp	1.0025
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500			0.00	g	100.0	Gravel	
#4	4750			0.00	g	100.0	Gravel	
#10	2000	462.28	462.63	0.35	g	99.5	Sand	Coarse
#20	850	371.82	372.15	0.33	g	99.1	Sand	Medium
#40	425	353.14	353.65	0.51	g	98.4	Sand	Medium
#60	250	351.13	351.14	0.01	g	98.4	Sand	Fine
#80	180	318.25	318.26	0.01	g	98.4	Sand	Fine
#100	150	327.34	327.35	0.01	g	98.4	Sand	Fine
#200	75	313.21	317.40	4.19	g	92.9	Sand	Fine
				0.00	g	92.9		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	75.8

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0380	20.5	24	74.3	Silt	
5	5	1.0360	20.5	15.8	70.1	Silt	
15	15	1.0090	20.5	13.1	12.9	Silt	
30	29	1.0075	20.5	9.5	9.71	Silt	
60	63	1.0070	20.5	6.5	8.65	Silt	
250	250	1.0070	20.5	3.3	8.65	Clay	
1440	1434	1.0070	20.8	1.4	8.76	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-3S-20240508-6.1
Lab Sample ID	460-303610-C-7

Date Received	5/9/2024
Start Date	05/20/2024 21:30
End Date	06/01/2024 7:56

Dry Weight Determination

Tin Weight	1.00	g
Wet Sample + Tin	25.90	g
Dry Sample + Tin	22.92	g
% Moisture	11.97	%

Non-soil material:	na
Shape (> #10):	subrounded
Hardness (> #10):	hard

Date/Time in oven	05/20/2024 21:33
Date/Time out of oven	05/21/2024 14:51

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	47.42	214.20	166.78
Sample Weight (Oven Dried)			147

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			75
Sample <#10			72
% Passing #10			43.2

Hydrometer Data

Serial Number	659854
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0035
High Temp (C)	23.0
Reading at High Temp	1.0025
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000	457.62	476.54	18.92	g	87.1	Gravel	
3/8 inch	9500	447.09	470.70	23.61	g	71.0	Gravel	
#4	4750	487.80	507.91	20.11	g	57.3	Gravel	
#10	2000	462.28	474.68	12.40	g	48.9	Sand	Coarse
#20	850	376.15	381.53	5.38	g	45.2	Sand	Medium
#40	425	365.11	370.79	5.68	g	41.3	Sand	Medium
#60	250	347.28	353.33	6.05	g	37.2	Sand	Fine
#80	180	334.84	338.48	3.64	g	34.7	Sand	Fine
#100	150	326.85	329.18	2.33	g	33.1	Sand	Fine
#200	75	311.84	320.58	8.74	g	27.2	Sand	Fine
				0.00	g	27.2		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	147

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0180	20.5	32.6	16.5	Silt	
5	5	1.0170	20.5	20.8	15.4	Silt	
15	15	1.0135	20.5	12.5	11.6	Silt	
30	31	1.0120	20.5	8.8	9.92	Silt	
60	60	1.0110	20.5	6.4	8.83	Silt	
250	240	1.0090	20.5	3.3	6.65	Clay	
1440	1424	1.0070	20.8	1.4	4.52	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-1S-20240508-9.7
Lab Sample ID	460-303610-E-9

Date Received	5/9/2024
Start Date	05/20/2024 21:37
End Date	06/01/2024 8:00

Dry Weight Determination

Tin Weight	1.01	g
Wet Sample + Tin	26.97	g
Dry Sample + Tin	20.93	g
% Moisture	23.27	%

Non-soil material:	na
Shape (> #10):	subrounded
Hardness (> #10):	hard

Date/Time in oven	05/20/2024 21:38
Date/Time out of oven	05/21/2024 14:51

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.72	168.82	124.1
Sample Weight (Oven Dried)			95.2

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			54.7
Sample <#10			40.5
% Passing #10			32.6

Hydrometer Data

Serial Number	659854
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0035
High Temp (C)	23.0
Reading at High Temp	1.0025
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000	457.62	467.03	9.41	g	90.1	Gravel	
3/8 inch	9500	447.09	464.54	17.45	g	71.8	Gravel	
#4	4750	487.80	503.56	15.76	g	55.2	Gravel	
#10	2000	462.28	474.31	12.03	g	42.6	Sand	Coarse
#20	850	371.82	376.32	4.50	g	37.9	Sand	Medium
#40	425	353.14	359.38	6.24	g	31.3	Sand	Medium
#60	250	351.13	356.20	5.07	g	26.0	Sand	Fine
#80	180	318.25	321.09	2.84	g	23.0	Sand	Fine
#100	150	327.34	329.23	1.89	g	21.0	Sand	Fine
#200	75	313.21	319.03	5.82	g	14.9	Sand	Fine
				0.00	g	14.9		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	95.2

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0120	20.5	34.7	15.3	Silt	
5	5	1.0110	20.5	22.2	13.6	Silt	
15	15	1.0090	20.5	13.1	10.3	Silt	
30	31	1.0090	20.5	9.1	10.3	Silt	
60	59	1.0085	20.5	6.6	9.42	Silt	
250	234	1.0075	20.5	3.4	7.73	Clay	
1440	1418	1.0060	20.8	1.4	5.29	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	PL-C-4S-20240508-6.0
Lab Sample ID	460-303610-C-11

Date Received	5/9/2024
Start Date	05/23/2024 20:08
End Date	06/03/2024 14:24

Dry Weight Determination

Tin Weight	1.00	g
Wet Sample + Tin	22.28	g
Dry Sample + Tin	17.88	g
% Moisture	20.68	%

Non-soil material:	STICKS
Shape (> #10):	SUBROUNDED
Hardness (> #10):	HARD

Date/Time in oven	05/23/2024 20:10
Date/Time out of oven	05/24/2024 16:21

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	44.04	132.13	88.09
Sample Weight (Oven Dried)			69.9

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			6.42
Sample <#10			63.5
% Passing #10			72.1

Hydrometer Data

Serial Number	653423
Calib. Date (mm/dd/yyyy)	12/07/2023
Low Temp (C)	17.0
Reading at Low Temp	1.0050
High Temp (C)	23.0
Reading at High Temp	1.0035
Hydrometer Cal Slope	-0.00025
Hydrometer Cal Intercept	1.00925
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500			0.00	g	100.0	Gravel	
#4	4750	487.87	491.77	3.90	g	94.4	Gravel	
#10	2000	462.40	464.92	2.52	g	90.8	Sand	Coarse
#20	850	372.28	374.21	1.93	g	88.0	Sand	Medium
#40	425	353.87	356.35	2.48	g	84.5	Sand	Medium
#60	250	351.28	354.68	3.40	g	79.6	Sand	Fine
#80	180	318.40	320.91	2.51	g	76.0	Sand	Fine
#100	150	327.44	329.20	1.76	g	73.5	Sand	Fine
#200	75	313.25	319.36	6.11	g	64.8	Sand	Fine
				0.00	g	64.8		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	69.9

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0245	21.6	29.6	47.4	Silt	
5	5	1.0210	21.6	19.6	39.4	Silt	
15	15	1.0105	21.6	12.7	15.3	Silt	
30	30	1.0085	21.6	9.2	10.7	Silt	
60	59	1.0080	21.6	6.6	9.54	Silt	
250	256	1.0070	21.6	3.2	7.24	Clay	
1440	1440	1.0070	21.6	1.3	7.24	Clay	

Default Detection Limits

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Leach: 1311

Analyte	RL	MDL	Units
1,1-Dichloroethene	1.0	0.26	ug/L
1,2-Dichloroethane	1.0	0.43	ug/L
2-Butanone (MEK)	5.0	1.9	ug/L
Benzene	1.0	0.20	ug/L
Carbon tetrachloride	1.0	0.21	ug/L
Chlorobenzene	1.0	0.38	ug/L
Chloroform	1.0	0.33	ug/L
Tetrachloroethene	1.0	0.25	ug/L
Trichloroethene	1.0	0.31	ug/L
Vinyl chloride	1.0	0.17	ug/L

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

Prep: 3510C

Leach: 1311

Analyte	RL	MDL	Units
1,4-Dichlorobenzene	10	0.40	ug/L
2,4,5-Trichlorophenol	10	0.80	ug/L
2,4,6-Trichlorophenol	10	0.80	ug/L
2,4-Dinitrotoluene	10	1.0	ug/L
2-Methylphenol	10	0.60	ug/L
3 & 4 Methylphenol	10	0.60	ug/L
Hexachlorobenzene	1.0	0.40	ug/L
Hexachlorobutadiene	2.0	0.80	ug/L
Hexachloroethane	2.0	1.2	ug/L
Nitrobenzene	1.0	0.60	ug/L
Pentachlorophenol	30	1.4	ug/L
Pyridine	10	1.9	ug/L

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Prep: 3510C

Leach: 1311

Analyte	RL	MDL	Units
Chlordane (technical)	5.0	0.055	ug/L
Endrin	0.50	0.0040	ug/L
gamma-BHC (Lindane)	0.50	0.012	ug/L
Heptachlor	0.50	0.0030	ug/L
Heptachlor epoxide	0.50	0.0050	ug/L
Methoxychlor	0.50	0.0040	ug/L
Toxaphene	5.0	0.11	ug/L

Method: 8151A - Herbicides (GC) - TCLP

Prep: 8151A

Leach: 1311

Analyte	RL	MDL	Units
2,4-D	83	5.0	ug/L
Silvex (2,4,5-TP)	83	4.0	ug/L

Method: 6020B - Metals (ICP/MS) - TCLP

Prep: 3010A

Leach: 1311

Default Detection Limits

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

Method: 6020B - Metals (ICP/MS) - TCLP

Prep: 3010A

Leach: 1311

Analyte	RL	MDL	Units
Arsenic	2.0	0.89	ug/L
Barium	4.0	0.91	ug/L
Cadmium	2.0	0.39	ug/L
Chromium	4.0	2.5	ug/L
Copper	4.0	2.5	ug/L
Lead	1.2	0.84	ug/L
Nickel	4.0	0.91	ug/L
Selenium	2.5	0.59	ug/L
Silver	2.0	0.29	ug/L
Zinc	16	6.5	ug/L

Method: 7470A - Mercury (CVAA) - TCLP

Prep: 7470A

Leach: 1311

Analyte	RL	MDL	Units
Mercury	0.20	0.091	ug/L

Method: 7471B - Mercury (CVAA)

Prep: 7471B

Analyte	RL	MDL	Units
Mercury	0.017	0.0080	mg/Kg

General Chemistry

Analyte	RL	MDL	Units
TOC Result 1	100	51	mg/Kg

Surrogate Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
LCS 460-975195/4	Lab Control Sample	102	91	101	103
LCSD 460-975195/5	Lab Control Sample Dup	102	92	101	103
MB 460-975195/10	Method Blank	103	89	104	103

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-303610-1	PL-C-4W-20240508-0.75-3.2	103	85	105	100
460-303610-1 MS	PL-C-4W-20240508-0.75-3.2	87	76	87	88
460-303610-2	PL-C-1W-20240508-0.75-4.1	112	90	110	106
460-303610-3	PL-C-5W-20240508-0.75-7.8	107	88	111	98
460-303610-4	PL-C-2W-20240508-1.7-7.4	92	79	94	94
460-303610-5	PL-C-3W-20240508-0.85-3.2	105	88	107	103

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-150)
LCS 460-974526/2-A	Lab Control Sample	124	88	48	98	32	107
LCSD 460-974526/3-A	Lab Control Sample Dup	123	89	47	95	32	107
MB 460-974526/1-A	Method Blank	111	86	46	96	32	104

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Anchor QEA LLC
Job ID: 460-303610-1
Project/Site: Nepera

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-150)
460-303610-1	PL-C-4W-20240508-0.75-3.2	112	86	69	94	52	86
460-303610-2	PL-C-1W-20240508-0.75-4.1	131	98	76	105	59 S1+	93
460-303610-3	PL-C-5W-20240508-0.75-7.8	107	87	64	92	49	82
460-303610-4	PL-C-2W-20240508-1.7-7.4	112	91	50	95	34	73
460-303610-5	PL-C-3W-20240508-0.85-3.2	118	96	73	103	54	86
LB 460-974423/1-B	Method Blank	122	93	74	99	55	96

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-131)	(10-131)	(10-150)	(10-150)
LCS 460-974528/2-A	Lab Control Sample	80	80	92	80
LCSD 460-974528/3-A	Lab Control Sample Dup	82	86	99	89
MB 460-974528/1-A	Method Blank	82	86	86	90

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-131)	(10-131)	(10-150)	(10-150)
460-303610-1	PL-C-4W-20240508-0.75-3.2	89	83	72	72
460-303610-2	PL-C-1W-20240508-0.75-4.1	104	77	79	70
460-303610-3	PL-C-5W-20240508-0.75-7.8	97	87	78	77
460-303610-4	PL-C-2W-20240508-1.7-7.4	95	80	77	71
460-303610-5	PL-C-3W-20240508-0.85-3.2	98	96	78	78
LB 460-974423/1-C	Method Blank	83	85	87	88

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)
LCS 460-974531/2-A	Lab Control Sample	77	81

Surrogate Summary

Client: Anchor QEA LLC
Job ID: 460-303610-1
Project/Site: Nepera

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (10-150)	DCPAA2 (10-150)
LCSD 460-974531/3-A	Lab Control Sample Dup	69	72
MB 460-974531/1-A	Method Blank	57	61

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid
Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (10-150)	DCPAA2 (10-150)
460-303610-1	PL-C-4W-20240508-0.75-3.2	29	29
460-303610-2	PL-C-1W-20240508-0.75-4.1	34	34
460-303610-3	PL-C-5W-20240508-0.75-7.8	19	20
460-303610-4	PL-C-2W-20240508-1.7-7.4	25	25
460-303610-5	PL-C-3W-20240508-0.85-3.2	26	27
LB 460-974423/1-D	Method Blank	23	24

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 460-975195/10
Matrix: Solid
Analysis Batch: 975195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/16/24 11:34	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			05/16/24 11:34	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			05/16/24 11:34	1
Benzene	0.20	U	1.0	0.20	ug/L			05/16/24 11:34	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			05/16/24 11:34	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			05/16/24 11:34	1
Chloroform	0.33	U	1.0	0.33	ug/L			05/16/24 11:34	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			05/16/24 11:34	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			05/16/24 11:34	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			05/16/24 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 128*		*05/16/24 11:34*	*1*
4-Bromofluorobenzene	*89*		*76 - 120*		*05/16/24 11:34*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*05/16/24 11:34*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/16/24 11:34*	*1*

Lab Sample ID: LCS 460-975195/4
Matrix: Solid
Analysis Batch: 975195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.0	21.8		ug/L		109	68 - 133
1,2-Dichloroethane	20.0	18.9		ug/L		94	66 - 129
2-Butanone (MEK)	100	90.0		ug/L		90	61 - 142
Benzene	20.0	19.9		ug/L		99	71 - 126
Carbon tetrachloride	20.0	17.3		ug/L		87	65 - 142
Chlorobenzene	20.0	19.1		ug/L		95	80 - 120
Chloroform	20.0	19.5		ug/L		97	78 - 125
Tetrachloroethene	20.0	18.3		ug/L		92	70 - 127
Trichloroethene	20.0	18.1		ug/L		90	51 - 121
Vinyl chloride	20.0	20.2		ug/L		101	55 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 128*
4-Bromofluorobenzene	*91*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 132*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 460-975195/5
Matrix: Solid
Analysis Batch: 975195

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	20.0	21.0		ug/L		105	68 - 133	4	30
1,2-Dichloroethane	20.0	18.6		ug/L		93	66 - 129	2	30
2-Butanone (MEK)	100	89.6		ug/L		90	61 - 142	0	30
Benzene	20.0	20.3		ug/L		101	71 - 126	2	30

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

Lab Sample ID: LCSD 460-975195/5
Matrix: Solid
Analysis Batch: 975195

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon tetrachloride			20.0	17.6		ug/L		88	65 - 142	2	30
Chlorobenzene			20.0	19.8		ug/L		99	80 - 120	4	30
Chloroform			20.0	19.8		ug/L		99	78 - 125	2	30
Tetrachloroethene			20.0	19.0		ug/L		95	70 - 127	4	30
Trichloroethene			20.0	18.1		ug/L		91	51 - 121	0	30
Vinyl chloride			20.0	19.4		ug/L		97	55 - 144	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 128*
4-Bromofluorobenzene	*92*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 132*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 460-303610-1 MS
Matrix: Solid
Analysis Batch: 975195

Client Sample ID: PL-C-4W-20240508-0.75-3.2
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene	2.6	U	200	238		ug/L		119	68 - 133		
1,2-Dichloroethane	4.3	U	200	205		ug/L		102	66 - 129		
2-Butanone (MEK)	19	U	1000	866		ug/L		87	61 - 142		
Benzene	2.0	U	200	214		ug/L		107	71 - 126		
Carbon tetrachloride	2.1	U	200	194		ug/L		97	65 - 142		
Chlorobenzene	3.8	U	200	211		ug/L		105	80 - 120		
Chloroform	3.3	U	200	209		ug/L		105	78 - 125		
Tetrachloroethene	2.5	U	200	200		ug/L		100	70 - 127		
Trichloroethene	3.1	U	200	191		ug/L		96	51 - 121		
Vinyl chloride	1.7	U	200	221		ug/L		110	55 - 144		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 128*
4-Bromofluorobenzene	*76*		*76 - 120*
Dibromofluoromethane (Surr)	*87*		*77 - 132*
Toluene-d8 (Surr)	*88*		*80 - 120*

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

Lab Sample ID: MB 460-974526/1-A
Matrix: Solid
Analysis Batch: 974604

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.40	U	10	0.40	ug/L		05/13/24 09:52	05/13/24 19:55	1
2,4,5-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:52	05/13/24 19:55	1
2,4,6-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:52	05/13/24 19:55	1
2,4-Dinitrotoluene	1.0	U	10	1.0	ug/L		05/13/24 09:52	05/13/24 19:55	1
2-Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:52	05/13/24 19:55	1
3 & 4 Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:52	05/13/24 19:55	1

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

Lab Sample ID: MB 460-974526/1-A
Matrix: Solid
Analysis Batch: 974604

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		05/13/24 09:52	05/13/24 19:55	1
Hexachlorobutadiene	0.80	U	2.0	0.80	ug/L		05/13/24 09:52	05/13/24 19:55	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		05/13/24 09:52	05/13/24 19:55	1
Nitrobenzene	0.60	U	1.0	0.60	ug/L		05/13/24 09:52	05/13/24 19:55	1
Pentachlorophenol	1.4	U	30	1.4	ug/L		05/13/24 09:52	05/13/24 19:55	1
Pyridine	1.9	U	10	1.9	ug/L		05/13/24 09:52	05/13/24 19:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*111*		*37 - 150*	*05/13/24 09:52*	*05/13/24 19:55*	*1*
2-Fluorobiphenyl	*86*		*46 - 139*	*05/13/24 09:52*	*05/13/24 19:55*	*1*
2-Fluorophenol (Surr)	*46*		*16 - 80*	*05/13/24 09:52*	*05/13/24 19:55*	*1*
Nitrobenzene-d5 (Surr)	*96*		*51 - 145*	*05/13/24 09:52*	*05/13/24 19:55*	*1*
Phenol-d5 (Surr)	*32*		*10 - 56*	*05/13/24 09:52*	*05/13/24 19:55*	*1*
Terphenyl-d14 (Surr)	*104*		*13 - 150*	*05/13/24 09:52*	*05/13/24 19:55*	*1*

Lab Sample ID: LCS 460-974526/2-A
Matrix: Solid
Analysis Batch: 974604

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 974526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dichlorobenzene			80.0	41.8		ug/L		52	21 - 120		
2,4,5-Trichlorophenol			80.0	83.5		ug/L		104	67 - 131		
2,4,6-Trichlorophenol			80.0	89.2		ug/L		112	68 - 134		
2,4-Dinitrotoluene			80.0	92.2		ug/L		115	68 - 146		
2-Methylphenol			80.0	56.3		ug/L		70	44 - 120		
3 & 4 Methylphenol			80.0	51.3		ug/L		64	37 - 120		
Hexachlorobenzene			80.0	92.3		ug/L		115	61 - 142		
Hexachlorobutadiene			80.0	34.6		ug/L		43	21 - 120		
Hexachloroethane			80.0	34.9		ug/L		44	16 - 120		
Nitrobenzene			80.0	81.2		ug/L		101	64 - 120		
Pentachlorophenol			160	167		ug/L		105	51 - 150		
Pyridine			160	45.8		ug/L		29	13 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*124*		*37 - 150*
2-Fluorobiphenyl	*88*		*46 - 139*
2-Fluorophenol (Surr)	*48*		*16 - 80*
Nitrobenzene-d5 (Surr)	*98*		*51 - 145*
Phenol-d5 (Surr)	*32*		*10 - 56*
Terphenyl-d14 (Surr)	*107*		*13 - 150*

Lab Sample ID: LCSD 460-974526/3-A
Matrix: Solid
Analysis Batch: 974604

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 974526

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			80.0	40.5		ug/L		51	21 - 120	3	30
2,4,5-Trichlorophenol			80.0	84.3		ug/L		105	67 - 131	1	30

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

Lab Sample ID: LCSD 460-974526/3-A
Matrix: Solid
Analysis Batch: 974604

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 974526

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			80.0	88.3		ug/L		110	68 - 134	1	30
2,4-Dinitrotoluene			80.0	92.5		ug/L		116	68 - 146	0	30
2-Methylphenol			80.0	56.3		ug/L		70	44 - 120	0	30
3 & 4 Methylphenol			80.0	50.6		ug/L		63	37 - 120	1	30
Hexachlorobenzene			80.0	93.2		ug/L		116	61 - 142	1	30
Hexachlorobutadiene			80.0	33.4		ug/L		42	21 - 120	4	30
Hexachloroethane			80.0	34.1		ug/L		43	16 - 120	2	30
Nitrobenzene			80.0	80.1		ug/L		100	64 - 120	1	30
Pentachlorophenol			160	168		ug/L		105	51 - 150	0	30
Pyridine			160	43.9		ug/L		27	13 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*123*		*37 - 150*
2-Fluorobiphenyl	*89*		*46 - 139*
2-Fluorophenol (Surr)	*47*		*16 - 80*
Nitrobenzene-d5 (Surr)	*95*		*51 - 145*
Phenol-d5 (Surr)	*32*		*10 - 56*
Terphenyl-d14 (Surr)	*107*		*13 - 150*

Lab Sample ID: LB 460-974423/1-B
Matrix: Solid
Analysis Batch: 974604

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 974526

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.40	U	10	0.40	ug/L		05/13/24 09:56	05/13/24 20:38	1
2,4,5-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/13/24 20:38	1
2,4,6-Trichlorophenol	0.80	U	10	0.80	ug/L		05/13/24 09:56	05/13/24 20:38	1
2,4-Dinitrotoluene	1.0	U	10	1.0	ug/L		05/13/24 09:56	05/13/24 20:38	1
2-Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/13/24 20:38	1
3 & 4 Methylphenol	0.60	U	10	0.60	ug/L		05/13/24 09:56	05/13/24 20:38	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		05/13/24 09:56	05/13/24 20:38	1
Hexachlorobutadiene	0.80	U	2.0	0.80	ug/L		05/13/24 09:56	05/13/24 20:38	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		05/13/24 09:56	05/13/24 20:38	1
Nitrobenzene	0.60	U	1.0	0.60	ug/L		05/13/24 09:56	05/13/24 20:38	1
Pentachlorophenol	1.4	U	30	1.4	ug/L		05/13/24 09:56	05/13/24 20:38	1
Pyridine	1.9	U	10	1.9	ug/L		05/13/24 09:56	05/13/24 20:38	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*122*		*37 - 150*	*05/13/24 09:56*	*05/13/24 20:38*	*1*
2-Fluorobiphenyl	*93*		*46 - 139*	*05/13/24 09:56*	*05/13/24 20:38*	*1*
2-Fluorophenol (Surr)	*74*		*16 - 80*	*05/13/24 09:56*	*05/13/24 20:38*	*1*
Nitrobenzene-d5 (Surr)	*99*		*51 - 145*	*05/13/24 09:56*	*05/13/24 20:38*	*1*
Phenol-d5 (Surr)	*55*		*10 - 56*	*05/13/24 09:56*	*05/13/24 20:38*	*1*
Terphenyl-d14 (Surr)	*96*		*13 - 150*	*05/13/24 09:56*	*05/13/24 20:38*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-974528/1-A
Matrix: Solid
Analysis Batch: 974654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974528

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.055	U	5.0	0.055	ug/L		05/13/24 10:43	05/14/24 03:42	1
Chlordane (technical)	0.055	U	5.0	0.055	ug/L		05/13/24 10:43	05/14/24 03:42	1
Endrin	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 03:42	1
Endrin	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 03:42	1
gamma-BHC (Lindane)	0.012	U	0.50	0.012	ug/L		05/13/24 10:43	05/14/24 03:42	1
gamma-BHC (Lindane)	0.012	U	0.50	0.012	ug/L		05/13/24 10:43	05/14/24 03:42	1
Heptachlor	0.0030	U	0.50	0.0030	ug/L		05/13/24 10:43	05/14/24 03:42	1
Heptachlor	0.0030	U	0.50	0.0030	ug/L		05/13/24 10:43	05/14/24 03:42	1
Heptachlor epoxide	0.0050	U	0.50	0.0050	ug/L		05/13/24 10:43	05/14/24 03:42	1
Heptachlor epoxide	0.0050	U	0.50	0.0050	ug/L		05/13/24 10:43	05/14/24 03:42	1
Methoxychlor	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 03:42	1
Methoxychlor	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 03:42	1
Toxaphene	0.11	U	5.0	0.11	ug/L		05/13/24 10:43	05/14/24 03:42	1
Toxaphene	0.11	U	5.0	0.11	ug/L		05/13/24 10:43	05/14/24 03:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*10 - 131*	*05/13/24 10:43*	*05/14/24 03:42*	*1*
DCB Decachlorobiphenyl	*82*		*10 - 131*	*05/13/24 10:43*	*05/14/24 03:42*	*1*
Tetrachloro-m-xylene	*90*		*10 - 150*	*05/13/24 10:43*	*05/14/24 03:42*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*05/13/24 10:43*	*05/14/24 03:42*	*1*

Lab Sample ID: LCS 460-974528/2-A
Matrix: Solid
Analysis Batch: 974654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 974528

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Endrin			0.800	0.764		ug/L		96	71 - 122		
Endrin			0.800	0.733		ug/L		92	71 - 122		
gamma-BHC (Lindane)			0.800	0.819		ug/L		102	76 - 123		
gamma-BHC (Lindane)			0.800	0.813		ug/L		102	76 - 123		
Heptachlor			0.800	0.824		ug/L		103	74 - 127		
Heptachlor			0.800	0.762		ug/L		95	74 - 127		
Heptachlor epoxide			0.800	0.832		ug/L		104	74 - 128		
Heptachlor epoxide			0.800	0.792		ug/L		99	74 - 128		
Methoxychlor			0.800	0.762		ug/L		95	56 - 147		
Methoxychlor			0.800	0.689		ug/L		86	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*10 - 131*
DCB Decachlorobiphenyl	*80*		*10 - 131*
Tetrachloro-m-xylene	*80*		*10 - 150*
Tetrachloro-m-xylene	*92*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-974528/3-A
Matrix: Solid
Analysis Batch: 974654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 974528

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin			0.800	0.829		ug/L		104	71 - 122	8	30
Endrin			0.800	0.789		ug/L		99	71 - 122	7	30
gamma-BHC (Lindane)			0.800	0.909		ug/L		114	76 - 123	10	30
gamma-BHC (Lindane)			0.800	0.884		ug/L		110	76 - 123	8	30
Heptachlor			0.800	0.892		ug/L		112	74 - 127	8	30
Heptachlor			0.800	0.823		ug/L		103	74 - 127	8	30
Heptachlor epoxide			0.800	0.903		ug/L		113	74 - 128	8	30
Heptachlor epoxide			0.800	0.858		ug/L		107	74 - 128	8	30
Methoxychlor			0.800	0.809		ug/L		101	56 - 147	6	30
Methoxychlor			0.800	0.730		ug/L		91	56 - 147	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*10 - 131*
DCB Decachlorobiphenyl	*82*		*10 - 131*
Tetrachloro-m-xylene	*89*		*10 - 150*
Tetrachloro-m-xylene	*99*		*10 - 150*

Lab Sample ID: LB 460-974423/1-C
Matrix: Solid
Analysis Batch: 974654

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 974528

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.055	U	5.0	0.055	ug/L		05/13/24 10:43	05/14/24 04:06	1
Endrin	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 04:06	1
gamma-BHC (Lindane)	0.012	U	0.50	0.012	ug/L		05/13/24 10:43	05/14/24 04:06	1
Heptachlor	0.0030	U	0.50	0.0030	ug/L		05/13/24 10:43	05/14/24 04:06	1
Heptachlor epoxide	0.0050	U	0.50	0.0050	ug/L		05/13/24 10:43	05/14/24 04:06	1
Methoxychlor	0.0040	U	0.50	0.0040	ug/L		05/13/24 10:43	05/14/24 04:06	1
Toxaphene	0.11	U	5.0	0.11	ug/L		05/13/24 10:43	05/14/24 04:06	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*10 - 131*	*05/13/24 10:43*	*05/14/24 04:06*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 131*	*05/13/24 10:43*	*05/14/24 04:06*	*1*
Tetrachloro-m-xylene	*88*		*10 - 150*	*05/13/24 10:43*	*05/14/24 04:06*	*1*
Tetrachloro-m-xylene	*87*		*10 - 150*	*05/13/24 10:43*	*05/14/24 04:06*	*1*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-974531/1-A
Matrix: Solid
Analysis Batch: 974543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	5.0	U	83	5.0	ug/L		05/13/24 10:54	05/14/24 06:51	1
2,4-D	5.0	U	83	5.0	ug/L		05/13/24 10:54	05/14/24 06:51	1
Silvex (2,4,5-TP)	4.0	U	83	4.0	ug/L		05/13/24 10:54	05/14/24 06:51	1
Silvex (2,4,5-TP)	4.0	U	83	4.0	ug/L		05/13/24 10:54	05/14/24 06:51	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-974531/1-A
Matrix: Solid
Analysis Batch: 974543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974531

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	61		10 - 150	05/13/24 10:54	05/14/24 06:51	1
2,4-Dichlorophenylacetic acid	57		10 - 150	05/13/24 10:54	05/14/24 06:51	1

Lab Sample ID: LCS 460-974531/2-A
Matrix: Solid
Analysis Batch: 974543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 974531

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D			133	168		ug/L		126	28 - 150		
2,4-D			133	170		ug/L		127	28 - 150		
Silvex (2,4,5-TP)			33.3	44.1	J	ug/L		132	22 - 150		
Silvex (2,4,5-TP)			33.3	44.9	J	ug/L		135	22 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	81		10 - 150
2,4-Dichlorophenylacetic acid	77		10 - 150

Lab Sample ID: LCSD 460-974531/3-A
Matrix: Solid
Analysis Batch: 974543

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 974531

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			133	135		ug/L		101	28 - 150	22	30
2,4-D			133	137		ug/L		103	28 - 150	21	30
Silvex (2,4,5-TP)			33.3	41.7	J	ug/L		125	22 - 150	6	30
Silvex (2,4,5-TP)			33.3	42.7	J	ug/L		128	22 - 150	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	72		10 - 150
2,4-Dichlorophenylacetic acid	69		10 - 150

Lab Sample ID: LB 460-974423/1-D
Matrix: Solid
Analysis Batch: 974543

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 974531

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	5.0	U	83	5.0	ug/L		05/13/24 10:55	05/14/24 07:32	1
Silvex (2,4,5-TP)	4.0	U	83	4.0	ug/L		05/13/24 10:55	05/14/24 07:32	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	24		10 - 150	05/13/24 10:55	05/14/24 07:32	1
2,4-Dichlorophenylacetic acid	23		10 - 150	05/13/24 10:55	05/14/24 07:32	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-974729/1-A
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.89	U	2.0	0.89	ug/L		05/14/24 09:24	05/17/24 11:29	1
Barium	0.91	U	4.0	0.91	ug/L		05/14/24 09:24	05/17/24 11:29	1
Cadmium	0.39	U	2.0	0.39	ug/L		05/14/24 09:24	05/17/24 11:29	1
Chromium	2.5	U	4.0	2.5	ug/L		05/14/24 09:24	05/17/24 11:29	1
Copper	2.5	U	4.0	2.5	ug/L		05/14/24 09:24	05/17/24 11:29	1
Lead	0.84	U	1.2	0.84	ug/L		05/14/24 09:24	05/17/24 11:29	1
Nickel	0.91	U	4.0	0.91	ug/L		05/14/24 09:24	05/17/24 11:29	1
Selenium	0.59	U	2.5	0.59	ug/L		05/14/24 09:24	05/17/24 11:29	1
Silver	0.29	U	2.0	0.29	ug/L		05/14/24 09:24	05/17/24 11:29	1
Zinc	6.5	U	16	6.5	ug/L		05/14/24 09:24	05/17/24 11:29	1

Lab Sample ID: LCS 460-974729/2-A ^10
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 974729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	5350		ug/L		107	80 - 120
Barium	10000	10000		ug/L		100	80 - 120
Cadmium	1000	1020		ug/L		102	80 - 120
Chromium	5000	5160		ug/L		103	80 - 120
Copper	1000	1020		ug/L		102	80 - 120
Lead	5000	5070		ug/L		101	80 - 120
Nickel	1000	1020		ug/L		102	80 - 120
Selenium	1000	1020		ug/L		102	80 - 120
Silver	500	496		ug/L		99	80 - 120
Zinc	1000	997		ug/L		100	80 - 120

Lab Sample ID: MB 460-975439/1-A
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 975439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.89	U	2.0	0.89	ug/L		05/17/24 07:22	05/17/24 13:47	1
Barium	0.91	U	4.0	0.91	ug/L		05/17/24 07:22	05/17/24 13:47	1
Cadmium	0.39	U	2.0	0.39	ug/L		05/17/24 07:22	05/17/24 13:47	1
Chromium	2.5	U	4.0	2.5	ug/L		05/17/24 07:22	05/17/24 13:47	1
Copper	2.5	U	4.0	2.5	ug/L		05/17/24 07:22	05/17/24 13:47	1
Lead	0.84	U	1.2	0.84	ug/L		05/17/24 07:22	05/17/24 13:47	1
Nickel	0.91	U	4.0	0.91	ug/L		05/17/24 07:22	05/17/24 13:47	1
Selenium	0.59	U	2.5	0.59	ug/L		05/17/24 07:22	05/17/24 13:47	1
Silver	0.29	U	2.0	0.29	ug/L		05/17/24 07:22	05/17/24 13:47	1
Zinc	6.5	U	16	6.5	ug/L		05/17/24 07:22	05/17/24 13:47	1

Lab Sample ID: LB 460-974569/1-C ^10
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 974729

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.9	U	20	8.9	ug/L		05/14/24 09:24	05/17/24 12:28	10

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LB 460-974569/1-C ^10
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 974729

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	9.1	U	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:28	10
Cadmium	3.9	U	20	3.9	ug/L		05/14/24 09:24	05/17/24 12:28	10
Chromium	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:28	10
Copper	25	U	40	25	ug/L		05/14/24 09:24	05/17/24 12:28	10
Lead	8.4	U	12	8.4	ug/L		05/14/24 09:24	05/17/24 12:28	10
Nickel	9.1	U	40	9.1	ug/L		05/14/24 09:24	05/17/24 12:28	10
Selenium	5.9	U	25	5.9	ug/L		05/14/24 09:24	05/17/24 12:28	10
Silver	2.9	U	20	2.9	ug/L		05/14/24 09:24	05/17/24 12:28	10
Zinc	65	U	160	65	ug/L		05/14/24 09:24	05/17/24 12:28	10

Lab Sample ID: 460-300945-A-14-D MS ^10
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 974729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	8.9	U	5000	5220		ug/L		104	75 - 125
Barium	660		10000	10600		ug/L		99	75 - 125
Cadmium	3.9	U	1000	996		ug/L		100	75 - 125
Chromium	25	U	5000	5170		ug/L		103	75 - 125
Copper	25	U	1000	1020		ug/L		102	75 - 125
Lead	40		5000	5170		ug/L		103	75 - 125
Nickel	11	J	1000	1010		ug/L		100	75 - 125
Selenium	5.9	U	1000	1050		ug/L		105	75 - 125
Silver	2.9	U	500	484		ug/L		97	75 - 125
Zinc	170		1000	1200		ug/L		103	75 - 125

Lab Sample ID: 460-300945-A-14-C DU ^10
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 974729

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	8.9	U	8.9	U	ug/L		NC	20
Barium	660		661		ug/L		0.4	20
Cadmium	3.9	U	3.9	U	ug/L		NC	20
Chromium	25	U	25	U	ug/L		NC	20
Copper	25	U	25	U	ug/L		NC	20
Lead	40		40.1		ug/L		0.7	20
Nickel	11	J	96.3	F3	ug/L		159	20
Selenium	5.9	U	5.9	U	ug/L		NC	20
Silver	2.9	U	2.9	U	ug/L		NC	20
Zinc	170		174		ug/L		3	20

Lab Sample ID: LB 460-974423/1-H ^10
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 975439

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.9	U	20	8.9	ug/L		05/17/24 07:22	05/17/24 14:50	10
Barium	9.1	U	40	9.1	ug/L		05/17/24 07:22	05/17/24 14:50	10

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LB 460-974423/1-H ^10
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 975439

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.9	U	20	3.9	ug/L		05/17/24 07:22	05/17/24 14:50	10
Chromium	25	U	40	25	ug/L		05/17/24 07:22	05/17/24 14:50	10
Copper	25	U	40	25	ug/L		05/17/24 07:22	05/17/24 14:50	10
Lead	8.4	U	12	8.4	ug/L		05/17/24 07:22	05/17/24 14:50	10
Nickel	9.1	U	40	9.1	ug/L		05/17/24 07:22	05/17/24 14:50	10
Selenium	5.9	U	25	5.9	ug/L		05/17/24 07:22	05/17/24 14:50	10
Silver	2.9	U	20	2.9	ug/L		05/17/24 07:22	05/17/24 14:50	10
Zinc	65	U	160	65	ug/L		05/17/24 07:22	05/17/24 14:50	10

Lab Sample ID: LRC 460-975529/12
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	5080		ug/L		102	90 - 110
Barium	20000	19800		ug/L		99	90 - 110
Cadmium	5000	5060		ug/L		101	90 - 110
Chromium	20000	21100		ug/L		105	90 - 110
Copper	20000	21300		ug/L		106	90 - 110
Lead	20000	19600		ug/L		98	90 - 110
Nickel	20000	21700		ug/L		109	90 - 110
Zinc	20000	21200		ug/L		106	90 - 110

Lab Sample ID: LRC 460-975529/14
Matrix: Solid
Analysis Batch: 975529

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	3000	2940		ug/L		98	90 - 110
Silver	1000	1010		ug/L		101	90 - 110

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-974783/1-A
Matrix: Solid
Analysis Batch: 974809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		05/14/24 14:36	05/14/24 15:36	1

Lab Sample ID: MB 460-975279/1-A
Matrix: Solid
Analysis Batch: 975315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 975279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		05/16/24 14:45	05/16/24 16:08	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 460-975279/2-A
Matrix: Solid
Analysis Batch: 975315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 975279

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	5.21		ug/L		104	80 - 120		

Lab Sample ID: LB 460-974423/1-F
Matrix: Solid
Analysis Batch: 974809

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 974783

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		05/14/24 14:36	05/14/24 16:04	1

Lab Sample ID: LB 460-975050/1-C
Matrix: Solid
Analysis Batch: 975315

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 975279

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		05/16/24 14:47	05/16/24 16:59	1

Lab Sample ID: 460-303825-B-2-J MS
Matrix: Solid
Analysis Batch: 975315

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 975279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.091	U	5.00	5.14		ug/L		103	75 - 125		

Lab Sample ID: 460-303825-B-2-I DU
Matrix: Solid
Analysis Batch: 975315

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 975279

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.091	U		0.091	U	ug/L				NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-974897/1-A
Matrix: Solid
Analysis Batch: 974972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 974897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.017	0.0080	mg/Kg		05/15/24 01:59	05/15/24 08:16	1

Lab Sample ID: LCSSRM 460-974897/2-A ^20
Matrix: Solid
Analysis Batch: 974972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 974897

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			11.9	11.2		mg/Kg		94.0	67.1 - 131.9		

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-303630-A-1-C MS
Matrix: Solid
Analysis Batch: 974972

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 974897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.094		0.0961	0.170		mg/Kg	☼	80	80 - 120

Lab Sample ID: 460-303630-A-1-B DU
Matrix: Solid
Analysis Batch: 974972

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 974897

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.094		0.0932		mg/Kg	☼	0.9	20

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 460-975290/3
Matrix: Solid
Analysis Batch: 975290

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	51	U	100	51	mg/Kg			05/16/24 11:03	1

Lab Sample ID: LCSSRM 460-975290/4
Matrix: Solid
Analysis Batch: 975290

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
TOC Result 1	13700	14800		mg/Kg		107.8	39.4 - 177.4

GC/MS VOA

Leach Batch: 974315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	1311	
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	1311	
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	1311	
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	1311	
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	1311	
460-303610-1 MS	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	1311	

Analysis Batch: 975195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	8260D	974315
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	8260D	974315
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	8260D	974315
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	8260D	974315
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	8260D	974315
MB 460-975195/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-975195/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-975195/5	Lab Control Sample Dup	Total/NA	Solid	8260D	
460-303610-1 MS	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	8260D	974315

GC/MS Semi VOA

Leach Batch: 974423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	1311	
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	1311	
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	1311	
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	1311	
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	1311	
LB 460-974423/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 974526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	3510C	974423
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	3510C	974423
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	3510C	974423
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	3510C	974423
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	3510C	974423
LB 460-974423/1-B	Method Blank	TCLP	Solid	3510C	974423
MB 460-974526/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-974526/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-974526/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 974604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	8270E	974526
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	8270E	974526
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	8270E	974526
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	8270E	974526
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	8270E	974526
LB 460-974423/1-B	Method Blank	TCLP	Solid	8270E	974526
MB 460-974526/1-A	Method Blank	Total/NA	Solid	8270E	974526

GC/MS Semi VOA (Continued)

Analysis Batch: 974604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-974526/2-A	Lab Control Sample	Total/NA	Solid	8270E	974526
LCSD 460-974526/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	974526

GC Semi VOA

Leach Batch: 974423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	1311	
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	1311	
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	1311	
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	1311	
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	1311	
LB 460-974423/1-C	Method Blank	TCLP	Solid	1311	
LB 460-974423/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 974528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	3510C	974423
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	3510C	974423
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	3510C	974423
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	3510C	974423
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	3510C	974423
LB 460-974423/1-C	Method Blank	TCLP	Solid	3510C	974423
MB 460-974528/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-974528/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-974528/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 974531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	8151A	974423
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	8151A	974423
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	8151A	974423
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	8151A	974423
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	8151A	974423
LB 460-974423/1-D	Method Blank	TCLP	Solid	8151A	974423
MB 460-974531/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-974531/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-974531/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 974543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	8151A	974531
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	8151A	974531
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	8151A	974531
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	8151A	974531
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	8151A	974531
LB 460-974423/1-D	Method Blank	TCLP	Solid	8151A	974531
MB 460-974531/1-A	Method Blank	Total/NA	Solid	8151A	974531
LCS 460-974531/2-A	Lab Control Sample	Total/NA	Solid	8151A	974531
LCSD 460-974531/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	974531

GC Semi VOA

Analysis Batch: 974654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	8081B	974528
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	8081B	974528
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	8081B	974528
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	8081B	974528
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	8081B	974528
LB 460-974423/1-C	Method Blank	TCLP	Solid	8081B	974528
MB 460-974528/1-A	Method Blank	Total/NA	Solid	8081B	974528
LCS 460-974528/2-A	Lab Control Sample	Total/NA	Solid	8081B	974528
LCSD 460-974528/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	974528

Metals

Leach Batch: 974423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	1311	
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	1311	
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	1311	
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	1311	
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	1311	
LB 460-974423/1-F	Method Blank	TCLP	Solid	1311	
LB 460-974423/1-H ^10	Method Blank	TCLP	Solid	1311	

Leach Batch: 974569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-974569/1-C ^10	Method Blank	TCLP	Solid	1311	
460-300945-A-14-D MS ^10	Matrix Spike	TCLP	Solid	1311	
460-300945-A-14-C DU ^10	Duplicate	TCLP	Solid	1311	

Prep Batch: 974729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	3010A	974423
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	3010A	974423
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	3010A	974423
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	3010A	974423
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	3010A	974423
LB 460-974569/1-C ^10	Method Blank	TCLP	Solid	3010A	974569
MB 460-974729/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-974729/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-300945-A-14-D MS ^10	Matrix Spike	TCLP	Solid	3010A	974569
460-300945-A-14-C DU ^10	Duplicate	TCLP	Solid	3010A	974569

Prep Batch: 974783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-974423/1-F	Method Blank	TCLP	Solid	7470A	974423
MB 460-974783/1-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 974809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-974423/1-F	Method Blank	TCLP	Solid	7470A	974783
MB 460-974783/1-A	Method Blank	Total/NA	Solid	7470A	974783

Metals

Prep Batch: 974897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	Total/NA	Solid	7471B	
460-303610-2	PL-C-1W-20240508-0.75-4.1	Total/NA	Solid	7471B	
460-303610-3	PL-C-5W-20240508-0.75-7.8	Total/NA	Solid	7471B	
460-303610-4	PL-C-2W-20240508-1.7-7.4	Total/NA	Solid	7471B	
460-303610-5	PL-C-3W-20240508-0.85-3.2	Total/NA	Solid	7471B	
460-303610-6	PL-C-3S-20240508-6.1-6.7	Total/NA	Solid	7471B	
460-303610-8	PL-C-1S-20240508-9.7-10.7	Total/NA	Solid	7471B	
460-303610-10	PL-C-4S-20240508-6.0-6.6	Total/NA	Solid	7471B	
MB 460-974897/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-974897/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	
460-303630-A-1-C MS	Matrix Spike	Total/NA	Solid	7471B	
460-303630-A-1-B DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 974972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	Total/NA	Solid	7471B	974897
460-303610-2	PL-C-1W-20240508-0.75-4.1	Total/NA	Solid	7471B	974897
460-303610-3	PL-C-5W-20240508-0.75-7.8	Total/NA	Solid	7471B	974897
460-303610-4	PL-C-2W-20240508-1.7-7.4	Total/NA	Solid	7471B	974897
460-303610-5	PL-C-3W-20240508-0.85-3.2	Total/NA	Solid	7471B	974897
460-303610-6	PL-C-3S-20240508-6.1-6.7	Total/NA	Solid	7471B	974897
460-303610-8	PL-C-1S-20240508-9.7-10.7	Total/NA	Solid	7471B	974897
460-303610-10	PL-C-4S-20240508-6.0-6.6	Total/NA	Solid	7471B	974897
MB 460-974897/1-A	Method Blank	Total/NA	Solid	7471B	974897
LCSSRM 460-974897/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	974897
460-303630-A-1-C MS	Matrix Spike	Total/NA	Solid	7471B	974897
460-303630-A-1-B DU	Duplicate	Total/NA	Solid	7471B	974897

Leach Batch: 975050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-975050/1-C	Method Blank	TCLP	Solid	1311	
460-303825-B-2-J MS	Matrix Spike	TCLP	Solid	1311	
460-303825-B-2-I DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 975279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	7470A	974423
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	7470A	974423
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	7470A	974423
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	7470A	974423
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	7470A	974423
LB 460-975050/1-C	Method Blank	TCLP	Solid	7470A	975050
MB 460-975279/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-975279/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-303825-B-2-J MS	Matrix Spike	TCLP	Solid	7470A	975050
460-303825-B-2-I DU	Duplicate	TCLP	Solid	7470A	975050

Analysis Batch: 975315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	7470A	975279
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	7470A	975279

Metals (Continued)

Analysis Batch: 975315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	7470A	975279
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	7470A	975279
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	7470A	975279
LB 460-975050/1-C	Method Blank	TCLP	Solid	7470A	975279
MB 460-975279/1-A	Method Blank	Total/NA	Solid	7470A	975279
LCS 460-975279/2-A	Lab Control Sample	Total/NA	Solid	7470A	975279
460-303825-B-2-J MS	Matrix Spike	TCLP	Solid	7470A	975279
460-303825-B-2-I DU	Duplicate	TCLP	Solid	7470A	975279

Prep Batch: 975439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-974423/1-H ^10	Method Blank	TCLP	Solid	3010A	974423
MB 460-975439/1-A	Method Blank	Total/NA	Solid	3010A	

Analysis Batch: 975529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	TCLP	Solid	6020B	974729
460-303610-2	PL-C-1W-20240508-0.75-4.1	TCLP	Solid	6020B	974729
460-303610-3	PL-C-5W-20240508-0.75-7.8	TCLP	Solid	6020B	974729
460-303610-4	PL-C-2W-20240508-1.7-7.4	TCLP	Solid	6020B	974729
460-303610-5	PL-C-3W-20240508-0.85-3.2	TCLP	Solid	6020B	974729
LB 460-974423/1-H ^10	Method Blank	TCLP	Solid	6020B	975439
LB 460-974569/1-C ^10	Method Blank	TCLP	Solid	6020B	974729
MB 460-974729/1-A	Method Blank	Total/NA	Solid	6020B	974729
MB 460-975439/1-A	Method Blank	Total/NA	Solid	6020B	975439
LCS 460-974729/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	974729
LRC 460-975529/12	Lab Control Sample		Solid	6020B	
LRC 460-975529/13	Lab Control Sample		Solid	6020B	
LRC 460-975529/14	Lab Control Sample		Solid	6020B	
460-300945-A-14-D MS ^10	Matrix Spike	TCLP	Solid	6020B	974729
460-300945-A-14-C DU ^10	Duplicate	TCLP	Solid	6020B	974729

General Chemistry

Analysis Batch: 974574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	Total/NA	Solid	Moisture	
460-303610-2	PL-C-1W-20240508-0.75-4.1	Total/NA	Solid	Moisture	
460-303610-3	PL-C-5W-20240508-0.75-7.8	Total/NA	Solid	Moisture	
460-303610-4	PL-C-2W-20240508-1.7-7.4	Total/NA	Solid	Moisture	
460-303610-5	PL-C-3W-20240508-0.85-3.2	Total/NA	Solid	Moisture	
460-303610-6	PL-C-3S-20240508-6.1-6.7	Total/NA	Solid	Moisture	
460-303610-7	PL-C-3S-20240508-6.1-8.6	Total/NA	Solid	Moisture	
460-303610-8	PL-C-1S-20240508-9.7-10.7	Total/NA	Solid	Moisture	
460-303610-9	PL-C-1S-20240508-9.7-14.2	Total/NA	Solid	Moisture	
460-303610-10	PL-C-4S-20240508-6.0-6.6	Total/NA	Solid	Moisture	
460-303610-11	PL-C-4S-20240508-6.0-9.8	Total/NA	Solid	Moisture	
460-303658-D-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-303658-D-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-303658-D-3 MSS	Matrix Spike	Total/NA	Solid	Moisture	
460-303610-6 DU	PL-C-3S-20240508-6.1-6.7	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 974574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-8 DU	PL-C-1S-20240508-9.7-10.7	Total/NA	Solid	Moisture	
460-303610-10 DU	PL-C-4S-20240508-6.0-6.6	Total/NA	Solid	Moisture	

Analysis Batch: 975290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	Total/NA	Solid	Lloyd Kahn	
460-303610-2	PL-C-1W-20240508-0.75-4.1	Total/NA	Solid	Lloyd Kahn	
460-303610-3	PL-C-5W-20240508-0.75-7.8	Total/NA	Solid	Lloyd Kahn	
460-303610-4	PL-C-2W-20240508-1.7-7.4	Total/NA	Solid	Lloyd Kahn	
460-303610-5	PL-C-3W-20240508-0.85-3.2	Total/NA	Solid	Lloyd Kahn	
460-303610-7	PL-C-3S-20240508-6.1-8.6	Total/NA	Solid	Lloyd Kahn	
460-303610-9	PL-C-1S-20240508-9.7-14.2	Total/NA	Solid	Lloyd Kahn	
460-303610-11	PL-C-4S-20240508-6.0-9.8	Total/NA	Solid	Lloyd Kahn	
MB 460-975290/3	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCSSRM 460-975290/4	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Geotechnical

Analysis Batch: 204265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	Total/NA	Solid	D4318	
460-303610-2	PL-C-1W-20240508-0.75-4.1	Total/NA	Solid	D4318	
460-303610-3	PL-C-5W-20240508-0.75-7.8	Total/NA	Solid	D4318	
460-303610-4	PL-C-2W-20240508-1.7-7.4	Total/NA	Solid	D4318	
460-303610-5	PL-C-3W-20240508-0.85-3.2	Total/NA	Solid	D4318	
460-303610-7	PL-C-3S-20240508-6.1-8.6	Total/NA	Solid	D4318	
460-303610-9	PL-C-1S-20240508-9.7-14.2	Total/NA	Solid	D4318	
460-303610-11	PL-C-4S-20240508-6.0-9.8	Total/NA	Solid	D4318	

Analysis Batch: 204266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	Total/NA	Solid	D854	
460-303610-2	PL-C-1W-20240508-0.75-4.1	Total/NA	Solid	D854	
460-303610-3	PL-C-5W-20240508-0.75-7.8	Total/NA	Solid	D854	
460-303610-4	PL-C-2W-20240508-1.7-7.4	Total/NA	Solid	D854	
460-303610-5	PL-C-3W-20240508-0.85-3.2	Total/NA	Solid	D854	
460-303610-7	PL-C-3S-20240508-6.1-8.6	Total/NA	Solid	D854	
460-303610-9	PL-C-1S-20240508-9.7-14.2	Total/NA	Solid	D854	
460-303610-11	PL-C-4S-20240508-6.0-9.8	Total/NA	Solid	D854	

Analysis Batch: 204748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303610-1	PL-C-4W-20240508-0.75-3.2	Total/NA	Solid	D422	
460-303610-2	PL-C-1W-20240508-0.75-4.1	Total/NA	Solid	D422	
460-303610-3	PL-C-5W-20240508-0.75-7.8	Total/NA	Solid	D422	
460-303610-4	PL-C-2W-20240508-1.7-7.4	Total/NA	Solid	D422	
460-303610-5	PL-C-3W-20240508-0.85-3.2	Total/NA	Solid	D422	
460-303610-7	PL-C-3S-20240508-6.1-8.6	Total/NA	Solid	D422	
460-303610-9	PL-C-1S-20240508-9.7-14.2	Total/NA	Solid	D422	
460-303610-11	PL-C-4S-20240508-6.0-9.8	Total/NA	Solid	D422	

Client Sample ID: PL-C-4W-20240508-0.75-3.2

Lab Sample ID: 460-303610-1

Date Collected: 05/08/24 13:05

Matrix: Solid

Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			974315	BJB	EET EDI	05/11/24 10:32 - 05/12/24 06:30 [1]
TCLP	Analysis	8260D		10	975195	MZS	EET EDI	05/16/24 17:01
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974526	SXS	EET EDI	05/13/24 09:56
TCLP	Analysis	8270E		1	974604	MME	EET EDI	05/14/24 00:58
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974528	OTS	EET EDI	05/13/24 10:43
TCLP	Analysis	8081B		1	974654	FAM	EET EDI	05/14/24 04:31
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	8151A			974531	OTS	EET EDI	05/13/24 10:55
TCLP	Analysis	8151A		1	974543	SAK	EET EDI	05/14/24 07:59
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3010A			974729	KXN	EET EDI	05/14/24 09:24
TCLP	Analysis	6020B		10	975529	CDC	EET EDI	05/17/24 12:01
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	7470A			975279	RBS	EET EDI	05/16/24 14:45
TCLP	Analysis	7470A		1	975315	RBS	EET EDI	05/16/24 16:37
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204748	MAP	EET BUR	05/17/24 16:59
Total/NA	Analysis	D4318		1	204265	MAP	EET BUR	05/17/24 15:44
Total/NA	Analysis	D854		1	204266	MAP	EET BUR	05/17/24 15:45

Client Sample ID: PL-C-4W-20240508-0.75-3.2

Lab Sample ID: 460-303610-1

Date Collected: 05/08/24 13:05

Matrix: Solid

Date Received: 05/09/24 20:00

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974897	TJS	EET EDI	05/15/24 01:59
Total/NA	Analysis	7471B		1200	974972	TJS	EET EDI	05/15/24 08:17
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 13:46

Client Sample ID: PL-C-1W-20240508-0.75-4.1

Lab Sample ID: 460-303610-2

Date Collected: 05/08/24 12:15

Matrix: Solid

Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			974315	BJB	EET EDI	05/11/24 10:32 - 05/12/24 06:30 [1]
TCLP	Analysis	8260D		10	975195	MZS	EET EDI	05/16/24 17:26
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974526	SXS	EET EDI	05/13/24 09:56
TCLP	Analysis	8270E		1	974604	MME	EET EDI	05/14/24 01:19
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974528	OTS	EET EDI	05/13/24 10:43
TCLP	Analysis	8081B		1	974654	FAM	EET EDI	05/14/24 04:43

Client Sample ID: PL-C-1W-20240508-0.75-4.1

Date Collected: 05/08/24 12:15
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	8151A			974531	OTS	EET EDI	05/13/24 10:55
TCLP	Analysis	8151A		1	974543	SAK	EET EDI	05/14/24 08:12
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3010A			974729	KXN	EET EDI	05/14/24 09:24
TCLP	Analysis	6020B		10	975529	CDC	EET EDI	05/17/24 12:04
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	7470A			975279	RBS	EET EDI	05/16/24 14:45
TCLP	Analysis	7470A		1	975315	RBS	EET EDI	05/16/24 16:39
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204748	MAP	EET BUR	05/20/24 21:07
Total/NA	Analysis	D4318		1	204265	MAP	EET BUR	05/20/24 21:05
Total/NA	Analysis	D854		1	204266	MAP	EET BUR	05/20/24 21:04

Client Sample ID: PL-C-1W-20240508-0.75-4.1

Date Collected: 05/08/24 12:15
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-2

Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974897	TJS	EET EDI	05/15/24 01:59
Total/NA	Analysis	7471B		1200	974972	TJS	EET EDI	05/15/24 08:19
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 13:54

Client Sample ID: PL-C-5W-20240508-0.75-7.8

Date Collected: 05/08/24 11:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			974315	BJB	EET EDI	05/11/24 10:32 - 05/12/24 06:30 [1]
TCLP	Analysis	8260D		10	975195	MZS	EET EDI	05/16/24 17:51
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974526	SXS	EET EDI	05/13/24 09:56
TCLP	Analysis	8270E		1	974604	MME	EET EDI	05/14/24 01:40
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974528	OTS	EET EDI	05/13/24 10:43
TCLP	Analysis	8081B		1	974654	FAM	EET EDI	05/14/24 04:56
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	8151A			974531	OTS	EET EDI	05/13/24 10:55
TCLP	Analysis	8151A		1	974543	SAK	EET EDI	05/14/24 08:25
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3010A			974729	KXN	EET EDI	05/14/24 09:24
TCLP	Analysis	6020B		10	975529	CDC	EET EDI	05/17/24 12:06
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	7470A			975279	RBS	EET EDI	05/16/24 14:45
TCLP	Analysis	7470A		3	975315	RBS	EET EDI	05/16/24 17:04

Lab Chronicle

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

Client Sample ID: PL-C-5W-20240508-0.75-7.8
Date Collected: 05/08/24 11:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204748	MAP	EET BUR	05/20/24 21:14
Total/NA	Analysis	D4318		1	204265	MAP	EET BUR	05/20/24 21:05
Total/NA	Analysis	D854		1	204266	MAP	EET BUR	05/20/24 21:04

Client Sample ID: PL-C-5W-20240508-0.75-7.8
Date Collected: 05/08/24 11:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-3
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974897	TJS	EET EDI	05/15/24 01:59
Total/NA	Analysis	7471B		1200	974972	TJS	EET EDI	05/15/24 08:21
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 14:02

Client Sample ID: PL-C-2W-20240508-1.7-7.4
Date Collected: 05/08/24 10:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			974315	BJB	EET EDI	05/11/24 10:32 - 05/12/24 06:30 [1]
TCLP	Analysis	8260D		10	975195	MZS	EET EDI	05/16/24 18:16
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974526	SXS	EET EDI	05/13/24 09:56
TCLP	Analysis	8270E		1	974604	MME	EET EDI	05/14/24 02:01
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974528	OTS	EET EDI	05/13/24 10:43
TCLP	Analysis	8081B		1	974654	FAM	EET EDI	05/14/24 05:08
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	8151A			974531	OTS	EET EDI	05/13/24 10:55
TCLP	Analysis	8151A		1	974543	SAK	EET EDI	05/14/24 08:39
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3010A			974729	KXN	EET EDI	05/14/24 09:24
TCLP	Analysis	6020B		10	975529	CDC	EET EDI	05/17/24 12:09
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	7470A			975279	RBS	EET EDI	05/16/24 14:45
TCLP	Analysis	7470A		1	975315	RBS	EET EDI	05/16/24 16:43
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204748	MAP	EET BUR	05/20/24 21:19
Total/NA	Analysis	D4318		1	204265	MAP	EET BUR	05/20/24 21:05
Total/NA	Analysis	D854		1	204266	MAP	EET BUR	05/20/24 21:04

Lab Chronicle

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

Client Sample ID: PL-C-2W-20240508-1.7-7.4

Lab Sample ID: 460-303610-4

Date Collected: 05/08/24 10:10
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974897	TJS	EET EDI	05/15/24 01:59
Total/NA	Analysis	7471B		1200	974972	TJS	EET EDI	05/15/24 08:23
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 14:09

Client Sample ID: PL-C-3W-20240508-0.85-3.2

Lab Sample ID: 460-303610-5

Date Collected: 05/08/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			974315	BJB	EET EDI	05/11/24 10:32 - 05/12/24 06:30 [1]
TCLP	Analysis	8260D		10	975195	MZS	EET EDI	05/16/24 18:41
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974526	SXS	EET EDI	05/13/24 09:56
TCLP	Analysis	8270E		1	974604	MME	EET EDI	05/14/24 02:22
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3510C			974528	OTS	EET EDI	05/13/24 10:43
TCLP	Analysis	8081B		1	974654	FAM	EET EDI	05/14/24 05:20
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	8151A			974531	OTS	EET EDI	05/13/24 10:55
TCLP	Analysis	8151A		1	974543	SAK	EET EDI	05/14/24 08:52
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	3010A			974729	KXN	EET EDI	05/14/24 09:24
TCLP	Analysis	6020B		10	975529	CDC	EET EDI	05/17/24 12:11
TCLP	Leach	1311			974423	YXG	EET EDI	05/12/24 16:00 - 05/13/24 08:00 [1]
TCLP	Prep	7470A			975279	RBS	EET EDI	05/16/24 14:45
TCLP	Analysis	7470A		1	975315	RBS	EET EDI	05/16/24 16:45
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204748	MAP	EET BUR	05/20/24 21:25
Total/NA	Analysis	D4318		1	204265	MAP	EET BUR	05/20/24 21:05
Total/NA	Analysis	D854		1	204266	MAP	EET BUR	05/20/24 21:04

Client Sample ID: PL-C-3W-20240508-0.85-3.2

Lab Sample ID: 460-303610-5

Date Collected: 05/08/24 08:50
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974897	TJS	EET EDI	05/15/24 01:59
Total/NA	Analysis	7471B		1200	974972	TJS	EET EDI	05/15/24 08:29
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 14:22

Client Sample ID: PL-C-3S-20240508-6.1-6.7
Date Collected: 05/08/24 09:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15

Client Sample ID: PL-C-3S-20240508-6.1-6.7
Date Collected: 05/08/24 09:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-6
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974897	TJS	EET EDI	05/15/24 01:59
Total/NA	Analysis	7471B		400	974972	TJS	EET EDI	05/15/24 08:30

Client Sample ID: PL-C-3S-20240508-6.1-8.6
Date Collected: 05/08/24 09:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204748	MAP	EET BUR	05/20/24 21:30
Total/NA	Analysis	D4318		1	204265	MAP	EET BUR	05/20/24 21:05
Total/NA	Analysis	D854		1	204266	MAP	EET BUR	05/20/24 21:04

Client Sample ID: PL-C-3S-20240508-6.1-8.6
Date Collected: 05/08/24 09:10
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-7
Matrix: Solid
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 14:30

Client Sample ID: PL-C-1S-20240508-9.7-10.7
Date Collected: 05/08/24 12:20
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 16:17

Client Sample ID: PL-C-1S-20240508-9.7-10.7
Date Collected: 05/08/24 12:20
Date Received: 05/09/24 20:00

Lab Sample ID: 460-303610-8
Matrix: Solid
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974897	TJS	EET EDI	05/15/24 01:59
Total/NA	Analysis	7471B		20	974972	TJS	EET EDI	05/15/24 08:32

Client Sample ID: PL-C-1S-20240508-9.7-14.2
Lab Sample ID: 460-303610-9
Date Collected: 05/08/24 12:20
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204748	MAP	EET BUR	05/20/24 21:37
Total/NA	Analysis	D4318		1	204265	MAP	EET BUR	05/20/24 21:05
Total/NA	Analysis	D854		1	204266	MAP	EET BUR	05/20/24 21:04

Client Sample ID: PL-C-1S-20240508-9.7-14.2
Lab Sample ID: 460-303610-9
Date Collected: 05/08/24 12:20
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 14:38

Client Sample ID: PL-C-4S-20240508-6.0-6.6
Lab Sample ID: 460-303610-10
Date Collected: 05/08/24 13:00
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 16:17

Client Sample ID: PL-C-4S-20240508-6.0-6.6
Lab Sample ID: 460-303610-10
Date Collected: 05/08/24 13:00
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 71.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			974897	TJS	EET EDI	05/15/24 01:59
Total/NA	Analysis	7471B		400	974972	TJS	EET EDI	05/15/24 07:38

Client Sample ID: PL-C-4S-20240508-6.0-9.8
Lab Sample ID: 460-303610-11
Date Collected: 05/08/24 13:00
Matrix: Solid
Date Received: 05/09/24 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	974574	CJC	EET EDI	05/13/24 15:15
Total/NA	Analysis	D422		1	204748	MAP	EET BUR	05/23/24 20:08
Total/NA	Analysis	D4318		1	204265	MAP	EET BUR	05/23/24 20:04
Total/NA	Analysis	D854		1	204266	MAP	EET BUR	05/23/24 20:05

Client Sample ID: PL-C-4S-20240508-6.0-9.8
Lab Sample ID: 460-303610-11
Date Collected: 05/08/24 13:00
Matrix: Solid
Date Received: 05/09/24 20:00
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	975290	MMC	EET EDI	05/16/24 14:46

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 11452. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8270E	3510C	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-19-25
Florida	NELAP	E87467	06-30-24
Minnesota	NELAP	050-999-436	12-31-24
New Hampshire	NELAP	2006	12-18-24
New Jersey	NELAP	VT972	06-30-24
New York	NELAP	10391	03-31-25
Pennsylvania	NELAP	68-00489	04-30-25
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00272	12-19-26
Vermont	State	VT4000	02-10-25
Virginia	NELAP	460209	12-14-24
Wisconsin	State	399140830	08-31-24

Method Summary

Client: Anchor QEA LLC
Project/Site: Nepera

Job ID: 460-303610-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8151A	Herbicides (GC)	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
D422	Grain Size	ASTM	EET BUR
D4318	Liquid Limit, Plastic Limit and Plasticity Index of Soils	ASTM	EET BUR
D854	Specific Gravity	ASTM	EET BUR
1311	TCLP Extraction	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI
8151A	Extraction (Herbicides)	SW846	EET EDI

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

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

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Anchor QEA LLC
Job ID: 460-303610-1
Project/Site: Nepera

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-303610-1	PL-C-4W-20240508-0.75-3.2	Solid	05/08/24 13:05	05/09/24 20:00
460-303610-2	PL-C-1W-20240508-0.75-4.1	Solid	05/08/24 12:15	05/09/24 20:00
460-303610-3	PL-C-5W-20240508-0.75-7.8	Solid	05/08/24 11:10	05/09/24 20:00
460-303610-4	PL-C-2W-20240508-1.7-7.4	Solid	05/08/24 10:10	05/09/24 20:00
460-303610-5	PL-C-3W-20240508-0.85-3.2	Solid	05/08/24 08:50	05/09/24 20:00
460-303610-6	PL-C-3S-20240508-6.1-6.7	Solid	05/08/24 09:10	05/09/24 20:00
460-303610-7	PL-C-3S-20240508-6.1-8.6	Solid	05/08/24 09:10	05/09/24 20:00
460-303610-8	PL-C-1S-20240508-9.7-10.7	Solid	05/08/24 12:20	05/09/24 20:00
460-303610-9	PL-C-1S-20240508-9.7-14.2	Solid	05/08/24 12:20	05/09/24 20:00
460-303610-10	PL-C-4S-20240508-6.0-6.6	Solid	05/08/24 13:00	05/09/24 20:00
460-303610-11	PL-C-4S-20240508-6.0-9.8	Solid	05/08/24 13:00	05/09/24 20:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Analysis Batch Number: 967428

Lab Sample ID: STD1 460-967428/4 IC Client Sample ID:

Date Analyzed: 04/03/24 17:55 Lab File ID: J02833.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorotrifluoroethene	1.13	Baseline	W9CM	04/04/24 10:50
Chlorodifluoromethane	1.17	Baseline	W9CM	04/04/24 10:53
Acetone	2.12	Baseline	W9CM	04/04/24 10:54
Ethyl acrylate	4.77	Baseline	W9CM	04/04/24 10:54
2-Nitropropane	5.57	Baseline	W9CM	04/04/24 10:54
2-Chloroethyl vinyl ether	5.60	Baseline	W9CM	04/04/24 10:56
n-Butyl acetate	7.20	Baseline	W9CM	04/04/24 10:50
1,2,3-Trichloropropane	9.53	Baseline	W9CM	04/04/24 10:56
trans-1,4-Dichloro-2-butene	9.56	Baseline	W9CM	04/04/24 10:51

Lab Sample ID: STD5 460-967428/5 IC Client Sample ID:

Date Analyzed: 04/03/24 18:20 Lab File ID: J02834.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,2-Dichloropropane	3.29	Baseline	W9CM	04/04/24 10:35
n-Butanol	4.67	Baseline	W9CM	04/04/24 10:47
trans-1,4-Dichloro-2-butene	9.56	Baseline	W9CM	04/04/24 10:36

Lab Sample ID: STD20 460-967428/6 ICIS Client Sample ID:

Date Analyzed: 04/03/24 18:46 Lab File ID: J02835.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isooctane	3.98	Baseline	W9CM	04/04/24 10:37
trans-1,4-Dichloro-2-butene	9.55	Baseline	W9CM	04/04/24 10:37

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Analysis Batch Number: 967428

Lab Sample ID: STD50 460-967428/7 IC Client Sample ID:

Date Analyzed: 04/03/24 19:11 Lab File ID: J02836.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isooctane	3.98	Baseline	W9CM	04/04/24 10:39
trans-1,4-Dichloro-2-butene	9.55	Baseline	W9CM	04/04/24 10:39

Lab Sample ID: STD200 460-967428/8 IC Client Sample ID:

Date Analyzed: 04/03/24 19:36 Lab File ID: J02837.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isooctane	3.99	Baseline	W9CM	04/04/24 10:40
trans-1,4-Dichloro-2-butene	9.55	Baseline	W9CM	04/04/24 10:41

Lab Sample ID: STD500 460-967428/9 IC Client Sample ID:

Date Analyzed: 04/03/24 20:01 Lab File ID: J02838.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trifluoro-2,2-dichloroethane	1.97	Baseline	W9CM	04/04/24 10:41
Isooctane	3.99	Baseline	W9CM	04/04/24 10:45
trans-1,4-Dichloro-2-butene	9.55	Baseline	W9CM	04/04/24 10:42

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Analysis Batch Number: 967428

Lab Sample ID: STD7 460-967428/15 IC Client Sample ID:

Date Analyzed: 04/03/24 22:32 Lab File ID: J02844.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Butadiene	1.35	Baseline	W9CM	04/04/24 10:43
Acrylonitrile	2.61	Baseline	W9CM	04/04/24 10:43
1,1,1,2-Tetrachloroethane		Invalid Compound ID	HVW2	04/03/24 23:05
1,1,1-Trichloroethane		Invalid Compound ID	HVW2	04/03/24 23:04
1,1,1-Trifluoro-2,2-dichloroethane		Invalid Compound ID	HVW2	04/03/24 23:03
1,1,2,2-Tetrachloroethane		Invalid Compound ID	HVW2	04/03/24 23:05
1,1,2-Trichloro-1,2,2-trifluoroethane		Invalid Compound ID	HVW2	04/03/24 23:03
1,1,2-Trichloroethane		Invalid Compound ID	HVW2	04/03/24 23:04
1,1-Dichloroethane		Invalid Compound ID	HVW2	04/03/24 23:04
1,1-Dichloroethene		Invalid Compound ID	HVW2	04/03/24 23:03
1,1-Dichloropropene		Invalid Compound ID	HVW2	04/03/24 23:04
1,2,3-Trichlorobenzene		Invalid Compound ID	HVW2	04/03/24 23:06
1,2,3-Trichloropropane		Invalid Compound ID	HVW2	04/03/24 23:05
1,2,3-Trimethylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
1,2,4,5-Tetramethylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
1,2,4-Trichlorobenzene		Invalid Compound ID	HVW2	04/03/24 23:05
1,2,4-Trimethylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
1,2-Dibromo-3-Chloropropane		Invalid Compound ID	HVW2	04/03/24 23:05
1,2-Dichloro-1,1,2-trifluoroethane		Invalid Compound ID	HVW2	04/03/24 23:03
1,2-Dichlorobenzene		Invalid Compound ID	HVW2	04/03/24 23:05
1,2-Dichloroethane		Invalid Compound ID	HVW2	04/03/24 23:04
1,2-Dichloropropane		Invalid Compound ID	HVW2	04/03/24 23:04
1,3,5-Trichlorobenzene		Invalid Compound ID	HVW2	04/03/24 23:05
1,3,5-Trimethylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
1,3-Dichlorobenzene		Invalid Compound ID	HVW2	04/03/24 23:05
1,3-Dichloropropane		Invalid Compound ID	HVW2	04/03/24 23:05
1,4-Dichlorobenzene		Invalid Compound ID	HVW2	04/03/24 23:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Analysis Batch Number: 967428

Lab Sample ID: STD7 460-967428/15 IC Client Sample ID:

Date Analyzed: 04/03/24 22:32 Lab File ID: J02844.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	HVW2	04/03/24 23:04
2,2-Dichloropropane		Invalid Compound ID	HVW2	04/03/24 23:04
2-Butanone (MEK)		Invalid Compound ID	HVW2	04/03/24 23:04
2-Chloro-1,3-butadiene		Invalid Compound ID	HVW2	04/03/24 23:04
2-Chloroethyl vinyl ether		Invalid Compound ID	HVW2	04/03/24 23:04
2-Chlorotoluene		Invalid Compound ID	HVW2	04/03/24 23:05
2-Hexanone		Invalid Compound ID	HVW2	04/03/24 23:05
2-Methyl-1,3-butadiene		Invalid Compound ID	HVW2	04/03/24 23:03
2-Methyl-2-propanol		Invalid Compound ID	W9CM	04/04/24 10:43
2-Nitropropane		Invalid Compound ID	HVW2	04/03/24 23:04
3-Chloro-1-propene		Invalid Compound ID	HVW2	04/03/24 23:03
4-Chlorotoluene		Invalid Compound ID	HVW2	04/03/24 23:05
4-Ethyltoluene		Invalid Compound ID	HVW2	04/03/24 23:05
4-Isopropyltoluene		Invalid Compound ID	HVW2	04/03/24 23:05
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	HVW2	04/03/24 23:04
Acetone		Invalid Compound ID	HVW2	04/03/24 23:03
Acetonitrile		Invalid Compound ID	HVW2	04/03/24 23:03
Acrolein		Invalid Compound ID	HVW2	04/03/24 23:03
Amyl acetate (mixed isomers)		Invalid Compound ID	HVW2	04/03/24 23:05
Benzene		Invalid Compound ID	HVW2	04/03/24 23:04
Benzyl chloride		Invalid Compound ID	HVW2	04/03/24 23:05
Bromobenzene		Invalid Compound ID	HVW2	04/03/24 23:05
Bromoform		Invalid Compound ID	HVW2	04/03/24 23:05
Bromomethane		Invalid Compound ID	HVW2	04/03/24 23:03
Butyl Methacrylate		Invalid Compound ID	HVW2	04/03/24 23:05
Carbon disulfide		Invalid Compound ID	HVW2	04/03/24 23:03
Carbon tetrachloride		Invalid Compound ID	HVW2	04/03/24 23:04
Chlorobenzene		Invalid Compound ID	HVW2	04/03/24 23:05
Chlorobromomethane		Invalid Compound ID	HVW2	04/03/24 23:04
Chlorodibromomethane		Invalid Compound ID	HVW2	04/03/24 23:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Analysis Batch Number: 967428

Lab Sample ID: STD7 460-967428/15 IC Client Sample ID:

Date Analyzed: 04/03/24 22:32 Lab File ID: J02844.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane		Invalid Compound ID	HVW2	04/03/24 23:03
Chloroethane		Invalid Compound ID	HVW2	04/03/24 23:03
Chloroform		Invalid Compound ID	HVW2	04/03/24 23:04
Chloromethane		Invalid Compound ID	HVW2	04/03/24 23:03
Chlorotrifluoroethene		Invalid Compound ID	HVW2	04/03/24 23:03
cis-1,2-Dichloroethene		Invalid Compound ID	HVW2	04/03/24 23:04
cis-1,3-Dichloropropene		Invalid Compound ID	HVW2	04/03/24 23:04
Cyclohexane		Invalid Compound ID	HVW2	04/03/24 23:04
Cyclopentene		Invalid Compound ID	HVW2	04/03/24 23:03
Dichlorobromomethane		Invalid Compound ID	HVW2	04/03/24 23:04
Dichlorodifluoromethane		Invalid Compound ID	HVW2	04/03/24 23:03
Dichlorofluoromethane		Invalid Compound ID	HVW2	04/03/24 23:03
Ethyl acetate		Invalid Compound ID	HVW2	04/03/24 23:04
Ethyl acrylate		Invalid Compound ID	HVW2	04/03/24 23:04
Ethyl ether		Invalid Compound ID	HVW2	04/03/24 23:03
Ethyl methacrylate		Invalid Compound ID	HVW2	04/03/24 23:04
Ethylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
Ethylene Dibromide		Invalid Compound ID	HVW2	04/03/24 23:05
Hexachlorobutadiene		Invalid Compound ID	HVW2	04/03/24 23:05
Hexane		Invalid Compound ID	HVW2	04/03/24 23:04
Indan		Invalid Compound ID	HVW2	04/03/24 23:05
Iodomethane		Invalid Compound ID	HVW2	04/03/24 23:03
Isobutyl alcohol		Invalid Compound ID	HVW2	04/03/24 23:04
Isooctane		Invalid Compound ID	HVW2	04/03/24 23:04
Isopropyl acetate		Invalid Compound ID	HVW2	04/03/24 23:04
Isopropyl alcohol		Invalid Compound ID	HVW2	04/03/24 23:03
Isopropyl ether		Invalid Compound ID	HVW2	04/03/24 23:04
Isopropylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
Methacrylonitrile		Invalid Compound ID	HVW2	04/03/24 23:04
Methyl acetate		Invalid Compound ID	HVW2	04/03/24 23:03

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Analysis Batch Number: 967428

Lab Sample ID: STD7 460-967428/15 IC Client Sample ID:

Date Analyzed: 04/03/24 22:32 Lab File ID: J02844.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acrylate		Invalid Compound ID	HVW2	04/03/24 23:04
Methyl methacrylate		Invalid Compound ID	HVW2	04/03/24 23:04
Methyl tert-butyl ether		Invalid Compound ID	HVW2	04/03/24 23:04
Methylcyclohexane		Invalid Compound ID	HVW2	04/03/24 23:04
Methylene Chloride		Invalid Compound ID	HVW2	04/03/24 23:03
m-Xylene & p-Xylene		Invalid Compound ID	HVW2	04/03/24 23:05
Naphthalene		Invalid Compound ID	HVW2	04/03/24 23:05
n-Butanol		Invalid Compound ID	HVW2	04/03/24 23:04
n-Butyl acetate		Invalid Compound ID	HVW2	04/03/24 23:05
n-Butyl acrylate		Invalid Compound ID	HVW2	04/03/24 23:05
n-Butylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
n-Heptane		Invalid Compound ID	HVW2	04/03/24 23:04
n-Propyl acetate		Invalid Compound ID	HVW2	04/03/24 23:04
N-Propylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
o-Xylene		Invalid Compound ID	HVW2	04/03/24 23:05
p-Diethylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
Pentane		Invalid Compound ID	HVW2	04/03/24 23:03
Propionitrile		Invalid Compound ID	HVW2	04/03/24 23:04
sec-Butylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
Styrene		Invalid Compound ID	HVW2	04/03/24 23:05
Tert-amyl methyl ether		Invalid Compound ID	HVW2	04/03/24 23:04
Tert-butyl ethyl ether		Invalid Compound ID	HVW2	04/03/24 23:04
tert-Butylbenzene		Invalid Compound ID	HVW2	04/03/24 23:05
Tetrachloroethene		Invalid Compound ID	HVW2	04/03/24 23:05
Tetrahydrofuran		Invalid Compound ID	HVW2	04/03/24 23:04
Toluene		Invalid Compound ID	HVW2	04/03/24 23:04
trans-1,2-Dichloroethene		Invalid Compound ID	HVW2	04/03/24 23:04
trans-1,3-Dichloropropene		Invalid Compound ID	HVW2	04/03/24 23:04
trans-1,4-Dichloro-2-butene		Invalid Compound ID	HVW2	04/03/24 23:05
Trichloroethene		Invalid Compound ID	HVW2	04/03/24 23:04

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Analysis Batch Number: 967428

Lab Sample ID: STD7 460-967428/15 IC Client Sample ID:

Date Analyzed: 04/03/24 22:32 Lab File ID: J02844.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane		Invalid Compound ID	HVW2	04/03/24 23:03
Vinyl acetate		Invalid Compound ID	HVW2	04/03/24 23:04
Vinyl chloride		Invalid Compound ID	HVW2	04/03/24 23:03

Lab Sample ID: ICV 460-967428/16 Client Sample ID:

Date Analyzed: 04/03/24 22:57 Lab File ID: J02845.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,4-Dichloro-2-butene	9.55	Baseline	W9CM	04/04/24 11:01

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Analysis Batch Number: 975195

Lab Sample ID: CCVIS 460-975195/3 Client Sample ID:

Date Analyzed: 05/16/24 08:38 Lab File ID: J04412.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Epichlorohydrin	5.68	Peak assignment corrected	RD6L	05/16/24 09:14
trans-1,4-Dichloro-2-butene	9.54	Peak assignment corrected	RD6L	05/16/24 09:14

Lab Sample ID: 460-303610-1 Client Sample ID: PL-C-4W-20240508-0.75-3.2

Date Analyzed: 05/16/24 17:01 Lab File ID: J04432.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane		Invalid Compound ID	XE5L	05/16/24 18:57

Lab Sample ID: 460-303610-3 Client Sample ID: PL-C-5W-20240508-0.75-7.8

Date Analyzed: 05/16/24 17:51 Lab File ID: J04434.D GC Column: Rtx-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane		Invalid Compound ID	XE5L	05/16/24 18:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CBNAMS18 Analysis Batch Number: 969996

Lab Sample ID: STD24 460-969996/3 IC Client Sample ID:

Date Analyzed: 04/17/24 12:39 Lab File ID: P84778.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.54	Baseline	G4KC	04/17/24 13:38
Caprolactam	5.58	Baseline	G4KC	04/17/24 13:39
2,4-Dinitrotoluene	6.97	Baseline	G4KC	04/17/24 13:39

Lab Sample ID: STD16 460-969996/4 IC Client Sample ID:

Date Analyzed: 04/17/24 13:21 Lab File ID: P84780.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.51	Peak assignment corrected	G4KC	04/18/24 06:37
2,4-Dinitrotoluene	6.96	Peak assignment corrected	G4KC	04/18/24 07:16

Lab Sample ID: STD2 460-969996/6 IC Client Sample ID:

Date Analyzed: 04/17/24 14:46 Lab File ID: P84784.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethoxy)methane	4.87	Peak assignment corrected	G4KC	04/18/24 07:18

Lab Sample ID: STD1 460-969996/7 IC Client Sample ID:

Date Analyzed: 04/17/24 15:28 Lab File ID: P84786.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Nitroaniline	6.74	Peak assignment corrected	G4KC	04/18/24 07:19

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CBNAMS18 Analysis Batch Number: 969996

Lab Sample ID: STD02 460-969996/9 IC Client Sample ID:

Date Analyzed: 04/17/24 16:53 Lab File ID: P84790.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrotoluene	6.96	Peak assignment corrected	G4KC	04/18/24 07:20
Benzo[g,h,i]perylene	14.07	Peak assignment corrected	G4KC	04/18/24 07:20

Lab Sample ID: STD01 460-969996/10 IC Client Sample ID:

Date Analyzed: 04/17/24 17:35 Lab File ID: P84792.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.67	Peak assignment corrected	G4KC	04/18/24 06:36

Lab Sample ID: ICIS 460-969996/11 Client Sample ID:

Date Analyzed: 04/17/24 18:18 Lab File ID: P84794.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrotoluene	6.96	Peak assignment corrected	G4KC	04/18/24 06:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CBNAMS18 Analysis Batch Number: 974604

Lab Sample ID: CCVIS 460-974604/2 Client Sample ID:

Date Analyzed: 05/13/24 18:56 Lab File ID: P85193.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrotoluene	6.85	Incomplete Integration	DY9Z	05/13/24 19:29

Lab Sample ID: 460-303610-2 Client Sample ID: PL-C-1W-20240508-0.75-4.1

Date Analyzed: 05/14/24 01:19 Lab File ID: P85208.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrotoluene		Invalid Compound ID	C8UP	05/14/24 13:13

Lab Sample ID: 460-303610-3 Client Sample ID: PL-C-5W-20240508-0.75-7.8

Date Analyzed: 05/14/24 01:40 Lab File ID: P85209.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrotoluene		Invalid Compound ID	C8UP	05/14/24 13:13
Nitrobenzene		Invalid Compound ID	C8UP	05/14/24 13:13

Lab Sample ID: 460-303610-4 Client Sample ID: PL-C-2W-20240508-1.7-7.4

Date Analyzed: 05/14/24 02:01 Lab File ID: P85210.D GC Column: Rtxi-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrotoluene		Invalid Compound ID	C8UP	05/14/24 13:58

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: ICIS 460-967880/3 Client Sample ID:

Date Analyzed: 04/05/24 08:38 Lab File ID: 12F0059954.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-BHC (Lindane)	2.61	Peak not integrated	ESS0	04/05/24 08:54
beta-BHC	2.66	Peak not integrated	ESS0	04/05/24 08:54
delta-BHC	2.93	Peak not integrated	ESS0	04/05/24 08:54
Heptachlor	3.00	Peak not integrated	ESS0	04/05/24 08:54
cis-Chlordane	4.39	Peak not integrated	ESS0	04/05/24 08:54
Endosulfan I	4.47	Peak not integrated	ESS0	04/05/24 08:54
Mirex	6.72	Peak not integrated	ESS0	04/05/24 08:54
Endrin ketone	6.83	Peak not integrated	ESS0	04/05/24 08:54

Lab Sample ID: ICIS 460-967880/3 Client Sample ID:

Date Analyzed: 04/05/24 08:38 Lab File ID: 12F0059954.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-Chlordane	3.75	Peak not integrated	ESS0	04/05/24 08:54
4,4'-DDE	3.84	Peak not integrated	ESS0	04/05/24 08:54
Endosulfan I	3.90	Peak not integrated	ESS0	04/05/24 08:54
Endrin	4.41	Peak not integrated	ESS0	04/05/24 08:54
4,4'-DDD	4.50	Peak not integrated	ESS0	04/05/24 08:54
Methoxychlor	5.33	Peak not integrated	ESS0	04/05/24 08:54
Mirex	5.40	Peak not integrated	ESS0	04/05/24 08:54

Lab Sample ID: IC 460-967880/4 Client Sample ID:

Date Analyzed: 04/05/24 08:50 Lab File ID: 12F0059955.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	5.12	Peak not integrated	ESS0	04/05/24 09:13
4,4'-DDD	5.25	Peak not integrated	ESS0	04/05/24 09:13
Endosulfan II	5.33	Peak not integrated	ESS0	04/05/24 09:13

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: IC 460-967880/4 Client Sample ID:

Date Analyzed: 04/05/24 08:50 Lab File ID: 12F0059955.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-BHC (Lindane)	2.31	Peak not integrated	ESS0	04/05/24 09:13
beta-BHC	2.36	Peak not integrated	ESS0	04/05/24 09:13
Endrin aldehyde	5.10	Peak not integrated	ESS0	04/05/24 09:13
Methoxychlor	5.33	Peak not integrated	ESS0	04/05/24 09:13
Mirex	5.40	Peak not integrated	ESS0	04/05/24 09:13
Endosulfan sulfate	5.51	Peak not integrated	ESS0	04/05/24 09:13
Endrin ketone	5.79	Peak not integrated	ESS0	04/05/24 09:13

Lab Sample ID: IC 460-967880/5 Client Sample ID:

Date Analyzed: 04/05/24 09:03 Lab File ID: 12F0059956.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-BHC (Lindane)	2.61	Peak not integrated	ESS0	04/05/24 09:16
beta-BHC	2.66	Peak not integrated	ESS0	04/05/24 09:16
delta-BHC	2.93	Peak not integrated	ESS0	04/05/24 09:17
Heptachlor	3.00	Peak not integrated	ESS0	04/05/24 09:17
cis-Chlordane	4.39	Peak not integrated	ESS0	04/05/24 09:17
Endosulfan I	4.47	Peak not integrated	ESS0	04/05/24 09:17
Mirex	6.72	Peak not integrated	ESS0	04/05/24 09:17
Endrin ketone	6.83	Peak not integrated	ESS0	04/05/24 09:17

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: IC 460-967880/7 Client Sample ID:

Date Analyzed: 04/05/24 09:27 Lab File ID: 12F0059958.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-BHC (Lindane)	2.61	Peak not integrated	ESS0	04/05/24 09:43
beta-BHC	2.66	Peak not integrated	ESS0	04/05/24 09:43
delta-BHC	2.93	Peak not integrated	ESS0	04/05/24 09:43
Heptachlor	3.01	Peak not integrated	ESS0	04/05/24 09:43
cis-Chlordane	4.40	Peak not integrated	ESS0	04/05/24 09:43
Endosulfan I	4.47	Peak not integrated	ESS0	04/05/24 09:43
Dieldrin	4.80	Peak not integrated	ESS0	04/05/24 09:43
Endrin	5.12	Peak not integrated	ESS0	04/05/24 09:43
4,4'-DDD	5.25	Peak not integrated	ESS0	04/05/24 09:43
Endosulfan II	5.33	Peak not integrated	ESS0	04/05/24 09:43
Endrin aldehyde	5.68	Peak not integrated	ESS0	04/05/24 09:43
Mirex	6.73	Peak not integrated	ESS0	04/05/24 09:43
Endrin ketone	6.83	Peak not integrated	ESS0	04/05/24 09:43

Lab Sample ID: IC 460-967880/7 Client Sample ID:

Date Analyzed: 04/05/24 09:27 Lab File ID: 12F0059958.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-Chlordane	3.75	Peak not integrated	ESS0	04/05/24 09:43
4,4'-DDE	3.84	Peak not integrated	ESS0	04/05/24 09:43
Endosulfan I	3.90	Peak not integrated	ESS0	04/05/24 09:43
Endrin	4.41	Peak not integrated	ESS0	04/05/24 09:43
4,4'-DDD	4.51	Peak not integrated	ESS0	04/05/24 09:43
Methoxychlor	5.33	Peak not integrated	ESS0	04/05/24 09:43
Mirex	5.40	Peak not integrated	ESS0	04/05/24 09:43

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: IC 460-967880/8 ICIS Client Sample ID:

Date Analyzed: 04/05/24 09:40 Lab File ID: 12F0059959.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.47	Peak not integrated	ESS0	04/05/24 10:05

Lab Sample ID: IC 460-967880/8 ICIS Client Sample ID:

Date Analyzed: 04/05/24 09:40 Lab File ID: 12F0059959.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.44	Peak not integrated	ESS0	04/05/24 10:05

Lab Sample ID: IC 460-967880/12 ICIS Client Sample ID:

Date Analyzed: 04/05/24 10:29 Lab File ID: 12F0059963.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		

Lab Sample ID: IC 460-967880/12 ICIS Client Sample ID:

Date Analyzed: 04/05/24 10:29 Lab File ID: 12F0059963.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: ICV 460-967880/15 Client Sample ID:

Date Analyzed: 04/05/24 11:06 Lab File ID: 12F0059966.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Chlordane (n.o.s.) Peak 1	2.86	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 1	2.86	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.) Peak 2	3.50	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 2	3.50	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.) Peak 3	4.22	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 3	4.22	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.) Peak 4	4.32	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 4	4.32	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.) Peak 5	4.39	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 5	4.39	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.)		Unspecified		

Lab Sample ID: ICV 460-967880/15 Client Sample ID:

Date Analyzed: 04/05/24 11:06 Lab File ID: 12F0059966.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Chlordane (n.o.s.) Peak 1	2.59	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 1	2.59	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.) Peak 2	3.00	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 2	3.00	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.) Peak 3	3.39	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 3	3.39	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.) Peak 4	3.60	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 4	3.60	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.) Peak 5	3.74	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (technical) Peak 5	3.74	Peak not integrated	ESS0	04/08/24 03:11
Chlordane (n.o.s.)		Unspecified		

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: IC 460-967880/16 Client Sample ID:

Date Analyzed: 04/05/24 11:18 Lab File ID: 12F0059967.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.66	Peak not integrated	ESS0	04/08/24 03:17
Toxaphene Peak 2	4.79	Peak not integrated	ESS0	04/08/24 03:17
Toxaphene Peak 3	5.03	Peak not integrated	ESS0	04/08/24 03:17
Toxaphene Peak 4	5.22	Peak not integrated	ESS0	04/08/24 03:17
Toxaphene Peak 5	5.41	Peak not integrated	ESS0	04/08/24 03:17

Lab Sample ID: IC 460-967880/17 Client Sample ID:

Date Analyzed: 04/05/24 11:30 Lab File ID: 12F0059968.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.78	Peak not integrated	ESS0	04/08/24 03:11
Toxaphene Peak 2	5.31	Peak not integrated	ESS0	04/08/24 03:11
Toxaphene Peak 3	5.40	Peak not integrated	ESS0	04/08/24 03:11
Toxaphene Peak 4	5.68	Peak not integrated	ESS0	04/08/24 03:11
Toxaphene Peak 5	6.34	Peak not integrated	ESS0	04/08/24 03:11

Lab Sample ID: IC 460-967880/17 Client Sample ID:

Date Analyzed: 04/05/24 11:30 Lab File ID: 12F0059968.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.66	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 2	4.79	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 3	5.02	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 4	5.22	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 5	5.40	Peak not integrated	ESS0	04/08/24 03:12

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: IC 460-967880/18 ICIS Client Sample ID:

Date Analyzed: 04/05/24 11:43 Lab File ID: 12F0059969.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.78	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 2	5.31	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 3	5.40	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 4	5.68	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 5	6.34	Peak not integrated	ESS0	04/08/24 03:12

Lab Sample ID: IC 460-967880/18 ICIS Client Sample ID:

Date Analyzed: 04/05/24 11:43 Lab File ID: 12F0059969.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.66	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 2	4.79	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 3	5.03	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 4	5.22	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 5	5.41	Peak not integrated	ESS0	04/08/24 03:12

Lab Sample ID: IC 460-967880/19 Client Sample ID:

Date Analyzed: 04/05/24 11:55 Lab File ID: 12F0059970.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.78	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 2	5.31	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 3	5.40	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 4	5.68	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 5	6.34	Peak not integrated	ESS0	04/08/24 03:12

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: IC 460-967880/19 Client Sample ID:

Date Analyzed: 04/05/24 11:55 Lab File ID: 12F0059970.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.66	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 2	4.79	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 3	5.03	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 4	5.22	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 5	5.41	Peak not integrated	ESS0	04/08/24 03:12

Lab Sample ID: IC 460-967880/20 Client Sample ID:

Date Analyzed: 04/05/24 12:07 Lab File ID: 12F0059971.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.78	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 2	5.31	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 3	5.40	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 4	5.68	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 5	6.34	Peak not integrated	ESS0	04/08/24 03:12

Lab Sample ID: IC 460-967880/20 Client Sample ID:

Date Analyzed: 04/05/24 12:07 Lab File ID: 12F0059971.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.66	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 2	4.79	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 3	5.03	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 4	5.22	Peak not integrated	ESS0	04/08/24 03:12
Toxaphene Peak 5	5.41	Peak not integrated	ESS0	04/08/24 03:12

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 967880

Lab Sample ID: ICV 460-967880/21 Client Sample ID:

Date Analyzed: 04/05/24 12:20 Lab File ID: 12F0059972.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.78	Peak not integrated	ESS0	04/08/24 03:13
Toxaphene Peak 2	5.31	Peak not integrated	ESS0	04/08/24 03:13
Toxaphene Peak 3	5.40	Peak not integrated	ESS0	04/08/24 03:13
Toxaphene Peak 4	5.68	Peak not integrated	ESS0	04/08/24 03:13
Toxaphene Peak 5	6.34	Peak not integrated	ESS0	04/08/24 03:13

Lab Sample ID: ICV 460-967880/21 Client Sample ID:

Date Analyzed: 04/05/24 12:20 Lab File ID: 12F0059972.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.66	Peak not integrated	ESS0	04/08/24 03:13
Toxaphene Peak 2	4.79	Peak not integrated	ESS0	04/08/24 03:13
Toxaphene Peak 3	5.02	Peak not integrated	ESS0	04/08/24 03:13
Toxaphene Peak 4	5.22	Peak not integrated	ESS0	04/08/24 03:13
Toxaphene Peak 5	5.41	Peak not integrated	ESS0	04/08/24 03:13

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: PIBLK 460-974654/1 Client Sample ID:

Date Analyzed: 05/14/24 02:16 Lab File ID: 12F0061044.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 02:39
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 02:39
Heptachlor		Invalid Compound ID	ESS0	05/14/24 02:39
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 02:39
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 02:39
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 02:39
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 02:39
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 02:39
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 02:39
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 02:39

Lab Sample ID: PIBLK 460-974654/1 Client Sample ID:

Date Analyzed: 05/14/24 02:16 Lab File ID: 12F0061044.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Unspecified		
gamma-BHC (Lindane)		Unspecified		
Heptachlor		Invalid Compound ID	ESS0	05/14/24 02:39
Heptachlor epoxide		Unspecified		
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 02:39
Toxaphene Peak 1		Unspecified		
Toxaphene Peak 2		Unspecified		
Toxaphene Peak 3		Unspecified		
Toxaphene Peak 4		Unspecified		
Toxaphene Peak 5		Unspecified		

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: CCVIS 460-974654/3 Client Sample ID:

Date Analyzed: 05/14/24 02:40 Lab File ID: 12F0061046.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-BHC (Lindane)	2.59	Baseline Smoothing	ESS0	05/14/24 03:06
beta-BHC	2.64	Baseline Smoothing	ESS0	05/14/24 03:06
delta-BHC	2.91	Baseline Smoothing	ESS0	05/14/24 03:06
Heptachlor	2.98	Baseline Smoothing	ESS0	05/14/24 03:06
cis-Chlordane	4.36	Baseline Smoothing	ESS0	05/14/24 03:06
Endosulfan I	4.43	Baseline Smoothing	ESS0	05/14/24 03:06
Mirex	6.67	Baseline Smoothing	ESS0	05/14/24 03:06
Endrin ketone	6.77	Baseline Smoothing	ESS0	05/14/24 03:06

Lab Sample ID: CCVIS 460-974654/3 Client Sample ID:

Date Analyzed: 05/14/24 02:40 Lab File ID: 12F0061046.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.44	Baseline Smoothing	ESS0	05/14/24 03:05
cis-Chlordane	3.71	Baseline Smoothing	ESS0	05/14/24 03:06
4,4'-DDE	3.80	Baseline Smoothing	ESS0	05/14/24 03:06
Endosulfan I	3.86	Baseline Smoothing	ESS0	05/14/24 03:06
Methoxychlor	5.29	Baseline Smoothing	ESS0	05/14/24 03:06
Mirex	5.37	Baseline Smoothing	ESS0	05/14/24 03:06
Endosulfan sulfate	5.47	Baseline Smoothing	ESS0	05/14/24 03:06

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: CCV 460-974654/4 Client Sample ID:

Date Analyzed: 05/14/24 02:53 Lab File ID: 12F0061047.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Chlordane (n.o.s.) Peak 1	2.57	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (technical) Peak 1	2.57	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (n.o.s.) Peak 2	2.98	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (technical) Peak 2	2.98	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (n.o.s.) Peak 3	3.36	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (technical) Peak 3	3.36	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (n.o.s.) Peak 4	3.56	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (technical) Peak 4	3.56	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (n.o.s.) Peak 5	3.70	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (technical) Peak 5	3.70	Baseline Smoothing	ESS0	05/14/24 03:08
Chlordane (n.o.s.)		Unspecified		

Lab Sample ID: CCV 460-974654/5 Client Sample ID:

Date Analyzed: 05/14/24 03:05 Lab File ID: 12F0061048.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.75	Baseline Smoothing	ESS0	05/14/24 03:19
Toxaphene Peak 2	5.28	Baseline Smoothing	ESS0	05/14/24 03:19
Toxaphene Peak 3	5.37	Baseline Smoothing	ESS0	05/14/24 03:19
Toxaphene Peak 4	5.64	Baseline Smoothing	ESS0	05/14/24 03:19
Toxaphene Peak 5	6.30	Baseline Smoothing	ESS0	05/14/24 03:19

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: CCV 460-974654/5 Client Sample ID:

Date Analyzed: 05/14/24 03:05 Lab File ID: 12F0061048.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Unspecified		
Toxaphene Peak 1	4.62	Baseline Smoothing	ESS0	05/14/24 03:19
Toxaphene Peak 2	4.75	Baseline Smoothing	ESS0	05/14/24 03:19
Toxaphene Peak 3	4.99	Baseline Smoothing	ESS0	05/14/24 03:19
Toxaphene Peak 4	5.18	Baseline Smoothing	ESS0	05/14/24 03:19
Toxaphene Peak 5	5.37	Baseline Smoothing	ESS0	05/14/24 03:19

Lab Sample ID: LCS 460-974528/2-A Client Sample ID:

Date Analyzed: 05/14/24 03:17 Lab File ID: 12F0061049.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-BHC (Lindane)	2.59	Baseline Smoothing	ESS0	05/14/24 04:24
Heptachlor	2.98	Baseline Smoothing	ESS0	05/14/24 04:24

Lab Sample ID: LCS 460-974528/2-A Client Sample ID:

Date Analyzed: 05/14/24 03:17 Lab File ID: 12F0061049.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	4.36	Baseline Smoothing	ESS0	05/14/24 04:25
Methoxychlor	5.29	Baseline Smoothing	ESS0	05/14/24 04:25

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: MB 460-974528/1-A Client Sample ID:

Date Analyzed: 05/14/24 03:42 Lab File ID: 12F0061051.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 03:58
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 03:58
Heptachlor		Invalid Compound ID	ESS0	05/14/24 03:58
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 03:58
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 03:58

Lab Sample ID: MB 460-974528/1-A Client Sample ID:

Date Analyzed: 05/14/24 03:42 Lab File ID: 12F0061051.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 03:58
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 03:58
Heptachlor		Unspecified		
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 03:58
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 03:58
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 03:58

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: LCSD 460-974528/3-A Client Sample ID:

Date Analyzed: 05/14/24 03:54 Lab File ID: 12F0061052.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-BHC (Lindane)	2.59	Baseline Smoothing	ESS0	05/14/24 04:23
Heptachlor	2.98	Baseline Smoothing	ESS0	05/14/24 04:23

Lab Sample ID: LCSD 460-974528/3-A Client Sample ID:

Date Analyzed: 05/14/24 03:54 Lab File ID: 12F0061052.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	4.36	Baseline Smoothing	ESS0	05/14/24 04:23
Methoxychlor	5.29	Baseline Smoothing	ESS0	05/14/24 04:23

Lab Sample ID: LB 460-974423/1-C Client Sample ID:

Date Analyzed: 05/14/24 04:06 Lab File ID: 12F0061053.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 04:44
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 04:44
Heptachlor		Invalid Compound ID	ESS0	05/14/24 04:44
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 04:44
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 04:44

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: LB 460-974423/1-C Client Sample ID:

Date Analyzed: 05/14/24 04:06 Lab File ID: 12F0061053.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 04:44
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 04:44
Heptachlor		Unspecified		
Heptachlor epoxide		Unspecified		
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 04:44
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 04:44

Lab Sample ID: 460-303610-1 Client Sample ID: PL-C-4W-20240508-0.75-3.2

Date Analyzed: 05/14/24 04:31 Lab File ID: 12F0061055.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 04:43
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 04:43
Heptachlor		Invalid Compound ID	ESS0	05/14/24 04:43
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 04:43
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 04:43

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: 460-303610-1 Client Sample ID: PL-C-4W-20240508-0.75-3.2

Date Analyzed: 05/14/24 04:31 Lab File ID: 12F0061055.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Unspecified		
gamma-BHC (Lindane)		Unspecified		
Heptachlor		Invalid Compound ID	ESS0	05/14/24 04:43
Heptachlor epoxide		Unspecified		
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 04:43
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 04:43

Lab Sample ID: 460-303610-2 Client Sample ID: PL-C-1W-20240508-0.75-4.1

Date Analyzed: 05/14/24 04:43 Lab File ID: 12F0061056.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 05:04
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 05:04
Heptachlor		Invalid Compound ID	ESS0	05/14/24 05:04
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 05:04
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 05:04
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 05:04
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 05:04
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 05:04
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 05:04
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 05:04

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: 460-303610-2 Client Sample ID: PL-C-1W-20240508-0.75-4.1

Date Analyzed: 05/14/24 04:43 Lab File ID: 12F0061056.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Unspecified		
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 05:04
Heptachlor		Unspecified		
Heptachlor epoxide		Unspecified		
Methoxychlor		Unspecified		
Toxaphene Peak 1		Unspecified		
Toxaphene Peak 2		Unspecified		
Toxaphene Peak 3		Unspecified		
Toxaphene Peak 4		Unspecified		
Toxaphene Peak 5		Unspecified		

Lab Sample ID: 460-303610-3 Client Sample ID: PL-C-5W-20240508-0.75-7.8

Date Analyzed: 05/14/24 04:56 Lab File ID: 12F0061057.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 05:15
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 05:15
Heptachlor		Invalid Compound ID	ESS0	05/14/24 05:15
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 05:15
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 05:15
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 05:15
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 05:15
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 05:15
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 05:15
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 05:15

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: 460-303610-3 Client Sample ID: PL-C-5W-20240508-0.75-7.8

Date Analyzed: 05/14/24 04:56 Lab File ID: 12F0061057.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Unspecified		
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 05:15
Heptachlor		Unspecified		
Heptachlor epoxide		Unspecified		
Methoxychlor		Unspecified		
Toxaphene Peak 1		Unspecified		
Toxaphene Peak 2		Unspecified		
Toxaphene Peak 3		Unspecified		
Toxaphene Peak 4		Unspecified		
Toxaphene Peak 5		Unspecified		

Lab Sample ID: 460-303610-4 Client Sample ID: PL-C-2W-20240508-1.7-7.4

Date Analyzed: 05/14/24 05:08 Lab File ID: 12F0061058.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 05:39
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 05:39
Heptachlor		Invalid Compound ID	ESS0	05/14/24 05:39
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 05:39
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 05:39

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: 460-303610-4 Client Sample ID: PL-C-2W-20240508-1.7-7.4

Date Analyzed: 05/14/24 05:08 Lab File ID: 12F0061058.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Unspecified		
gamma-BHC (Lindane)		Unspecified		
Heptachlor		Invalid Compound ID	ESS0	05/14/24 05:39
Heptachlor epoxide		Unspecified		
Methoxychlor		Unspecified		
Toxaphene Peak 1		Unspecified		
Toxaphene Peak 2		Unspecified		
Toxaphene Peak 3		Unspecified		
Toxaphene Peak 4		Unspecified		
Toxaphene Peak 5		Unspecified		

Lab Sample ID: 460-303610-5 Client Sample ID: PL-C-3W-20240508-0.85-3.2

Date Analyzed: 05/14/24 05:20 Lab File ID: 12F0061059.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Invalid Compound ID	ESS0	05/14/24 05:39
gamma-BHC (Lindane)		Invalid Compound ID	ESS0	05/14/24 05:39
Heptachlor		Invalid Compound ID	ESS0	05/14/24 05:39
Heptachlor epoxide		Invalid Compound ID	ESS0	05/14/24 05:39
Methoxychlor		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 1		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 2		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 3		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 4		Invalid Compound ID	ESS0	05/14/24 05:39
Toxaphene Peak 5		Invalid Compound ID	ESS0	05/14/24 05:39

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Analysis Batch Number: 974654

Lab Sample ID: 460-303610-5 Client Sample ID: PL-C-3W-20240508-0.85-3.2

Date Analyzed: 05/14/24 05:20 Lab File ID: 12F0061059.D GC Column: Rtx-CLP ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical)		Unspecified		
Toxaphene		Unspecified		
Endrin		Unspecified		
gamma-BHC (Lindane)		Unspecified		
Heptachlor		Unspecified		
Heptachlor epoxide		Unspecified		
Methoxychlor		Unspecified		
Toxaphene Peak 1		Unspecified		
Toxaphene Peak 2		Unspecified		
Toxaphene Peak 3		Unspecified		
Toxaphene Peak 4		Unspecified		
Toxaphene Peak 5		Unspecified		

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC15 Analysis Batch Number: 974303

Lab Sample ID: IC 460-974303/3 Client Sample ID:

Date Analyzed: 05/11/24 09:17 Lab File ID: 15F0206400.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:14

Lab Sample ID: IC 460-974303/4 Client Sample ID:

Date Analyzed: 05/11/24 09:31 Lab File ID: 15F0206401.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:14

Lab Sample ID: IC 460-974303/5 ICRT Client Sample ID:

Date Analyzed: 05/11/24 09:44 Lab File ID: 15F0206402.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:15

Lab Sample ID: IC 460-974303/5 ICRT Client Sample ID:

Date Analyzed: 05/11/24 09:44 Lab File ID: 15F0206402.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:14

Lab Sample ID: IC 460-974303/6 Client Sample ID:

Date Analyzed: 05/11/24 09:57 Lab File ID: 15F0206403.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:14

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC15 Analysis Batch Number: 974303

Lab Sample ID: IC 460-974303/6 Client Sample ID:

Date Analyzed: 05/11/24 09:57 Lab File ID: 15F0206403.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:14

Lab Sample ID: IC 460-974303/7 Client Sample ID:

Date Analyzed: 05/11/24 10:11 Lab File ID: 15F0206404.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:33

Lab Sample ID: IC 460-974303/7 Client Sample ID:

Date Analyzed: 05/11/24 10:11 Lab File ID: 15F0206404.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:33

Lab Sample ID: ICV 460-974303/8 Client Sample ID:

Date Analyzed: 05/11/24 10:24 Lab File ID: 15F0206405.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:41

Lab Sample ID: ICV 460-974303/8 Client Sample ID:

Date Analyzed: 05/11/24 10:24 Lab File ID: 15F0206405.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Baseline Smoothing	OR9X	05/11/24 10:41

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC15 Analysis Batch Number: 974543

Lab Sample ID: CCVRT 460-974543/1 Client Sample ID:

Date Analyzed: 05/14/24 06:33 Lab File ID: 15F0206445.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Incomplete Integration	SE1K	05/14/24 06:50

Lab Sample ID: CCVRT 460-974543/1 Client Sample ID:

Date Analyzed: 05/14/24 06:33 Lab File ID: 15F0206445.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Incomplete Integration	SE1K	05/14/24 06:50

Lab Sample ID: LB 460-974423/1-D Client Sample ID:

Date Analyzed: 05/14/24 07:32 Lab File ID: 15F0206449.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 08:16
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 08:16

Lab Sample ID: LB 460-974423/1-D Client Sample ID:

Date Analyzed: 05/14/24 07:32 Lab File ID: 15F0206449.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Unspecified		
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 08:16

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC15 Analysis Batch Number: 974543

Lab Sample ID: 460-303610-1 Client Sample ID: PL-C-4W-20240508-0.75-3.2

Date Analyzed: 05/14/24 07:59 Lab File ID: 15F0206451.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 08:42
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 08:42

Lab Sample ID: 460-303610-1 Client Sample ID: PL-C-4W-20240508-0.75-3.2

Date Analyzed: 05/14/24 07:59 Lab File ID: 15F0206451.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Unspecified		
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 08:42

Lab Sample ID: 460-303610-2 Client Sample ID: PL-C-1W-20240508-0.75-4.1

Date Analyzed: 05/14/24 08:12 Lab File ID: 15F0206452.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 08:42
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 08:42

Lab Sample ID: 460-303610-2 Client Sample ID: PL-C-1W-20240508-0.75-4.1

Date Analyzed: 05/14/24 08:12 Lab File ID: 15F0206452.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Unspecified		
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 08:42

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC15 Analysis Batch Number: 974543

Lab Sample ID: 460-303610-3 Client Sample ID: PL-C-5W-20240508-0.75-7.8

Date Analyzed: 05/14/24 08:25 Lab File ID: 15F0206453.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 11:27
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 11:27

Lab Sample ID: 460-303610-3 Client Sample ID: PL-C-5W-20240508-0.75-7.8

Date Analyzed: 05/14/24 08:25 Lab File ID: 15F0206453.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 11:27
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 11:27

Lab Sample ID: 460-303610-4 Client Sample ID: PL-C-2W-20240508-1.7-7.4

Date Analyzed: 05/14/24 08:39 Lab File ID: 15F0206454.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 08:56
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 08:56

Lab Sample ID: 460-303610-4 Client Sample ID: PL-C-2W-20240508-1.7-7.4

Date Analyzed: 05/14/24 08:39 Lab File ID: 15F0206454.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 08:56
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 08:56

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC15 Analysis Batch Number: 974543

Lab Sample ID: 460-303610-5 Client Sample ID: PL-C-3W-20240508-0.85-3.2

Date Analyzed: 05/14/24 08:52 Lab File ID: 15F0206455.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 09:06
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 09:06

Lab Sample ID: 460-303610-5 Client Sample ID: PL-C-3W-20240508-0.85-3.2

Date Analyzed: 05/14/24 08:52 Lab File ID: 15F0206455.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-D		Invalid Compound ID	SE1K	05/14/24 09:06
Silvex (2,4,5-TP)		Invalid Compound ID	SE1K	05/14/24 09:06

Lab Sample ID: CCV 460-974543/13 Client Sample ID:

Date Analyzed: 05/14/24 09:19 Lab File ID: 15F0206457.D GC Column: DB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Incomplete Integration	SE1K	05/14/24 09:46

Lab Sample ID: CCV 460-974543/13 Client Sample ID:

Date Analyzed: 05/14/24 09:19 Lab File ID: 15F0206457.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	0.58	Incomplete Integration	SE1K	05/14/24 09:46

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
14DIOXINTER_00167	04/15/24	03/15/24	MeOH, Lot 22L0562016	10 mL	14DIOXINTER_00154	100 uL	1,4-Dioxane	500.001 ug/mL
.14DIOXINTER_00154	02/28/25	03/31/23	MeOH, Lot 22C2862010	10 mL	14DIOXNEAT_00004	483.56 uL	1,4-Dioxane	50000.1 ug/mL
..14DIOXNEAT_00004	02/28/25	SIGMA-ALDRICH, Lot BCCH3811			(Purchased Reagent)		1,4-Dioxane	1.034 g/g
524FREONS_00016	04/15/24	03/15/24	MeOH, Lot 22L0562016	50 mL	7 Freons_00003	1.25 mL	1,1,1-Trifluoro-2,2-dichloroethane	50 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Chlorodifluoromethane	50 ug/mL
							Chlorotrifluoroethene	50 ug/mL
.7 Freons_00003	04/07/26	Absolute, Lot 040723			(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
7 Freons Hi_00013	05/02/24	04/02/24	MeOH, Lot 22L0562016	5 mL	7 Freons_00003	1.25 mL	1,1,1-Trifluoro-2,2-dichloroethane	500 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	500 ug/mL
							Chlorodifluoromethane	500 ug/mL
							Chlorotrifluoroethene	500 ug/mL
.7 Freons_00003	04/07/26	Absolute, Lot 040723			(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
8260 SP_00178	04/15/24	03/15/24	MeOH, Lot 22L0562016	10 mL	KetonesC SS_00016	200 uL	2-Butanone (MEK)	250 ug/mL
					Mega Mix SS_00020	200 uL	1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							Benzene	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Trichloroethene	50 ug/mL
.KetonesC SS_00016	02/28/26	RESTEK, Lot A0194631			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
.Mega Mix SS_00020	08/31/25	RESTEK, Lot A0195252			(Purchased Reagent)		1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							Benzene	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Trichloroethene	2500 ug/mL
8260ISNEW_00171	05/31/26	RESTEK, Lot A0172729			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane-d8	5000 ug/mL
							2-Butanone-d5	1250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
8260ISNEW_00203	03/31/29		RESTEK, Lot A0208757		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							2-Butanone-d5	1250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
8260MIX1COMB_00185	04/23/24	03/23/24	MeOH, Lot 22L0562016	50 mL	2-CEVEC_00028	1 mL	2-Chloroethyl vinyl ether	50.12 ug/mL
					EPICH(working_00013	500 uL	Epichlorohydrin	1000 ug/mL
					ETHANOL(new)_00021	1 mL	Ethanol	2000 ug/mL
					Extra Cmpd_00021	1 mL	1,2,4,5-Tetramethylbenzene	50 ug/mL
							2,3-Dihydroindene	50 ug/mL
							2-Methyl-1,3-butadiene	50 ug/mL
							4-Ethyltoluene	50 ug/mL
							Amyl acetate (mixed isomers)	50 ug/mL
							Butyl Methacrylate	50 ug/mL
							Cyclopentene	50 ug/mL
							Isopropyl acetate	50 ug/mL
							Methyl acrylate	50 ug/mL
							n-Butyl acrylate	50 ug/mL
							n-Propyl acetate	50 ug/mL
							p-Diethylbenzene	50 ug/mL
							Pentane	100 ug/mL
					KetonesC_00027	1 mL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL
					LIST2/STD6_00020	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Isooctane	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					LIST2/STD7_00023	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
					Mega Mix_00038	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					POLAR ADD_00026	1 mL	Acetonitrile	500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					Vinyl Acetate_00097	1 mL	Vinyl acetate	100 ug/mL
.2-CEVEC_00028	09/30/26		RESTEK, Lot A0202590		(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.ETHANOL(new)_00021	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL
.Extra Cmpd_00021	09/29/25		Absolute, Lot 092922		(Purchased Reagent)		1,2,4,5-Tetramethylbenzene	2500 ug/mL
							2,3-Dihydroindene	2500 ug/mL
							2-Methyl-1,3-butadiene	2500 ug/mL
							4-Ethyltoluene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Cyclopentene	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							Methyl acrylate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							p-Diethylbenzene	2500 ug/mL
							Pentane	5000 ug/mL
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	12500 ug/mL
.LIST2/STD6_00020	04/30/25		RESTEK, Lot A0203604		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00023	01/31/25		RESTEK, Lot A0200274		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
.Mega Mix_00038	04/30/26		RESTEK, Lot A0203458		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.POLAR ADD_00026	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	2500 ug/mL
							Tert-butyl ethyl ether	2500 ug/mL
.Vinyl Acetate_00097	01/31/25		RESTEK, Lot A0200199		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
8260MIX1COMB_00187	05/27/24	04/27/24	MeOH, Lot 22L0562016	50 mL	KetonesC_00028	1 mL	2-Butanone (MEK)	250 ug/mL
					Mega Mix_00039	1 mL	1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Trichloroethene	50 ug/mL
.KetonesC_00028	10/31/26		RESTEK, Lot A0203422		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
.Mega Mix_00039	04/30/26		RESTEK, Lot A0203458		(Purchased Reagent)		1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							Benzene	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Trichloroethene	2500 ug/mL
8260SURR250_00245	04/17/24	02/17/24	MeOH, Lot 22L0562016	50 mL	8260 SURR C_00062	5 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.8260 SURR C_00062	09/30/28		RESTEK, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
8260SURR250_00246	06/18/24	04/18/24	MeOH, Lot EH869-US	50 mL	8260 SURR C_00062	5 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.8260 SURR C_00062	09/30/28		RESTEK, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
ACROLEIN W_00167	04/23/24	03/23/24	MeOH, Lot 22L0562016	10 mL	ACROLEIN_00024	250 uL	Acrolein	500 ug/mL
.ACROLEIN_00024	08/31/24		RESTEK, Lot A0194513		(Purchased Reagent)		Acrolein	20000 ug/mL
ACRY/EPIH MIX_00123	04/15/24	03/15/24	MeOH, Lot 22L0562016	10 mL	Acrylonitrile_00009	500 uL	Acrylonitrile	50 ug/mL
					EPICH(working_00013	12.5 uL	Epichlorohydrin	125 ug/mL
.Acrylonitrile_00009	11/18/24		ABSOLUTE, Lot 111821		(Purchased Reagent)		Acrylonitrile	1000 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
BFB_00035							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Xylenes, Total	
					VMC21SU_00011	200 uL	4-Bromofluorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							BFB	50 ug/mL
.VMC21SU_00011	03/08/27		Absolute, Lot 030822		(Purchased Reagent)		4-Bromofluorobenzene	2500 ug/mL
							BFB	2500 ug/mL
Ethanol mix_00088	05/02/24	04/02/24	MeOH, Lot 22L0562016	5 mL	ETHANOL(new)_00021	1 mL	Ethanol	20000 ug/mL
.ETHANOL(new)_00021	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL
GAS C SP_00561	04/05/24	03/29/24	MeOH, Lot 22L0562016	10 mL	GASES SS_00023	0.2 mL	Vinyl chloride	50 ug/mL
.GASES SS_00023	07/31/26		RESTEK, Lot A0200059		(Purchased Reagent)		Vinyl chloride	2500 ug/mL
GAS Hi_00466	04/11/24	03/28/24	MeOH, Lot 22L0562016	5 mL	GASES C_00040	1 mL	Bromomethane	500 ug/mL
							Butadiene	500 ug/mL
							Chloroethane	500 ug/mL
							Chloromethane	500 ug/mL
							Dichlorodifluoromethane	500 ug/mL
							Dichlorofluoromethane	500 ug/mL
							Trichlorofluoromethane	500 ug/mL
							Vinyl chloride	500 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00578	04/05/24	03/29/24	MeOH, Lot 22L0562016	25 mL	GASES C_00040	0.5 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00583	05/16/24	05/09/24	MeOH, Lot 22L0562016	25 mL	GASES SS_00025	0.5 mL	Vinyl chloride	50 ug/mL
.GASES SS_00025	04/30/27		RESTEK, Lot A0210106		(Purchased Reagent)		Vinyl chloride	2500 ug/mL
Interm_ICV_00017	08/12/24	04/25/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_ms-ICV-Int_00020	8 mL	Silver	80 ug/L
							Zinc	400 ug/L
					ME_TA-Cal1-SS_00009	0.32 mL	Arsenic	160 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	160 ug/L
							Cadmium	160 ug/L
							Chromium	160 ug/L
							Copper	160 ug/L
							Lead	160 ug/L
							Nickel	160 ug/L
							Selenium	160 ug/L
.ME_ms-ICV-Int_00020	08/12/24	02/12/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-2nd_00006	0.4 mL	Silver	2000 ug/L
					ME_Zn-2nd_00004	2 mL	Zinc	10000 ug/L
..ME_Ag-2nd_00006	03/12/25	CPI International, Lot 711727250-2			(Purchased Reagent)		Silver	1000000 ug/L
..ME_Zn-2nd_00004	06/30/29	Agilent Technologies, Lot 0006681564			(Purchased Reagent)		Zinc	1000000 ug/L
.ME_TA-Cal1-SS_00009	09/29/24	CPI International, Lot 1304460-1			(Purchased Reagent)		Arsenic	100000 ug/L
							Barium	100000 ug/L
							Cadmium	100000 ug/L
							Chromium	100000 ug/L
							Copper	100000 ug/L
							Lead	100000 ug/L
							Nickel	100000 ug/L
							Selenium	100000 ug/L
me_Cal2_00125	05/24/24	05/10/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_6020BRL_IV_00003	10 mL	Arsenic	10 ug/L
							Barium	20 ug/L
							Cadmium	10 ug/L
							Chromium	20 ug/L
							Copper	20 ug/L
							Lead	6 ug/L
							Nickel	20 ug/L
							Selenium	12.5 ug/L
							Silver	10 ug/L
							Zinc	80 ug/L
.ME_6020BRL_IV_00003	09/28/24	Inorganic Ventures, Lot U2-MEB736940			(Purchased Reagent)		Arsenic	200 ug/L
							Barium	400 ug/L
							Cadmium	200 ug/L
							Chromium	400 ug/L
							Copper	400 ug/L
							Lead	120 ug/L
							Nickel	400 ug/L
							Selenium	250 ug/L
							Silver	200 ug/L
							Zinc	1600 ug/L
me_Cal5_00158	05/24/24	04/28/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_ms-Cal-Int_00018	10 mL	Silver	100 ug/L
							Zinc	500 ug/L
					ME_TA-Cal1_00014	0.4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Cadmium	200 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	200 ug/L
							Copper	200 ug/L
							Lead	200 ug/L
							Nickel	200 ug/L
							Selenium	200 ug/L
.ME_ms-Cal-Int_00018	05/31/24	01/26/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-1st_00005	0.4 mL	Silver	2000 ug/L
					ME_Zn-1st_00007	2 mL	Zinc	10000 ug/L
..ME_Ag-1st_00005	05/31/24	Agilent Technologies, Lot 0121197645			(Purchased Reagent)		Silver	1000000 ug/L
..ME_Zn-1st_00007	08/22/24	CPI, Lot 1216101-55			(Purchased Reagent)		Zinc	1000000 ug/L
.ME_TA-Cal1_00014	10/10/24	CPI International, Lot 1370764			(Purchased Reagent)		Arsenic	100000 ug/L
							Barium	100000 ug/L
							Cadmium	100000 ug/L
							Chromium	100000 ug/L
							Copper	100000 ug/L
							Lead	100000 ug/L
							Nickel	100000 ug/L
							Selenium	100000 ug/L
ME_DCAL-IN_04577	05/15/24	05/14/24	0.15%HNO3, Lot ME_0.15%_HNO3_00115	100 mL	ME_Hg_1st_00031	1 mL	Mercury	100 ug/L
.ME_Hg_1st_00031	12/11/24	SCP Science, Lot S231027021			(Purchased Reagent)		Mercury	10000 ug/L
ME_DCAL-IN_04578	05/16/24	05/15/24	0.15%HNO3, Lot ME_0.15%_HNO3_00115	100 mL	ME_Hg_1st_00031	1 mL	Mercury	100 ug/L
.ME_Hg_1st_00031	12/11/24	SCP Science, Lot S231027021			(Purchased Reagent)		Mercury	10000 ug/L
ME_DCAL-IN_04579	05/17/24	05/16/24	0.15%HNO3, Lot ME_0.15%_HNO3_00115	100 mL	ME_Hg_1st_00031	1 mL	Mercury	100 ug/L
.ME_Hg_1st_00031	12/11/24	SCP Science, Lot S231027021			(Purchased Reagent)		Mercury	10000 ug/L
ME_DQCS-INT_04307	05/15/24	05/14/24	0.15%HNO3, Lot ME_0.15%_HNO3_00115	100 mL	ME_Hg_00064	1 mL	Mercury	100 ug/L
.ME_Hg_00064	12/11/24	Inorganic Ventures, Lot U2-HG729095			(Purchased Reagent)		Mercury	10000 ug/L
ME_DQCS-INT_04308	05/16/24	05/15/24	0.15%HNO3, Lot ME_0.15%_HNO3_00115	100 mL	ME_Hg_00064	1 mL	Mercury	100 ug/L
.ME_Hg_00064	12/11/24	Inorganic Ventures, Lot U2-HG729095			(Purchased Reagent)		Mercury	10000 ug/L
ME_DQCS-INT_04309	05/17/24	05/16/24	0.15%HNO3, Lot ME_0.15%_HNO3_00115	100 mL	ME_Hg_00064	1 mL	Mercury	100 ug/L
.ME_Hg_00064	12/11/24	Inorganic Ventures, Lot U2-HG729095			(Purchased Reagent)		Mercury	10000 ug/L
ME_HG_TCLP_03514	05/17/24	05/16/24	0.5% HNO3, Lot ME_0.15%_HNO3	100 mL	ME_Hg_1st_00031	5 mL	Mercury	500 ug/L
.ME_Hg_1st_00031	12/11/24	SCP Science, Lot S231027021			(Purchased Reagent)		Mercury	10000 ug/L
me_ICSA_00227	05/24/24	05/17/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_MS-ICSA_00011	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Na	100000 ug/L
							Ti	2000 ug/L
.ME_MS-ICSA_00011	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
me_ICSAB_00189	05/24/24	05/17/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-1st_00005	0.04 mL	Silver	200 ug/L
					me_MS-ICSA_00012	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L
							Na	100000 ug/L
							Ti	2000 ug/L
					ME_ms_ICSAB_00007	4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Be	200 ug/L
							Cadmium	200 ug/L
							Chromium	200 ug/L
							Co	200 ug/L
							Copper	200 ug/L
							Lead	200 ug/L
							Mn	200 ug/L
							Nickel	200 ug/L
							Sb	100 ug/L
							Selenium	200 ug/L
							Sn	200 ug/L
							Sr	200 ug/L
							Tl	100 ug/L
							V	200 ug/L
					ME_Zn-1st_00007	0.04 mL	Zinc	200 ug/L
.ME_Ag-1st_00005	05/31/24	Agilent Technologies, Lot 0121197645			(Purchased Reagent)		Silver	1000000 ug/L
.me_MS-ICSA_00012	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
.ME_ms_ICSAB_00007	11/24/24	CPI International, Lot 1243971-1			(Purchased Reagent)		Arsenic	10000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	10000 ug/L
							Be	10000 ug/L
							Cadmium	10000 ug/L
							Chromium	10000 ug/L
							Co	10000 ug/L
							Copper	10000 ug/L
							Lead	10000 ug/L
							Mn	10000 ug/L
							Nickel	10000 ug/L
							Sb	5000 ug/L
							Selenium	10000 ug/L
							Sn	10000 ug/L
							Sr	10000 ug/L
							Tl	5000 ug/L
							V	10000 ug/L
.ME_Zn-1st_00007	08/22/24	CPI, Lot 1216101-55			(Purchased Reagent)		Zinc	1000000 ug/L
ME_ipmsSPK_00052	12/31/24	High-Purity Standards, Lot 2333357-500			(Purchased Reagent)		Arsenic	10000 ug/L
							Barium	10000 ug/L
							Cadmium	5000 ug/L
							Chromium	10000 ug/L
							Copper	10000 ug/L
							Lead	5000 ug/L
							Nickel	10000 ug/L
							Selenium	10000 ug/L
							Silver	5000 ug/L
							Zinc	50000 ug/L
ME_LCSS_123_00003	06/01/27	ERA, Lot D123-540			(Purchased Reagent)		Al	6780 mg/Kg
							Arsenic	311 mg/Kg
							B	229 mg/Kg
							Barium	304 mg/Kg
							Be	169 mg/Kg
							Ca	5170 mg/Kg
							Cadmium	212 mg/Kg
							Chromium	180 mg/Kg
							Co	81.6 mg/Kg
							Copper	205 mg/Kg
							Fe	6510 mg/Kg
							K	1370 mg/Kg
							Lead	92.8 mg/Kg
							Mercury	11.9 mg/Kg
							Mg	1700 mg/Kg
							Mn	531 mg/Kg
							Mo	136 mg/Kg
							Na	486 mg/Kg
							Nickel	313 mg/Kg
							Sb	127 mg/Kg
							Selenium	165 mg/Kg

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	82.4 mg/Kg
							Sn	75.4 mg/Kg
							Sr	136 mg/Kg
							Ti	306 mg/Kg
							Tl	205 mg/Kg
							V	103 mg/Kg
							Zinc	166 mg/Kg
me_LR-A_00040	06/30/24	05/17/24	5%HCL:5%HNO3, Lot 11124408	500 mL	ME_As_00015	0.25 mL	Arsenic	5000 ug/L
					ME_Ba_00014	1 mL	Barium	20000 ug/L
					ME_Cd_00016	0.25 mL	Cadmium	5000 ug/L
					me_Cr_00019	1 mL	Chromium	20000 ug/L
					ME_Cu_00016	1 mL	Copper	20000 ug/L
					ME_Ni_00017	1 mL	Nickel	20000 ug/L
					ME_Pb_00015	1 mL	Lead	20000 ug/L
					ME_Zn_00017	1 mL	Zinc	20000 ug/L
.ME_As_00015	09/30/24	Agilent, Lot 0013387069			(Purchased Reagent)		Arsenic	10000000 ug/L
.ME_Ba_00014	08/22/24	CPI, Lot 1282477-2			(Purchased Reagent)		Barium	10000000 ug/L
.ME_Cd_00016	04/18/25	Agilent, Lot 1450166			(Purchased Reagent)		Cadmium	10000000 ug/L
.me_Cr_00019	02/28/25	Agilent, Lot 0013615477			(Purchased Reagent)		Chromium	10000000 ug/L
.ME_Cu_00016	04/18/25	Agilent, Lot 1442431			(Purchased Reagent)		Copper	10000000 ug/L
.ME_Ni_00017	04/18/25	Agilent, Lot 1427305			(Purchased Reagent)		Nickel	10000000 ug/L
.ME_Pb_00015	04/30/25	Agilent Technologies, Lot 0013824586			(Purchased Reagent)		Lead	10000000 ug/L
.ME_Zn_00017	02/20/25	Agilent, Lot 1410237			(Purchased Reagent)		Zinc	10000000 ug/L
me_LR-C_00004	08/30/24	05/31/24	5%HCL:5%HNO3, Lot 11124409	500 mL	ME_Ag-1st_00006	0.5 mL	Silver	1000 ug/L
					ME_Se_00017	0.15 mL	Selenium	3000 ug/L
.ME_Ag-1st_00006	04/30/25	Agilent Technologies, Lot 0133918920			(Purchased Reagent)		Silver	1000000 ug/L
.ME_Se_00017	08/31/24	Agilent, Lot 0128504011			(Purchased Reagent)		Selenium	10000000 ug/L
ME_TCLPspk_00059	03/31/25	05/03/24	5% HNO3, Lot 6679793	250 mL	ME_TCLP_A_00022	50 mL	Barium	1000000 ug/L
							Be	100000 ug/L
							Cadmium	100000 ug/L
							Co	100000 ug/L
							Copper	100000 ug/L
							Fe	100000 ug/L
							Mn	100000 ug/L
							Nickel	100000 ug/L
							Selenium	100000 ug/L
							Sr	100000 ug/L
							Tl	100000 ug/L
							Zinc	100000 ug/L
					ME_TCLP_B_00019	50 mL	Ca	2000000 ug/L
							K	2000000 ug/L
							Mg	2000000 ug/L
							Na	2000000 ug/L
					ME_TCLP_C_00015	50 mL	B	100000 ug/L
							Mo	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sb	100000 ug/L
							Silver	50000 ug/L
							Sn	100000 ug/L
							Ti	100000 ug/L
							V	50000 ug/L
					ME_TCLP_D_00015	50 mL	Al	500000 ug/L
							Arsenic	500000 ug/L
							Chromium	500000 ug/L
							Lead	500000 ug/L
.ME_TCLP_A_00022	03/31/25	High-Purity Stds., Lot 2405908-250			(Purchased Reagent)		Barium	5000000 ug/L
							Be	500000 ug/L
							Cadmium	500000 ug/L
							Co	500000 ug/L
							Copper	500000 ug/L
							Fe	500000 ug/L
							Mn	500000 ug/L
							Nickel	500000 ug/L
							Selenium	500000 ug/L
							Sr	500000 ug/L
							Tl	500000 ug/L
							Zinc	500000 ug/L
.ME_TCLP_B_00019	03/31/25	High-Purity Stds., Lot 2405833-250			(Purchased Reagent)		Ca	10000000 ug/L
							K	10000000 ug/L
							Mg	10000000 ug/L
							Na	10000000 ug/L
.ME_TCLP_C_00015	03/31/25	High-Purity Stds., Lot 2405910-250			(Purchased Reagent)		B	500000 ug/L
							Mo	500000 ug/L
							Sb	500000 ug/L
							Silver	250000 ug/L
							Sn	500000 ug/L
							Ti	500000 ug/L
							V	250000 ug/L
.ME_TCLP_D_00015	03/31/25	High-Purity Stds., Lot 2405911-250			(Purchased Reagent)		Al	2500000 ug/L
							Arsenic	2500000 ug/L
							Chromium	2500000 ug/L
							Lead	2500000 ug/L
MIX 2 Hi_00148	05/02/24	04/02/24	MeOH, Lot 22L0562016	5 mL	2-CEVEC_00028	1 mL	2-Chloroethyl vinyl ether	501.2 ug/mL
					Extra Cmpd_00021	1 mL	1,2,4,5-Tetramethylbenzene	500 ug/mL
							2,3-Dihydroindene	500 ug/mL
							2-Methyl-1,3-butadiene	500 ug/mL
							4-Ethyltoluene	500 ug/mL
							Amyl acetate (mixed isomers)	500 ug/mL
							Butyl Methacrylate	500 ug/mL
							Cyclopentene	500 ug/mL
							Isopropyl acetate	500 ug/mL
							Methyl acrylate	500 ug/mL
							n-Butyl acrylate	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propyl acetate	500 ug/mL
							p-Diethylbenzene	500 ug/mL
							Pentane	1000 ug/mL
					LIST2/STD6_00020	1 mL	1,2,3-Trimethylbenzene	500 ug/mL
							1,3,5-Trichlorobenzene	500 ug/mL
							2-Chloro-1,3-butadiene	500 ug/mL
							2-Nitropropane	1000 ug/mL
							Benzyl chloride	500 ug/mL
							Isooctane	500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Methacrylonitrile	5000 ug/mL
							n-Butanol	12500 ug/mL
					LIST2/STD7_00023	1 mL	Ethyl acetate	1000 ug/mL
							Ethyl acrylate	500 ug/mL
							Methyl methacrylate	1000 ug/mL
							n-Butyl acetate	500 ug/mL
					POLAR ADD_00026	1 mL	Acetonitrile	5000 ug/mL
							Isopropyl ether	500 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	500 ug/mL
							Tert-butyl ethyl ether	500 ug/mL
.2-CEVEC_00028	09/30/26		RESTEK, Lot A0202590		(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.Extra Cmpd_00021	09/29/25		Absolute, Lot 092922		(Purchased Reagent)		1,2,4,5-Tetramethylbenzene	2500 ug/mL
							2,3-Dihydroindene	2500 ug/mL
							2-Methyl-1,3-butadiene	2500 ug/mL
							4-Ethyltoluene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Cyclopentene	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							Methyl acrylate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							p-Diethylbenzene	2500 ug/mL
							Pentane	5000 ug/mL
.LIST2/STD6_00020	04/30/25		RESTEK, Lot A0203604		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00023	01/31/25		RESTEK, Lot A0200274		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butyl acetate	2500 ug/mL
.POLAR ADD_00026	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	2500 ug/mL
							Tert-butyl ethyl ether	2500 ug/mL
MIX I Hi_00175	05/02/24	04/02/24	MeOH, Lot 22L0562016	5 mL	EPICH(working_00013	0.5 mL	Epichlorohydrin	10000 ug/mL
					KetonesC_00028	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
					Mega Mix_00038	1 mL	1,1,1,2-Tetrachloroethane	500 ug/mL
							1,1,1-Trichloroethane	500 ug/mL
							1,1,2,2-Tetrachloroethane	500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	500 ug/mL
							1,1,2-Trichloroethane	500 ug/mL
							1,1-Dichloroethane	500 ug/mL
							1,1-Dichloroethene	500 ug/mL
							1,1-Dichloropropene	500 ug/mL
							1,2,3-Trichlorobenzene	500 ug/mL
							1,2,3-Trichloropropane	500 ug/mL
							1,2,4-Trichlorobenzene	500 ug/mL
							1,2,4-Trimethylbenzene	500 ug/mL
							1,2-Dibromo-3-Chloropropane	500 ug/mL
							1,2-Dichlorobenzene	500 ug/mL
							1,2-Dichloroethane	500 ug/mL
							1,2-Dichloropropane	500 ug/mL
							1,3,5-Trimethylbenzene	500 ug/mL
							1,3-Dichlorobenzene	500 ug/mL
							1,3-Dichloropropane	500 ug/mL
							1,4-Dichlorobenzene	500 ug/mL
							1,4-Dioxane	10000 ug/mL
							2,2-Dichloropropane	500 ug/mL
							2-Chlorotoluene	500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							3-Chloro-1-propene	500 ug/mL
							4-Chlorotoluene	500 ug/mL
							4-Isopropyltoluene	500 ug/mL
							Acrylonitrile	5000 ug/mL
							Benzene	500 ug/mL
							Bromobenzene	500 ug/mL
							Bromoform	500 ug/mL
							Carbon disulfide	500 ug/mL
							Carbon tetrachloride	500 ug/mL
							Chlorobenzene	500 ug/mL
							Chlorobromomethane	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodibromomethane	500 ug/mL
							Chloroform	500 ug/mL
							cis-1,2-Dichloroethene	500 ug/mL
							cis-1,3-Dichloropropene	500 ug/mL
							Cyclohexane	500 ug/mL
							Dibromomethane	500 ug/mL
							Dichlorobromomethane	500 ug/mL
							Ethyl ether	500 ug/mL
							Ethyl methacrylate	500 ug/mL
							Ethylbenzene	500 ug/mL
							Ethylene Dibromide	500 ug/mL
							Hexachlorobutadiene	500 ug/mL
							Hexane	500 ug/mL
							Iodomethane	500 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropylbenzene	500 ug/mL
							m-Xylene & p-Xylene	500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tert-butyl ether	500 ug/mL
							Methylcyclohexane	500 ug/mL
							Methylene Chloride	500 ug/mL
							n-Butylbenzene	500 ug/mL
							n-Heptane	500 ug/mL
							N-Propylbenzene	500 ug/mL
							Naphthalene	500 ug/mL
							o-Xylene	500 ug/mL
							sec-Butylbenzene	500 ug/mL
							Styrene	500 ug/mL
							tert-Butylbenzene	500 ug/mL
							Tetrachloroethene	500 ug/mL
							Tetrahydrofuran	1000 ug/mL
							Toluene	500 ug/mL
							trans-1,2-Dichloroethene	500 ug/mL
							trans-1,3-Dichloropropene	500 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
							Trichloroethene	500 ug/mL
					Vinyl Acetate_00099	1 mL	Vinyl acetate	1000 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.KetonesC_00028	10/31/26		RESTEK, Lot A0203422		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix_00038	04/30/26		RESTEK, Lot A0203458		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00099	01/31/25		RESTEK, Lot A0200199		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
OP_Benzald_sp_00020	07/30/24		RESTEK, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
OP_BNA SPIK_00051	07/30/24	12/05/23	Acetone, Lot 131184	200 mL	OP_Agilent456_00007	10 mL	1,3-Dimethylnaphthalene	100 ug/mL
							2-tertbutyl-4-methylphenol	100 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	100 ug/mL
							Benzonitrile	100 ug/mL
							Carbamazepine	100 ug/mL
							Coumarin	100 ug/mL
							n,n'-Dimethylaniline	100 ug/mL
							N-Methylaniline	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenyl ether	100 ug/mL
					OP_Agilent457_00004	10 mL	Bisphenol-A	50 ug/mL
					OP_BenzAcid_00014	10 mL	Benzoic acid	100 ug/mL
							Indene	100 ug/mL
					OP_MEGA_2017_00014	20 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					OP_std #1_BNA_00013	10 mL	3,3'-Dichlorobenzidine	100 ug/mL
							Benzidine	100 ug/mL
.OP_Agilent456_00007	12/31/24		Agilent, Lot 6715186		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Benzonitrile	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.OP_Agilent457_00004	12/31/24		Agilent, Lot 6715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.OP_BenzAcid_00014	07/30/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.OP_MEGA_2017_00014	05/31/25		Restek, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.OP_std #1_BNA_00013	08/31/24		Restek, Lot A0194453		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
OP_BNASurroga_00029	10/30/24	04/23/24	Acetone, Lot 23H2462011	1000 mL	OP_BNA_SURR_00012	20 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
.OP_BNA_SURR_00012	12/31/24		Agilent, Lot 6715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
OP_HERB_SU_00044	09/29/24	03/30/24	Acetone, Lot 261850	100 mL	OP_2,4DCAA_00028	10 mL	2,4-Dichlorophenylacetic acid	100 ug/mL
.OP_2,4DCAA_00028	01/31/25		RESTEK, Lot A0193845		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	1000 ug/mL
OP_Herbsp RTS_00015	05/20/25		Restek, Lot A0198339		(Purchased Reagent)		2,4,5-T	5 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							Dalapon	20 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	20 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	5 ug/mL
							Picloram	20 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
OP_PESTSP_LVI_00032	06/30/24	03/21/24	Acetone, Lot 247782	50 mL	OP_PESTSP_00048	10 mL	Mirex	4 ug/mL
							4,4'-DDD	4 ug/mL
							4,4'-DDE	4 ug/mL
							4,4'-DDT	4 ug/mL
							Aldrin	4 ug/mL
							alpha-BHC	4 ug/mL
							beta-BHC	4 ug/mL
							cis-Chlordane	4 ug/mL
							delta-BHC	4 ug/mL
							Dieldrin	4 ug/mL
							Endosulfan I	4 ug/mL
							Endosulfan II	4 ug/mL
							Endosulfan sulfate	4 ug/mL
							Endrin	4 ug/mL
							Endrin aldehyde	4 ug/mL
							Endrin ketone	4 ug/mL
							gamma-BHC (Lindane)	4 ug/mL
							Heptachlor	4 ug/mL
							Heptachlor epoxide	4 ug/mL
							Methoxychlor	4 ug/mL
							trans-Chlordane	4 ug/mL
.OP_PESTSP_00048	06/30/24	12/07/23	Acetone, Lot 269623	100 mL	OP_MIREX_00020	2 mL	Mirex	20 ug/mL
					OPOrgnCPST_00015	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							beta-BHC	20 ug/mL
							cis-Chlordane	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
							trans-Chlordane	20 ug/mL
..OP_MIREX_00020	07/14/25	Accustandard, Lot 223061225			(Purchased Reagent)		Mirex	1000 ug/mL
..OPOrgnCPST_00015	07/30/25	RESTEK, Lot A0169605			(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
OPPSPCBSU_LVI_00023	09/30/24	03/31/24	Acetone, Lot 2462008	100 mL	OPPSTPCBSURR_00040	20 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
.OPPSTPCBSURR_00040	09/30/24	03/31/24	Acetone, Lot 137485	200 mL	OPPESTsurr_00011	10 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
..OPPESTsurr_00011	03/30/27	Restek, Lot A0167624			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGCHLOR ICV_00011	07/11/24	07/12/23	Hexane, Lot 0000059690	100 mL	SGCHLOR ICV_00004	100 uL	Chlordane (technical)	1 ug/mL
.SGCHLOR ICV_00004	11/30/28	RESTEK, Lot A0188505			(Purchased Reagent)		Chlordane (technical)	1000 ug/mL
SGCHLORDANEL4_00013	07/11/24	07/12/23	Hexane, Lot 0000059690	100 mL	SGCHLOR_00009	100 uL	Chlordane (technical)	1 ug/mL
.SGCHLOR_00009	06/30/28	RESTEK, Lot A0183419			(Purchased Reagent)		Chlordane (technical)	1000 ug/mL
SGDDT/Ei_00045	12/01/24	12/01/23	Hexane, Lot H29E30	200 mL	SGDDT/E_00018	500 uL	4,4'-DDT	0.25 ug/mL
							Endrin	0.25 ug/mL
.SGDDT/E_00018	10/31/26	Restek, Lot A0186032			(Purchased Reagent)		4,4'-DDT	100 ug/mL
							Endrin	100 ug/mL
SGHB MIX ICV_00022	08/28/24	02/23/24	Hexane, Lot 127584	10 mL	SGHBSURR_00010	50 uL	2,4-Dichlorophenylacetic acid	0.955 ug/mL
.SGHBSURR 00010	09/30/28	RESTEK, Lot A0179582			(Purchased Reagent)		2,4-Dichlorophenylacetic acid	191 ug/mL
SGHB MIX ICV_00022	08/28/24	02/23/24	Hexane, Lot 127584	10 mL	SGHB10MIXI_00004	25 uL	2,4-D	0.50475 ug/mL
							Silvex (2,4,5-TP)	0.505 ug/mL
.SGHB10MIXI_00004	10/31/26	RESTEK, Lot A0154522			(Purchased Reagent)		2,4-D	201.9 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silvex (2,4,5-TP)	202 ug/mL
SGHERBL1_00005	08/23/24	02/23/24	HEXANE, Lot 127584	10 mL	SGHERBL6_00003	1 mL	Pentachlorophenol	0.04515 ug/mL
							Picloram	0.0422 ug/mL
							MCPA	9.33 ug/mL
							MCPP	9.31 ug/mL
							2,4,5-T	0.095 ug/mL
							2,4-D	0.099 ug/mL
							2,4-DB	0.096 ug/mL
							Dicamba	0.094 ug/mL
							Dichlorprop	0.094 ug/mL
							Dinoseb	0.096 ug/mL
							Silvex (2,4,5-TP)	0.096 ug/mL
							Dalapon	0.1 ug/mL
							2,4-Dichlorophenylacetic acid	0.191 ug/mL
.SGHERBL6_00003	08/23/24	02/23/24	Hexane, Lot 127584	100 mL	SG-PCP_00011	50 uL	Pentachlorophenol	0.4515 ug/mL
					SG-PIC_00014	500 uL	Picloram	0.422 ug/mL
					SGHB10MIX3_00006	500 uL	MCPA	93.3 ug/mL
							MCPP	93.1 ug/mL
					SGHB10MIXI_00005	500 uL	2,4,5-T	0.95 ug/mL
							2,4-D	0.99 ug/mL
							2,4-DB	0.96 ug/mL
							Dicamba	0.94 ug/mL
							Dichlorprop	0.94 ug/mL
							Dinoseb	0.96 ug/mL
							Silvex (2,4,5-TP)	0.96 ug/mL
					SGHBMIX2 (DI)_00023	500 uL	Dalapon	1 ug/mL
					SGHBSURR_00010	1000 uL	2,4-Dichlorophenylacetic acid	1.91 ug/mL
..SG-PCP_00011	01/31/25		RESTEK, Lot A0193185		(Purchased Reagent)		Pentachlorophenol	903 ug/mL
..SG-PIC_00014	04/30/26		Chem Service, Lot 14798600		(Purchased Reagent)		Picloram	84.4 ug/mL
..SGHB10MIX3_00006	12/30/26		RESTEK, Lot A0156181		(Purchased Reagent)		MCPA	18660 ug/mL
							MCPP	18620 ug/mL
..SGHB10MIXI_00005	02/28/27		RESTEK, Lot A0158162		(Purchased Reagent)		2,4,5-T	190 ug/mL
							2,4-D	198 ug/mL
							2,4-DB	192 ug/mL
							Dicamba	188 ug/mL
							Dichlorprop	188 ug/mL
							Dinoseb	192 ug/mL
							Silvex (2,4,5-TP)	192 ug/mL
..SGHBMIX2 (DI)_00023	08/23/24	02/23/24	Hexane, Lot 127584	1 mL	SGHB10MIX2_00005	100 uL	Dalapon	200 ug/mL
...SGHB10MIX2_00005	01/31/27		RESTEK, Lot A0157184		(Purchased Reagent)		Dalapon	1820 ug/mL
..SGHBSURR_00010	09/30/28		RESTEK, Lot A0179582		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	191 ug/mL
SGHERBL2_00008	08/23/24	02/23/24	HEXANE, Lot 127584	10 mL	SGHERBL6_00003	2 mL	Pentachlorophenol	0.0903 ug/mL
							Picloram	0.0844 ug/mL
							MCPA	18.66 ug/mL
							MCPP	18.62 ug/mL
							2,4,5-T	0.19 ug/mL
							2,4-D	0.198 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-DB	0.192 ug/mL
							Dicamba	0.188 ug/mL
							Dichlorprop	0.188 ug/mL
							Dinoseb	0.192 ug/mL
							Silvex (2,4,5-TP)	0.192 ug/mL
							Dalapon	0.2 ug/mL
							2,4-Dichlorophenylacetic acid	0.382 ug/mL
.SGHERBL6_00003	08/23/24	02/23/24	Hexane, Lot 127584	100 mL	SG-PCP_00011	50 uL	Pentachlorophenol	0.4515 ug/mL
					SG-PIC_00014	500 uL	Picloram	0.422 ug/mL
					SGHB10MIX3_00006	500 uL	MCPA	93.3 ug/mL
							MCPP	93.1 ug/mL
					SGHB10MIXI_00005	500 uL	2,4,5-T	0.95 ug/mL
							2,4-D	0.99 ug/mL
							2,4-DB	0.96 ug/mL
							Dicamba	0.94 ug/mL
							Dichlorprop	0.94 ug/mL
							Dinoseb	0.96 ug/mL
							Silvex (2,4,5-TP)	0.96 ug/mL
					SGHBMIX2 (DI)_00023	500 uL	Dalapon	1 ug/mL
					SGHBSURR_00010	1000 uL	2,4-Dichlorophenylacetic acid	1.91 ug/mL
..SG-PCP_00011	01/31/25		RESTEK, Lot A0193185		(Purchased Reagent)		Pentachlorophenol	903 ug/mL
..SG-PIC_00014	04/30/26		Chem Service, Lot 14798600		(Purchased Reagent)		Picloram	84.4 ug/mL
..SGHB10MIX3_00006	12/30/26		RESTEK, Lot A0156181		(Purchased Reagent)		MCPA	18660 ug/mL
							MCPP	18620 ug/mL
..SGHB10MIXI_00005	02/28/27		RESTEK, Lot A0158162		(Purchased Reagent)		2,4,5-T	190 ug/mL
							2,4-D	198 ug/mL
							2,4-DB	192 ug/mL
							Dicamba	188 ug/mL
							Dichlorprop	188 ug/mL
							Dinoseb	192 ug/mL
							Silvex (2,4,5-TP)	192 ug/mL
..SGHBMIX2 (DI)_00023	08/23/24	02/23/24	Hexane, Lot 127584	1 mL	SGHB10MIX2_00005	100 uL	Dalapon	200 ug/mL
...SGHB10MIX2_00005	01/31/27		RESTEK, Lot A0157184		(Purchased Reagent)		Dalapon	1820 ug/mL
..SGHBSURR_00010	09/30/28		RESTEK, Lot A0179582		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	191 ug/mL
SGHERBL3_00004	08/23/24	02/23/24	HEXANE, Lot 127584	10 mL	SGHERBL6_00003	2.5 mL	Pentachlorophenol	0.112875 ug/mL
							Picloram	0.1055 ug/mL
							MCPA	23.325 ug/mL
							MCPP	23.275 ug/mL
							2,4,5-T	0.2375 ug/mL
							2,4-D	0.2475 ug/mL
							2,4-DB	0.24 ug/mL
							Dicamba	0.235 ug/mL
							Dichlorprop	0.235 ug/mL
							Dinoseb	0.24 ug/mL
							Silvex (2,4,5-TP)	0.24 ug/mL
							Dalapon	0.25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenylacetic acid	0.4775 ug/mL
.SGHERBL6_00003	08/23/24	02/23/24	Hexane, Lot 127584	100 mL	SG-PCP_00011	50 uL	Pentachlorophenol	0.4515 ug/mL
					SG-PIC_00014	500 uL	Picloram	0.422 ug/mL
					SGHB10MIX3_00006	500 uL	MCPA	93.3 ug/mL
							MCPP	93.1 ug/mL
					SGHB10MIXI_00005	500 uL	2,4,5-T	0.95 ug/mL
							2,4-D	0.99 ug/mL
							2,4-DB	0.96 ug/mL
							Dicamba	0.94 ug/mL
							Dichlorprop	0.94 ug/mL
							Dinoseb	0.96 ug/mL
							Silvex (2,4,5-TP)	0.96 ug/mL
					SGHBMIX2 (DI)_00023	500 uL	Dalapon	1 ug/mL
					SGHBSURR_00010	1000 uL	2,4-Dichlorophenylacetic acid	1.91 ug/mL
..SG-PCP_00011	01/31/25		RESTEK, Lot A0193185		(Purchased Reagent)		Pentachlorophenol	903 ug/mL
..SG-PIC_00014	04/30/26		Chem Service, Lot 14798600		(Purchased Reagent)		Picloram	84.4 ug/mL
..SGHB10MIX3_00006	12/30/26		RESTEK, Lot A0156181		(Purchased Reagent)		MCPA	18660 ug/mL
							MCPP	18620 ug/mL
..SGHB10MIXI_00005	02/28/27		RESTEK, Lot A0158162		(Purchased Reagent)		2,4,5-T	190 ug/mL
							2,4-D	198 ug/mL
							2,4-DB	192 ug/mL
							Dicamba	188 ug/mL
							Dichlorprop	188 ug/mL
							Dinoseb	192 ug/mL
							Silvex (2,4,5-TP)	192 ug/mL
..SGHBMIX2 (DI)_00023	08/23/24	02/23/24	Hexane, Lot 127584	1 mL	SGHB10MIX2_00005	100 uL	Dalapon	200 ug/mL
...SGHB10MIX2_00005	01/31/27		RESTEK, Lot A0157184		(Purchased Reagent)		Dalapon	1820 ug/mL
..SGHBSURR_00010	09/30/28		RESTEK, Lot A0179582		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	191 ug/mL
SGHERBL4_00004	08/23/24	02/23/24	HEXANE, Lot 127584	100 mL	SGHERBL6_00003	50 mL	Pentachlorophenol	0.22575 ug/mL
							Picloram	0.211 ug/mL
							MCPA	46.65 ug/mL
							MCPP	46.55 ug/mL
							2,4,5-T	0.475 ug/mL
							2,4-D	0.495 ug/mL
							2,4-DB	0.48 ug/mL
							Dicamba	0.47 ug/mL
							Dichlorprop	0.47 ug/mL
							Dinoseb	0.48 ug/mL
							Silvex (2,4,5-TP)	0.48 ug/mL
							Dalapon	0.5 ug/mL
							2,4-Dichlorophenylacetic acid	0.955 ug/mL
.SGHERBL6_00003	08/23/24	02/23/24	Hexane, Lot 127584	100 mL	SG-PCP_00011	50 uL	Pentachlorophenol	0.4515 ug/mL
					SG-PIC_00014	500 uL	Picloram	0.422 ug/mL
					SGHB10MIX3_00006	500 uL	MCPA	93.3 ug/mL
							MCPP	93.1 ug/mL
					SGHB10MIXI_00005	500 uL	2,4,5-T	0.95 ug/mL
							2,4-D	0.99 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-DB	0.96 ug/mL
							Dicamba	0.94 ug/mL
							Dichlorprop	0.94 ug/mL
							Dinoseb	0.96 ug/mL
							Silvex (2,4,5-TP)	0.96 ug/mL
					SGHBMIX2 (DI)_00023	500 uL	Dalapon	1 ug/mL
					SGHBSURR_00010	1000 uL	2,4-Dichlorophenylacetic acid	1.91 ug/mL
..SG-PCP_00011	01/31/25		RESTEK, Lot A0193185		(Purchased Reagent)		Pentachlorophenol	903 ug/mL
..SG-PIC_00014	04/30/26		Chem Service, Lot 14798600		(Purchased Reagent)		Picloram	84.4 ug/mL
..SGHB10MIX3_00006	12/30/26		RESTEK, Lot A0156181		(Purchased Reagent)		MCPA	18660 ug/mL
							MCPP	18620 ug/mL
..SGHB10MIXI_00005	02/28/27		RESTEK, Lot A0158162		(Purchased Reagent)		2,4,5-T	190 ug/mL
							2,4-D	198 ug/mL
							2,4-DB	192 ug/mL
							Dicamba	188 ug/mL
							Dichlorprop	188 ug/mL
							Dinoseb	192 ug/mL
							Silvex (2,4,5-TP)	192 ug/mL
..SGHBMIX2 (DI)_00023	08/23/24	02/23/24	Hexane, Lot 127584	1 mL	SGHB10MIX2_00005	100 uL	Dalapon	200 ug/mL
...SGHB10MIX2_00005	01/31/27		RESTEK, Lot A0157184		(Purchased Reagent)		Dalapon	1820 ug/mL
..SGHBSURR_00010	09/30/28		RESTEK, Lot A0179582		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	191 ug/mL
SGHERBL5_00005	08/23/24	02/23/24	HEXANE, Lot 127584	10 mL	SGHERBL6_00003	7.5 mL	Pentachlorophenol	0.0000338625 %
							Picloram	0.00003165 %
							MCPA	0.0069975 %
							MCPP	0.0069825 %
							2,4,5-T	0.00007125 %
							2,4-D	0.00007425 %
							2,4-DB	0.000072 %
							Dicamba	0.0000705 %
							Dichlorprop	0.0000705 %
							Dinoseb	0.000072 %
							Silvex (2,4,5-TP)	0.000072 %
							Dalapon	0.000075 %
							2,4-Dichlorophenylacetic acid	0.00014325 %
.SGHERBL6_00003	08/23/24	02/23/24	Hexane, Lot 127584	100 mL	SG-PCP_00011	50 uL	Pentachlorophenol	0.4515 ug/mL
					SG-PIC_00014	500 uL	Picloram	0.422 ug/mL
					SGHB10MIX3_00006	500 uL	MCPA	93.3 ug/mL
							MCPP	93.1 ug/mL
					SGHB10MIXI_00005	500 uL	2,4,5-T	0.95 ug/mL
							2,4-D	0.99 ug/mL
							2,4-DB	0.96 ug/mL
							Dicamba	0.94 ug/mL
							Dichlorprop	0.94 ug/mL
							Dinoseb	0.96 ug/mL
							Silvex (2,4,5-TP)	0.96 ug/mL
					SGHBMIX2 (DI)_00023	500 uL	Dalapon	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGHBSURR_00010	1000 uL	2,4-Dichlorophenylacetic acid	1.91 ug/mL
..SG-PCP_00011	01/31/25		RESTEK, Lot A0193185		(Purchased Reagent)		Pentachlorophenol	903 ug/mL
..SG-PIC_00014	04/30/26		Chem Service, Lot 14798600		(Purchased Reagent)		Picloram	84.4 ug/mL
..SGHB10MIX3_00006	12/30/26		RESTEK, Lot A0156181		(Purchased Reagent)		MCPA	18660 ug/mL
							MCPP	18620 ug/mL
..SGHB10MIXI_00005	02/28/27		RESTEK, Lot A0158162		(Purchased Reagent)		2,4,5-T	190 ug/mL
							2,4-D	198 ug/mL
							2,4-DB	192 ug/mL
							Dicamba	188 ug/mL
							Dichlorprop	188 ug/mL
							Dinoseb	192 ug/mL
							Silvex (2,4,5-TP)	192 ug/mL
..SGHBMIX2 (DI)_00023	08/23/24	02/23/24	Hexane, Lot 127584	1 mL	SGHB10MIX2_00005	100 uL	Dalapon	200 ug/mL
...SGHB10MIX2_00005	01/31/27		RESTEK, Lot A0157184		(Purchased Reagent)		Dalapon	1820 ug/mL
..SGHBSURR_00010	09/30/28		RESTEK, Lot A0179582		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	191 ug/mL
SGHERBL6_00003	08/23/24	02/23/24	Hexane, Lot 127584	100 mL	SG-PCP_00011	50 uL	Pentachlorophenol	0.4515 ug/mL
					SG-PIC_00014	500 uL	Picloram	0.422 ug/mL
					SGHB10MIX3_00006	500 uL	MCPA	93.3 ug/mL
							MCPP	93.1 ug/mL
					SGHB10MIXI_00005	500 uL	2,4,5-T	0.95 ug/mL
							2,4-D	0.99 ug/mL
							2,4-DB	0.96 ug/mL
							Dicamba	0.94 ug/mL
							Dichlorprop	0.94 ug/mL
							Dinoseb	0.96 ug/mL
							Silvex (2,4,5-TP)	0.96 ug/mL
					SGHBMIX2 (DI)_00023	500 uL	Dalapon	1 ug/mL
					SGHBSURR_00010	1000 uL	2,4-Dichlorophenylacetic acid	1.91 ug/mL
.SG-PCP_00011	01/31/25		RESTEK, Lot A0193185		(Purchased Reagent)		Pentachlorophenol	903 ug/mL
.SG-PIC_00014	04/30/26		Chem Service, Lot 14798600		(Purchased Reagent)		Picloram	84.4 ug/mL
.SGHB10MIX3_00006	12/30/26		RESTEK, Lot A0156181		(Purchased Reagent)		MCPA	18660 ug/mL
							MCPP	18620 ug/mL
.SGHB10MIXI_00005	02/28/27		RESTEK, Lot A0158162		(Purchased Reagent)		2,4,5-T	190 ug/mL
							2,4-D	198 ug/mL
							2,4-DB	192 ug/mL
							Dicamba	188 ug/mL
							Dichlorprop	188 ug/mL
							Dinoseb	192 ug/mL
							Silvex (2,4,5-TP)	192 ug/mL
.SGHBMIX2 (DI)_00023	08/23/24	02/23/24	Hexane, Lot 127584	1 mL	SGHB10MIX2_00005	100 uL	Dalapon	200 ug/mL
..SGHB10MIX2_00005	01/31/27		RESTEK, Lot A0157184		(Purchased Reagent)		Dalapon	1820 ug/mL
.SGHBSURR_00010	09/30/28		RESTEK, Lot A0179582		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	191 ug/mL
SGPESTISTD_00021	11/01/24	11/01/23	Hexane, Lot 33895	400 mL	SGPCBISTD_00026	2000 uL	1-Bromo-2-nitrobenzene	5000 ppb
.SGPCBISTD_00026	06/30/25		RESTEK, Lot A0182850		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SGPESTL1_00035	06/05/24	01/18/24	Hexane, Lot 0000059690	200 mL	PESTSURRMIX_00011	6.25 uL	DCB Decachlorobiphenyl	0.00625 ug/mL
							Tetrachloro-m-xylene	0.00625 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGMIREX_00034	5 uL	Mirex	0.0025 ug/mL
					SGPEST(DL)_00021	5 uL	4,4'-DDD	0.0025 ug/mL
							4,4'-DDE	0.0025 ug/mL
							4,4'-DDT	0.0025 ug/mL
							Aldrin	0.0025 ug/mL
							alpha-BHC	0.0025 ug/mL
							beta-BHC	0.0025 ug/mL
							cis-Chlordane	0.0025 ug/mL
							delta-BHC	0.0025 ug/mL
							Dieldrin	0.0025 ug/mL
							Endosulfan I	0.0025 ug/mL
							Endosulfan II	0.0025 ug/mL
							Endosulfan sulfate	0.0025 ug/mL
							Endrin	0.0025 ug/mL
							Endrin aldehyde	0.0025 ug/mL
							Endrin ketone	0.0025 ug/mL
							gamma-BHC (Lindane)	0.0025 ug/mL
							Heptachlor	0.0025 ug/mL
							Heptachlor epoxide	0.0025 ug/mL
							Methoxychlor	0.0025 ug/mL
							trans-Chlordane	0.0025 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SGMIREX_00034	06/05/24		Accu standard, Lot 219051741		(Purchased Reagent)		Mirex	100 ug/mL
.SGPEST(DL)_00021	08/31/24	01/18/24	Hexane, Lot 0000059690	1 mL	SGPEST_00009	50 uL	4,4'-DDD	100 ug/mL
							4,4'-DDE	100 ug/mL
							4,4'-DDT	100 ug/mL
							Aldrin	100 ug/mL
							alpha-BHC	100 ug/mL
							beta-BHC	100 ug/mL
							cis-Chlordane	100 ug/mL
							delta-BHC	100 ug/mL
							Dieldrin	100 ug/mL
							Endosulfan I	100 ug/mL
							Endosulfan II	100 ug/mL
							Endosulfan sulfate	100 ug/mL
							Endrin	100 ug/mL
							Endrin aldehyde	100 ug/mL
							Endrin ketone	100 ug/mL
							gamma-BHC (Lindane)	100 ug/mL
							Heptachlor	100 ug/mL
							Heptachlor epoxide	100 ug/mL
							Methoxychlor	100 ug/mL
							trans-Chlordane	100 ug/mL
..SGPEST_00009	08/31/24		RESTEK, Lot A0159910		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
SGPESTL2_00046	06/05/24	01/24/24	Hexane, Lot 0000059690	200 mL	PESTSURRMIX_00011	50 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					SGMIREX_00034	100 uL	Mirex	0.05 ug/mL
					SGPEST_00009	5 uL	4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							cis-Chlordane	0.05 ug/mL
							delta-BHC	0.05 ug/mL
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
							trans-Chlordane	0.05 ug/mL
.PESTSURRMIX_00011	10/31/25	RESTEK, Lot A0150871			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SGMIREX_00034	06/05/24	Accu standard, Lot 219051741			(Purchased Reagent)		Mirex	100 ug/mL
.SGPEST_00009	08/31/24	RESTEK, Lot A0159910			(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
SGPESTL3_00044	06/05/24	01/18/24	Hexane, Lot 0000059690	500 mL	PESTSURRMIX_00011	250 uL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
					SGMIREX_00034	500 uL	Mirex	0.1 ug/mL
					SGPEST_00009	25 uL	4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							beta-BHC	0.1 ug/mL
							cis-Chlordane	0.1 ug/mL
							delta-BHC	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan I	0.1 ug/mL
							Endosulfan II	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							Endrin aldehyde	0.1 ug/mL
							Endrin ketone	0.1 ug/mL
							gamma-BHC (Lindane)	0.1 ug/mL
							Heptachlor	0.1 ug/mL
							Heptachlor epoxide	0.1 ug/mL
							Methoxychlor	0.1 ug/mL
							trans-Chlordane	0.1 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SGMIREX_00034	06/05/24		Accu standard, Lot 219051741		(Purchased Reagent)		Mirex	100 ug/mL
.SGPEST_00009	08/31/24		RESTEK, Lot A0159910		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
SGPESTL4_00041	06/05/24	01/24/24	Hexane, Lot 0000059690	200 mL	PESTSURRMIX_00011	150 uL	DCB Decachlorobiphenyl	0.15 ug/mL
							Tetrachloro-m-xylene	0.15 ug/mL
					SGMIREX_00034	500 uL	Mirex	0.25 ug/mL
					SGPEST_00009	25 uL	4,4'-DDD	0.25 ug/mL
							4,4'-DDE	0.25 ug/mL
							4,4'-DDT	0.25 ug/mL
							Aldrin	0.25 ug/mL
							alpha-BHC	0.25 ug/mL
							beta-BHC	0.25 ug/mL
							cis-Chlordane	0.25 ug/mL
							delta-BHC	0.25 ug/mL
							Dieldrin	0.25 ug/mL
							Endosulfan I	0.25 ug/mL
							Endosulfan II	0.25 ug/mL
							Endosulfan sulfate	0.25 ug/mL
							Endrin	0.25 ug/mL
							Endrin aldehyde	0.25 ug/mL
							Endrin ketone	0.25 ug/mL
							gamma-BHC (Lindane)	0.25 ug/mL
							Heptachlor	0.25 ug/mL
							Heptachlor epoxide	0.25 ug/mL
							Methoxychlor	0.25 ug/mL
							trans-Chlordane	0.25 ug/mL
.PESTSURRMIX_00011	10/31/25	RESTEK, Lot A0150871			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SGMIREX_00034	06/05/24	Accu standard, Lot 219051741			(Purchased Reagent)		Mirex	100 ug/mL
.SGPEST_00009	08/31/24	RESTEK, Lot A0159910			(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-Chlordane	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
SGPESTL5_00042	06/05/24	01/24/24	Hexane, Lot 0000059690	200 mL	PESTSURRMIX_00011	200 uL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
					SGMIREX_00034	1000 uL	Mirex	0.5 ug/mL
					SGPEST_00009	50 uL	4,4'-DDD	0.5 ug/mL
							4,4'-DDE	0.5 ug/mL
							4,4'-DDT	0.5 ug/mL
							Aldrin	0.5 ug/mL
							alpha-BHC	0.5 ug/mL
							beta-BHC	0.5 ug/mL
							cis-Chlordane	0.5 ug/mL
							delta-BHC	0.5 ug/mL
							Dieldrin	0.5 ug/mL
							Endosulfan I	0.5 ug/mL
							Endosulfan II	0.5 ug/mL
							Endosulfan sulfate	0.5 ug/mL
							Endrin	0.5 ug/mL
							Endrin aldehyde	0.5 ug/mL
							Endrin ketone	0.5 ug/mL
							gamma-BHC (Lindane)	0.5 ug/mL
							Heptachlor	0.5 ug/mL
							Heptachlor epoxide	0.5 ug/mL
							Methoxychlor	0.5 ug/mL
							trans-Chlordane	0.5 ug/mL
.PESTSURRMIX_00011	10/31/25	RESTEK, Lot A0150871			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SGMIREX_00034	06/05/24	Accu standard, Lot 219051741			(Purchased Reagent)		Mirex	100 ug/mL
.SGPEST_00009	08/31/24	RESTEK, Lot A0159910			(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							beta-BHC	2000 ug/mL
							cis-Chlordane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
							trans-Chlordane	2000 ug/mL
SGPIBLK_00036	04/15/25	04/15/24	Hexane, Lot J33E40	1000 mL	PESTSURRMIX_00011	100 uL	DCB Decachlorobiphenyl	0.02 ug/mL
							Tetrachloro-m-xylene	0.02 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPTICV_00048	06/05/24	01/24/24	Hexane, Lot 0000059690	100 mL	PESTSURR2nd_00001	50 uL	DCB Decachlorobiphenyl	100 ug/L
							Tetrachloro-m-xylene	100 ug/L
					SGPEST2nd_00001	5 uL	Endrin	100 ug/L
							gamma-BHC (Lindane)	100 ug/L
							Heptachlor	100 ug/L
							Heptachlor epoxide	100 ug/L
							Methoxychlor	100 ug/L
.PESTSURR2nd_00001	03/30/27		Restek, Lot A0167624		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SGPEST2nd_00001	05/20/26		RESTEK, Lot A0180239		(Purchased Reagent)		Endrin	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
SGTOX ICV_00019	11/09/24	11/09/23	Hexane, Lot 0000033895	100 mL	SGTOX_00013	20 uL	Toxaphene	1 ug/mL
.SGTOX_00013	07/30/26		RESTEK, Lot A0184498		(Purchased Reagent)		Toxaphene	5000 ug/mL
SGTOXAPHENEL1_00012	07/11/24	07/12/23	Hexane, Lot 0000033895	100 mL	SGTOX_00012	1 uL	Toxaphene Peak 1	0.05 ug/mL
							Toxaphene Peak 2	0.05 ug/mL
							Toxaphene Peak 3	0.05 ug/mL
							Toxaphene Peak 4	0.05 ug/mL
							Toxaphene Peak 5	0.05 ug/mL
.SGTOX_00012	05/31/26		RESTEK, Lot A0182334		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
SGTOXAPHENEL3_00011	07/11/24	07/12/23	Hexane, Lot 0000033895	100 mL	SGTOX_00012	10 uL	Toxaphene Peak 1	0.5 ug/mL
							Toxaphene Peak 2	0.5 ug/mL
							Toxaphene Peak 3	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 4	0.5 ug/mL
							Toxaphene Peak 5	0.5 ug/mL
.SGTOX_00012	05/31/26		RESTEK, Lot A0182334		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
SGTOXAPHENEL4_00012	07/11/24	07/12/23	Hexane, Lot 0000033895	100 mL	SGTOX_00012	20 uL	Toxaphene Peak 1	1 ug/mL
							Toxaphene Peak 2	1 ug/mL
							Toxaphene Peak 3	1 ug/mL
							Toxaphene Peak 4	1 ug/mL
							Toxaphene Peak 5	1 ug/mL
.SGTOX_00012	05/31/26		RESTEK, Lot A0182334		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
SGTOXAPHENEL4_00012	07/11/24	07/12/23	Hexane, Lot 0000033895	100 mL	SGTOX_00012	20 uL	Toxaphene	1 ug/mL
.SGTOX_00012	05/31/26		RESTEK, Lot A0182334		(Purchased Reagent)		Toxaphene	5000 ug/mL
SGTOXAPHENEL5_00011	07/11/24	07/12/23	Hexane, Lot 0000033895	100 mL	SGTOX_00012	30 uL	Toxaphene Peak 1	1.5 ug/mL
							Toxaphene Peak 2	1.5 ug/mL
							Toxaphene Peak 3	1.5 ug/mL
							Toxaphene Peak 4	1.5 ug/mL
							Toxaphene Peak 5	1.5 ug/mL
.SGTOX_00012	05/31/26		RESTEK, Lot A0182334		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
SGTOXAPHENEL6_00011	07/11/24	07/12/23	Hexane, Lot 0000033895	100 mL	SGTOX_00012	50 uL	Toxaphene Peak 1	2.5 ug/mL
							Toxaphene Peak 2	2.5 ug/mL
							Toxaphene Peak 3	2.5 ug/mL
							Toxaphene Peak 4	2.5 ug/mL
							Toxaphene Peak 5	2.5 ug/mL
.SGTOX_00012	05/31/26		RESTEK, Lot A0182334		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
SM_ISTD_LVI_00197	03/30/25	03/26/24	MeCl2, Lot 762001	50 mL	SM_ISTD_00197	10 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMDFTP_CH_00036							4,4'-DDD	
							4,4'-DDE	
							Tentatively Identified Compound	
					SMDFTTP_CH_00021	2.5 mL	4,4'-DDT	25 ug/mL
							Benzidine_T	25 ug/mL
							DFTPP	25 ug/mL
							Pentachlorophenol_T	25 ug/mL
.SMDFTTP_CH_00021	07/31/26		Restek, Lot A0200028		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol_T	1000 ug/mL
SV_BNAL1_LVI_00006	03/28/25	03/28/24	MeCl2, Lot 762001	10 mL	SV_BNA_L1_00006	2 mL	2-Fluorobiphenyl	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
							n,n'-Dimethylaniline	0.1 ug/mL
							N-Methylaniline	0.1 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							1,2,4-Trichlorobenzene	0.1 ug/mL
							1,4-Dioxane	0.1 ug/mL
							4-Chloroaniline	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Bis(2-chloroethyl)ether	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							N-Nitrosodi-n-propylamine	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Nitrobenzene	0.1 ug/mL
							Pyridine	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SV_BNA_L1_00006	03/28/25	03/28/24	MeCl2, Lot 762001	50 mL	SM_8270_surr_00014	5 uL	2-Fluorobiphenyl	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
					SM_8270cusmix_00005	12.5 uL	n,n'-Dimethylaniline	0.5 ug/mL
							N-Methylaniline	0.5 ug/mL
					SM_ISTD_00197	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_STD#1mega_00026	25 uL	1,2,4-Trichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pyridine	1 ug/mL
..SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2-Fluorobiphenyl	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL2_LVI_00006	03/28/25	03/28/24	MeCl2, Lot 762001	10 mL	SV_BNA_L2_00006	2 mL	2,4,6-Tribromophenol (Surr)	0.2 ug/mL
							2-Fluorobiphenyl	0.2 ug/mL
							2-Fluorophenol (Surr)	0.2 ug/mL
							Nitrobenzene-d5 (Surr)	0.2 ug/mL
							Phenol-d5 (Surr)	0.2 ug/mL
							Terphenyl-d14 (Surr)	0.2 ug/mL
							2-tertbutyl-4-methylphenol	0.2 ug/mL
							n,n'-Dimethylaniline	0.2 ug/mL
							N-Methylaniline	0.2 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	0.2 ug/mL
							Benzaldehyde	0.2 ug/mL
							Caprolactam	0.2 ug/mL
							3,3'-Dichlorobenzidine	0.2 ug/mL
							1,2,4-Trichlorobenzene	0.2 ug/mL
							1,4-Dioxane	0.2 ug/mL
							1-Methylnaphthalene	0.2 ug/mL
							2,4,6-Trichlorophenol	0.2 ug/mL
							2,4-Dinitrotoluene	0.2 ug/mL
							2,6-Dinitrotoluene	0.2 ug/mL
							2-Methylnaphthalene	0.2 ug/mL
							4-Chloroaniline	0.2 ug/mL
							Benzo[a]anthracene	0.2 ug/mL
							Benzo[a]pyrene	0.2 ug/mL
							Benzo[b]fluoranthene	0.2 ug/mL
							Benzo[g,h,i]perylene	0.2 ug/mL
							Benzo[k]fluoranthene	0.2 ug/mL
							Bis(2-chloroethyl)ether	0.2 ug/mL
							Bis(2-ethylhexyl) phthalate	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	0.2 ug/mL
							Dibenz(a,h)anthracene	0.2 ug/mL
							Fluoranthene	0.2 ug/mL
							Fluorene	0.2 ug/mL
							Hexachlorobenzene	0.2 ug/mL
							Hexachlorobutadiene	0.2 ug/mL
							Hexachloroethane	0.2 ug/mL
							Indeno[1,2,3-cd]pyrene	0.2 ug/mL
							Isophorone	0.2 ug/mL
							N-Nitrosodi-n-propylamine	0.2 ug/mL
							Naphthalene	0.2 ug/mL
							Nitrobenzene	0.2 ug/mL
							Pyrene	0.2 ug/mL
							Pyridine	0.4 ug/mL
.SV_BNA_L2_00006	03/28/25	03/28/24	MeCl2, Lot 762001	50 mL	SM_8270_surr_00014	10 uL	2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
					SM_8270cusmix_00005	25 uL	2-tertbutyl-4-methylphenol	1 ug/mL
							n,n'-Dimethylaniline	1 ug/mL
							N-Methylaniline	1 ug/mL
					SM_ISTD_00197	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	25 uL	Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
					SM_std #9BNA_00024	25 uL	3,3'-Dichlorobenzidine	1 ug/mL
					SM_STD#1mega_00026	50 uL	1,2,4-Trichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							4-Chloroaniline	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Chrysene	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	2 ug/mL
..SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		2-tertbutyl-4-methylphenol	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL3_LVI_00008	03/28/25	03/28/24	MeCl2, Lot 762001	10 mL	SV_BNA_L3_00006	2 mL	1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	0.4 ug/mL
							Benzaldehyde	0.4 ug/mL
							Caprolactam	0.4 ug/mL
.SV_BNA_L3_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	25 uL	Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
SV_BNAL4_LVI_00008	03/28/25	03/28/24	MeCl2, Lot 762001	10 mL	SV_BNA_L4_00006	2 mL	Benzoic acid	1 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
							1,3-Dimethylnaphthalene	1 ug/mL
							2-tertbutyl-4-methylphenol	1 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	1 ug/mL
							Carbamazepine	1 ug/mL
							Coumarin	1 ug/mL
							n,n'-Dimethylaniline	1 ug/mL
							N-Methylaniline	1 ug/mL
							Pentachloronitrobenzene	1 ug/mL
							Phenyl ether	1 ug/mL
							Bisphenol-A	1 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Methylphenol	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	2 ug/mL
.SV_BNA_L4_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	62.5 uL	Benzoic acid	5 ug/mL
					SM_8270_surr_00014	25 uL	2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
					SM_8270cusmix_00005	62.5 uL	1,3-Dimethylnaphthalene	5 ug/mL
							2-tertbutyl-4-methylphenol	5 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	5 ug/mL
							Carbamazepine	5 ug/mL
							Coumarin	5 ug/mL
							n,n'-Dimethylaniline	5 ug/mL
							N-Methylaniline	5 ug/mL
							Pentachloronitrobenzene	5 ug/mL
							Phenyl ether	5 ug/mL
					SM_BPA_00020	125 uL	Bisphenol-A	5 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	62.5 uL	Atrazine	5 ug/mL
							Benzaldehyde	5 ug/mL
							Caprolactam	5 ug/mL
					SM_std #9BNA_00024	62.5 uL	3,3'-Dichlorobenzidine	5 ug/mL
							Benzidine	5 ug/mL
					SM_STD#1mega_00026	125 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Methylphenol	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	10 ug/mL
..SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL5_LVI_00008	03/28/25	03/28/24	MeCl2, Lot 762001	10 mL	SV_BNA_L5_00006	2 mL	Benzoic acid	2 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
							1,3-Dimethylnaphthalene	2 ug/mL
							2-tertbutyl-4-methylphenol	2 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2 ug/mL
							Carbamazepine	2 ug/mL
							Coumarin	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n,n'-Dimethylaniline	2 ug/mL
							N-Methylaniline	2 ug/mL
							Pentachloronitrobenzene	2 ug/mL
							Phenyl ether	2 ug/mL
							Bisphenol-A	2 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Methylphenol	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	4 ug/mL
.SV_BNA_L5_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	125 uL	Benzoic acid	10 ug/mL
					SM_8270_surr_00014	50 uL	2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
					SM_8270cusmix_00005	125 uL	1,3-Dimethylnaphthalene	10 ug/mL
							2-tertbutyl-4-methylphenol	10 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	10 ug/mL
							Carbamazepine	10 ug/mL
							Coumarin	10 ug/mL
							n,n'-Dimethylaniline	10 ug/mL
							N-Methylaniline	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenyl ether	10 ug/mL
					SM_BPA_00020	250 uL	Bisphenol-A	10 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	125 uL	Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
					SM_std #9BNA_00024	125 uL	3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
					SM_STD#1mega_00026	250 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
..SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL6_LVI_00009	03/28/25	03/28/24	MeCl2, Lot 762001	10 mL	SV_BNA_L6_00006	2 mL	Benzoic acid	4 ug/mL
							2,4,6-Tribromophenol (Surr)	4 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol (Surr)	4 ug/mL
							Nitrobenzene-d5 (Surr)	4 ug/mL
							Phenol-d5 (Surr)	4 ug/mL
							Terphenyl-d14 (Surr)	4 ug/mL
							1,3-Dimethylnaphthalene	4 ug/mL
							2-tertbutyl-4-methylphenol	4 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	4 ug/mL
							Carbamazepine	4 ug/mL
							Coumarin	4 ug/mL
							n,n'-Dimethylaniline	4 ug/mL
							N-Methylaniline	4 ug/mL
							Pentachloronitrobenzene	4 ug/mL
							Phenyl ether	4 ug/mL
							Bisphenol-A	4 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	3.2 ug/mL
							Benzaldehyde	3.2 ug/mL
							Caprolactam	3.2 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							1,1'-Biphenyl	4 ug/mL
							1,2,4,5-Tetrachlorobenzene	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1,4-Dioxane	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,3,4,6-Tetrachlorophenol	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	8 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dichlorophenol	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	8 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	8 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Acetophenone	4 ug/mL
							Aniline	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							n-Decane	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							n-Octadecane	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	8 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	8 ug/mL
.SV_BNA_L6_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	250 uL	Benzoic acid	20 ug/mL
					SM_8270_surr_00014	100 uL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SM_8270cusmix_00005	250 uL	1,3-Dimethylnaphthalene	20 ug/mL
							2-tertbutyl-4-methylphenol	20 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	20 ug/mL
							Carbamazepine	20 ug/mL
							Coumarin	20 ug/mL
							n,n'-Dimethylaniline	20 ug/mL
							N-Methylaniline	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenyl ether	20 ug/mL
					SM_BPA_00020	500 uL	Bisphenol-A	20 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	200 uL	Atrazine	16 ug/mL
							Benzaldehyde	16 ug/mL
							Caprolactam	16 ug/mL
					SM_std #9BNA_00024	250 uL	3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
					SM_STD#1mega_00026	500 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
..SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL7_LVI_00009	03/27/25	03/27/24	MeCl2, Lot 762001	10 mL	SV_BNA_L7_00007	2 mL	Benzoic acid	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
							1,3-Dimethylnaphthalene	10 ug/mL
							2-tertbutyl-4-methylphenol	10 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	10 ug/mL
							Carbamazepine	10 ug/mL
							Coumarin	10 ug/mL
							n,n'-Dimethylaniline	10 ug/mL
							N-Methylaniline	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenyl ether	10 ug/mL
							Bisphenol-A	10 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
							2,3,7,8-TCDD	0.1 ug/mL
.SV_BNA_L7_00007	03/28/25	03/28/24	MeCl2, Lot 762001	100 mL	SM-BenzAcid_00020	2500 uL	Benzoic acid	50 ug/mL
					SM_8270_surr_00014	1000 uL	2,4,6-Tribromophenol (Surr)	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol (Surr)	50 ug/mL
							Nitrobenzene-d5 (Surr)	50 ug/mL
							Phenol-d5 (Surr)	50 ug/mL
							Terphenyl-d14 (Surr)	50 ug/mL
					SM_8270cusmix_00005	2500 uL	1,3-Dimethylnaphthalene	50 ug/mL
							2-tertbutyl-4-methylphenol	50 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	50 ug/mL
							Carbamazepine	50 ug/mL
							Coumarin	50 ug/mL
							n,n'-Dimethylaniline	50 ug/mL
							N-Methylaniline	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	50 ug/mL
							Phenyl ether	50 ug/mL
					SM_BPA_00020	5000 uL	Bisphenol-A	50 ug/mL
					SM_ISTD_00197	2000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	1000 uL	Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
					SM_std #9BNA_00024	2500 uL	3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
					SM_STD#1mega_00026	5000 uL	1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dichlorophenol	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							n-Decane	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							n-Octadecane	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	100 ug/mL
					SM_TCDD_00016	1000 uL	2,3,7,8-TCDD	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SM_TCDD_00016	03/31/28	Spex CertiPrep, Lot AA201542801			(Purchased Reagent)		2,3,7,8-TCDD	50 ug/mL
SV_BNAL8_LVI_00008	03/28/25	03/28/24	MeCl2, Lot 762001	10 mL	SV_BNA_L8_00006	2 mL	Benzoic acid	16 ug/mL
							2,4,6-Tribromophenol (Surr)	16 ug/mL
							2-Fluorobiphenyl	16 ug/mL
							2-Fluorophenol (Surr)	16 ug/mL
							Nitrobenzene-d5 (Surr)	16 ug/mL
							Phenol-d5 (Surr)	16 ug/mL
							Terphenyl-d14 (Surr)	16 ug/mL
							1,3-Dimethylnaphthalene	16 ug/mL
							2-tertbutyl-4-methylphenol	16 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	16 ug/mL
							Carbamazepine	16 ug/mL
							Coumarin	16 ug/mL
							n,n'-Dimethylaniline	16 ug/mL
							N-Methylaniline	16 ug/mL
							Pentachloronitrobenzene	16 ug/mL
							Phenyl ether	16 ug/mL
							Bisphenol-A	16 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	4.8 ug/mL
							Benzaldehyde	4.8 ug/mL
							Caprolactam	4.8 ug/mL
							3,3'-Dichlorobenzidine	16 ug/mL
							Benzidine	16 ug/mL
							1,1'-Biphenyl	16 ug/mL
							1,2,4,5-Tetrachlorobenzene	16 ug/mL
							1,2,4-Trichlorobenzene	16 ug/mL
							1,2-Dichlorobenzene	16 ug/mL
							1,2-Diphenylhydrazine	16 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	16 ug/mL
							1,4-Dichlorobenzene	16 ug/mL
							1,4-Dioxane	16 ug/mL
							1-Methylnaphthalene	16 ug/mL
							2,2'-oxybis[1-chloropropane]	16 ug/mL
							2,3,4,6-Tetrachlorophenol	16 ug/mL
							2,4,5-Trichlorophenol	16 ug/mL
							2,4,6-Trichlorophenol	16 ug/mL
							2,4-Dichlorophenol	16 ug/mL
							2,4-Dimethylphenol	16 ug/mL
							2,4-Dinitrophenol	32 ug/mL
							2,4-Dinitrotoluene	16 ug/mL
							2,6-Dichlorophenol	16 ug/mL
							2,6-Dinitrotoluene	16 ug/mL
							2-Chloronaphthalene	16 ug/mL
							2-Chlorophenol	16 ug/mL
							2-Methylnaphthalene	16 ug/mL
							2-Methylphenol	16 ug/mL
							2-Nitroaniline	16 ug/mL
							2-Nitrophenol	16 ug/mL
							3 & 4 Methylphenol	16 ug/mL
							3-Nitroaniline	16 ug/mL
							4,6-Dinitro-2-methylphenol	32 ug/mL
							4-Bromophenyl phenyl ether	16 ug/mL
							4-Chloro-3-methylphenol	16 ug/mL
							4-Chloroaniline	16 ug/mL
							4-Chlorophenyl phenyl ether	16 ug/mL
							4-Methylphenol	16 ug/mL
							4-Nitroaniline	16 ug/mL
							4-Nitrophenol	32 ug/mL
							Acenaphthene	16 ug/mL
							Acenaphthylene	16 ug/mL
							Acetophenone	16 ug/mL
							Aniline	16 ug/mL
							Anthracene	16 ug/mL
							Azobenzene	16 ug/mL
							Benzo[a]anthracene	16 ug/mL
							Benzo[a]pyrene	16 ug/mL
							Benzo[b]fluoranthene	16 ug/mL
							Benzo[g,h,i]perylene	16 ug/mL
							Benzo[k]fluoranthene	16 ug/mL
							Benzyl alcohol	16 ug/mL
							Bis(2-chloroethoxy)methane	16 ug/mL
							Bis(2-chloroethyl)ether	16 ug/mL
							Bis(2-ethylhexyl) phthalate	16 ug/mL
							Butyl benzyl phthalate	16 ug/mL
							Carbazole	16 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	16 ug/mL
							Di-n-butyl phthalate	16 ug/mL
							Di-n-octyl phthalate	16 ug/mL
							Dibenz(a,h)anthracene	16 ug/mL
							Dibenzofuran	16 ug/mL
							Diethyl phthalate	16 ug/mL
							Dimethyl phthalate	16 ug/mL
							Fluoranthene	16 ug/mL
							Fluorene	16 ug/mL
							Hexachlorobenzene	16 ug/mL
							Hexachlorobutadiene	16 ug/mL
							Hexachlorocyclopentadiene	16 ug/mL
							Hexachloroethane	16 ug/mL
							Indeno[1,2,3-cd]pyrene	16 ug/mL
							Isophorone	16 ug/mL
							n-Decane	16 ug/mL
							N-Nitrosodi-n-propylamine	16 ug/mL
							N-Nitrosodimethylamine	16 ug/mL
							N-Nitrosodiphenylamine	16 ug/mL
							n-Octadecane	16 ug/mL
							Naphthalene	16 ug/mL
							Nitrobenzene	16 ug/mL
							Pentachlorophenol	32 ug/mL
							Phenanthrene	16 ug/mL
							Phenol	16 ug/mL
							Pyrene	16 ug/mL
							Pyridine	32 ug/mL
.SV_BNA_L8_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	1000 uL	Benzoic acid	80 ug/mL
					SM_8270_surr_00014	400 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
					SM_8270cusmix_00005	1000 uL	1,3-Dimethylnaphthalene	80 ug/mL
							2-tertbutyl-4-methylphenol	80 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	80 ug/mL
							Carbamazepine	80 ug/mL
							Coumarin	80 ug/mL
							n,n'-Dimethylaniline	80 ug/mL
							N-Methylaniline	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL
							Phenyl ether	80 ug/mL
					SM_BPA_00020	2000 uL	Bisphenol-A	80 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	300 uL	Atrazine	24 ug/mL
							Benzaldehyde	24 ug/mL
							Caprolactam	24 ug/mL
					SM_std #9BNA_00024	1000 uL	3,3'-Dichlorobenzidine	80 ug/mL
							Benzidine	80 ug/mL
					SM_STD#1mega_00026	2000 uL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	160 ug/mL
..SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL9_LVI_00007	03/28/25	03/28/24	MeCl2, Lot 762001	10 mL	SV_BNA_L9_00006	2 mL	Benzoic acid	24 ug/mL
							2,4,6-Tribromophenol (Surr)	24 ug/mL
							2-Fluorobiphenyl	24 ug/mL
							2-Fluorophenol (Surr)	24 ug/mL
							Nitrobenzene-d5 (Surr)	24 ug/mL
							Phenol-d5 (Surr)	24 ug/mL
							Terphenyl-d14 (Surr)	24 ug/mL
							1,3-Dimethylnaphthalene	24 ug/mL
							2-tertbutyl-4-methylphenol	24 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	24 ug/mL
							Carbamazepine	24 ug/mL
							Coumarin	24 ug/mL
							n,n'-Dimethylaniline	24 ug/mL
							N-Methylaniline	24 ug/mL
							Pentachloronitrobenzene	24 ug/mL
							Phenyl ether	24 ug/mL
							Bisphenol-A	24 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	6.4 ug/mL
							Benzaldehyde	6.4 ug/mL
							Caprolactam	6.4 ug/mL
							3,3'-Dichlorobenzidine	24 ug/mL
							Benzidine	24 ug/mL
							1,1'-Biphenyl	24 ug/mL
							1,2,4,5-Tetrachlorobenzene	24 ug/mL
							1,2,4-Trichlorobenzene	24 ug/mL
							1,2-Dichlorobenzene	24 ug/mL
							1,2-Diphenylhydrazine	24 ug/mL
							1,3-Dichlorobenzene	24 ug/mL
							1,4-Dichlorobenzene	24 ug/mL
							1,4-Dioxane	24 ug/mL
							1-Methylnaphthalene	24 ug/mL
							2,2'-oxybis[1-chloropropane]	24 ug/mL
							2,3,4,6-Tetrachlorophenol	24 ug/mL
							2,4,5-Trichlorophenol	24 ug/mL
							2,4,6-Trichlorophenol	24 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	24 ug/mL
							2,4-Dimethylphenol	24 ug/mL
							2,4-Dinitrophenol	48 ug/mL
							2,4-Dinitrotoluene	24 ug/mL
							2,6-Dichlorophenol	24 ug/mL
							2,6-Dinitrotoluene	24 ug/mL
							2-Chloronaphthalene	24 ug/mL
							2-Chlorophenol	24 ug/mL
							2-Methylnaphthalene	24 ug/mL
							2-Methylphenol	24 ug/mL
							2-Nitroaniline	24 ug/mL
							2-Nitrophenol	24 ug/mL
							3 & 4 Methylphenol	24 ug/mL
							3-Nitroaniline	24 ug/mL
							4,6-Dinitro-2-methylphenol	48 ug/mL
							4-Bromophenyl phenyl ether	24 ug/mL
							4-Chloro-3-methylphenol	24 ug/mL
							4-Chloroaniline	24 ug/mL
							4-Chlorophenyl phenyl ether	24 ug/mL
							4-Methylphenol	24 ug/mL
							4-Nitroaniline	24 ug/mL
							4-Nitrophenol	48 ug/mL
							Acenaphthene	24 ug/mL
							Acenaphthylene	24 ug/mL
							Acetophenone	24 ug/mL
							Aniline	24 ug/mL
							Anthracene	24 ug/mL
							Azobenzene	24 ug/mL
							Benzo[a]anthracene	24 ug/mL
							Benzo[a]pyrene	24 ug/mL
							Benzo[b]fluoranthene	24 ug/mL
							Benzo[g,h,i]perylene	24 ug/mL
							Benzo[k]fluoranthene	24 ug/mL
							Benzyl alcohol	24 ug/mL
							Bis(2-chloroethoxy)methane	24 ug/mL
							Bis(2-chloroethyl)ether	24 ug/mL
							Bis(2-ethylhexyl) phthalate	24 ug/mL
							Butyl benzyl phthalate	24 ug/mL
							Carbazole	24 ug/mL
							Chrysene	24 ug/mL
							Di-n-butyl phthalate	24 ug/mL
							Di-n-octyl phthalate	24 ug/mL
							Dibenz(a,h)anthracene	24 ug/mL
							Dibenzofuran	24 ug/mL
							Diethyl phthalate	24 ug/mL
							Dimethyl phthalate	24 ug/mL
							Fluoranthene	24 ug/mL

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	24 ug/mL
							Hexachlorobenzene	24 ug/mL
							Hexachlorobutadiene	24 ug/mL
							Hexachlorocyclopentadiene	24 ug/mL
							Hexachloroethane	24 ug/mL
							Indeno[1,2,3-cd]pyrene	24 ug/mL
							Isophorone	24 ug/mL
							n-Decane	24 ug/mL
							N-Nitrosodi-n-propylamine	24 ug/mL
							N-Nitrosodimethylamine	24 ug/mL
							N-Nitrosodiphenylamine	24 ug/mL
							n-Octadecane	24 ug/mL
							Naphthalene	24 ug/mL
							Nitrobenzene	24 ug/mL
							Pentachlorophenol	48 ug/mL
							Phenanthrene	24 ug/mL
							Phenol	24 ug/mL
							Pyrene	24 ug/mL
							Pyridine	48 ug/mL
.SV_BNA_L9_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	1500 uL	Benzoic acid	120 ug/mL
					SM_8270_surr_00014	600 uL	2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Nitrobenzene-d5 (Surr)	120 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
							Terphenyl-d14 (Surr)	120 ug/mL
					SM_8270cusmix_00005	1500 uL	1,3-Dimethylnaphthalene	120 ug/mL
							2-tertbutyl-4-methylphenol	120 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	120 ug/mL
							Carbamazepine	120 ug/mL
							Coumarin	120 ug/mL
							n,n'-Dimethylaniline	120 ug/mL
							N-Methylaniline	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenyl ether	120 ug/mL
					SM_BPA_00020	3000 uL	Bisphenol-A	120 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	400 uL	Atrazine	32 ug/mL
							Benzaldehyde	32 ug/mL
							Caprolactam	32 ug/mL
					SM_std #9BNA_00024	1500 uL	3,3'-Dichlorobenzidine	120 ug/mL
							Benzidine	120 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SM_STD#1mega_00026	3000 uL	1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	120 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							n-Decane	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
							n-Octadecane	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	240 ug/mL
..SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	2000 ug/mL
..SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_ICV_ LVI_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	10 mL	SV_BNA_ICV_00010	2 mL	1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
.SV_BNA_ICV_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	25 mL	SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SV_ICV_ LVI_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	10 mL	SV_BNA_ICV_00010	2 mL	1,4-Dichlorobenzene	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2-Methylphenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Pyridine	20 ug/mL
.SV_BNA_ICV_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	25 mL	SM_STD1meg2nd_00006	1250 uL	1,4-Dichlorobenzene	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2-Methylphenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Pyridine	100 ug/mL
..SM_STD1meg2nd_00006	10/30/24		RESTEK, Lot A0190451		(Purchased Reagent)		1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Pyridine	2000 ug/mL
VMTBA500_00048	04/27/24	03/27/24	MeOH, Lot 22L0562016	2 mL	TBA AB_00007	50 uL	2-Methyl-2-propanol	500 ug/mL
.TBA AB_00007	11/11/25	ABSOLUTE, Lot 111120			(Purchased Reagent)		2-Methyl-2-propanol	20000 ug/mL
wc_1% C_ICV_00002	06/06/24	03/06/24	Deionized H2O, Lot n/a	100 mL	KHP_2nd_stock_00003	2.128 g	TOC Result 1	1.00122 %
.KHP_2nd_stock_00003	02/14/28	Thermo Scientific, Lot N14J043			(Purchased Reagent)		TOC Result 1	47.05 %
WC_1% C_pri_00006	09/06/24	03/06/24	Deionized H2O, Lot n/a	100 mL	KHP_primary_00002	2.128 g	TOC Result 1	1.00122 %
.KHP_primary_00002	11/22/26	Thermo Scientific, Lot Y22H001			(Purchased Reagent)		TOC Result 1	47.05 %
WTlktocLCS_00028	01/18/25	ERA, Lot 01042405			(Purchased Reagent)		TOC Result 1	13700 mg/Kg

Reagent

14DIOXNEAT_00004

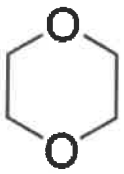
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Certificate of Analysis

Product Name:
1,4-Dioxane - analytical standard

Product Number:	**76887**
Batch Number:	**BCCH3811**
Brand:	SIAL
CAS Number:	123-91-1
Formula:	C4H8O2
Formula Weight:	88,11 g/mol
Quality Release Date:	18 MAR 2022
Expiration Date:	FEB 2025



R2386

HS 3/31/23 #10669636

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Purity (GC)	≥ 99.5 %	100.0 %
Refractive index at 20 °C	1.421 - 1.423	1.422
Water (Coulometric)	≤ 0.05 %	0.03 %
Peroxide (as H2O2)	≤ 50.00 mg/kg	< 50.00 mg/kg

Dr. R. Schwenninger

Dr.Reinhold Schwenninger
Quality Assurance
Buchs,Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

2-CEVEC_00028

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R2467
1/25/2024 MC #11480075

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0202590

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCK6742	99%	2,518.0 µg/mL	+/- 31.3370

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

7 Freons_00003

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CERTIFIED WEIGHT REPORT

Part Number:	65833	**Solvent(s):**	**Lot#**
Lot Number:	040723	Methanol	EF282-USQ5
Description:	Freon Standard Rev 1		
	7 components		
Expiration Date:	040726		
Recommended Storage:	Freezer (0 °C)		
Nominal Concentration (µg/mL):	2000		
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty

R2449
11/29/2023 MS #11349853

Eli Aliaga		040723
Formulated By:	Eli Aliaga	DATE
Pedro Rentas		040723
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Chlorodifluoromethane	33601	071422	0.10	10.00	0.042	20026.7	2002.2	18.7	75-45-6	1000 ppm(3500mg/m3/8H)	N/A
2. Chloropentafluoroethane	34471	050719	0.10	10.00	0.042	20213.6	2020.9	18.9	76-15-3	N/A	N/A
3. Chlorotrifluoroethene	33611	040523	0.20	20.00	0.003	10028.2	2005.1	8.2	79-38-9	N/A	N/A
4. 1,2-Dichlorotrifluoroethane	32641	080422	0.10	10.00	0.042	20020.4	2001.5	18.8	354-23-4	N/A	N/A
5. 2,2-Dichloro-1,1,1-trifluoroethane	33951	062022	0.10	10.00	0.042	20006.9	2000.2	18.7	306-83-2	N/A	N/A
6. 1,1-Difluoroethane	34411	121617	0.10	10.00	0.042	20009.4	2000.4	18.7	75-37-6	N/A	N/A
7. 1,2-Difluorotetrachloroethane	34481	102616	0.10	10.00	0.042	20010.7	2000.6	18.7	76-12-0	500 ppm	N/A

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

8260 SURR C_00062

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MS 12/14/23

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R2460

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0201943

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,522.5 µg/mL	+/- 141.7031
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,507.5 µg/mL	+/- 140.8605
3	Toluene-d8	2037-26-5	PR-33397	99%	2,514.5 µg/mL	+/- 141.2537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,522.5 µg/mL	+/- 141.7031

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Page 212 of 2613

Reagent

8260ISNEW_00171

R 2280

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0172729

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butyl-d9-alcohol **CAS #** 25725-11-5 **Purity** 99%	(Lot CD-107)	5,000.7 µg/mL	+/- 29.0730 +/- 107.0652 +/- 110.1778	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone-d5 **CAS #** 24313-50-6 **Purity** 99%	(Lot M-276)	1,250.3 µg/mL	+/- 7.2695 +/- 26.7698 +/- 27.5480	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Fluorobenzene **CAS #** 462-06-6 **Purity** 99%	(Lot BCBZ5549)	250.6 µg/mL	+/- 1.4604 +/- 5.3663 +/- 5.5222	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	1,4-Dioxane-d8 **CAS #** 17647-74-4 **Purity** 99%	(Lot RP210421V)	5,000.9 µg/mL	+/- 29.0740 +/- 107.0687 +/- 110.1814	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Chlorobenzene-d5 **CAS #** 3114-55-4 **Purity** 99%	(Lot PR-29571)	250.8 µg/mL	+/- 1.4615 +/- 5.3706 +/- 5.5267	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 **Purity** 99%	(Lot PR-30447)	250.4 µg/mL	+/- 1.4590 +/- 5.3613 +/- 5.5171	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Reagent

8260ISNEW_00203

R2504

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0208757

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butyl-d9-alcohol	25725-11-5	HJ-479	99%	5,041.2 µg/mL	+/- 62.6092
2	2-Butanone-d5	24313-50-6	HJ-279	99%	1,260.5 µg/mL	+/- 15.6628
3	Fluorobenzene	462-06-6	BCBZ5549	99%	250.8 µg/mL	+/- 3.1253
4	1,4-Dioxane-d8	17647-74-4	RP230605	99%	5,040.3 µg/mL	+/- 62.5988
5	Chlorobenzene-d5	3114-55-4	PR-31132	99%	252.2 µg/mL	+/- 3.1419
6	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	251.7 µg/mL	+/- 3.1357

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

ACROLEIN_00024

R2431

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0194513

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2024 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acrolein	107-02-8	RD230201	99%	19,768.0 µg/mL	+/- 580.7437

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

Acrylonitrile_00009

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CERTIFIED WEIGHT REPORT

Part Number: 79007
Lot Number: 111821
Description: Acrylonitrile

Solvent: Methanol **Lot#** EA899-USQ2

R2401 # 10853228 MS 5/31/23

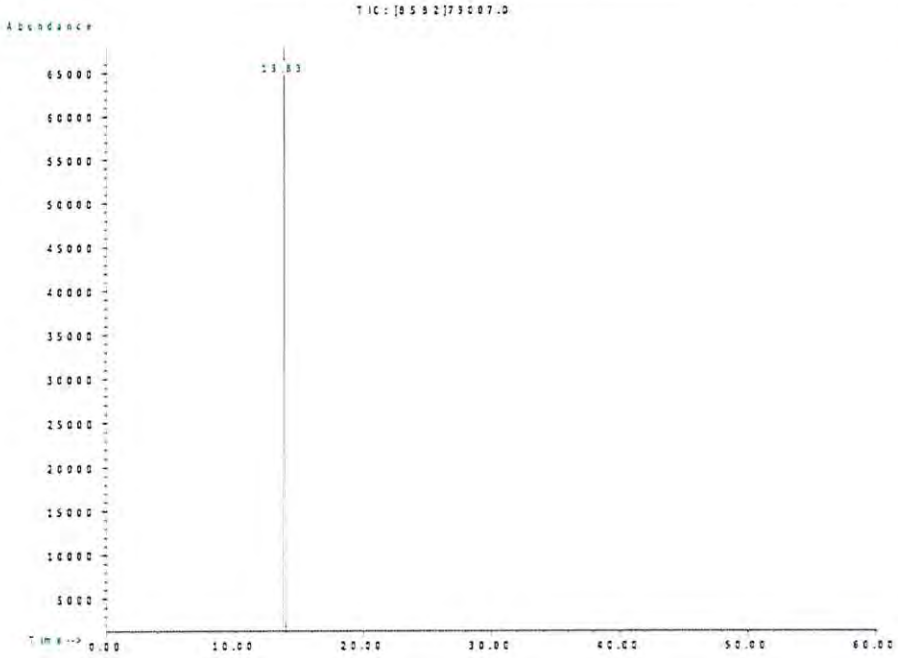
Expiration Date: 111824
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

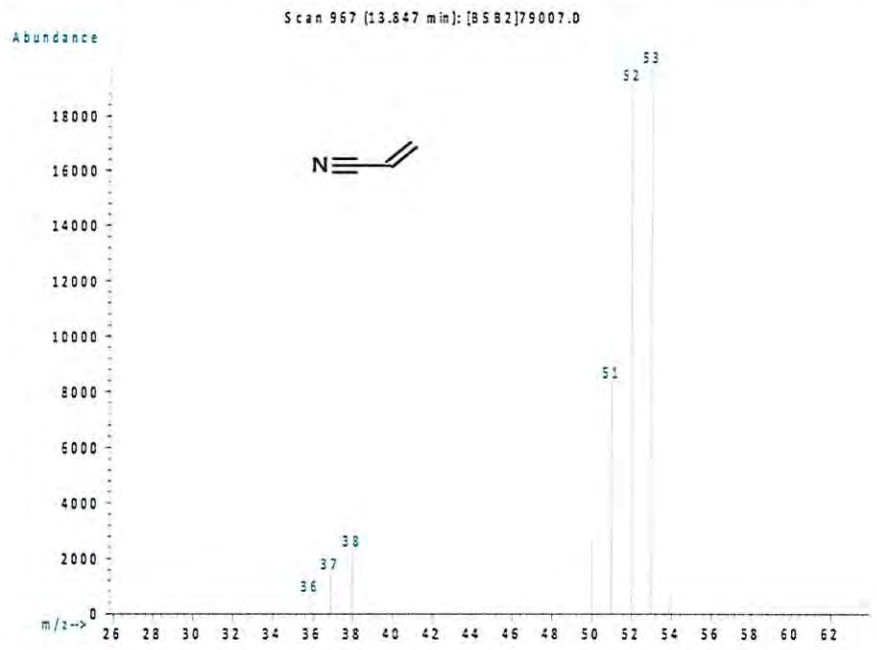
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	111821 DATE
Reviewed By:	Pedro L. Rentas	111821 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	1000	99	0.2	0.05054	0.05064	1002.0	4.5	107-13-1	N/A	orl-rat 78 mg/kg

Method: GC16MSD-1 **Detector:** Mass Selective Detector **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

EPICHLO(NEAT)_00001

R1584

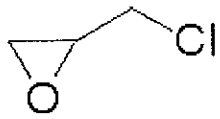
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Certificate of Analysis

Product Name:
(±)-Epichlorohydrin - purum, ≥99% (GC)



Product Number:	**45340**
Batch Number:	**SHBD0368V**
Brand:	FLUKA
CAS Number:	106-89-8
MDL Number:	MFCD00005132
Formula:	C3H5ClO
Formula Weight:	92.52 g/mol
Quality Release Date:	23 JAN 2013

Test	Specification	Result
Appearance (Clarity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms
Color Test	≤ 20 APHA	< 10 APHA
Refractive index at 20 ° C	1.437 - 1.439	1.438
Purity (GC)	≥ 99.0 %	99.9 %
Water (by Karl Fischer)	≤ 0.1 %	< 0.1 %

Jamie Gleason

Jamie Gleason, Manager
Quality Control
Sheboygan Falls, WI US

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ETHANOL(new)_00021

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R2470
1/25/2024 MS # 11480096

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571994 **Lot No.:** A0195429

Description : 8260 Ethanol Standard

8260 Ethanol Standard 100,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethanol	64-17-5	SHBQ2807	99%	100,006.7 µg/mL	+/- 1,243.9578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

Extra Cmpd_00021

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Certified Reference Material CRM

R 2453

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CERTIFIED WEIGHT REPORT

Part Number: 98593
Lot Number: 092922
Description: VOC Standard 2015
14 components
Expiration Date: 092925
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Methanol EC592-USQ6

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Benson Chan	092922 DATE
Reviewed By:	Pedro L. Rentas	092922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. n-Amyl acetate	1515	OGL01	2500	98	0.2	0.25511	0.25561	2504.9	10.3	628-63-7	100 ppm (525 mg/m3/8H)	orl-rbt 7400 mg/kg
2. tert-Amyl ethyl ether	2609	IKVYB-KF	2500	98	0.2	0.25511	0.25536	2502.4	10.3	919-94-8	N/A	inh-mus 81284mg/m3/15H
3. n-Butyl acrylate	1194	OGN01	2500	99	0.2	0.25254	0.25273	2501.9	10.2	141-32-2	10 ppm (55mg/m3/8H)	orl-rat 900mg/kg
4. Butyl methacrylate	1314	03220HG	2500	99	0.2	0.25254	0.25285	2503.1	10.2	97-88-1	N/A	orl-rat 18 g/kg
5. Cyclopentene	519	04013BX	2500	99	0.2	0.25254	0.25265	2501.1	10.2	142-29-0	N/A	orl-rat 1656mg/kg
6. 4-Ethyltoluene	1001	031097	2500	99	0.2	0.25254	0.25313	2505.9	10.2	622-96-8	N/A	N/A
7. Indan	955	02625MQ	2500	96	0.2	0.26043	0.26075	2503.1	10.5	496-11-7	N/A	N/A
8. Isoprene	1541	SHBN7340	2500	99.7	0.2	0.25076	0.25112	2503.5	10.1	78-79-5	N/A	N/A
9. Isopropyl acetate	1106	U17E045	2500	99.9	0.2	0.25026	0.25097	2507.1	10.1	108-21-4	250 ppm (950mg/m3)	orl-rbt 6946mg/kg
10. Methyl acrylate	1075	SHBK0679	2500	99.9	0.2	0.25026	0.25088	2506.2	10.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
11. n-Pentane	783	SHBM5087	**5000**	99.4	0.2	0.50304	0.50358	**5005.3**	20.2	109-66-0	600 ppm(1800mg/m3/8H)	ivn-mus 446mg/kg
12. Propyl acetate	1105	05017HY	2500	99	0.2	0.25254	0.25286	2503.2	10.2	109-60-4	200 ppm (840mg/m3)	orl-rat 9370mg/kg
13. 1,2,4,5-Tetramethylbenzene	1222	06310PW	2500	98	0.2	0.25511	0.25520	2500.8	10.3	95-93-2	N/A	orl-rat 6989mg/kg
14. 1,4-Diethylbenzene	949	OGE01	2500	98	0.2	0.25511	0.25536	2502.4	10.3	105-05-5	N/A	N/A

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

GASES C_00040

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R2451

MS 12/1123

#11357235

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722 **Lot No.:** A0198219

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,501.0 µg/mL	+/- 141.1841
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,503.5 µg/mL	+/- 141.4535
3	Vinyl chloride	75-01-4	00015559	99%	2,504.0 µg/mL	+/- 141.5201
4	1,3-Butadiene	106-99-0	00015314	99%	2,503.4 µg/mL	+/- 140.8433
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,508.8 µg/mL	+/- 141.7591
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,500.4 µg/mL	+/- 141.1450
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,502.0 µg/mL	+/- 140.5515
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,504.2 µg/mL	+/- 141.6568

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Page 220 of 2613

Reagent

GASES SS_00023

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R2459

MS 12/14/2023 #11392079

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722.SEC **Lot No.:** A0200059

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28302	99%	2,498.7 µg/mL	+/- 141.3032
2	Chloromethane (methyl chloride)	74-87-3.SEC	00016950	99%	2,499.9 µg/mL	+/- 141.5220
3	Vinyl chloride	75-01-4.SEC	MKBK6872V	99%	2,500.7 µg/mL	+/- 142.8051
4	1,3-Butadiene	106-99-0.SEC	26996	99%	2,500.4 µg/mL	+/- 141.3330
5	Bromomethane (methyl bromide)	74-83-9.SEC	00017022	99%	2,505.7 µg/mL	+/- 141.5475
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,499.8 µg/mL	+/- 141.4404
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14150400	90%	2,502.0 µg/mL	+/- 140.5657
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,500.7 µg/mL	+/- 142.0532

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

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Reagent

GASES SS_00025

R2501 11679624.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Leboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722.SEC **Lot No.:** A0210106

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,508.8 µg/mL	+/- 141.9696
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,503.3 µg/mL	+/- 142.0144
3	Vinyl chloride	75-01-4 *	00015559	99%	2,508.1 µg/mL	+/- 141.5910
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,509.7 µg/mL	+/- 141.7417
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,506.6 µg/mL	+/- 141.4209
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,510.1 µg/mL	+/- 142.2642
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,523.6 µg/mL	+/- 141.7792
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,512.0 µg/mL	+/- 142.1976

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Reagent

KetonesC SS_00016

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Certificate of Analysis

chromatographic plus

MS 11/7/23 R2444 #11295656

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721.SEC **Lot No.:** A0194631

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	S25F025	99%	12,530.8 µg/mL	+/- 433.0935
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,522.8 µg/mL	+/- 432.8170
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,555.6 µg/mL	+/- 433.9507
4	2-Hexanone	591-78-6.SEC	Y3TUO	99%	12,580.4 µg/mL	+/- 434.8078

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

KetonesC_00027

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Certificate of Analysis

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R2452

MS 12/1/23

11357243

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0193494

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	12,581.8 µg/mL	+/- 434.7671
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	12,578.5 µg/mL	+/- 434.6548
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	12,602.3 µg/mL	+/- 435.4755
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,587.5 µg/mL	+/- 434.9658

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Page 230 of 2613

Reagent

KetonesC_00028

R 2485 11574596.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0203422

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	27D1062005	99%	12,507.0 µg/mL	+/- 432.2709
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,507.0 µg/mL	+/- 432.2709
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,507.0 µg/mL	+/- 432.2709
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,506.0 µg/mL	+/- 432.2364

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

LIST2/STD6_00020

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Certificate of Analysis

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R2468
1/25/2024 MS # 11480084

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 **Lot No.:** A0203604

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	SHBQ4760	99%	25,118.5 µg/mL	+/- 410.7356
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	230928JLM	99%	2,517.5 µg/mL	+/- 41.1780
3	Methacrylonitrile	126-98-7	1012014	99%	25,073.0 µg/mL	+/- 409.9916
4	2,2,4-Trimethylpentane (isooctane)	540-84-1	SHBP5702	99%	2,521.5 µg/mL	+/- 41.2434
5	1-Butanol	71-36-3	101601K21K	99%	62,717.5 µg/mL	+/- 1,025.5446
6	2-Nitropropane	79-46-9	BCCB9352	97%	5,037.2 µg/mL	+/- 82.3680
7	1-Chlorohexane	544-10-5	BCBS3368V	99%	2,509.5 µg/mL	+/- 41.0471
8	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	2,524.0 µg/mL	+/- 41.2841
9	Benzyl chloride	100-44-7	SHBH2102V	99%	2,511.5 µg/mL	+/- 41.0798
10	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	2,515.0 µg/mL	+/- 41.1371

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

LIST2/STD7_00023

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R2469
1/25/2024 MS #11480095

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809 **Lot No.:** A0200274

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethyl acetate	141-78-6	SHBP9289	99%	5,031.0 µg/mL	+/- 173.8830
2	Ethyl acrylate	140-88-5	10129902	99%	2,502.5 µg/mL	+/- 86.4979
3	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,000.0 µg/mL	+/- 172.8116
4	Butyl acetate	123-86-4	SHBP6314	99%	2,506.0 µg/mL	+/- 86.6188

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

ME_6020BRL_IV_00003

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RL Std ICPMS from inorgan

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate #83.01

ACCREDITED Reference Material Producer Certificate #83.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-55664
Lot Number:	U2-MEB736940
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	20 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 12 µg/mL ea: Iron, 8 µg/mL ea: Boron, 4 µg/mL ea: Aluminum, 1.6 µg/mL ea: Tin, Zinc, 0.8 µg/mL ea: Manganese, 0.4 µg/mL ea: Molybdenum, Nickel, Barium, Cobalt, Chromium, Copper, Vanadium, Strontium, Titanium, 0.25 µg/mL ea: Selenium, 0.2 µg/mL ea: Antimony, Cadmium, Arsenic, Silver, 0.12 µg/mL ea: Lead, 0.08 µg/mL ea: Beryllium, Thallium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	3.999 ± 0.021 µg/mL	Antimony, Sb	0.2001 ± 0.0014 µg/mL
Arsenic, As	0.2001 ± 0.0014 µg/mL	Barium, Ba	0.4000 ± 0.0022 µg/mL
Beryllium, Be	0.0801 ± 0.0005 µg/mL	Boron, B	8.00 ± 0.05 µg/mL
Cadmium, Cd	0.2001 ± 0.0012 µg/mL	Calcium, Ca	20.00 ± 0.06 µg/mL
Chromium, Cr	0.4001 ± 0.0028 µg/mL	Cobalt, Co	0.4005 ± 0.0022 µg/mL
Copper, Cu	0.4008 ± 0.0022 µg/mL	Iron, Fe	12.00 ± 0.08 µg/mL
Lead, Pb	0.1201 ± 0.0007 µg/mL	Magnesium, Mg	20.00 ± 0.09 µg/mL
Manganese, Mn	0.800 ± 0.004 µg/mL	Molybdenum, Mo	0.3998 ± 0.0022 µg/mL
Nickel, Ni	0.4006 ± 0.0022 µg/mL	Potassium, K	20.00 ± 0.10 µg/mL
Selenium, Se	0.2502 ± 0.0019 µg/mL	Silver, Ag	0.2001 ± 0.0015 µg/mL
Sodium, Na	20.00 ± 0.10 µg/mL	Strontium, Sr	0.4008 ± 0.0022 µg/mL
Thallium, Tl	0.0801 ± 0.0006 µg/mL	Tin, Sn	1.601 ± 0.011 µg/mL
Titanium, Ti	0.4005 ± 0.0027 µg/mL	Vanadium, V	0.4003 ± 0.0024 µg/mL
Zinc, Zn	1.601 ± 0.009 µg/mL		

Density: 1.008 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Al	Calculated		See Sec. 4.2
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Ca	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Calculated		See Sec. 4.2
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mg	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Sb	ICP Assay	3102a	140911
Sb	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Sn	ICP Assay	3161a	140917

Sn	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Ti	ICP Assay	3162a	130925
Ti	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
V	Calculated		See Sec. 4.2
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928
Zn	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = \{\Sigma((w_i)^2\,(u_{char\ i})^2)\}^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; Inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

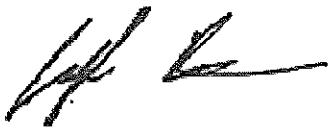
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

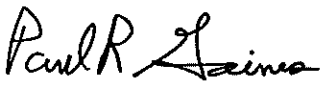
Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Reagent

ME_Ag-1st_00005

Rec'd 10-10-23 DE

Agilent

11213192
ID: ME_Ag-1st_00005
Exp:05/31/24 Prpd: Opn:10/10/23
1,000 ppm Silver

CERTIFICATE OF ANALYSIS

Agilent Product Name: Silver Standard: 1000 µg/mL Ag in 5% HNO_3

Agilent Part No: 5190-8523

Lot No: 0121197645

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Ag	Ag	7440-22-4	5% HNO_3	1006 ± 2 µg/mL (w/v)
				999.0 ± 2.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.999% pure silver (Ag) dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3151, lot #160729. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

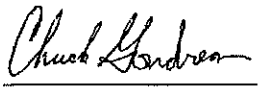
Ag	MAJOR	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	0.6	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	0.6	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:



Chuck Goudreau, Certifying Officer

Date of release: 7 November 2022
Date of expiration: 31 May 2024

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

ME_Ag-2nd_00006

rec'd
9/15/23
SD

CPI INTERNATIONAL

CERTIFICATE OF AN

Single-Element Aqueous CRM

SE Std Silver (Ag) – 1000 µg/mL

Matrix: 2% HNO_3

Element	Certified Concentration
Ag	1001 ± 5 µg/mL
	991.1 ± 5.0 µg/g

Intended Use: This solution is intended for use as a second source certified reference ma plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass sp spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was gravimetric methods using high purity silver nitrate dissolved in high purity nitric acid (HNO water. The balances used in the preparation of this CRM are calibrated regularly with trace to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions ar concentration and uncertainty were determined using the "High Performance ICP-OE concentration and uncertainty values are traceable to **NIST SRM 3151**. The uncertainty expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this prod

Trace Concentrations (µg/L)

Ag	MAJOR	Co	<0.001	Ge	<0.001	Mg	<0.001	Pd	
Al	0.006	Cr	<0.001	Hf	<0.001	Mn	<0.001	Pr	
As	<0.001	Cs	<0.001	Hg	<0.001	Mo	<0.001	Pt	
Au	<0.001	Cu	<0.001	Ho	<0.001	Na	0.02	Rb	
B	0.001	Dy	<0.001	In	<0.001	Nb	<0.001	Re	
Ba	<0.001	Er	<0.001	Ir	<0.001	Nd	<0.001	Rh	
Bi	<0.001	Eu	<0.001	K	<0.1	Ni	<0.001	Ru	
Ca	0.006	Fe	<0.002	La	<0.001	Os	Nd	Sb	
Cd	<0.001	Ga	<0.001	Li	<0.001	P	<0.1	Sc	
Ce	<0.001	Gd	<0.001	Lu	<0.001	Pb	<0.001	Se	

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers original container, (3) never pour used product back into the original container, (4) make volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) di chemically suitable matrix. The solution should be kept tightly capped and stored under norm the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 month** instructions for use are followed. During the period of validity, the purchaser will be notified i the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

September 12, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementat

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901
www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

ME_Ba_00014

CPI INTERNATIONAL

10577045
ID: ME_Ba_00014
Exp: 08/22/24 Prpd: LBD
Barium 10000ppb

rec'd 2/23/23 LD

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: S4400-10M41

Barium (Ba) – 10,000 µg/mL

Lot #: 1282477-2

Matrix: 4% HNO_3

Element	Certified Concentration & Uncertainty
Ba	10,020 ± 39 µg/mL (w/v)
	9776 ± 38 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10,000 µg/mL by gravimetric methods using 99.999% pure barium nitrate [$Ba(NO_3)_2$]. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3104a, lot #140909**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	6	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	27	V	<10
Ba	MAJOR	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	113	Y	17
Ca	<250	Fe	<100	La	32	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

February 22, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

www.cpiinternational.com

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

me_Cr_00019

Rec'd 9-20-23 DF

Agilent

11151927

ID: me_Cr_00019

Exp:02/28/25 Prpd: Opn:09/20/23

Chromium

CERTIFICATE OF ANALYSIS

Agilent Product Name: Chromium Standard: 10000 µg/mL Cr in 5% HNO_3

Agilent Part No: 5190-8374

Lot No: 0013615477

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Cr	$Cr(NO_3)_3$	13548-38-4	5% HNO_3	9998 ± 42 µg/mL (w/v)
				9187 ± 38 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.996% pure chromium nitrate [$Cr(NO_3)_3$] dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3112a, lot #170630. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	556	Ge	<5	Lu	<2	P	<1000	Sb	11	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	MAJOR	Hg	<5	Mn	12	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	8	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	15
Ba	<10	Er	<2	Ir	<2	Nb	6	Rb	<5	Sn	<5	W	9
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	38
Ca	<250	Fe	1112	La	<5	Ni	301	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	115	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:

Date of release: 2 August 2023
Date of expiration: 28 February 2025

Chuck Goudreau, Certifying Officer

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

ME_ipmsSPK_00052



Preparation Information:

This Certified Reference Material (CRM) is generally prepared from single element standard solutions that are ISO 17034 certified reference materials and manufactured under appropriate laboratory conditions using the methods developed at NIST for SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. Stability of this product is based upon rigorous short-term and long-term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product. If, during the period of validity, a recall is instituted due to substantial changes in the stability of this product, the purchaser will be notified.

Homogeneity:

This product is determined to be homogeneous following in-house procedures developed in accordance with the requirements of ISO 17034 and ISO Guide 35.

Intended Use:

This product is intended for use as a calibration standard, quality control standard, and/or for the validation of analytical methods. The standard is confirmed homogeneous; therefore, the minimum sample size should be consistent with the end user's measurement capabilities.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

1. **Standard Weight and Analytical Balance**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in 'NIST Weights and Measures Measurement Assurance Program' with a certificate of measurement traceability to NIST primary standards. The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
2. **Volumetric Device**
   The calibrations of volumetric vessels are verified using the ASTM method E542.
3. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
4. **Calibration Standards**
   The Calibration Standard is traceable to SRM 3100 Series Spectrometric Standard Solutions. If an SRM is not available, a second source standard or independent lot is used.

Refer to Safety Datasheet (SDS) for hazardous information.

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High-Purity Standards.

Reagent

ME_LCSS_123_00003

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

rec'd 4/11/24 LD

11658016
ID: ME_LCSS_123_00003
Exp 06/01/27 Prpd
Soil LCSS source

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

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▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The PT **Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

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ERA

A Waters Company

Instructions for Catalog # 540
Metals in Soil

Revision 111122

Description:

- This standard is packaged in a 2-ounce glass jar containing approximately 30 grams of soil.
- This standard is not preserved.
- The standard can be stored at room temperature.
- This product is intended to be used as a quality control check of the entire analytical process for the analytes/matrix included in the standard.
- ERA suggests that when subsampling this product prior to analysis you use a minimum sample size of at least 0.2 g. Using a smaller sample size may invalidate the assigned value and/or uncertainty shown on the certificate of analysis.
- Repeated sampling of this product is permitted, provided minimum sample sizes and storage instructions are adhered to.
- The certified values apply to the sample after following the stated instructions.

Helpful Hints:

- The Mercury in this standard should be determined using the digestion and analytical procedures in the current version of EPA method 7471, or equivalent.
- The other metals in this standard should be determined using EPA digestion methods 3050 or 3051 followed by your normal analysis procedures. Digesting the sample using another method may yield significantly different results.
- This standard should not be analyzed for Hexavalent Chromium. A separate standard, ERA catalog number 921, is available for Hexavalent Chromium.
- Although all ERA soil standards have been thoroughly blended prior to shipping, the standards should be homogenized prior to taking an aliquot for analysis due to settling which may occur during shipping.
- High recoveries of the metals native to the soil matrix (e.g. aluminum, calcium, iron, magnesium, potassium and titanium) indicate a digestion procedure which may be too vigorous. In general, it should be noted that the methods used to digest metals in soil samples are not extremely rugged and close attention should be paid to the procedure to ensure analyte recoveries which are consistent and within the PALs™.

Instructions:

1. Open the Metals in Soil standard in a fume hood to avoid inhalation of dust.
2. Mix the sample well prior to removing aliquots for analysis.
3. Digest and analyze the standard using your normal procedures.
4. Determine the percent moisture of an aliquot of the Metals in Soil standard.
5. Adjust your results as mg/kg on a dry weight basis.

Safety:

ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Safety Data Sheets (SDS) for all ERA products are available through our website www.eraqc.com.

Reagent

me_MS-ICSA_00012

CPI INTERNATIONAL

Recd 8-29-23 DE

11094917
ID: me_MS-ICSA_00012
Exp:11/02/24 Prpd: Opn:08/29/23
ICP-MS STOCK STD

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICPMS-ICSA

ICPMS ICSA Mix

Lot #: 1332492-1

Matrix: 2% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	1000 ± 5 mg/L	Fe	1000 ± 5 mg/L	Na	1000 ± 5 mg/L
C	2000 ± 10 mg/L	K	1000 ± 5 mg/L	P	1000 ± 5 mg/L
Ca	999.9 ± 5.0 mg/L	Mg	1000 ± 5 mg/L	S	1000 ± 5 mg/L
Cl	10,000 ± 50 mg/L	Mo	20.02 ± 0.10 mg/L	Ti	20.05 ± 0.10 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Al	1249289	Fe	1249266	Na	1245609
C	T18I013	K	1287603	P	1225600
Ca	1232112	Mg	1222806	S	1207779
Cl	221613	Mo	1207790	Ti	1094307

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	MAJOR	Sb	3	Te	<1
Al	MAJOR	Cs	<0.5	Hf	<0.2	Mg	MAJOR	Pb	<1	Sc	<5	Ti	MAJOR
As	<2	Cr	75	Hg	<0.5	Mn	3	Pd	<0.5	Se	10	Tl	<0.5
Au	1	Cu	2	Ho	<0.2	Mo	MAJOR	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	MAJOR	Pt	<0.5	Sm	<0.2	V	<1
Ba	6	Er	<0.2	Ir	0.4	Nb	<0.5	Rb	7	Sn	5	W	1
Bi	2	Eu	<0.2	K	MAJOR	Nd	<0.2	Re	<0.2	Sr	6	Y	<0.5
Ca	MAJOR	Fe	MAJOR	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	4	Ga	28	Li	3	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	8
Ce	<0.2	Gd	<0.2										

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

May 2, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

ME_Pb_00015

Agilent

rec'd 2/20/24
LD

CERTIFICATE OF ANALYSIS

11531751
ID: ME_Pb_00015
Exp 04/30/25 Prpd
Lead 10,000 mg/L

Agilent Product Name: Lead Standard: 10000 µg/mL Pb in 5% HNO_3

Agilent Part No: 5190-8406

Lot No: 0013824586

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Pb	Pb	7439-92-1	5% HNO_3	9944 ± 61 µg/mL (w/v)
				9711 ± 59 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.999% pure lead (Pb) dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3128, lot #101026. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

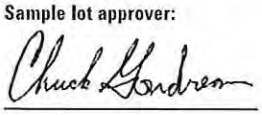
Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	MAJOR	Sc	<50	Ti	<20
As	<20	Cr	<5	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	33
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	<10
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	10	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	<100	La	<5	Ni	<20	Rh	<50	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:



Chuck Goudreau, Certifying Officer

Date of release: 10 October 2023
Date of expiration: 30 April 2025

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

ME_Zn-2nd_00004

Agilent

rec'd 2-10-23 OE

10548100
ID: ME_Zn-2nd_00004
Exp:06/30/29 Prpd:DLE Opn:02/10/23
1000 ppm Zinc stock std

Certificate of Analysis

Product Number: ICP-030
Lot Number: 0006681564

Lot Issue Date: 09-May 2022
Expiration Date: 30-Jun 2029

Product Name: Zinc ICP Standard

Description:
This Reference Material (RM) was gravimetrically prepared in accordance with ISO 17034 and under Agilent's ISO 9001 registered quality system. The neat materials used for this product have been verified by Agilent's ISO 17025 laboratory and under Agilent's ISO 17034 accreditation. The analyte concentrations were verified by Agilent's ISO 17025 accredited laboratory. For each analyte, the true value, with its uncertainty value calculated at the 95% confidence level, is reported below.

Analyte	Starting Material	Lot Number	Purity (%)	Analyte Concentration	Traceability & Method
Zinc	zinc nitrate hexahydrate	RM12069	99.9995	1002 ± 2 µg/mL	NIST SRM 3168a; ICP-OES

Solvent: 2% nitric acid in low TOC water (< 50 ppb)

Non-Certified Values:

Density: 1.0112 g/mL @ 20.00 ± 0.05°C

Trace Metallic Impurities in Solution Standard in µg/mL

*___	Al	<0.005 ND	*___	Ga	<0.005 ND	n___	Nb		n___	S	
*___	Sb	<0.005 ND	n___	Ge		n___	Os		n___	Ta	
*___	As	<0.005 ND	n___	Au		*___	Pd	<0.005 ND	n___	Te	
*___	Ba	<0.005 ND	n___	Hf		*___	P	<0.005 ND	n___	Tb	
*___	Be	<0.005 ND	n___	Ho		*___	Pt	<0.005 ND	*___	Tl	<0.005 ND
*___	Bi	<0.005 ND	*___	In	<0.005 ND	*__	K	<0.005 ND	n___	Th	
*___	B	<0.005 ND	n___	Ir		n___	Pr		n___	Tm	
*___	Cd	<0.005 ND	*___	Fe	<0.005 ND	n___	Re		*___	Sn	<0.005 ND
n___	Cs		*___	La	<0.005 ND	n___	Rh		*___	Ti	<0.005 ND
*___	Ca	<0.005 ND	*___	Pb	<0.005 ND	n___	Rb		n___	W	
n___	Ce		*___	Li	<0.005 ND	n___	Ru		n___	U	
*___	Cr	<0.005 ND	n___	Lu		n___	Sm		*___	V	<0.005 ND
*___	Co	<0.005 ND	*___	Mg	<0.005 ND	n___	Sc		n___	Yb	
*___	Cu	<0.005 ND	*___	Mn	<0.005 ND	*___	Se	<0.005 ND	n___	Y	
n___	Dy		*___	Hg	<0.005 ND	*___	Si	<0.005 ND	s___	Zn	
*___	Er	<0.005 ND	*___	Mo	<0.005 ND	*___	Ag	<0.005 ND	n___	Zr	
*___	Eu	<0.005 ND	n___	Nd		*___	Na	<0.005 ND			
*___	Gd	<0.005 ND	*___	Ni	<0.005 ND	*___	Sr	<0.005 ND			

* - element checked; i - spectral interference; n – element not checked; D – element detected; ND – element not detected; s - standard element

Storage: Store at Room Temperature (15° to 30°C).

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

Produced in accordance with TUV SUD 951215321 registered ISO 9001 Quality Management System

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Agilent

Certificate of Analysis

Product Number: ICP-030
Lot Number: 0006681564

Lot Issue Date: 09-May 2022
Expiration Date: 30-Jun 2029

Traceability:
Traceability has been established through an unbroken chain of comparisons, each having stated uncertainties. Comparisons are based on appropriate physical or chemical measurements, including gravimetric or volumetric dilution, where the mass or volume of a solution before and after dilution is measured. The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 819.

Estimation of Uncertainties:
The true value is reported, with its uncertainty value calculated at the 95% confidence level.

Homogeneity:
This RM was formulated and unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening and should be processed without delay for the true value to be valid within the stated uncertainties. Do not pipet from the bottle. Do not return any material removed for pipetting to the bottle. Tightly cap the bottle after removing any material and store according to the instructions noted above.

Hazards:
Refer to the Safety Data Sheet for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid, within the measurement uncertainty specified, until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
The real-time, long term stability of the RM may be monitored over the lifetime of the certification. If substantive changes occur that affect the certification before the expiration of this certificate, Agilent Technologies will notify the purchaser.

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

Produced in accordance with TUV SUD 951215321
registered ISO 9001 Quality Management System

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

Reagent

ME_Zn_00017

Agilent

CERTIFICATE OF ANALYSIS

Agilent Product Name: Zinc Standard: 10000 µg/mL Zn in 5% HNO_3

Agilent Part No: 5190-8234

Lot No: 1410237

rec'd 2/20/24 LD

11531865

ID: ME_Zn_00017

Exp 11/14/26 Prpd

Zinc

Product Specifications

Analyte	Matrix	Certified Concentration
Zn	5% HNO_3	10,093 ± 110 µg/mL (w/v)
		9779 ± 106 µg/g (w/w)

Storage Conditions: Store at Room Temperature (15°C to 30°C)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using an appropriate concentrate dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3168a, lot #120629. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	<5	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	<10
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	<100	La	<5	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	MAJOR
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Date of Release:
30 November 2023

Date of Expiration:
Earlier of 14 November 2026 or 12 Months from Date opened.

Date Opened: _____

Sample lot approver:

Chuck Goudreau, Certifying Officer

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

Mega Mix SS_00020

R2396

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.SEC **Lot No.:** A0195252

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7.SEC	F23X068	99%	2,516.7 µg/mL	+/- 86.9644
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	2,520.0 µg/mL	+/- 87.0795
3	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	2,525.0 µg/mL	+/- 87.2523
4	tert-Butanol (TBA)	75-65-0.SEC	DI34O	99%	25,129.5 µg/mL	+/- 868.3580
5	Methyl acetate	79-20-9.SEC	UCNEL	99%	5,029.0 µg/mL	+/- 173.7790
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	2,521.7 µg/mL	+/- 87.1371
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	2,518.2 µg/mL	+/- 87.0162
8	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	2,516.7 µg/mL	+/- 86.9644
9	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	2,511.7 µg/mL	+/- 86.7916
10	Acrylonitrile	107-13-1.SEC	V54AD	99%	25,200.3 µg/mL	+/- 870.8057
11	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	CDCQG	99%	2,517.3 µg/mL	+/- 86.9874
12	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	2,515.3 µg/mL	+/- 86.9183
13	n-Hexane (C6)	110-54-3.SEC	10188491	99%	2,514.7 µg/mL	+/- 86.8953
14	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	2,512.6 µg/mL	+/- 86.8223
15	2,2-Dichloropropane	594-20-7.SEC	GI01	99%	2,521.5 µg/mL	+/- 87.1314
16	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	2,525.0 µg/mL	+/- 87.2523

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC PH2XK	99%	62,830.8	µg/mL	+/- 2,171.1398
18	Chloroform	67-66-3.SEC 1297547	99%	2,511.7	µg/mL	+/- 86.7916
19	Bromochloromethane	74-97-5 * 230206JLM	99%	2,515.7	µg/mL	+/- 86.9298
20	Tetrahydrofuran	109-99-9.SEC 3NYHE	99%	5,018.5	µg/mL	+/- 173.4162
21	1,1,1-Trichloroethane	71-55-6.SEC 13891800	99%	2,506.5	µg/mL	+/- 86.6130
22	Cyclohexane	110-82-7.SEC YADRA	99%	2,523.3	µg/mL	+/- 87.1947
23	1,1-Dichloropropene	563-58-6.SEC 556500	99%	2,520.5	µg/mL	+/- 87.0968
24	Carbon tetrachloride	56-23-5.SEC 11466	99%	2,520.5	µg/mL	+/- 87.0968
25	n-Heptane (C7)	142-82-5.SEC TFHUC	99%	2,516.5	µg/mL	+/- 86.9586
26	1,2-Dichloroethane	107-06-2.SEC 00016165	99%	2,519.8	µg/mL	+/- 87.0738
27	Benzene	71-43-2.SEC 101960P29K	99%	2,518.8	µg/mL	+/- 87.0392
28	Trichloroethene	79-01-6.SEC H04X050	99%	2,524.3	µg/mL	+/- 87.2293
29	Methylcyclohexane	108-87-2.SEC Q02QG	99%	2,515.8	µg/mL	+/- 86.9356
30	1,2-Dichloropropane	78-87-5.SEC ERRBI-RH	99%	2,516.8	µg/mL	+/- 86.9701
31	1,4-Dioxane	123-91-1.SEC QHRWO	99%	50,137.2	µg/mL	+/- 1,732.5061
32	Dibromomethane	74-95-3.SEC MOKKJ	99%	2,516.3	µg/mL	+/- 86.9528
33	cis-1,3-Dichloropropene	10061-01-5.SEC ZLXJ-TJ	99%	2,502.8	µg/mL	+/- 86.4863
34	Toluene	108-88-3.SEC YND2B-BD	99%	2,522.2	µg/mL	+/- 87.1544
35	Ethyl methacrylate	97-63-2.SEC AQSPO	99%	2,510.8	µg/mL	+/- 86.7628
36	trans-1,3-Dichloropropene	10061-02-6.SEC DMSL	98%	2,517.1	µg/mL	+/- 86.9804
37	1,1,2-Trichloroethane	79-00-5.SEC 9245400	99%	2,512.2	µg/mL	+/- 86.8089
38	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	2,519.3	µg/mL	+/- 87.0565
39	Tetrachloroethene	127-18-4.SEC F09W014	99%	2,521.3	µg/mL	+/- 87.1256
40	Dibromochloromethane	124-48-1.SEC 10234064	99%	2,517.5	µg/mL	+/- 86.9932
41	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	2,518.3	µg/mL	+/- 87.0220
42	Chlorobenzene	108-90-7.SEC 1161936	99%	2,515.8	µg/mL	+/- 86.9356
43	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,255.3	µg/mL	+/- 43.3814
44	p-Xylene	106-42-3.SEC D6UOA	99%	1,260.3	µg/mL	+/- 43.5541
45	Ethylbenzene	100-41-4.SEC PI4SE	99%	2,517.7	µg/mL	+/- 86.9989
46	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	2,517.5	µg/mL	+/- 86.9932
47	o-Xylene	95-47-6.SEC UJ6RI	99%	2,515.8	µg/mL	+/- 86.9356
48	Styrene	100-42-5.SEC QGQ7F	99%	2,521.3	µg/mL	+/- 87.1256
49	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	2,515.0	µg/mL	+/- 86.9068
50	Bromoform	75-25-2.SEC 13723500	99%	2,522.5	µg/mL	+/- 87.1659
51	Bromodichloromethane	75-27-4.SEC 28128	99%	2,524.2	µg/mL	+/- 87.2235
52	1,1,2,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	2,523.7	µg/mL	+/- 87.2063

53	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	2,522.2 µg/mL	+/- 87.1544
54	trans-1,4-Dichloro-2-butene	110-57-6.SEC RD230316RSR	96%	2,517.0 µg/mL	+/- 86.9745
55	n-Propylbenzene	103-65-1.SEC XCGEC	99%	2,518.8 µg/mL	+/- 87.0392
56	Bromobenzene	108-86-1.SEC 2FUHG-EM	99%	2,518.3 µg/mL	+/- 87.0220
57	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	2,514.3 µg/mL	+/- 86.8837
58	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	2,515.7 µg/mL	+/- 86.9298
59	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	2,518.8 µg/mL	+/- 87.0392
60	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	2,522.0 µg/mL	+/- 87.1487
61	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	2,517.3 µg/mL	+/- 86.9874
62	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	2,522.0 µg/mL	+/- 87.1487
63	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	2,518.1 µg/mL	+/- 87.0142
64	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	2,515.0 µg/mL	+/- 86.9068
65	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	2,522.5 µg/mL	+/- 87.1659
66	n-Butylbenzene	104-51-8.SEC MMPGA	99%	2,523.7 µg/mL	+/- 87.2063
67	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	2,512.0 µg/mL	+/- 86.8031
68	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	2,517.7 µg/mL	+/- 86.9989
69	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	2,515.7 µg/mL	+/- 86.9298
70	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	2,520.4 µg/mL	+/- 87.0928
71	Naphthalene	91-20-3.SEC AM5NG	99%	2,520.0 µg/mL	+/- 87.0795
72	1,2,3-Trichlorobenzene	87-61-6.SEC A0043055	99%	2,517.8 µg/mL	+/- 87.0047

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

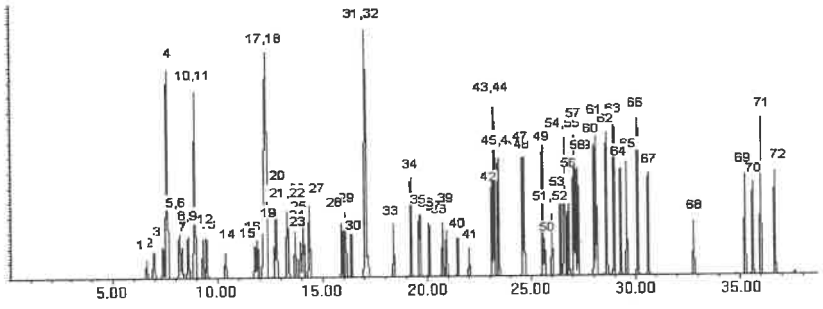
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
20.0 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 28-Feb-2023 **Balance Serial #** 1127510105

Christie Mills - Operations Tech II - ARM QC

Date Passed: 22-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

Mega Mix_00038

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2465
1/25/2024 MS # 11479994

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0203458

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7	SHBQ1495	99%	2,515.0 µg/mL	+/- 86.9068
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00016133	99%	2,518.8 µg/mL	+/- 87.0364
3	1,1-dichloroethene	75-35-4	SHBG8609V	99%	2,516.3 µg/mL	+/- 86.9500
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,095.0 µg/mL	+/- 867.1659
5	Methyl acetate	79-20-9	SHBP3100	99%	5,016.4 µg/mL	+/- 173.3427
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	2,517.4 µg/mL	+/- 86.9888
7	Allyl chloride (3-chloropropene)	107-05-1	RD230914ECS	99%	2,515.9 µg/mL	+/- 86.9370
8	Methylene chloride (dichloromethane)	75-09-2	SHBQ6376	99%	2,513.8 µg/mL	+/- 86.8636
9	Carbon disulfide	75-15-0	Q30J743	99%	2,512.9 µg/mL	+/- 86.8333
10	Acrylonitrile	107-13-1	102466R02E	99%	25,031.9 µg/mL	+/- 864.9846
11	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	2,513.8 µg/mL	+/- 86.8636
12	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	2,514.0 µg/mL	+/- 86.8722
13	n-Hexane (C6)	110-54-3	STBG6381	99%	2,520.3 µg/mL	+/- 87.0882
14	1,1-Dichloroethane	75-34-3	852900	99%	2,514.0 µg/mL	+/- 86.8722
15	2,2-Dichloropropane	594-20-7	RD230426	99%	2,521.3 µg/mL	+/- 87.1227
16	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	2,514.9 µg/mL	+/- 86.9025

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Pag

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,561.0	µg/mL	+/- 2,161.8157
18	chloroform	67-66-3	SHBN8469	99%	2,513.6	µg/mL	+/- 86.8593
19	Bromochloromethane	74-97-5	230810JLM	99%	2,513.5	µg/mL	+/- 86.8549
20	Tetrahydrofuran	109-99-9	SHBQ8516	99%	5,020.9	µg/mL	+/- 173.4982
21	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	2,513.5	µg/mL	+/- 86.8549
22	Cyclohexane	110-82-7	MKCQ2001	99%	2,513.5	µg/mL	+/- 86.8549
23	1,1-Dichloropropene	563-58-6	230825JLM	99%	2,514.3	µg/mL	+/- 86.8809
24	carbon tetrachloride	56-23-5	SHBP4875	99%	2,513.0	µg/mL	+/- 86.8377
25	n-Heptane (C7)	142-82-5	044743T01D	99%	2,515.4	µg/mL	+/- 86.9197
26	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	2,513.5	µg/mL	+/- 86.8549
27	Benzene	71-43-2	MKCS3357	99%	2,513.4	µg/mL	+/- 86.8506
28	Trichloroethene	79-01-6	SHBN3720	99%	2,513.6	µg/mL	+/- 86.8593
29	Methylcyclohexane	108-87-2	SHBN1699	99%	2,514.8	µg/mL	+/- 86.8981
30	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	2,514.9	µg/mL	+/- 86.9025
31	1,4-Dioxane	123-91-1	SHBQ2407	99%	50,131.4	µg/mL	+/- 1,732.3059
32	Dibromomethane	74-95-3	10233302	99%	2,514.6	µg/mL	+/- 86.8938
33	cis-1,3-Dichloropropene	10061-01-5	RD230406RSR	99%	2,513.5	µg/mL	+/- 86.8549
34	Toluene	108-88-3	MKCS9989	99%	2,512.9	µg/mL	+/- 86.8333
35	Ethyl methacrylate	97-63-2	MKCN6206	97%	2,508.3	µg/mL	+/- 86.6752
36	trans-1,3-Dichloropropene	10061-02-6	RD220816	99%	2,512.9	µg/mL	+/- 86.8333
37	1,1,2-Trichloroethane	79-00-5	FGB01	99%	2,513.5	µg/mL	+/- 86.8549
38	1,3-Dichloropropane	142-28-9	BCCH5357	99%	2,514.1	µg/mL	+/- 86.8765
39	Tetrachloroethene	127-18-4	SHBQ0051	99%	2,514.0	µg/mL	+/- 86.8722
40	dibromochloromethane	124-48-1	MKCQ4517	99%	2,512.9	µg/mL	+/- 86.8333
41	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	2,515.0	µg/mL	+/- 86.9068
42	Chlorobenzene	108-90-7	SHBN6640	99%	2,515.0	µg/mL	+/- 86.9068
43	m-Xylene	108-38-3	SHBN6673	99%	1,254.8	µg/mL	+/- 43.3584
44	p-Xylene	106-42-3	SHBP5191	99%	1,257.0	µg/mL	+/- 43.4361
45	Ethylbenzene	100-41-4	094632L21G	99%	2,514.1	µg/mL	+/- 86.8765
46	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	2,514.9	µg/mL	+/- 86.9025
47	o-Xylene	95-47-6	50069309	99%	2,514.0	µg/mL	+/- 86.8722
48	Styrene	100-42-5	MKCQ3390	99%	2,514.0	µg/mL	+/- 86.8722
49	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	2,514.1	µg/mL	+/- 86.8765
50	bromoform	75-25-2	050494L04R	99%	2,515.3	µg/mL	+/- 86.9154
51	bromodichloromethane	75-27-4	MKCF8470	99%	2,512.5	µg/mL	+/- 86.8204
52	1,1,2,2-Tetrachloroethane	79-34-5	QQJ41	99%	2,515.3	µg/mL	+/- 86.9154

53	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	2,513.5	µg/mL	+/- 86.8534
54	trans-1,4-dichloro-2-hutene	110-57-6	RD230720RSR	94%	2,504.7	µg/mL	+/- 86.5525
55	n-Propylbenzene	103-65-1	G08M	98%	2,511.4	µg/mL	+/- 86.7814
56	Bromobenzene	108-86-1	MKCQ7174	99%	2,514.8	µg/mL	+/- 86.8981
57	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	2,513.8	µg/mL	+/- 86.8636
58	2-Chlorotoluene	95-49-8	235783M23T	99%	2,514.8	µg/mL	+/- 86.8981
59	4-Chlorotoluene	106-43-4	BCCG9286	99%	2,514.9	µg/mL	+/- 86.9025
60	tert-Butylbenzene	98-06-6	STBJ1937	99%	2,514.0	µg/mL	+/- 86.8722
61	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	2,515.9	µg/mL	+/- 86.9370
62	sec-Butylbenzene	135-98-8	MKCP2266	99%	2,515.3	µg/mL	+/- 86.9154
63	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	2,514.9	µg/mL	+/- 86.9025
64	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,515.3	µg/mL	+/- 86.9154
65	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,514.9	µg/mL	+/- 86.9025
66	n-Butylbenzene	104-51-8	09418JJ	99%	2,514.5	µg/mL	+/- 86.8895
67	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	2,514.3	µg/mL	+/- 86.8809
68	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	2,510.4	µg/mL	+/- 86.7464
69	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	2,514.9	µg/mL	+/- 86.9025
70	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	2,510.0	µg/mL	+/- 86.7349
71	Naphthalene	91-20-3	STBL1057	99%	2,514.3	µg/mL	+/- 86.8809
72	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	2,514.1	µg/mL	+/- 86.8765

* Expanded Uncertainty displayed in same units as Grav. Conc

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

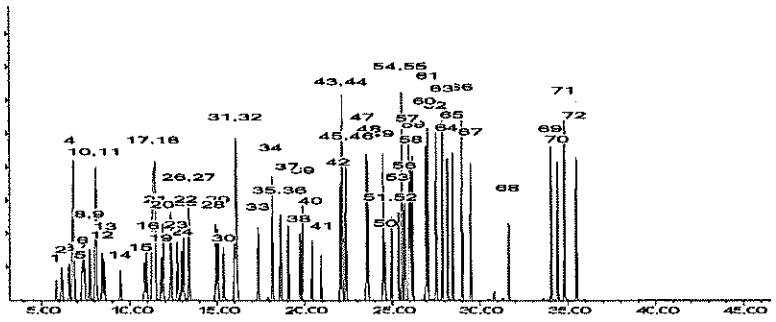
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
20.0 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 22-Oct-2023 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 08-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

Mega Mix_00039

R2490

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0203458

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7	SHBQ1495	99%	2,515.0 µg/mL	+/- 86.9068
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00016133	99%	2,518.8 µg/mL	+/- 87.0364
3	1,1-dichloroethene	75-35-4	SHBG8609V	99%	2,516.3 µg/mL	+/- 86.9500
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,095.0 µg/mL	+/- 867.1659
5	Methyl acetate	79-20-9	SHBP3100	99%	5,016.4 µg/mL	+/- 173.3427
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	2,517.4 µg/mL	+/- 86.9888
7	Allyl chloride (3-chloropropene)	107-05-1	RD230914ECS	99%	2,515.9 µg/mL	+/- 86.9370
8	Methylene chloride (dichloromethane)	75-09-2	SHBQ6376	99%	2,513.8 µg/mL	+/- 86.8636
9	Carbon disulfide	75-15-0	Q30J743	99%	2,512.9 µg/mL	+/- 86.8333
10	Acrylonitrile	107-13-1	102466R02E	99%	25,031.9 µg/mL	+/- 864.9846
11	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	2,513.8 µg/mL	+/- 86.8636
12	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	2,514.0 µg/mL	+/- 86.8722
13	n-Hexane (C6)	110-54-3	STBG6381	99%	2,520.3 µg/mL	+/- 87.0882
14	1,1-Dichloroethane	75-34-3	852900	99%	2,514.0 µg/mL	+/- 86.8722
15	2,2-Dichloropropane	594-20-7	RD230426	99%	2,521.3 µg/mL	+/- 87.1227
16	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	2,514.9 µg/mL	+/- 86.9025

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,561.0	µg/mL	+/- 2,161.8157
18	chloroform	67-66-3	SHBN8469	99%	2,513.6	µg/mL	+/- 86.8593
19	Bromochloromethane	74-97-5	230810JLM	99%	2,513.5	µg/mL	+/- 86.8549
20	Tetrahydrofuran	109-99-9	SHBQ8516	99%	5,020.9	µg/mL	+/- 173.4982
21	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	2,513.5	µg/mL	+/- 86.8549
22	Cyclohexane	110-82-7	MKCQ2001	99%	2,513.5	µg/mL	+/- 86.8549
23	1,1-Dichloropropene	563-58-6	230825JLM	99%	2,514.3	µg/mL	+/- 86.8809
24	carbon tetrachloride	56-23-5	SHBP4875	99%	2,513.0	µg/mL	+/- 86.8377
25	n-Heptane (C7)	142-82-5	044743T01D	99%	2,515.4	µg/mL	+/- 86.9197
26	1,2-Dichloroetbane	107-06-2	SHBQ0693	99%	2,513.5	µg/mL	+/- 86.8549
27	Benzene	71-43-2	MKCS3357	99%	2,513.4	µg/mL	+/- 86.8506
28	Trichloroethene	79-01-6	SHBN3720	99%	2,513.6	µg/mL	+/- 86.8593
29	Methylcyclohexane	108-87-2	SHBN1699	99%	2,514.8	µg/mL	+/- 86.8981
30	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	2,514.9	µg/mL	+/- 86.9025
31	1,4-Dioxane	123-91-1	SHBQ2407	99%	50,131.4	µg/mL	+/- 1,732.3059
32	Dibromomethane	74-95-3	10233302	99%	2,514.6	µg/mL	+/- 86.8938
33	cis-1,3-Dichloropropene	10061-01-5	RD230406RSR	99%	2,513.5	µg/mL	+/- 86.8549
34	Toluene	108-88-3	MKCS9989	99%	2,512.9	µg/mL	+/- 86.8333
35	Ethyl methacrylate	97-63-2	MKCN6206	97%	2,508.3	µg/mL	+/- 86.6752
36	trans-1,3-Dichloropropene	10061-02-6	RD220816	99%	2,512.9	µg/mL	+/- 86.8333
37	1,1,2-Trichloroethane	79-00-5	FGB01	99%	2,513.5	µg/mL	+/- 86.8549
38	1,3-Dichloropropane	142-28-9	BCCH5357	99%	2,514.1	µg/mL	+/- 86.8765
39	Tetrachloroethene	127-18-4	SHBQ0051	99%	2,514.0	µg/mL	+/- 86.8722
40	dibromochloromethane	124-48-1	MKCQ4517	99%	2,512.9	µg/mL	+/- 86.8333
41	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	2,515.0	µg/mL	+/- 86.9068
42	Chlorobenzene	108-90-7	SHBN6640	99%	2,515.0	µg/mL	+/- 86.9068
43	m-Xylene	108-38-3	SHBN6673	99%	1,254.8	µg/mL	+/- 43.3584
44	p-Xylene	106-42-3	SHBP5191	99%	1,257.0	µg/mL	+/- 43.4361
45	Ethylbenzene	100-41-4	094632L21G	99%	2,514.1	µg/mL	+/- 86.8765
46	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	2,514.9	µg/mL	+/- 86.9025
47	o-Xylene	95-47-6	50069309	99%	2,514.0	µg/mL	+/- 86.8722
48	Styrene	100-42-5	MKCQ3390	99%	2,514.0	µg/mL	+/- 86.8722
49	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	2,514.1	µg/mL	+/- 86.8765
50	bromoform	75-25-2	050494L04R	99%	2,515.3	µg/mL	+/- 86.9154
51	bromodichloromethane	75-27-4	MKCF8470	99%	2,512.5	µg/mL	+/- 86.8204
52	1,1,2,2-Tetrachloroethane	79-34-5	QQJ41	99%	2,515.3	µg/mL	+/- 86.9154

53	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	2,513.5	µg/mL	+/- 86.8534
54	trans-1,4-dichloro-2-butene	110-57-6	RD230720RSR	94%	2,504.7	µg/mL	+/- 86.5525
55	n-Propylbenzene	103-65-1	G08M	98%	2,511.4	µg/mL	+/- 86.7814
56	Bromobenzene	108-86-1	MKCQ7174	99%	2,514.8	µg/mL	+/- 86.8981
57	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	2,513.8	µg/mL	+/- 86.8636
58	2-Chlorotoluene	95-49-8	235783M23T	99%	2,514.8	µg/mL	+/- 86.8981
59	4-Chlorotoluene	106-43-4	BCCG9286	99%	2,514.9	µg/mL	+/- 86.9025
60	tert-Butylbenzene	98-06-6	STBJ1937	99%	2,514.0	µg/mL	+/- 86.8722
61	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	2,515.9	µg/mL	+/- 86.9370
62	sec-Butylbenzene	135-98-8	MKCP2266	99%	2,515.3	µg/mL	+/- 86.9154
63	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	2,514.9	µg/mL	+/- 86.9025
64	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,515.3	µg/mL	+/- 86.9154
65	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,514.9	µg/mL	+/- 86.9025
66	n-Butylbenzene	104-51-8	09418JJ	99%	2,514.5	µg/mL	+/- 86.8895
67	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	2,514.3	µg/mL	+/- 86.8809
68	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	2,510.4	µg/mL	+/- 86.7464
69	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	2,514.9	µg/mL	+/- 86.9025
70	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	2,510.0	µg/mL	+/- 86.7349
71	Naphthalene	91-20-3	STBL1057	99%	2,514.3	µg/mL	+/- 86.8809
72	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	2,514.1	µg/mL	+/- 86.8765

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

OP_2,4DCAA_00028

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567804 **Lot No.:** A0193845

Description : DCAA Standard

DCAA Standard 1,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	S30618V	99%	1,000.0 µg/mL	+/- 13.0130

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

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Reagent

OP_Agilent456_00007

2d

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Custom Mix - 10 at 2000ug/mL (5mL)

Product Number: CUS-00003500

Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715186

Lot Issue Date: 17-Nov-2022

Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration		Expanded Uncertainty	CAS#	Analyte Lot
1,3-dimethylnaphthalene	2001	±	10 µg/mL	000575-41-7	NT00962
BHT (2,6-di-tert-butyl-4-methylphenol)	2008	±	10 µg/mL	000128-37-0	NT02073
2-tert-butyl-p-cresol	2009	±	10 µg/mL	002409-55-4	RM15026-01
benzonitrile	2003	±	10 µg/mL	000100-47-0	RM03650
carbamazepin	2001	±	10 µg/mL	000298-46-4	RM05165
coumarin	2005	±	10 µg/mL	000091-64-5	RM01892
N-methylaniline	2000	±	10 µg/mL	000100-61-8	RM15275
pentachloronitrobenzene	2007	±	10 µg/mL	000082-68-8	RM20368
diphenyl ether	2003	±	10 µg/mL	000101-84-8	NT01385
N,N-dimethylaniline	2001	±	10 µg/mL	000121-69-7	RM15319

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Reagent

OP_Agilent457_00004

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Bisphenol A Std - 1000ug/mL (5mL)	**Lot Number:**	0006715838
Product Number:	CUS-00003804	**Lot Issue Date:**	18-Nov-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Dec-2024

	CERTIFIED VALUES			
Component Name	Concentration	Expanded Uncertainty	CAS#	Analyte Lot
bisphenol A	1002	± 5 µg/mL	000080-05-7	RM00927

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Reagent

OP_BenzAcid_00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0193718

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,007.2 µg/mL	+/- 112.7560
2	Benzoic acid	65-85-0	MKCL7479	99%	2,009.9 µg/mL	+/- 112.9084

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

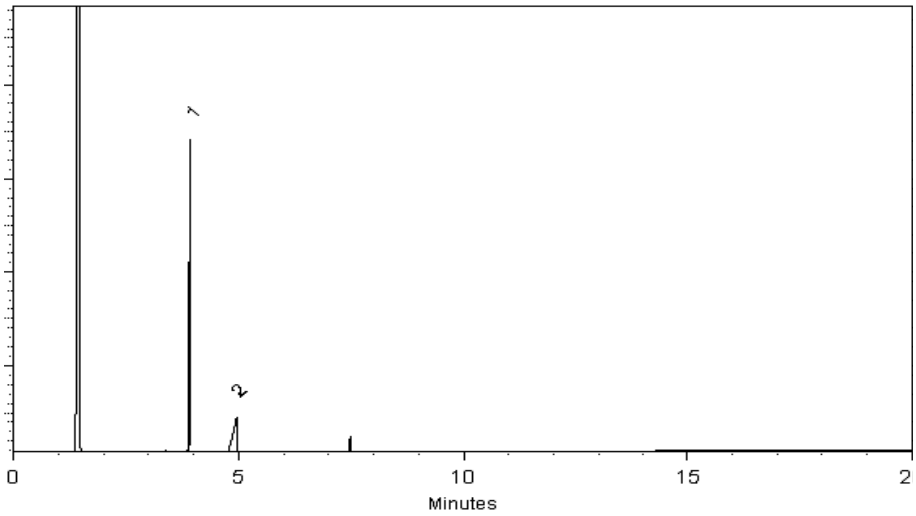
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 18-Jan-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_Benzald_sp_00020

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0193487

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RDA102822RSR	99%	2,000.0 µg/mL	+/- 58.7396
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,000.3 µg/mL	+/- 58.7469
3	Atrazine	1912-24-9	PI8FG	99%	2,000.3 µg/mL	+/- 58.7494

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

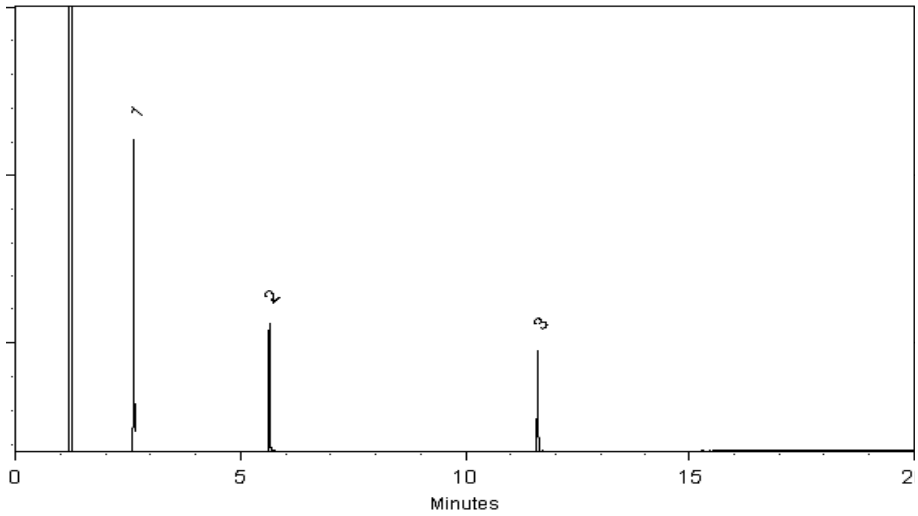
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 12-Jan-2023 **Balance Serial #** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_BNA_SURR_00012

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Surrogate Std - 6 at 5000ug/mL (5mL)

Product Number: CUS-00004795

Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715760

Lot Issue Date: 22-Nov-2022

Expiration Date: 31-Dec-2024

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-fluorophenol	5003	±	25 µg/mL	000367-12-4	RM19322
phenol-d5	5003	±	25 µg/mL	004165-62-2	RM19366
nitrobenzene-d5	5018	±	25 µg/mL	004165-60-0	RM19321
2-fluorobiphenyl	5012	±	25 µg/mL	000321-60-8	RM19298
2,4,6-tribromophenol	5003	±	25 µg/mL	000118-79-6	RM10846
p-terphenyl-d14	5004	±	25 µg/mL	001718-51-0	RM17200

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

OP_Herbsp RTS_00015



Reference Standard Data Pack

Herbicide LCS RTS (2015)

Catalog # 569750

Lot # A0198339

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.
RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569750 **Lot No.:** A0198339

Description : Herbicide LCS RTS (2015)

Herbicide LCS RTS (2015) 5-2000 µg/mL, Methanol, 25mL/bottle

Container Size : 30 mL **Pkg Amt:** > 25 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dalapon	75-99-0	BCCF1175	96%	20.0 µg/mL	+/- 0.2725
2	Dicamba	1918-00-9	14230400	98%	10.0 µg/mL	+/- 0.1361
3	MCPP (Mecoprop)	93-65-2	13378500	99%	2,001.0 µg/mL	+/- 25.9252
4	MCPA	94-74-6	13237700	96%	1,999.9 µg/mL	+/- 25.9106
5	Dichlorprop	120-36-5	12775100	98%	20.0 µg/mL	+/- 0.2723
6	2,4-D	94-75-7	13494400	99%	20.0 µg/mL	+/- 0.2724
7	Pentachlorophenol	87-86-5	RP230504	99%	5.0 µg/mL	+/- 0.0708
8	2,4,5-TP (silvex)	93-72-1	13979500	98%	5.0 µg/mL	+/- 0.0710
9	2,4,5-T	93-76-5	13821900	99%	5.0 µg/mL	+/- 0.0708
10	2,4-DB	94-82-6	13785800	99%	20.0 µg/mL	+/- 0.2724
11	Dinoseb	88-85-7	50001	99%	20.0 µg/mL	+/- 0.2724
12	Picloram	1918-02-1	13686600	99%	20.0 µg/mL	+/- 0.2724

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

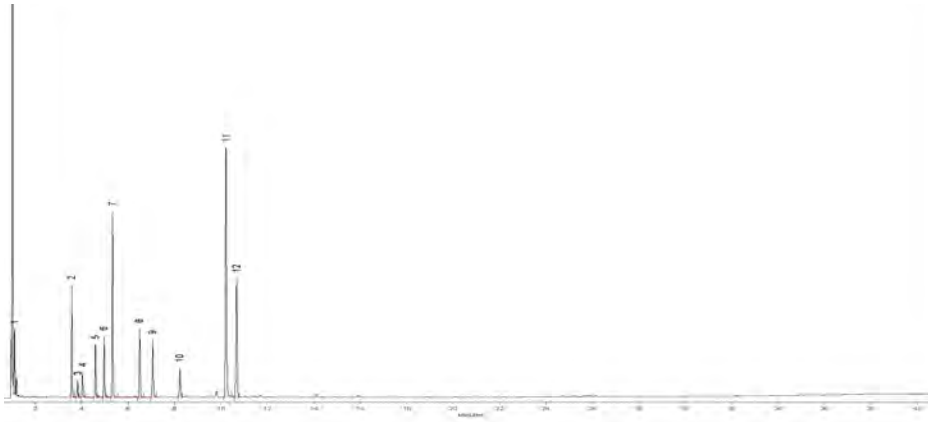
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 22-May-2023 **Balance Serial #** B707717271

John Lidgett - AD Chemist

Date Passed: 08-Jun-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0198339

Catalog #: 569750	**Target:** 5-2000 ug/mL	
Description: Herbicide LCS RTS (2015)		
Solvent: Methanol	**Solvent Lot:** 23A0462004	**Final Volume:** 500 ml

Made by: Josh McCloskey	**Date:** 5/23/2023 3:23:02PM		
Tested by: John Lidgett	**Date:** 6/8/2023 2:36:44PM		
Pass	**By:** John Lidgett	**Date:** 6/8/2023 2:36:48PM	
Packaged by: Josh McCloskey / Josh McCloskey	**Date:** 5/23/2023 3:25:21PM	**No. Units:** 16	**Pkg Size:** 25 mL
Balance Used: bede001743 XPE504	**Serial #:** B707717271		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
MCPP (Mecoprop)	93-65-2	R0664	13378500	0.99	2,000.00	1,000.00 mg	1,000.50 mg	2,001.0
MCPA	94-74-6	R0670	13237700	0.96	2,000.00	1,041.67 mg	1,041.60 mg	1,999.9
Picloram	1918-02-1	R0302	A0198333	0.99	20.00	10.00 ml	10.00 ml	20.0
Pentachlorophenol	87-86-5	R0501	A0198333	0.99	5.00	10.00 ml	10.00 ml	5.0
2,4-D	94-75-7	R0543	A0198333	0.99	20.00	10.00 ml	10.00 ml	20.0
Dicamba	1918-00-9	R0550	A0198333	0.98	10.00	10.00 ml	10.00 ml	10.0
Dinoseb	88-85-7	R0553	A0198333	0.99	20.00	10.00 ml	10.00 ml	20.0
2,4,5-TP (silvex)	93-72-1	R0650	A0198333	0.98	5.00	10.00 ml	10.00 ml	5.0
2,4,5-T	93-76-5	R0658	A0198333	0.99	5.00	10.00 ml	10.00 ml	5.0
2,4-DB	94-82-6	R0662	A0198333	0.99	20.00	10.00 ml	10.00 ml	20.0
Dichlorprop	120-36-5	R0663	A0198333	0.98	20.00	10.00 ml	10.00 ml	20.0
Dalapon	75-99-0	R0704	A0198333	0.96	20.00	10.00 ml	10.00 ml	20.0

RESTEK

Reference Material Batch Record
Lot #: A0198333

Catalog #: CS19228STK	**Target:** 250-1000 ug/mL	
Description: Herbicide LCS Stock Mix		
Solvent: Methanol	**Solvent Lot:** 23A0462004	**Final Volume:** 100 ml

Made by: Josh McCloskey	**Date:** 5/22/2023 6:55:17PM		
Tested by:	**Date:**		
	By:	**Date:**	
Packaged by: Josh McCloskey / Josh McCloskey	**Date:** 5/22/2023 7:05:47PM	**No. Units:** 0	**Pkg Size:** 1 mL
Balance Used: bede001743 XPE504	**Serial #:** B707717271		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Picloram	1918-02-1	R0302	13686600	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
Pentachlorophenol	87-86-5	R0501	RP230504	0.99	250.00	25.00 mg	25.00 mg	250.0
2,4-D	94-75-7	R0543	13494400	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
Dicamba	1918-00-9	R0550	14230400	0.98	500.00	51.02 mg	51.00 mg	499.8
Dinoseb	88-85-7	R0553	50001	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
2,4,5-TP (silvex)	93-72-1	R0650	13979500	0.98	250.00	25.51 mg	25.60 mg	250.9
2,4,5-T	93-76-5	R0658	13821900	0.99	250.00	25.00 mg	25.00 mg	250.0
2,4-DB	94-82-6	R0662	13785800	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
Dichlorprop	120-36-5	R0663	12775100	0.98	1,000.00	102.04 mg	102.00 mg	999.6
Dalapon	75-99-0	R0704	BCCF1175	0.96	1,000.00	104.17 mg	104.20 mg	1,000.3

QA Report: Herbicide LCS RTS (2015) Standard (Cat.#569750)

	Runs of Lot # A0184583						Runs of Lot # A0198339							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Dalapon	32544822	33169220	32636162	32783401	337235	1.03	33586250	33871504	33537835	33665196	180300	0.54	-2.69	PASS
Dicamba methyl ester	53238663	54421917	53374280	53678287	647563	1.21	56283353	56514245	56053068	56283555	230589	0.41	-4.85	PASS
MCPP	9556229	9809918	9587673	9651273	138287	1.43	9862323	9791676	9909284	9854428	59200	0.60	-2.10	PASS
MCPA	14394804	14709910	14416574	14507096	175979	1.21	14920798	14738478	14922151	14860476	105655	0.71	-2.44	PASS
Dichlorprop methyl ester	29214648	29646687	29088157	29316497	292863	1.00	30825181	30668770	30678323	30724091	87676	0.29	-4.80	PASS
2,4-D methyl ester	36265784	36799067	36284059	36449637	302753	0.83	37492824	37377792	37503961	37458192	69851	0.19	-2.77	PASS
Pentachloroanisole	99462455	101582525	99532751	100192577	1204243	1.20	109855917	110104007	109149337	10970308	495345	0.45	-9.49	PASS
2,4,5-TP (silvex) methyl ester	44229518	45048357	44256801	44511559	465081	1.04	47340035	47791313	47191660	47441003	312317	0.66	-6.58	PASS
2,4,5-T methyl ester	41579656	41958250	41296297	41611401	332116	0.80	42497361	43604727	42934088	43012059	557785	1.30	-3.37	PASS
2,4-DB methyl ester	22061931	22483264	22099158	22214784	233254	1.05	23433262	23657205	23373653	23488040	149502	0.64	-5.73	PASS
Dinoseb methyl ester	208275666	210474130	209749980	209499925	1120360	0.53	208333510	212277810	211681039	21076412	2126013	1.01	-0.60	PASS
Picloram methyl ester	98186722	99966386	98360849	98837986	981094	0.99	102726247	103820465	102900130	10314894	588014	0.57	-4.36	PASS

Reagent

OP_MEGA_2017_00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0204755

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ2407	99%	1,005.5 µg/mL	+/- 18.5816
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,010.0 µg/mL	+/- 18.6648
3	Pyridine	110-86-1	SHBP6240	99%	2,016.2 µg/mL	+/- 37.2501
4	Phenol	108-95-2	MKCK1120	99%	1,006.3 µg/mL	+/- 18.5970
5	Aniline	62-53-3	X22F726	99%	1,007.7 µg/mL	+/- 18.6216
6	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,009.0 µg/mL	+/- 18.6463
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,008.2 µg/mL	+/- 18.6309
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,008.7 µg/mL	+/- 18.6401
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.0 µg/mL	+/- 18.5539
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,009.7 µg/mL	+/- 18.6586
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 18.5816
12	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,008.3 µg/mL	+/- 18.6340
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,005.5 µg/mL	+/- 18.5816
14	2,2'-oxybis(1-chloropropane)	108-60-1	230609JLM	99%	1,007.7 µg/mL	+/- 18.6216
15	Acetophenone	98-86-2	STBH8205	99%	1,007.0 µg/mL	+/- 18.6093
16	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	503.0 µg/mL	+/- 9.2954

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.0	µg/mL	+/- 9.2954
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,007.3	µg/mL	+/- 18.6155
19	Hexachloroethane	67-72-1	QTORH	99%	1,003.8	µg/mL	+/- 18.5508
20	Nitrobenzene	98-95-3	10224044	99%	1,004.3	µg/mL	+/- 18.5600
21	Isophorone	78-59-1	MKCC9506	99%	1,005.5	µg/mL	+/- 18.5816
22	2-Nitrophenol	88-75-5	RP230710	99%	1,005.5	µg/mL	+/- 18.5816
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 18.5508
24	Bis(2-chloroethoxy)methane	111-91-1	14407100	99%	1,009.3	µg/mL	+/- 18.6524
25	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,005.2	µg/mL	+/- 18.5754
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.3	µg/mL	+/- 18.5970
27	Naphthalene	91-20-3	STBL1057	99%	1,005.0	µg/mL	+/- 18.5724
28	2,6-Dichlorophenol	87-65-0	MKCP7682	99%	1,009.2	µg/mL	+/- 18.6494
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.2	µg/mL	+/- 18.6309
30	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,007.1	µg/mL	+/- 18.6114
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.8	µg/mL	+/- 18.5878
32	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,000.0	µg/mL	+/- 18.4800
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	999.6	µg/mL	+/- 18.4726
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,009.5	µg/mL	+/- 18.6555
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,007.9	µg/mL	+/- 18.6265
36	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,005.5	µg/mL	+/- 18.5816
37	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,008.3	µg/mL	+/- 18.6325
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.2	µg/mL	+/- 18.5570
39	Biphenyl	92-52-4	MKCL6515	99%	1,005.0	µg/mL	+/- 18.5724
40	2-Nitroaniline	88-74-4	RP230531	99%	1,009.7	µg/mL	+/- 18.6586
41	Acenaphthylene	208-96-8	p06V	98%	1,008.7	µg/mL	+/- 18.6416
42	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,007.5	µg/mL	+/- 18.6186
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,009.5	µg/mL	+/- 18.6555
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,007.7	µg/mL	+/- 18.6216
45	3-Nitroaniline	99-09-2	RP231103CTH-1	99%	1,007.2	µg/mL	+/- 18.6124
46	Acenaphthene	83-32-9	MKCR7169	99%	1,008.5	µg/mL	+/- 18.6370
47	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	2,018.7	µg/mL	+/- 37.2963
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.0	µg/mL	+/- 18.5539
49	4-Nitrophenol	100-02-7	RP230627	99%	2,019.0	µg/mL	+/- 37.3025
50	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,006.8	µg/mL	+/- 18.6062
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,010.0	µg/mL	+/- 18.6648
52	Fluorene	86-73-7	10241100	99%	1,010.0	µg/mL	+/- 18.6648

53	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	1,003.8	µg/mL	+/- 18.5508
54	Diethylphthalate	84-66-2	BCCD3396	99%	1,008.7	µg/mL	+/- 18.6401
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,005.3	µg/mL	+/- 18.5785
56	4-Nitroaniline	100-01-6	RP230111	99%	1,005.5	µg/mL	+/- 18.5816
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	2,018.5	µg/mL	+/- 37.2933
58	Diphenylamine	122-39-4	MKCT1512	99%	856.3	µg/mL	+/- 15.8250
59	Azobenzene	103-33-3	BCCK0887	99%	1,005.5	µg/mL	+/- 18.5816
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.2	µg/mL	+/- 18.5754
61	Hexachlorobenzene	118-74-1	14821700	99%	1,008.0	µg/mL	+/- 18.6278
62	Pentachlorophenol	87-86-5	RP231108CTH	99%	2,017.7	µg/mL	+/- 37.2779
63	n-Octadecane (C18)	593-45-3	UE5NG	98%	1,008.9	µg/mL	+/- 18.6446
64	Phenanthrene	85-01-8	MKCS5188	99%	1,009.5	µg/mL	+/- 18.6555
65	Anthracene	120-12-7	MKCR0570	99%	1,008.8	µg/mL	+/- 18.6432
66	Carbazole	86-74-8	14351100	99%	1,006.8	µg/mL	+/- 18.6062
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.3	µg/mL	+/- 18.6155
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,007.5	µg/mL	+/- 18.6186
69	Pyrene	129-00-0	BCCG8479	98%	1,007.3	µg/mL	+/- 18.6144
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,009.8	µg/mL	+/- 18.6617
71	Benz(a)anthracene	56-55-3	I30012022BAA	99%	1,009.2	µg/mL	+/- 18.6494
72	Chrysene	218-01-9	RP231102CTH	99%	1,007.7	µg/mL	+/- 18.6216
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,007.3	µg/mL	+/- 18.6155
74	Di-n-octyl phthalate	117-84-0	14783100	99%	1,004.7	µg/mL	+/- 18.5662
75	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,005.3	µg/mL	+/- 18.5785
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.7	µg/mL	+/- 18.5477
77	Benzo(a)pyrene	50-32-8	O45GL	98%	1,006.0	µg/mL	+/- 18.5903
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,007.0	µg/mL	+/- 18.6097
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,005.5	µg/mL	+/- 18.5816
80	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,009.8	µg/mL	+/- 18.6617

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

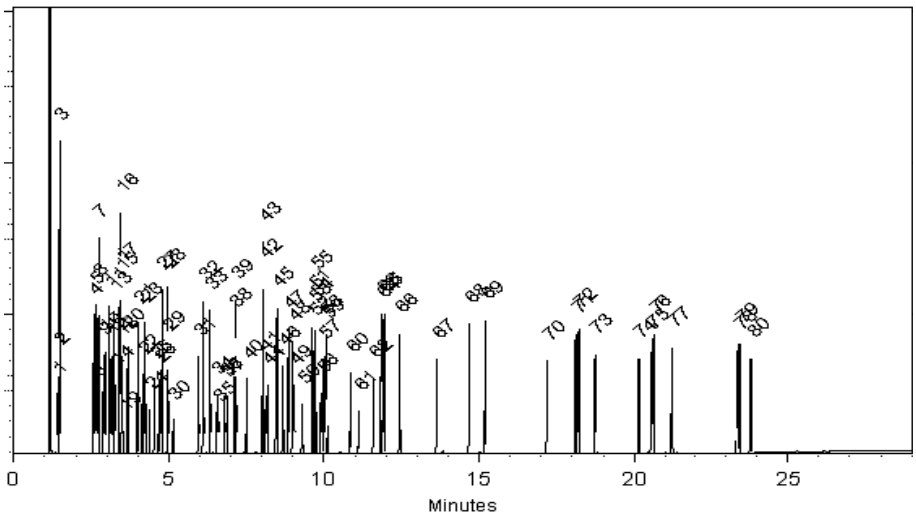
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 27-Nov-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 30-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_MIREX_00020

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

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CERTIFICATE OF ANALYSIS

Catalog No: AS-E0219
Description: Mirex
Lot: 223061225
Solvent: Acetone
Hazards: *Refer to SDS for complete safety information*



Signal Word: Danger

Date Certified: Jun 14, 2023
Expiration: Jul 14, 2025
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity³ %	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Mirex	2385-85-5	98.2	1015	997

This Certified Reference Material was verified in accordance with ISO/IEC 17025 (AT-1339) and ISO 17034 (AR-1463)

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

² All weights are traceable through NIST, Test No. 684/291344-18 & 684/292805-19

³ Purity/Identity determined by one or more of the following methods: GC/MS, LC/MS, NMR, FTIR, Melting Point.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Reagent

OP_std #1_BNA_00013

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0194453

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2024 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S221205RSR	99%	2,018.3 µg/mL	+/- 37.2902
2	3,3'-Dichlorobenzidine	91-94-1	S221201RSR	99%	2,018.6 µg/mL	+/- 37.2948

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

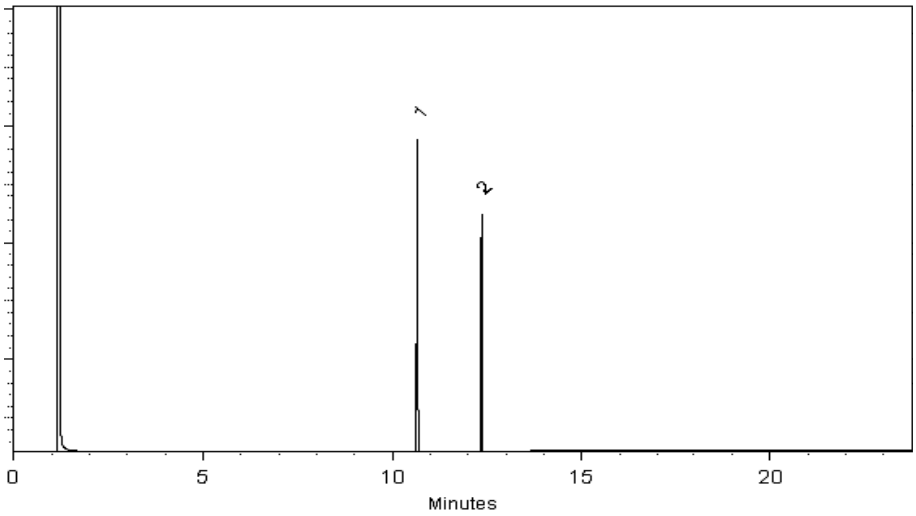
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 08-Feb-2023 **Balance Serial #** 1122030677

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OPOrgnCPST_00015

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110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32415 **Lot No.:** A0169605

Description : Organochlorine Pesticide Mix AB #3

Organochlorine Pesticide Mix AB #3 2,000 µg/mL, Hexane/Toluene (50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2025 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	alpha-BHC		2,000.5 µg/mL	+/- 11.7401	µg/mL	Gravimetric
	CAS # 319-84-6	(Lot 11389000)		+/- 91.1212	µg/mL	Unstressed
	Purity 99%			+/- 131.5667	µg/mL	Stressed
2	gamma-BHC (Lindane)		1,999.2 µg/mL	+/- 11.7322	µg/mL	Gravimetric
	CAS # 58-89-9	(Lot 10972000)		+/- 91.0606	µg/mL	Unstressed
	Purity 97%			+/- 131.4792	µg/mL	Stressed
3	beta-BHC		2,017.0 µg/mL	+/- 11.8369	µg/mL	Gravimetric
	CAS # 319-85-7	(Lot SL210106)		+/- 91.8728	µg/mL	Unstressed
	Purity 99%			+/- 132.6518	µg/mL	Stressed
4	delta-BHC		2,003.6 µg/mL	+/- 11.7583	µg/mL	Gravimetric
	CAS # 319-86-8	(Lot ER02101401)		+/- 91.2629	µg/mL	Unstressed
	Purity 98%			+/- 131.7712	µg/mL	Stressed
5	Heptachlor		2,011.0 µg/mL	+/- 11.8017	µg/mL	Gravimetric
	CAS # 76-44-8	(Lot 0006581391)		+/- 91.5995	µg/mL	Unstressed
	Purity 99%			+/- 132.2572	µg/mL	Stressed
6	Aldrin		2,016.1 µg/mL	+/- 11.8319	µg/mL	Gravimetric
	CAS # 309-00-2	(Lot 11129800)		+/- 91.8338	µg/mL	Unstressed
	Purity 97%			+/- 132.5956	µg/mL	Stressed
7	Heptachlor epoxide (isomer B)		2,004.5 µg/mL	+/- 11.7635	µg/mL	Gravimetric
	CAS # 1024-57-3	(Lot 10620300)		+/- 91.3034	µg/mL	Unstressed
	Purity 99%			+/- 131.8298	µg/mL	Stressed

8	trans-Chlordane		2,003.5	µg/mL	+/-	11.7577	µg/mL	Gravimetric
	CAS # 5103-74-2	(Lot 32095)			+/-	91.2579	µg/mL	Unstressed
	Purity 99%				+/-	131.7640	µg/mL	Stressed
9	cis-Chlordane		2,006.0	µg/mL	+/-	11.7723	µg/mL	Gravimetric
	CAS # 5103-71-9	(Lot 31707)			+/-	91.3717	µg/mL	Unstressed
	Purity 99%				+/-	131.9284	µg/mL	Stressed
10	Endosulfan I		2,004.0	µg/mL	+/-	11.7606	µg/mL	Gravimetric
	CAS # 959-98-8	(Lot BCBS8631)			+/-	91.2806	µg/mL	Unstressed
	Purity 99%				+/-	131.7969	µg/mL	Stressed
11	4,4'-DDE		2,017.5	µg/mL	+/-	11.8398	µg/mL	Gravimetric
	CAS # 72-55-9	(Lot GHYQG)			+/-	91.8956	µg/mL	Unstressed
	Purity 99%				+/-	132.6847	µg/mL	Stressed
12	Dieldrin		2,002.1	µg/mL	+/-	11.7497	µg/mL	Gravimetric
	CAS # 60-57-1	(Lot 10714300)			+/-	91.1959	µg/mL	Unstressed
	Purity 98%				+/-	131.6745	µg/mL	Stressed
13	Endrin		2,008.0	µg/mL	+/-	11.7842	µg/mL	Gravimetric
	CAS # 72-20-8	(Lot 11129700)			+/-	91.4638	µg/mL	Unstressed
	Purity 98%				+/-	132.0613	µg/mL	Stressed
14	4,4'-DDD		2,006.0	µg/mL	+/-	11.7723	µg/mL	Gravimetric
	CAS # 72-54-8	(Lot HAN02)			+/-	91.3717	µg/mL	Unstressed
	Purity 99%				+/-	131.9284	µg/mL	Stressed
15	Endosulfan II		2,014.5	µg/mL	+/-	11.8222	µg/mL	Gravimetric
	CAS # 33213-65-9	(Lot 11129400)			+/-	91.7589	µg/mL	Unstressed
	Purity 99%				+/-	132.4874	µg/mL	Stressed
16	Endrin aldehyde		2,001.0	µg/mL	+/-	11.7430	µg/mL	Gravimetric
	CAS # 7421-93-4	(Lot 30606)			+/-	91.1440	µg/mL	Unstressed
	Purity 99%				+/-	131.5996	µg/mL	Stressed
17	4,4'-DDT		2,003.5	µg/mL	+/-	11.7577	µg/mL	Gravimetric
	CAS # 50-29-3	(Lot S37912V)			+/-	91.2579	µg/mL	Unstressed
	Purity 99%				+/-	131.7640	µg/mL	Stressed
18	Endosulfan sulfate		2,001.0	µg/mL	+/-	11.7430	µg/mL	Gravimetric
	CAS # 1031-07-8	(Lot BCCB0424)			+/-	91.1440	µg/mL	Unstressed
	Purity 99%				+/-	131.5996	µg/mL	Stressed
19	Methoxychlor		2,011.8	µg/mL	+/-	11.8063	µg/mL	Gravimetric
	CAS # 72-43-5	(Lot 10720900)			+/-	91.6350	µg/mL	Unstressed
	Purity 97%				+/-	132.3085	µg/mL	Stressed
20	Endrin ketone		2,006.0	µg/mL	+/-	11.7723	µg/mL	Gravimetric
	CAS # 53494-70-5	(Lot 9985500)			+/-	91.3717	µg/mL	Unstressed
	Purity 99%				+/-	131.9284	µg/mL	Stressed

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

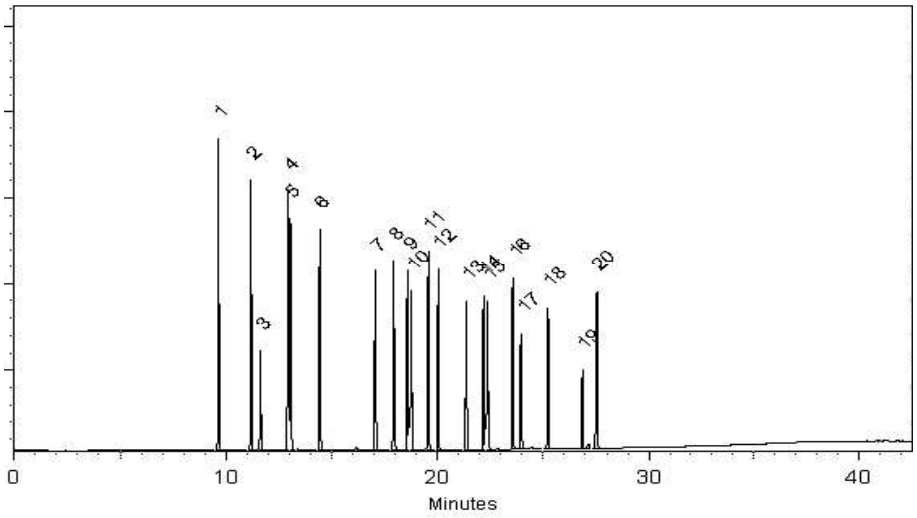
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 01-Mar-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 08-Mar-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32457 **Lot No.:** A0167624

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200µg/mL, Acetone, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1794 µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3374 µg/mL	Unstressed
	Purity 98%		+/- 8.2781 µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	201.2 µg/mL	+/- 1.1869 µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3780 µg/mL	Unstressed
	Purity 99%		+/- 8.3311 µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

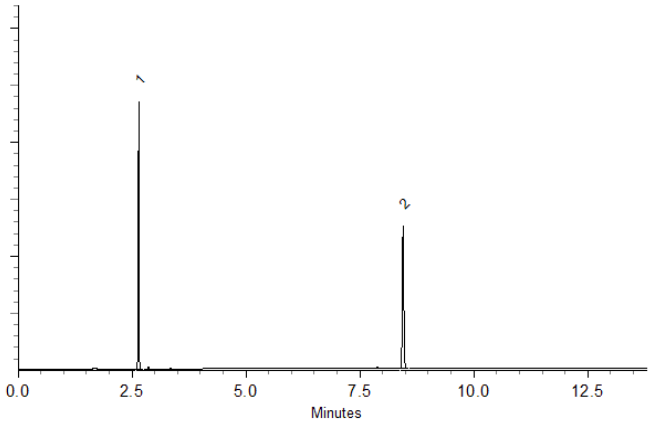
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 29-Dec-2020 **Balance:** 1127510105

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

PESTSURR2nd_00001

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32457 **Lot No.:** A0167624

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200µg/mL, Acetone, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1794 µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3374 µg/mL	Unstressed
	Purity 98%		+/- 8.2781 µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	201.2 µg/mL	+/- 1.1869 µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3780 µg/mL	Unstressed
	Purity 99%		+/- 8.3311 µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

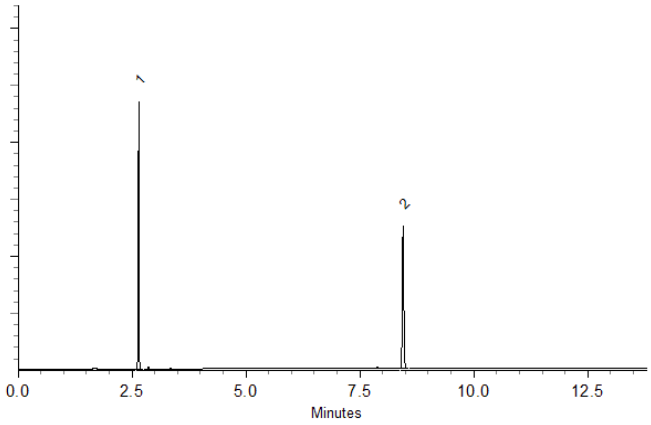
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 29-Dec-2020 **Balance:** 1127510105

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

PESTSURRMIX_00011

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		199.9	µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)			+/- 6.3347	µg/mL	Unstressed
	Purity 98%				+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		200.1	µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)			+/- 6.3404	µg/mL	Unstressed
	Purity 99%				+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

POLAR ADD_00026

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2466

1/25/2024 MS # 11479995

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 **Lot No.:** A0194786

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBH6233	99%	25,178.4 µg/mL	+/- 411.7151
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,519.2 µg/mL	+/- 41.2058
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,512.8 µg/mL	+/- 41.1011
4	Propionitrile	107-12-0	BCCF4167	99%	25,095.6 µg/mL	+/- 410.3612
5	tert-Amyl alcohol	75-85-4	STBB1898V	99%	25,105.6 µg/mL	+/- 410.5247
6	tert-Amyl methyl ether (TAME)	994-05-8	HMBG7745V	99%	2,514.0 µg/mL	+/- 41.1207

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

2613

Pag

Reagent

SG-PCP_00011

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Fax: 1-814-353-1309

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32268 **Lot No.:** A0193185

Description : Pentachloroanisole Standard

Pentachloroanisole 1000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroanisole	1825-21-4	12167300	99%	1,002.5 µg/mL	+/- 18.4594

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Reagent

SGCHLOR ICV_00004

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0188505

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Chlordane	1,000.0 µg/mL	+/- 5.9397	µg/mL	Gravimetric
	CAS # 57-74-9 (Lot 978545)		+/- 31.7072	µg/mL	Unstressed
	Purity ----% 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers		+/- 41.4130	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

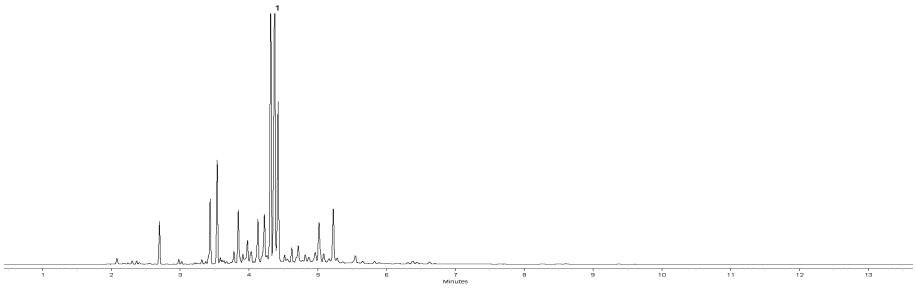
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 14-Aug-2022 **Balance:** B442140311

John Lidgett - AD Chemist

Date Passed: 16-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0183419

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Chlordane	1,005.0 µg/mL	+/- 5.9694	µg/mL	Gravimetric
	CAS # 57-74-9 (Lot 978545)		+/- 31.8658	µg/mL	Unstressed
	Purity ----%		+/- 41.6201	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

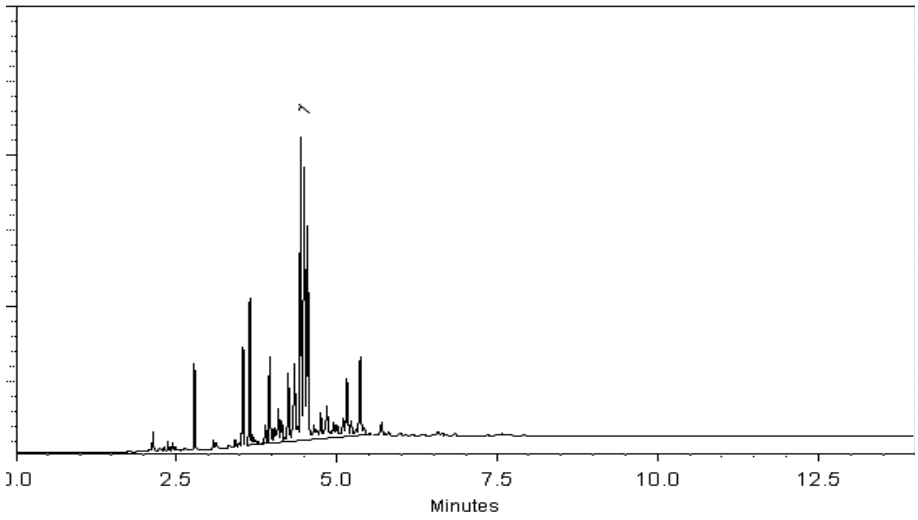
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 28-Mar-2022 **Balance:** 1128360905

Marlina Cowan - Operations Tech I

Date Passed: 31-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32093 **Lot No.:** A0186032

Description : 508.1 GC Degradation Check Mix

508.1 GC Degradation Ck 100µg/mL, Ethyl Acetate, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Endrin	101.0 µg/mL	+/- 0.7162 µg/mL	Gravimetric
	CAS # 72-20-8 (Lot 13157400)		+/- 4.6180 µg/mL	Unstressed
	Purity 99%		+/- 6.6546 µg/mL	Stressed
2	4,4'-DDT	100.9 µg/mL	+/- 0.7157 µg/mL	Gravimetric
	CAS # 50-29-3 (Lot 220428JLM)		+/- 4.6153 µg/mL	Unstressed
	Purity 98%		+/- 6.6507 µg/mL	Stressed

Solvent: Ethyl acetate
CAS # 141-78-6
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

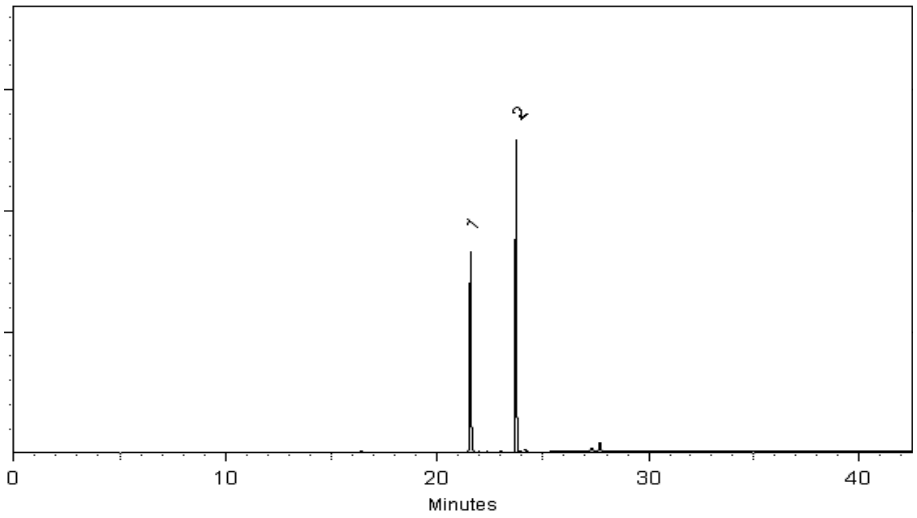
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 06-Jun-2022 **Balance:** B345965662

Christie Mills - Operations Tech II - ARM QC

Date Passed: 08-Jun-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32059 **Lot No.:** A0156181

Description : Herbicide Mix #3/ME (Methyl Ester)

Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive.

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	MCPP (Mecoprop) methyl ester	20,000.0 µg/mL	+/- 185.0838 µg/mL	Gravimetric
	CAS # 23844-56-6 (Lot 9316000)		+/- 685.4615 µg/mL	Unstressed
	Purity 99%		+/- 685.4615 µg/mL	Stressed
2	MCPA methyl ester	20,012.0 µg/mL	+/- 185.1948 µg/mL	Gravimetric
	CAS # 2436-73-9 (Lot 9315900)		+/- 685.8728 µg/mL	Unstressed
	Purity 99%		+/- 685.8728 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

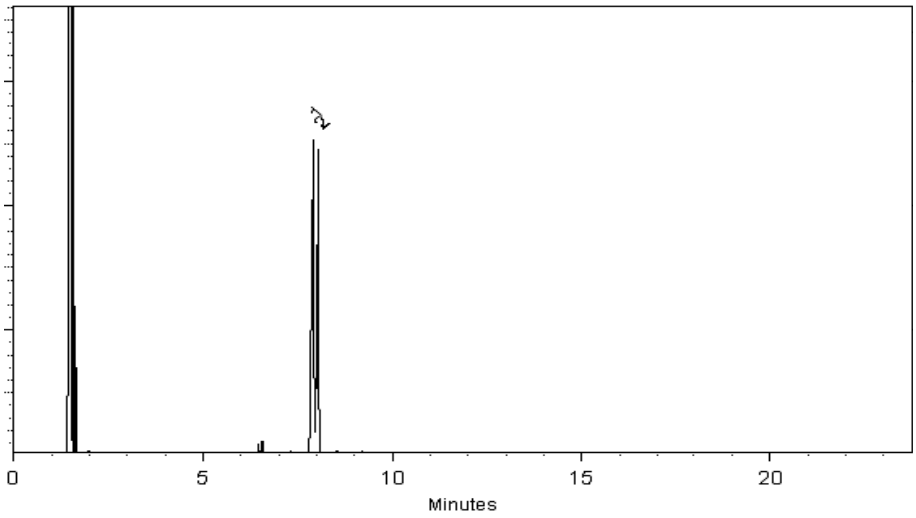
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 30-Dec-2019 **Balance:** B251644995

Tyler Brown - Operations Tech-ARM QC

Date Passed: 31-Dec-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32055 **Lot No.:** A0158162

Description : Herbicide Mix #1/ME (Methyl Ester)

Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dicamba methyl ester **CAS #** 6597-78-0 **Purity** 99%	(Lot 6580100)	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL		Gravimetric Unstressed Stressed
2	Dichlorprop methyl ester **CAS #** 57153-17-0 **Purity** 98%	(Lot 8578700)	199.9 µg/mL	+/- 1.4176 µg/mL +/- 6.7480 µg/mL +/- 6.7480 µg/mL		Gravimetric Unstressed Stressed
3	2,4-D methyl ester **CAS #** 1928-38-7 **Purity** 99%	(Lot 5209600)	202.0 µg/mL	+/- 1.4323 µg/mL +/- 6.8182 µg/mL +/- 6.8182 µg/mL		Gravimetric Unstressed Stressed
4	2,4,5-TP (silvex) methyl ester **CAS #** 4841-20-7 **Purity** 99%	(Lot 504400)	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL		Gravimetric Unstressed Stressed
5	2,4,5-T methyl ester **CAS #** 1928-37-6 **Purity** 99%	(Lot 6875800)	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL		Gravimetric Unstressed Stressed
6	Dinoseb methyl ether **CAS #** 6099-79-2 **Purity** 99%	(Lot 4362100)	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL		Gravimetric Unstressed Stressed
7	2,4-DB methyl ester **CAS #** 18625-12-2 **Purity** 99%	(Lot 6847200)	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL		Gravimetric Unstressed Stressed

Reagent

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0179582

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.7507	µg/mL	Unstressed
	Purity 99%		+/- 6.7507	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

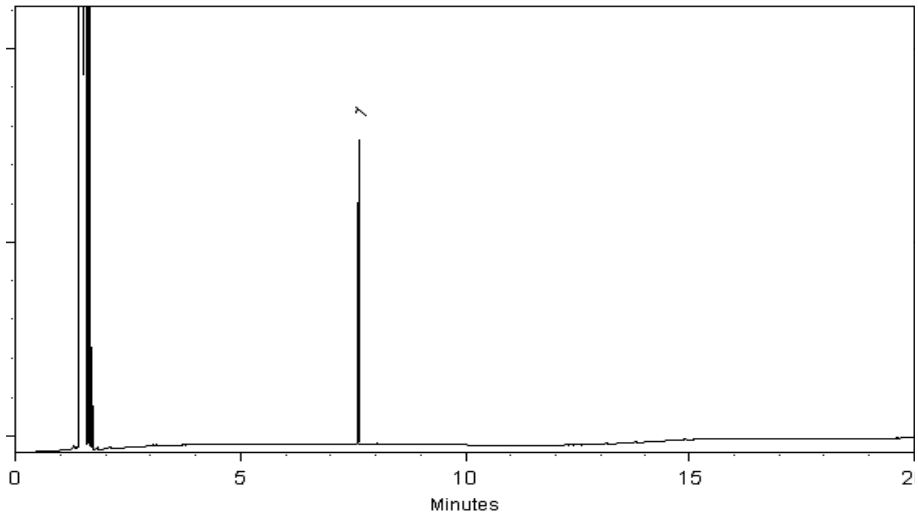
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Dec-2021 **Balance:** B345965662

Ciara Windle - Operations Technician I

Date Passed: 21-Dec-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SGMIREX_00034

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: P-066S
Description: Mirex
Lot: 219051741
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*



Signal Word: Danger

Date Certified: May 28, 2019
Expiration: May 28, 2023
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-1463

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1339

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
Mirex	2385-85-5	98.2	100.2	98.4

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

1. **Quality Standards:**

   ISO 17034 – General Requirements for the Competence of Reference Material Producers ANAB Certificate Number AR-1463

   ISO/IEC 17025 – General Requirements for the Competence of Testing And Calibration Laboratories ANAB Certificate Number AT-1339

   ISO 9001:2015 – Quality Management System – Requirements Eagle Registrations Certificate Number 3774

2. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 7.

3. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this Standard.

4. **Homogeneity:** This product is sufficiently homogeneous and any sample size would be within the uncertainty budget.

5. **Stability:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label

6. **Uncertainty:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide. We report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_a = \sqrt{(u(\mathrm{V}))^2 + (u(\mathrm{m}))^2 + (u(\mathrm{IV}))^2 + (u(\mathrm{RO}))^2}$ This formula represents uncertainty components from the mass, volume, short-term stability, long-term stability and homogeneity factors associated with the production of this product. The expanded uncertainty, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level.

7. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

Reagent

SGPCBISTD_00026

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32279 **Lot No.:** A0182850

Description : 1-Bromo-2-nitrobenzene Standard

1-Bromo-2-nitrobenzene Standard 1000 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1-Bromo-2-nitrobenzene	1,008.0 µg/mL	+/- 5.9872 µg/mL	Gravimetric
	CAS # 577-19-5 (Lot 643872/1)		+/- 56.5308 µg/mL	Unstressed
	Purity 99%		+/- 57.8530 µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

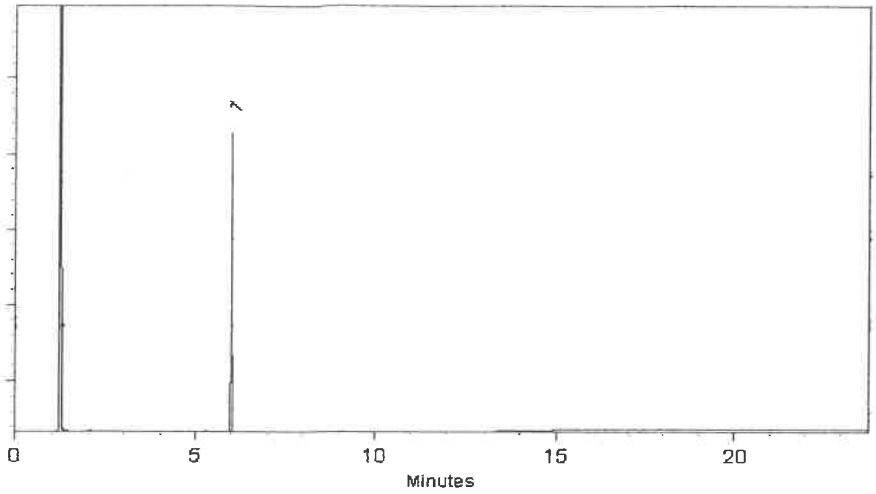
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 14-Mar-2022 **Balance:** 1128353505

Marlina Cowan - Operations Tech I

Date Passed: 17-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

SGPEST_00009

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32415 **Lot No.:** A0159910

Description : Organochlorine Pesticide Mix AB #3

Organochlorine Pesticide Mix AB #3 2,000 µg/mL, Hexane/Toluene (50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2024 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	alpha-BHC **CAS #** 319-84-6 (Lot 0012018BHC) **Purity** 99%	2,005.0 µg/mL	+/- 11.7665 µg/mL +/- 91.3262 µg/mL +/- 131.8626 µg/mL	Gravimetric Unstressed Stressed
2	gamma-BHC (Lindane) **CAS #** 58-89-9 (Lot 9823200) **Purity** 99%	2,006.0 µg/mL	+/- 11.7723 µg/mL +/- 91.3717 µg/mL +/- 131.9284 µg/mL	Gravimetric Unstressed Stressed
3	beta-BHC **CAS #** 319-85-7 (Lot BCBS8692V) **Purity** 99%	2,015.5 µg/mL	+/- 11.8281 µg/mL +/- 91.8045 µg/mL +/- 132.5532 µg/mL	Gravimetric Unstressed Stressed
4	delta-BHC **CAS #** 319-86-8 (Lot ER02101401) **Purity** 99%	2,009.0 µg/mL	+/- 11.7899 µg/mL +/- 91.5084 µg/mL +/- 132.1257 µg/mL	Gravimetric Unstressed Stressed
5	Heptachlor **CAS #** 76-44-8 (Lot 0006515169) **Purity** 99%	2,009.5 µg/mL	+/- 11.7929 µg/mL +/- 91.5312 µg/mL +/- 132.1586 µg/mL	Gravimetric Unstressed Stressed
6	Aldrin **CAS #** 309-00-2 (Lot 9824000) **Purity** 97%	2,004.0 µg/mL	+/- 11.7607 µg/mL +/- 91.2816 µg/mL +/- 131.7982 µg/mL	Gravimetric Unstressed Stressed
7	Heptachlor epoxide (isomer B) **CAS #** 1024-57-3 (Lot 9206400) **Purity** 99%	2,016.5 µg/mL	+/- 11.8340 µg/mL +/- 91.8500 µg/mL +/- 132.6190 µg/mL	Gravimetric Unstressed Stressed

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

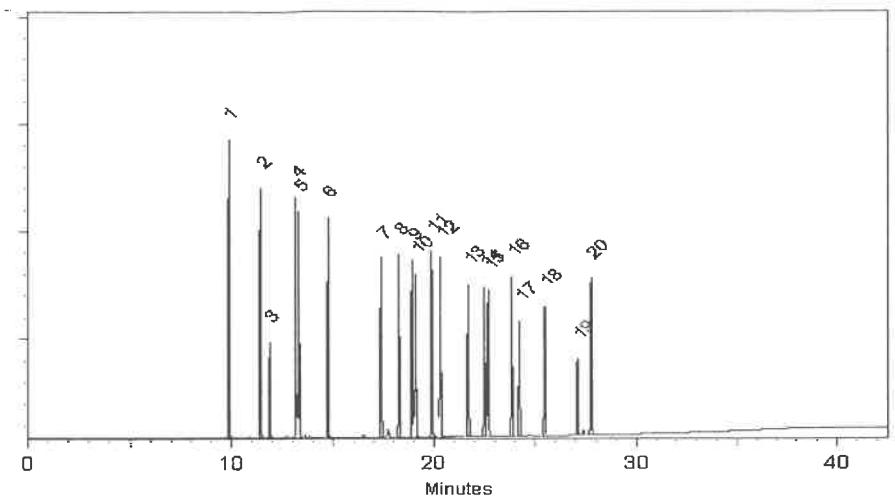
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Kylie Struble - Operations Technician I

Date Mixed: 14-Apr-2020 **Balance:** 1128360905

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 06-May-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

SGPEST2nd_00001

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32415 **Lot No.:** A0180239

Description : Organochlorine Pesticide Mix AB #3

Organochlorine Pesticide Mix AB #3 2,000 µg/mL, Hexane/Toluene (50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	alpha-BHC		2,002.0 µg/mL	+/- 11.7489	µg/mL	Gravimetric
	CAS # 319-84-6	(Lot 12667000)		+/- 91.1896	µg/mL	Unstressed
	Purity 99%			+/- 131.6653	µg/mL	Stressed
2	gamma-BHC (Lindane)		2,000.5 µg/mL	+/- 11.7401	µg/mL	Gravimetric
	CAS # 58-89-9	(Lot 12642100)		+/- 91.1212	µg/mL	Unstressed
	Purity 99%			+/- 131.5667	µg/mL	Stressed
3	beta-BHC		2,000.5 µg/mL	+/- 11.7401	µg/mL	Gravimetric
	CAS # 319-85-7	(Lot BCCC6425)		+/- 91.1212	µg/mL	Unstressed
	Purity 99%			+/- 131.5667	µg/mL	Stressed
4	delta-BHC		2,000.5 µg/mL	+/- 11.7401	µg/mL	Gravimetric
	CAS # 319-86-8	(Lot 12721300)		+/- 91.1212	µg/mL	Unstressed
	Purity 99%			+/- 131.5667	µg/mL	Stressed
5	Heptachlor		2,002.0 µg/mL	+/- 11.7489	µg/mL	Gravimetric
	CAS # 76-44-8	(Lot 0006625059)		+/- 91.1896	µg/mL	Unstressed
	Purity 99%			+/- 131.6653	µg/mL	Stressed
6	Aldrin		2,001.0 µg/mL	+/- 11.7430	µg/mL	Gravimetric
	CAS # 309-00-2	(Lot 12444700)		+/- 91.1440	µg/mL	Unstressed
	Purity 99%			+/- 131.5996	µg/mL	Stressed
7	Heptachlor epoxide (isomer B)		2,001.0 µg/mL	+/- 11.7430	µg/mL	Gravimetric
	CAS # 1024-57-3	(Lot 12756600)		+/- 91.1440	µg/mL	Unstressed
	Purity 99%			+/- 131.5996	µg/mL	Stressed

8	trans-Chlordane		2,001.5	µg/mL	+/-	11.7459	µg/mL	Gravimetric
	CAS # 5103-74-2	(Lot 32844)			+/-	91.1668	µg/mL	Unstressed
	Purity 99%				+/-	131.6325	µg/mL	Stressed
9	cis-Chlordane		2,000.5	µg/mL	+/-	11.7401	µg/mL	Gravimetric
	CAS # 5103-71-9	(Lot 31707)			+/-	91.1212	µg/mL	Unstressed
	Purity 99%				+/-	131.5667	µg/mL	Stressed
10	Endosulfan I		2,001.5	µg/mL	+/-	11.7459	µg/mL	Gravimetric
	CAS # 959-98-8	(Lot BCCF4060)			+/-	91.1668	µg/mL	Unstressed
	Purity 99%				+/-	131.6325	µg/mL	Stressed
11	4,4'-DDE		2,001.0	µg/mL	+/-	11.7430	µg/mL	Gravimetric
	CAS # 72-55-9	(Lot GHYQG)			+/-	91.1440	µg/mL	Unstressed
	Purity 99%				+/-	131.5996	µg/mL	Stressed
12	Dieldrin		2,001.0	µg/mL	+/-	11.7430	µg/mL	Gravimetric
	CAS # 60-57-1	(Lot 12495700)			+/-	91.1440	µg/mL	Unstressed
	Purity 99%				+/-	131.5996	µg/mL	Stressed
13	Endrin		2,002.1	µg/mL	+/-	11.7497	µg/mL	Gravimetric
	CAS # 72-20-8	(Lot 12618300)			+/-	91.1959	µg/mL	Unstressed
	Purity 98%				+/-	131.6745	µg/mL	Stressed
14	4,4'-DDD		2,001.0	µg/mL	+/-	11.7430	µg/mL	Gravimetric
	CAS # 72-54-8	(Lot HAN02)			+/-	91.1440	µg/mL	Unstressed
	Purity 99%				+/-	131.5996	µg/mL	Stressed
15	Endosulfan II		2,000.5	µg/mL	+/-	11.7401	µg/mL	Gravimetric
	CAS # 33213-65-9	(Lot 12605400)			+/-	91.1212	µg/mL	Unstressed
	Purity 99%				+/-	131.5667	µg/mL	Stressed
16	Endrin aldehyde		2,000.5	µg/mL	+/-	11.7401	µg/mL	Gravimetric
	CAS # 7421-93-4	(Lot 30720)			+/-	91.1212	µg/mL	Unstressed
	Purity 99%				+/-	131.5667	µg/mL	Stressed
17	4,4'-DDT		2,001.0	µg/mL	+/-	11.7430	µg/mL	Gravimetric
	CAS # 50-29-3	(Lot 210916JLM)			+/-	91.1440	µg/mL	Unstressed
	Purity 99%				+/-	131.5996	µg/mL	Stressed
18	Endosulfan sulfate		2,000.5	µg/mL	+/-	11.7401	µg/mL	Gravimetric
	CAS # 1031-07-8	(Lot BCCB0424)			+/-	91.1212	µg/mL	Unstressed
	Purity 99%				+/-	131.5667	µg/mL	Stressed
19	Methoxychlor		2,000.6	µg/mL	+/-	11.7408	µg/mL	Gravimetric
	CAS # 72-43-5	(Lot 12325400)			+/-	91.1269	µg/mL	Unstressed
	Purity 97%				+/-	131.5749	µg/mL	Stressed
20	Endrin ketone		2,001.0	µg/mL	+/-	11.7430	µg/mL	Gravimetric
	CAS # 53494-70-5	(Lot 12468800)			+/-	91.1440	µg/mL	Unstressed
	Purity 99%				+/-	131.5996	µg/mL	Stressed

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

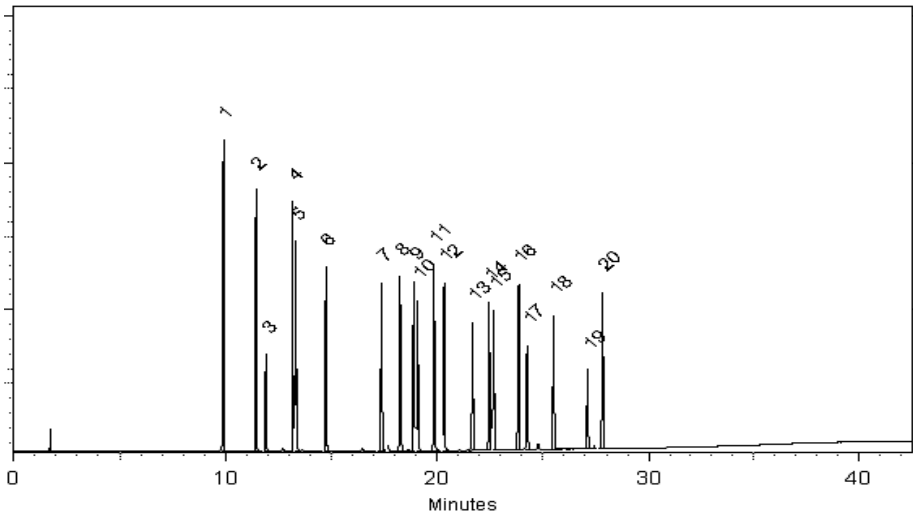
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2022 **Balance:** 1128360905

Ciara Windle - Operations Technician I

Date Passed: 07-Jan-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SGTOX_00012

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32071 **Lot No.:** A0182334

Description : Toxaphene Standard

Toxaphene Standard 5,000 µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Toxaphene	5,024.0 µg/mL	+/- 29.4836 µg/mL	Gravimetric
	CAS # 8001-35-2 (Lot 1051817)		+/- 159.2305 µg/mL	Unstressed
	Purity ----%		+/- 208.0080 µg/mL	Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

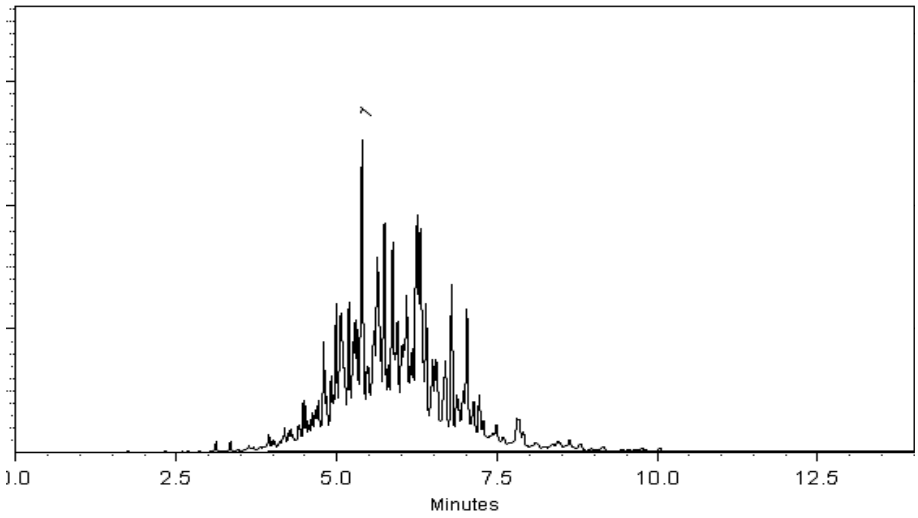
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 28-Feb-2022 **Balance:** 1128360905

Clara Windle - Operations Technician I

Date Passed: 03-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SGTOX_00013

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32071 **Lot No.:** A0184498

Description : Toxaphene Standard

Toxaphene Standard 5,000 µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Toxaphene	4,954.0 µg/mL	+/- 29.0728 µg/mL	Gravimetric
	CAS # 8001-35-2 (Lot 1051817)		+/- 157.0119 µg/mL	Unstressed
	Purity ----%		+/- 205.1098 µg/mL	Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

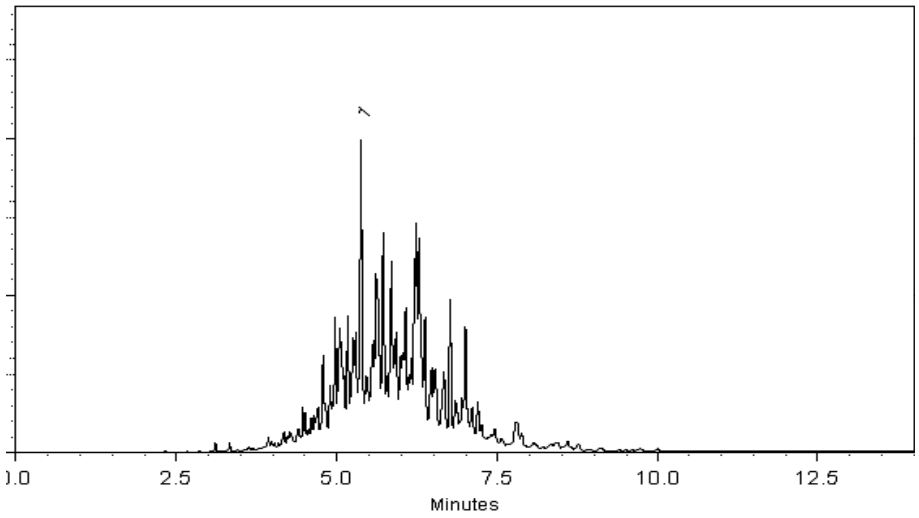
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 25-Apr-2022 **Balance:** B442140311

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 06-May-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SM_ISTD_00196

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name	8270 Internal Standard	**Lot Number:**	0006627459
Product Number	CUS-00004805	**Lot Issue Date:**	02-Aug-2021
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Aug-2024

Component Name	CERTIFIED VALUES Concentration		Expanded Uncertainty	CAS#	Analyte Lot
acenaphthene-d10	2000	±	10 µg/mL	015067-26-2	RM18766
chrysene-d12	2005	±	10 µg/mL	001719-03-5	RM15976
1,4-dichlorobenzene-d4	1998	±	10 µg/mL	003855-82-1	RM14980
naphthalene-d8	2001	±	10 µg/mL	001146-65-2	RM12698
perylene-d12	2000	±	10 µg/mL	001520-96-3	RM12612
phenanthrene-d10	2001	±	10 µg/mL	001517-22-2	RM17023

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

SM_ISTD_00197

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Internal Std - 6 at 2000ug/mL (5mL)

Product Number: CUS-00004805

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006760251

Lot Issue Date: 13-Sep-2023

Expiration Date: 31-Oct-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acenaphthene-d10	2010	±	10 µg/mL	015067-26-2	RM18947
chrysene-d12	2008	±	10 µg/mL	001719-03-5	RM18746
1,4-dichlorobenzene-d4	2005	±	10 µg/mL	003855-82-1	RM19347
naphthalene-d8	2009	±	10 µg/mL	001146-65-2	RM19349
perylene-d12	2008	±	10 µg/mL	001520-96-3	RM19985
phenanthrene-d10	2005	±	10 µg/mL	001517-22-2	RM19350

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

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Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

TBA AB_00007

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90766
Lot Number: 111120
Description: tert-Butyl alcohol (t-Butanol)
(2-Methyl-2-propanol)
Expiration Date: 111125
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 20000
NIST Test ID#: 23060

Solvent(s): **Lot#**
Methanol DY186-US

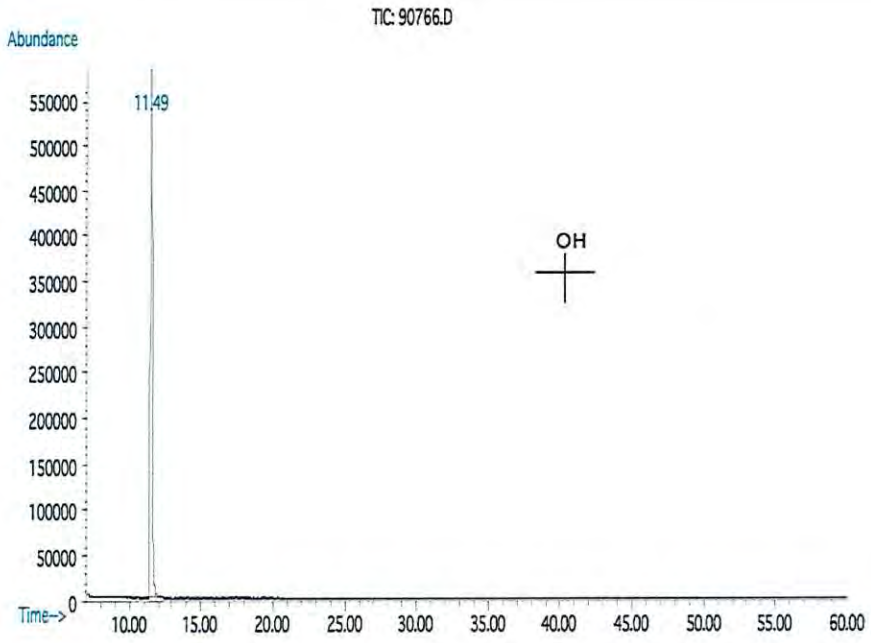
R 2420
MS 7120123 #10991629

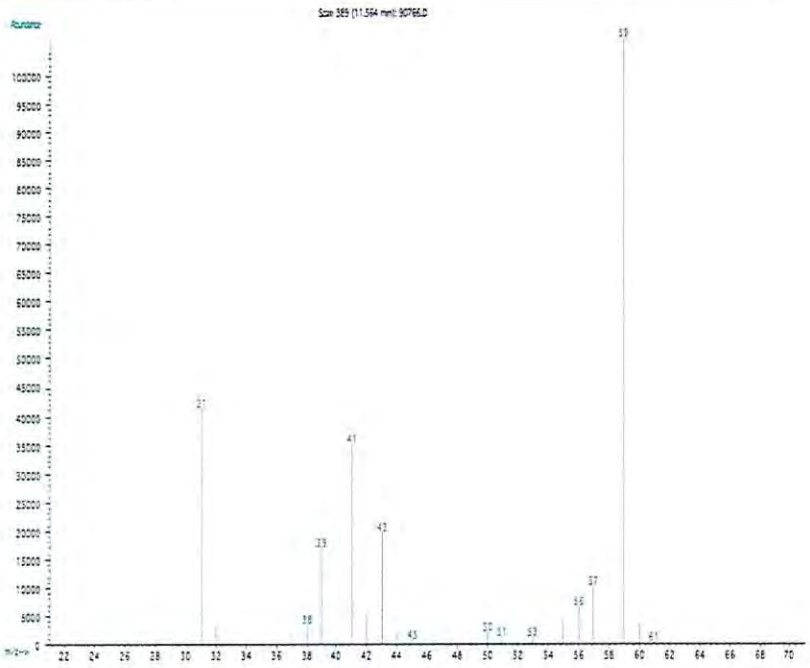
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Flask Uncertainty

Eli Aliaga		111120
Formulated By:	Eli Aliaga	DATE
Pedro Rentas		111120
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. tert-Butyl alcohol (t-Butanol)	988	21796PMV	20000	99	0.2	4.04024	4.04070	20002.3	81.6	75-65-0	100 ppm (300mg/m3/8H)	orl-rat 3500mg/kg

Method: GC6MSD-1. **Detector:** MSD. **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1=10min.), Temp. 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

Vinyl Acetate_00097

R2448

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0200199

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD220630	99%	5,036.0 µg/mL	+/- 174.0672

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

Vinyl Acetate_00099

R2484 11574468

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0200199

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD220630	99%	5,036.0 µg/mL	+/- 174.0672

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VMC21SU_00011

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19167
Lot Number: 030822
Description: CLP - Instrument Performance Check Solution
p-Bromofluorobenzene
Expiration Date: 030827
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2500
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EB373-US

R2384

MS 3/31/23 #10669421

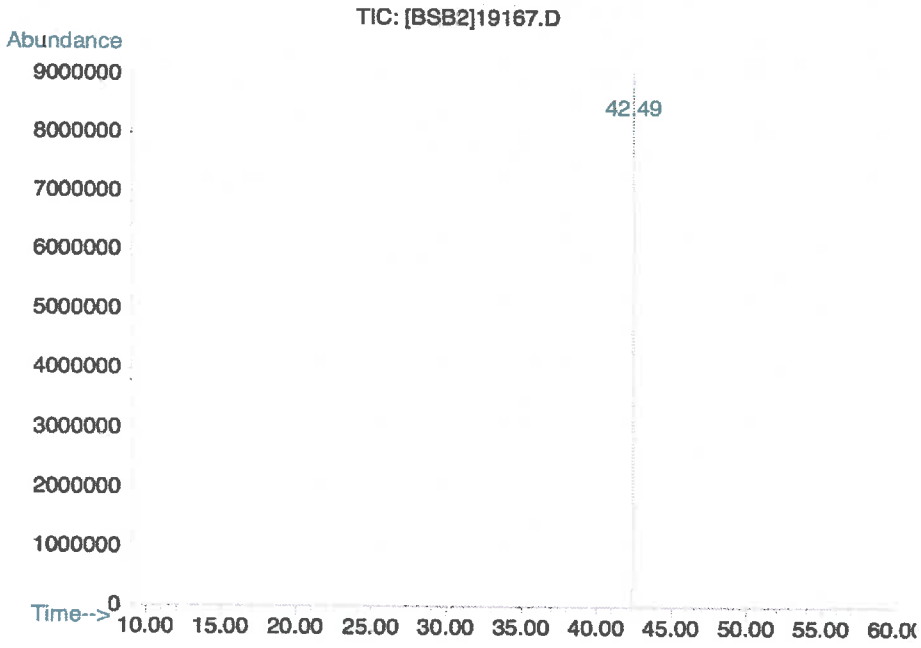
5E-05 Balance Uncertainty

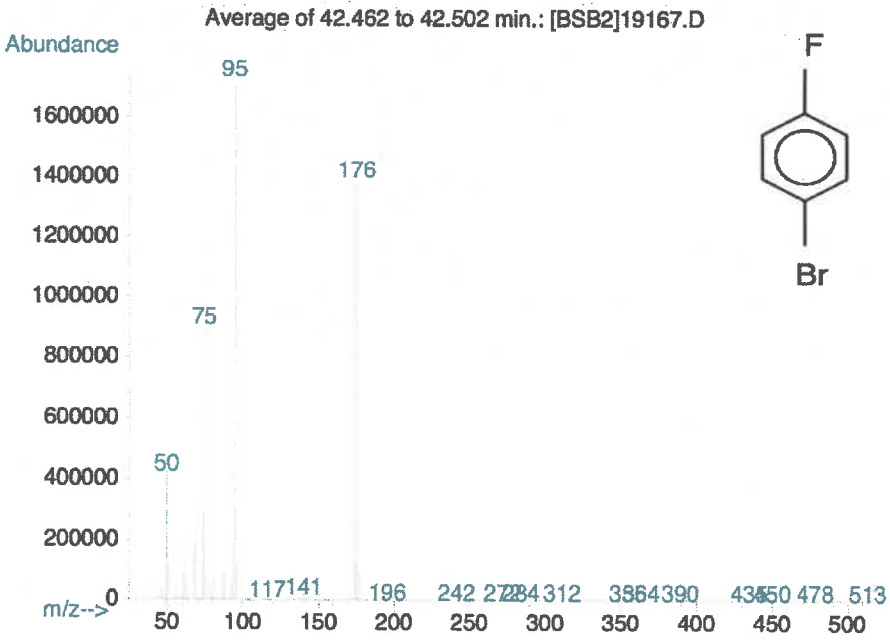
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

	030822
Formulated By: Benson Chan	DATE
	030822
Reviewed By: Pedro L. Rentas	DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	p-Bromofluorobenzene	48	01127COV	2500	99	0.2	0.25254	0.25286	2503.2	10.2	460-00-4	N/A	orl-rat 2700mg/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness).Temp. 1=35°C (10min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=220°C. Solvent vent time = 6 min. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
PL-C-4W-20240508-0 .75-3.2	460-303610-1	105	103	100	85
PL-C-1W-20240508-0 .75-4.1	460-303610-2	110	112	106	90
PL-C-5W-20240508-0 .75-7.8	460-303610-3	111	107	98	88
PL-C-2W-20240508-1 .7-7.4	460-303610-4	94	92	94	79
PL-C-3W-20240508-0 .85-3.2	460-303610-5	107	105	103	88
	MB 460-975195/10	104	103	103	89
	LCS 460-975195/4	101	102	103	91
	LCSD 460-975195/5	101	102	103	92
PL-C-4W-20240508-0 .75-3.2 MS	460-303610-1 MS	87	87	88	76

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-132
DCA = 1,2-Dichloroethane-d4 (Surr)	70-128
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	76-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J04413.D

Lab ID: LCS 460-975195/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	20.0	21.8	109	68-133	
1,2-Dichloroethane	20.0	18.9	94	66-129	
2-Butanone (MEK)	100	90.0	90	61-142	
Benzene	20.0	19.9	99	71-126	
Carbon tetrachloride	20.0	17.3	87	65-142	
Chlorobenzene	20.0	19.1	95	80-120	
Chloroform	20.0	19.5	97	78-125	
Tetrachloroethene	20.0	18.3	92	70-127	
Trichloroethene	20.0	18.1	90	51-121	
Vinyl chloride	20.0	20.2	101	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J04414.D

Lab ID: LCSD 460-975195/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethene	20.0	21.0	105	4	30	68-133	
1,2-Dichloroethane	20.0	18.6	93	2	30	66-129	
2-Butanone (MEK)	100	89.6	90	0	30	61-142	
Benzene	20.0	20.3	101	2	30	71-126	
Carbon tetrachloride	20.0	17.6	88	2	30	65-142	
Chlorobenzene	20.0	19.8	99	4	30	80-120	
Chloroform	20.0	19.8	99	2	30	78-125	
Tetrachloroethene	20.0	19.0	95	4	30	70-127	
Trichloroethene	20.0	18.1	91	0	30	51-121	
Vinyl chloride	20.0	19.4	97	4	30	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: J04440.D

Lab ID: 460-303610-1 MS Client ID: PL-C-4W-20240508-0.75-3.2 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethene	200	2.6 U	238	119	68-133	
1,2-Dichloroethane	200	4.3 U	205	102	66-129	
2-Butanone (MEK)	1000	19 U	866	87	61-142	
Benzene	200	2.0 U	214	107	71-126	
Carbon tetrachloride	200	2.1 U	194	97	65-142	
Chlorobenzene	200	3.8 U	211	105	80-120	
Chloroform	200	3.3 U	209	105	78-125	
Tetrachloroethene	200	2.5 U	200	100	70-127	
Trichloroethene	200	3.1 U	191	96	51-121	
Vinyl chloride	200	1.7 U	221	110	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab File ID: J04419.D Lab Sample ID: MB 460-975195/10

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS8 Date Analyzed: 05/16/2024 11:34

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-975195/4	J04413.D	05/16/2024 09:04
	LCSD 460-975195/5	J04414.D	05/16/2024 09:29
PL-C-4W-20240508-0.75-3.2	460-303610-1	J04432.D	05/16/2024 17:01
PL-C-1W-20240508-0.75-4.1	460-303610-2	J04433.D	05/16/2024 17:26
PL-C-5W-20240508-0.75-7.8	460-303610-3	J04434.D	05/16/2024 17:51
PL-C-2W-20240508-1.7-7.4	460-303610-4	J04435.D	05/16/2024 18:16
PL-C-3W-20240508-0.85-3.2	460-303610-5	J04436.D	05/16/2024 18:41
PL-C-4W-20240508-0.75-3.2 MS	460-303610-1 MS	J04440.D	05/16/2024 20:21

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

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab File ID: J02830.D BFB Injection Date: 04/03/2024

Instrument ID: CVOAMS8 BFB Injection Time: 15:59

Analysis Batch No.: 967428

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	121.5
96	5 - 9% of m/z 95	6.0
173	Less than 2% of m/z 174	0.3
174	50 - 200% of m/z 95	82.3
175	5 - 9% of m/z 174	7.6
176	95 -105% of m/z 174	97.7
177	5 - 10% of m/z 176	7.0

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
	STD1 460-967428/4	J02833.D	04/03/2024	17:55
	STD5 460-967428/5	J02834.D	04/03/2024	18:20
	STD20 460-967428/6	J02835.D	04/03/2024	18:46
	STD50 460-967428/7	J02836.D	04/03/2024	19:11
	STD200 460-967428/8	J02837.D	04/03/2024	19:36
	STD500 460-967428/9	J02838.D	04/03/2024	20:01
	STD7 460-967428/15	J02844.D	04/03/2024	22:32
	ICV 460-967428/16	J02845.D	04/03/2024	22:57

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

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: STD20 460-967428/6 Date Analyzed: 04/03/2024 18:46

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J02835.D Heated Purge: (Y/N) N

Calibration ID: 96481

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		242874	2.37	371826	3.28	677919	4.30
UPPER LIMIT		485748	2.87	743652	3.78	1355838	4.80
LOWER LIMIT		121437	1.87	185913	2.78	338960	3.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-967428/16		211140	2.38	328710	3.28	641340	4.30

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: STD20 460-967428/6 Date Analyzed: 04/03/2024 18:46

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J02835.D Heated Purge: (Y/N) N

Calibration ID: 96481

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		35596	5.00	489097	7.95	253747	10.34
UPPER LIMIT		71192	5.50	978194	8.45	507494	10.84
LOWER LIMIT		17798	4.50	244549	7.45	126874	9.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-967428/16		32862	5.00	483323	7.96	258825	10.35

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: CCVIS 460-975195/3 Date Analyzed: 05/16/2024 08:38

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J04412.D Heated Purge: (Y/N) N

Calibration ID: 96481

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		216660	2.37	345257	3.27	727113	4.28
UPPER LIMIT		433320	2.87	690514	3.77	1454226	4.78
LOWER LIMIT		108330	1.87	172629	2.77	363557	3.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-975195/4		223494	2.38	361790	3.28	750826	4.29
LCSD 460-975195/5		214343	2.37	342329	3.28	739198	4.29
MB 460-975195/10		228171	2.38	340978	3.27	687802	4.28
460-303610-1	PL-C-4W-20240508-0.75-3.2	218107	2.37	327390	3.27	673113	4.28
460-303610-2	PL-C-1W-20240508-0.75-4.1	210366	2.37	316970	3.27	645613	4.28
460-303610-3	PL-C-5W-20240508-0.75-7.8	194763	2.37	288268	3.27	610755	4.28
460-303610-4	PL-C-2W-20240508-1.7-7.4	214550	2.37	326152	3.27	678348	4.28
460-303610-5	PL-C-3W-20240508-0.85-3.2	202138	2.37	310028	3.27	664528	4.28
460-303610-1 MS	PL-C-4W-20240508-0.75-3.2 MS	233492	2.37	373864	3.27	731010	4.28

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: CCVIS 460-975195/3 Date Analyzed: 05/16/2024 08:38

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J04412.D Heated Purge: (Y/N) N

Calibration ID: 96481

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		27675	4.99	485964	7.94	237002	10.34
UPPER LIMIT		55350	5.49	971928	8.44	474004	10.84
LOWER LIMIT		13838	4.49	242982	7.44	118501	9.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-975195/4		27766	5.00	489364	7.94	226466	10.34
LCSD 460-975195/5		28089	4.99	481309	7.94	232576	10.34
MB 460-975195/10		26437	5.00	451796	7.94	215273	10.33
460-303610-1	PL-C-4W-20240508-0.75-3.2	25649	5.00	446728	7.94	209273	10.34
460-303610-2	PL-C-1W-20240508-0.75-4.1	24895	4.99	434461	7.94	204154	10.34
460-303610-3	PL-C-5W-20240508-0.75-7.8	24407	4.99	434380	7.94	203425	10.33
460-303610-4	PL-C-2W-20240508-1.7-7.4	24203	4.99	428050	7.94	205619	10.34
460-303610-5	PL-C-3W-20240508-0.85-3.2	23198	4.99	434467	7.94	205318	10.33
460-303610-1 MS	PL-C-4W-20240508-0.75-3.2 MS	26111	4.98	470966	7.93	220090	10.33

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
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 I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-4W-20240508-0.75-3.2 | Lab Sample ID: 460-303610-1

Matrix: Solid (TCLP) | Lab File ID: J04432.D

Analysis Method: 8260D | Date Collected: 05/08/2024 13:05

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 17:01

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	2.6	U	10	2.6
107-06-2	1,2-Dichloroethane	4.3	U	10	4.3
78-93-3	2-Butanone (MEK)	19	U	50	19
71-43-2	Benzene	2.0	U	10	2.0
56-23-5	Carbon tetrachloride	2.1	U	10	2.1
108-90-7	Chlorobenzene	3.8	U	10	3.8
67-66-3	Chloroform	3.3	U	10	3.3
127-18-4	Tetrachloroethene	2.5	U	10	2.5
79-01-6	Trichloroethene	3.1	U	10	3.1
75-01-4	Vinyl chloride	1.7	U	10	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-128
460-00-4	4-Bromofluorobenzene	85		76-120
1868-53-7	Dibromofluoromethane (Surr)	105		77-132
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04432.D
Lims ID: 460-303610-E-1-B
Client ID: PL-C-4W-20240508-0.75-3.2
Sample Type: Client
Inject. Date: 16-May-2024 17:01:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-1-B
Misc. Info.: 460-0175969-023
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:57:54 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:57:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.371	2.372	-0.001	75	218107	1000.0	
* 43 2-Butanone-d5	46	3.272	3.272	0.000	86	327390	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.692	3.698	-0.006	95	181162	52.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.020	4.027	-0.007	0	183318	51.6	
* 66 Fluorobenzene	96	4.282	4.282	0.000	99	673113	50.0	
* 72 1,4-Dioxane-d8	96	4.999	4.988	0.011	0	25649	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.985	5.986	-0.001	99	516869	50.1	
* 94 Chlorobenzene-d5	117	7.938	7.944	-0.006	86	446728	50.0	
$ 105 4-Bromofluorobenzene	174	9.276	9.283	-0.007	91	139423	42.7	
* 121 1,4-Dichlorobenzene-d4	152	10.335	10.335	0.000	96	209273	50.0	

Reagents:

8260ISNEW_00203 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00246 Amount Added: 1.00 Units: uL Run Reagent

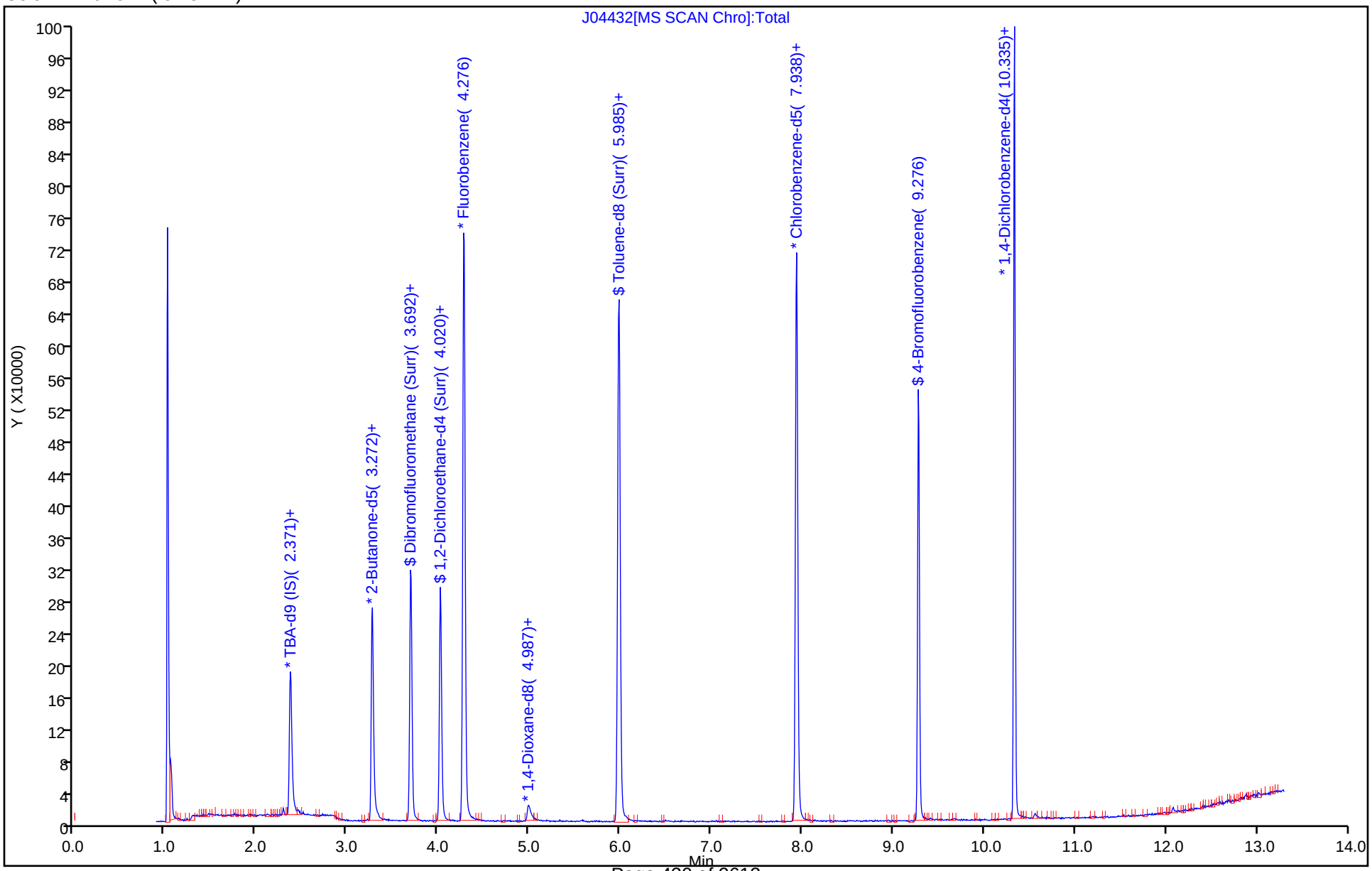
Report Date: 16-May-2024 18:57:55 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04432.D

Injection Date:	16-May-2024 17:01:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-303610-E-1-B	Lab Sample ID:	460-303610-1	Worklist Smp#:	23
Client ID:	PL-C-4W-20240508-0.75-3.2				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	22
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04432.D
Lims ID: 460-303610-E-1-B
Client ID: PL-C-4W-20240508-0.75-3.2
Sample Type: Client
Inject. Date: 16-May-2024 17:01:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-1-B
Misc. Info.: 460-0175969-023
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:57:54 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:57:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	52.6	105.13
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	51.6	103.26
$ 83 Toluene-d8 (Surr)	50.0	50.1	100.27
$ 105 4-Bromofluorobenzene	50.0	42.7	85.42

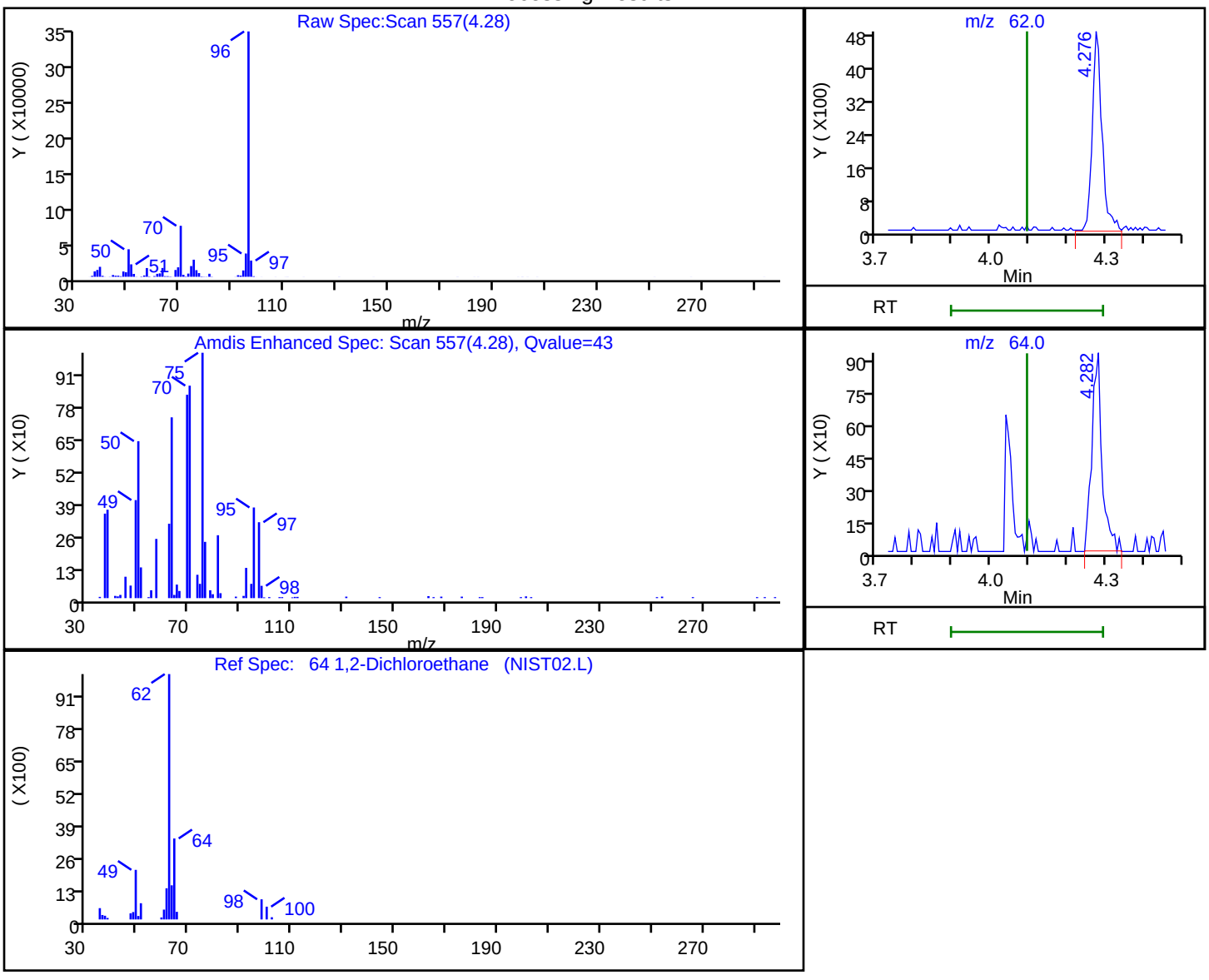
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04432.D				
Injection Date:	16-May-2024 17:01:30	Instrument ID:	CVOAMS8		
Lims ID:	460-303610-E-1-B	Lab Sample ID:	460-303610-1		
Client ID:	PL-C-4W-20240508-0.75-3.2				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.28	62.00	8575	2.275174
4.28	64.00	1751	

Reviewer: XE5L, 16-May-2024 18:57:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-1W-20240508-0.75-4.1 | Lab Sample ID: 460-303610-2

Matrix: Solid (TCLP) | Lab File ID: J04433.D

Analysis Method: 8260D | Date Collected: 05/08/2024 12:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 17:26

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	2.6	U	10	2.6
107-06-2	1,2-Dichloroethane	4.3	U	10	4.3
78-93-3	2-Butanone (MEK)	19	U	50	19
71-43-2	Benzene	2.0	U	10	2.0
56-23-5	Carbon tetrachloride	2.1	U	10	2.1
108-90-7	Chlorobenzene	3.8	U	10	3.8
67-66-3	Chloroform	3.3	U	10	3.3
127-18-4	Tetrachloroethene	2.5	U	10	2.5
79-01-6	Trichloroethene	3.1	U	10	3.1
75-01-4	Vinyl chloride	1.7	U	10	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		70-128
460-00-4	4-Bromofluorobenzene	90		76-120
1868-53-7	Dibromofluoromethane (Surr)	110		77-132
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04433.D
Lims ID: 460-303610-E-2-A
Client ID: PL-C-1W-20240508-0.75-4.1
Sample Type: Client
Inject. Date: 16-May-2024 17:26:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-2-A
Misc. Info.: 460-0175969-024
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:57:54 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:58:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.372	2.372	0.000	76	210366	1000.0	
* 43 2-Butanone-d5	46	3.267	3.272	-0.005	86	316970	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.693	3.698	-0.005	95	181742	55.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.021	4.027	-0.006	0	190276	55.9	
* 66 Fluorobenzene	96	4.277	4.282	-0.005	98	645613	50.0	
* 72 1,4-Dioxane-d8	96	4.988	4.988	0.000	0	24895	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.986	5.986	0.000	99	532096	53.1	
* 94 Chlorobenzene-d5	117	7.939	7.944	-0.005	86	434461	50.0	
$ 105 4-Bromofluorobenzene	174	9.277	9.283	-0.006	90	142676	44.9	
* 121 1,4-Dichlorobenzene-d4	152	10.336	10.335	0.001	96	204154	50.0	

Reagents:

8260ISNEW_00203 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00246 Amount Added: 1.00 Units: uL Run Reagent

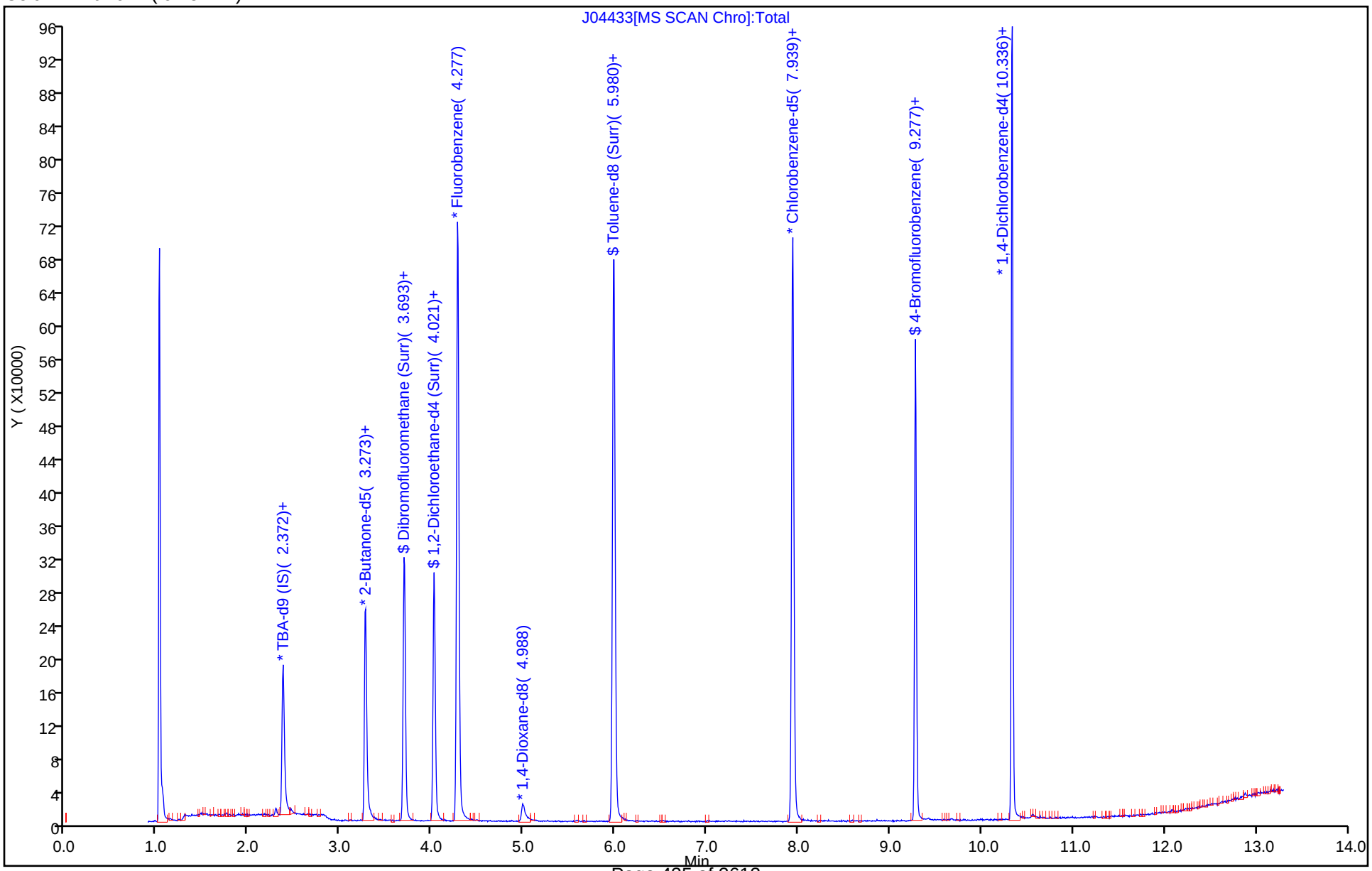
Report Date: 16-May-2024 18:58:05 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04433.D

Injection Date:	16-May-2024 17:26:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-303610-E-2-A	Lab Sample ID:	460-303610-2	Worklist Smp#:	24
Client ID:	PL-C-1W-20240508-0.75-4.1				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	23
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04433.D
Lims ID: 460-303610-E-2-A
Client ID: PL-C-1W-20240508-0.75-4.1
Sample Type: Client
Inject. Date: 16-May-2024 17:26:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-2-A
Misc. Info.: 460-0175969-024
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:57:54 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:58:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	55.0	109.96
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	55.9	111.75
$ 83 Toluene-d8 (Surr)	50.0	53.1	106.14
$ 105 4-Bromofluorobenzene	50.0	44.9	89.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-5W-20240508-0.75-7.8 | Lab Sample ID: 460-303610-3

Matrix: Solid (TCLP) | Lab File ID: J04434.D

Analysis Method: 8260D | Date Collected: 05/08/2024 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 17:51

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	2.6	U	10	2.6
107-06-2	1,2-Dichloroethane	4.3	U	10	4.3
78-93-3	2-Butanone (MEK)	19	U	50	19
71-43-2	Benzene	2.0	U	10	2.0
56-23-5	Carbon tetrachloride	2.1	U	10	2.1
108-90-7	Chlorobenzene	3.8	U	10	3.8
67-66-3	Chloroform	3.3	U	10	3.3
127-18-4	Tetrachloroethene	2.5	U	10	2.5
79-01-6	Trichloroethene	3.1	U	10	3.1
75-01-4	Vinyl chloride	1.7	U	10	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		70-128
460-00-4	4-Bromofluorobenzene	88		76-120
1868-53-7	Dibromofluoromethane (Surr)	111		77-132
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04434.D
Lims ID: 460-303610-E-3-A
Client ID: PL-C-5W-20240508-0.75-7.8
Sample Type: Client
Inject. Date: 16-May-2024 17:51:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-3-A
Misc. Info.: 460-0175969-025
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:58:13 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:58:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.368	2.372	-0.004	75	194763	1000.0	
* 43 2-Butanone-d5	46	3.269	3.272	-0.003	86	288268	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.695	3.698	-0.003	96	173556	55.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.023	4.027	-0.004	0	172173	53.4	
* 66 Fluorobenzene	96	4.279	4.282	-0.003	99	610755	50.0	
* 72 1,4-Dioxane-d8	96	4.990	4.988	0.002	0	24407	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.982	5.986	-0.004	99	492155	49.1	
* 94 Chlorobenzene-d5	117	7.935	7.944	-0.009	86	434380	50.0	
$ 105 4-Bromofluorobenzene	174	9.279	9.283	-0.004	90	139768	44.0	
* 121 1,4-Dichlorobenzene-d4	152	10.332	10.335	-0.003	96	203425	50.0	

Reagents:

8260ISNEW_00203 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00246 Amount Added: 1.00 Units: uL Run Reagent

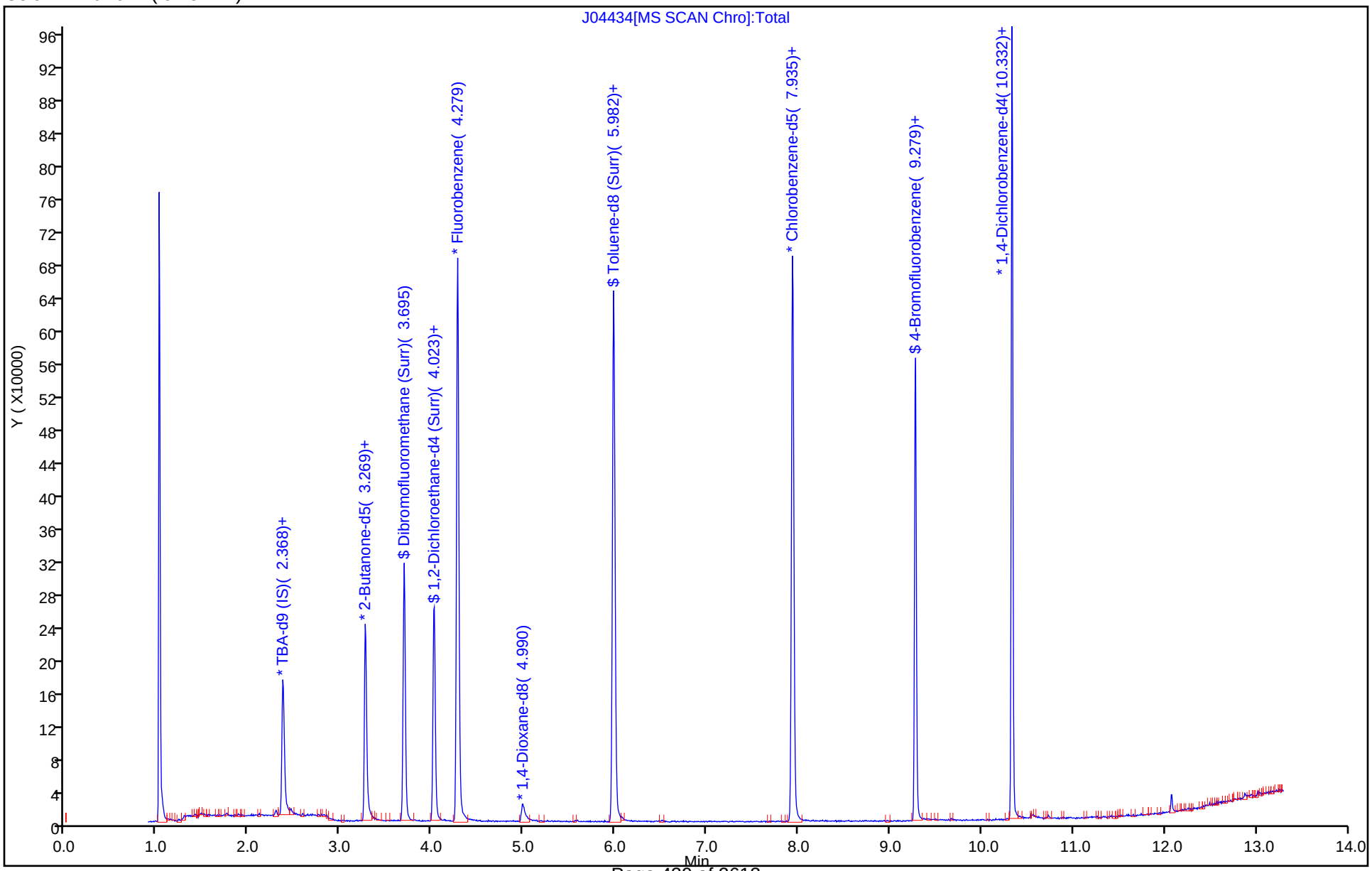
Report Date: 16-May-2024 18:58:13 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04434.D

Injection Date:	16-May-2024 17:51:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-303610-E-3-A	Lab Sample ID:	460-303610-3	Worklist Smp#:	25
Client ID:	PL-C-5W-20240508-0.75-7.8				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	24
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04434.D
Lims ID: 460-303610-E-3-A
Client ID: PL-C-5W-20240508-0.75-7.8
Sample Type: Client
Inject. Date: 16-May-2024 17:51:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-3-A
Misc. Info.: 460-0175969-025
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:58:13 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:58:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	55.5	111.00
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	53.4	106.89
$ 83 Toluene-d8 (Surr)	50.0	49.1	98.19
$ 105 4-Bromofluorobenzene	50.0	44.0	88.06

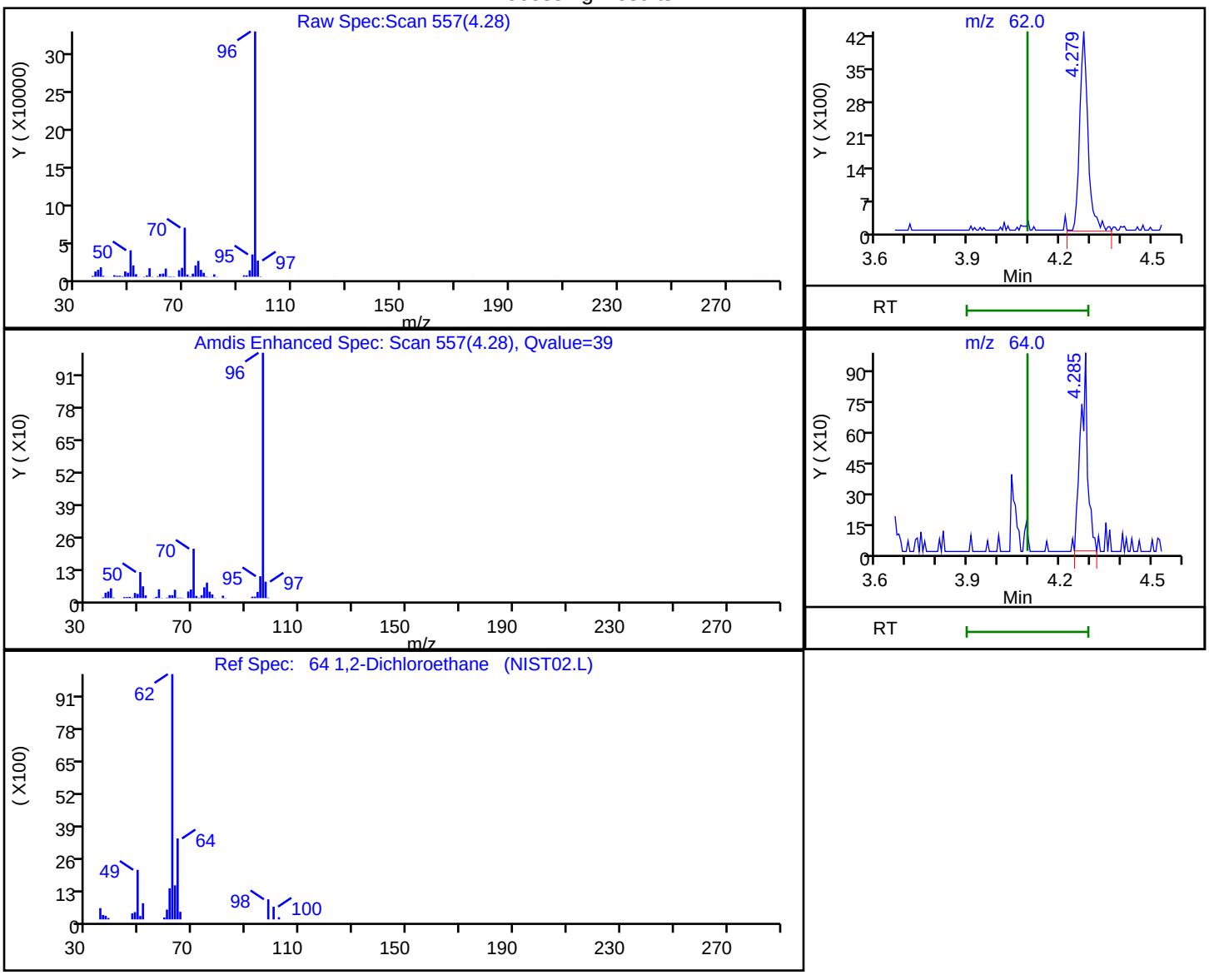
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04434.D		
Injection Date:	16-May-2024 17:51:30	Instrument ID:	CVOAMS8
Lims ID:	460-303610-E-3-A	Lab Sample ID:	460-303610-3
Client ID:	PL-C-5W-20240508-0.75-7.8		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.28	62.00	7989	2.336113
4.28	64.00	1601	

Reviewer: XE5L, 16-May-2024 18:58:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-2W-20240508-1.7-7.4 | Lab Sample ID: 460-303610-4

Matrix: Solid (TCLP) | Lab File ID: J04435.D

Analysis Method: 8260D | Date Collected: 05/08/2024 10:10

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 18:16

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	2.6	U	10	2.6
107-06-2	1,2-Dichloroethane	4.3	U	10	4.3
78-93-3	2-Butanone (MEK)	19	U	50	19
71-43-2	Benzene	2.0	U	10	2.0
56-23-5	Carbon tetrachloride	2.1	U	10	2.1
108-90-7	Chlorobenzene	3.8	U	10	3.8
67-66-3	Chloroform	3.3	U	10	3.3
127-18-4	Tetrachloroethene	2.5	U	10	2.5
79-01-6	Trichloroethene	3.1	U	10	3.1
75-01-4	Vinyl chloride	1.7	U	10	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-128
460-00-4	4-Bromofluorobenzene	79		76-120
1868-53-7	Dibromofluoromethane (Surr)	94		77-132
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04435.D
Lims ID: 460-303610-E-4-A
Client ID: PL-C-2W-20240508-1.7-7.4
Sample Type: Client
Inject. Date: 16-May-2024 18:16:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-4-A
Misc. Info.: 460-0175969-026
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:58:13 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:58:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.371	2.372	-0.001	75	214550	1000.0	
* 43 2-Butanone-d5	46	3.272	3.272	0.000	86	326152	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.691	3.698	-0.007	95	164025	47.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.020	4.027	-0.007	0	164364	45.9	
* 66 Fluorobenzene	96	4.275	4.282	-0.007	99	678348	50.0	
* 72 1,4-Dioxane-d8	96	4.987	4.988	-0.001	0	24203	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.979	5.986	-0.007	99	462516	46.8	
* 94 Chlorobenzene-d5	117	7.938	7.944	-0.006	86	428050	50.0	
$ 105 4-Bromofluorobenzene	174	9.276	9.283	-0.007	91	122797	39.3	
* 121 1,4-Dichlorobenzene-d4	152	10.335	10.335	0.000	96	205619	50.0	

Reagents:

8260ISNEW_00203 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00246 Amount Added: 1.00 Units: uL Run Reagent

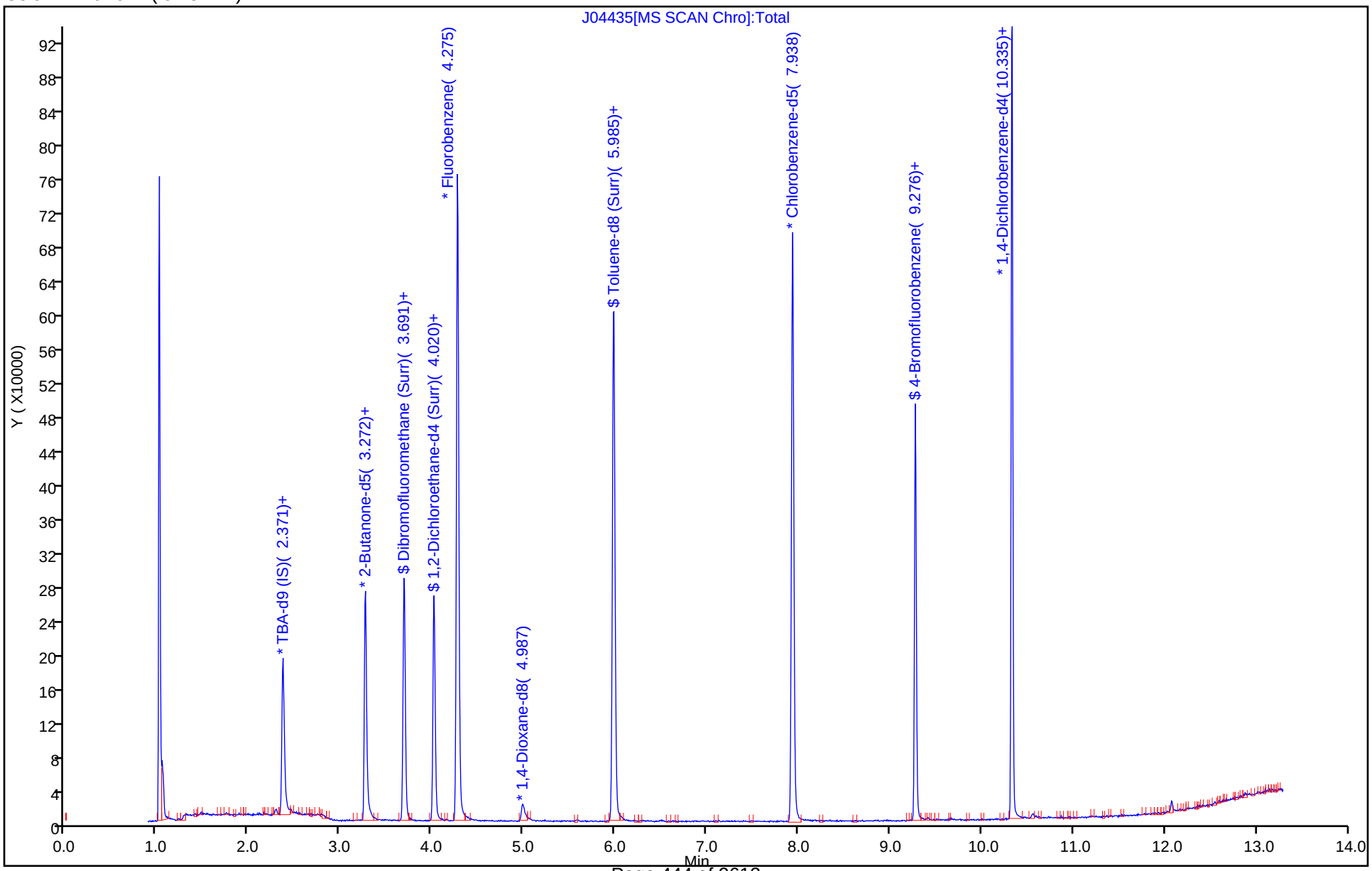
Report Date: 16-May-2024 18:58:19 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04435.D

Injection Date:	16-May-2024 18:16:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-303610-E-4-A	Lab Sample ID:	460-303610-4	Worklist Smp#:	26
Client ID:	PL-C-2W-20240508-1.7-7.4				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	25
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04435.D
Lims ID: 460-303610-E-4-A
Client ID: PL-C-2W-20240508-1.7-7.4
Sample Type: Client
Inject. Date: 16-May-2024 18:16:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-4-A
Misc. Info.: 460-0175969-026
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:58:13 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:58:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	47.2	94.45
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	45.9	91.87
$ 83 Toluene-d8 (Surr)	50.0	46.8	93.64
$ 105 4-Bromofluorobenzene	50.0	39.3	78.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-3W-20240508-0.85-3.2 | Lab Sample ID: 460-303610-5

Matrix: Solid (TCLP) | Lab File ID: J04436.D

Analysis Method: 8260D | Date Collected: 05/08/2024 08:50

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 18:41

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	2.6	U	10	2.6
107-06-2	1,2-Dichloroethane	4.3	U	10	4.3
78-93-3	2-Butanone (MEK)	19	U	50	19
71-43-2	Benzene	2.0	U	10	2.0
56-23-5	Carbon tetrachloride	2.1	U	10	2.1
108-90-7	Chlorobenzene	3.8	U	10	3.8
67-66-3	Chloroform	3.3	U	10	3.3
127-18-4	Tetrachloroethene	2.5	U	10	2.5
79-01-6	Trichloroethene	3.1	U	10	3.1
75-01-4	Vinyl chloride	1.7	U	10	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-128
460-00-4	4-Bromofluorobenzene	88		76-120
1868-53-7	Dibromofluoromethane (Surr)	107		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04436.D
Lims ID: 460-303610-E-5-A
Client ID: PL-C-3W-20240508-0.85-3.2
Sample Type: Client
Inject. Date: 16-May-2024 18:41:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-5-A
Misc. Info.: 460-0175969-027
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:58:13 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:58:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.371	2.372	-0.001	75	202138	1000.0	
* 43 2-Butanone-d5	46	3.271	3.272	-0.001	86	310028	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.691	3.698	-0.007	95	181393	53.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.020	4.027	-0.007	0	183880	52.5	
* 66 Fluorobenzene	96	4.281	4.282	-0.001	99	664528	50.0	
* 72 1,4-Dioxane-d8	96	4.987	4.988	-0.001	0	23198	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.978	5.986	-0.008	99	517800	51.6	
* 94 Chlorobenzene-d5	117	7.937	7.944	-0.007	86	434467	50.0	
$ 105 4-Bromofluorobenzene	174	9.276	9.283	-0.007	90	139575	44.0	
* 121 1,4-Dichlorobenzene-d4	152	10.334	10.335	-0.001	96	205318	50.0	

Reagents:

8260ISNEW_00203 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00246 Amount Added: 1.00 Units: uL Run Reagent

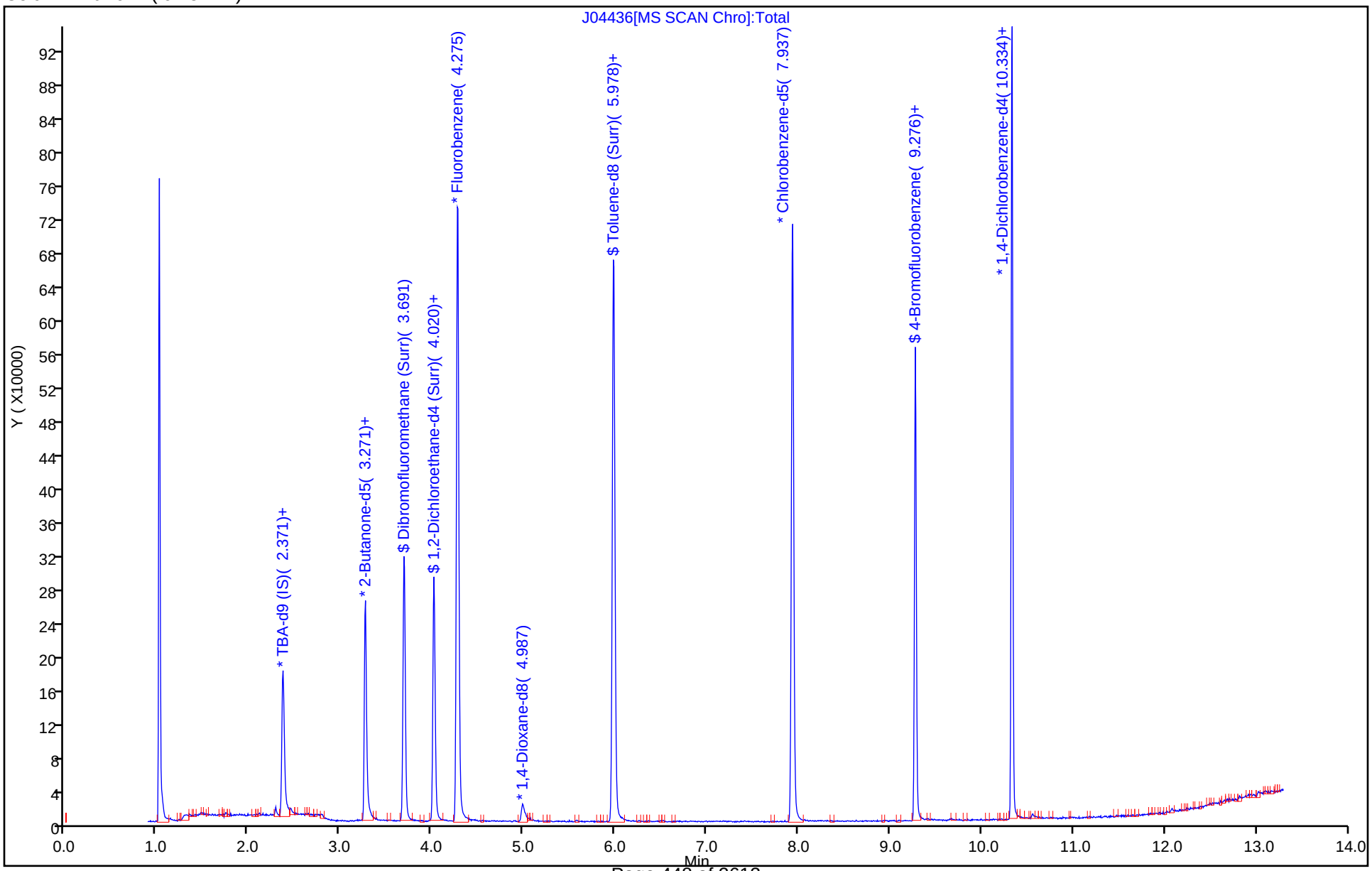
Report Date: 16-May-2024 18:58:40 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04436.D

Injection Date:	16-May-2024 18:41:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-303610-E-5-A	Lab Sample ID:	460-303610-5	Worklist Smp#:	27
Client ID:	PL-C-3W-20240508-0.85-3.2				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	26
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04436.D
Lims ID: 460-303610-E-5-A
Client ID: PL-C-3W-20240508-0.85-3.2
Sample Type: Client
Inject. Date: 16-May-2024 18:41:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-5-A
Misc. Info.: 460-0175969-027
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:58:13 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 18:58:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	53.3	106.62
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	52.5	104.92
$ 83 Toluene-d8 (Surr)	50.0	51.6	103.28
$ 105 4-Bromofluorobenzene	50.0	44.0	87.93

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 Calibration End Date: 04/03/2024 22:32 Calibration ID: 96481

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-967428/15	J02844.D
Level 2	STD1 460-967428/4	J02833.D
Level 3	STD5 460-967428/5	J02834.D
Level 4	STD20 460-967428/6	J02835.D
Level 5	STD50 460-967428/7	J02836.D
Level 6	STD200 460-967428/8	J02837.D
Level 7	STD500 460-967428/9	J02838.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0138	0.0121 0.0130	0.0176	0.0177	0.0167	Qua2	-0.005	0.0177	-0.000011						0.9960		0.9900
Dichlorodifluoromethane	+++++ 0.2263	0.1926 0.2258	0.1740	0.2058	0.1962	Ave		0.2034			0.1000	10.0		20.0			
Chlorodifluoromethane	+++++ 0.0299	0.0345 0.0316	0.0378	0.0333	0.0327	Ave		0.0333				8.1		20.0			
Chloromethane	+++++ 0.2417	0.2767 0.2509	0.2348	0.2648	0.2607	Ave		0.2549			0.1000	6.1		20.0			
Vinyl chloride	+++++ 0.2015	0.2414 0.1994	0.2070	0.2332	0.2225	Ave		0.2175			0.1000	8.1		20.0			
Butadiene	0.2748 0.2241	0.2516 0.2061	0.2137	0.2579	0.2562	Ave		0.2406				10.7		20.0			
Bromomethane	+++++ 0.1346	0.1670 0.1443	0.1431	0.1438	0.1390	Ave		0.1453			0.1000	7.8		20.0			
Chloroethane	+++++ 0.0955	0.1437 0.0950	0.1159	0.1103	0.1079	Ave		0.1114			0.1000	16.0		20.0			
Dichlorofluoromethane	+++++ 0.3144	0.3942 0.2937	0.3387	0.3624	0.3407	Ave		0.3407				10.4		20.0			
Trichlorofluoromethane	+++++ 0.2676	0.2843 0.2597	0.2513	0.3039	0.2976	Ave		0.2774			0.1000	7.6		20.0			
Pentane	+++++ 0.2820	0.3965 0.2559	0.2820	0.2989	0.2995	Ave		0.3025				16.1		20.0			
Ethanol	+++++ 0.0419	0.0309 0.0411	0.0519	0.0360	0.0406	Ave		0.0404				17.3		20.0			
Ethyl ether	+++++ 0.1484	0.2731 0.1445	0.1782	0.1594	0.1507	Lin2	0.1249	0.1491							0.9990		0.9900

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 Calibration End Date: 04/03/2024 22:32 Calibration ID: 96481

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-1,3-butadiene	+++++ 0.1813	0.1488 0.1780	0.1622	0.1787	0.1827	Ave		0.1719				7.9		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.1588	0.1649 0.1529	0.1568	0.1556	0.1475	Ave		0.1561				3.7		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3007	0.2830 0.2783	0.2985	0.2950	0.2715	Ave		0.2878				4.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1900	0.1734 0.1936	0.1782	0.2008	0.1954	Ave		0.1885			0.1000	5.6		20.0			
Acrolein	+++++ 1.7326	1.0890 1.6412	1.6272	1.5745	1.5353	Ave		1.5333				14.9		20.0			
1,1-Dichloroethene	+++++ 0.1784	0.1761 0.1699	0.1769	0.1929	0.1775	Ave		0.1786			0.1000	4.3		20.0			
Acetone	+++++ 0.4986	0.6990 0.5079	0.5154	0.4910	0.4831	Ave		0.5325			0.0500	15.5		20.0			
Iodomethane	+++++ 0.2523	0.2290 0.2324	0.1974	0.2231	0.2437	Ave		0.2296				8.3		20.0			
Isopropyl alcohol	+++++ 0.5376	0.7136 0.5578	0.5558	0.4964	0.5312	Ave		0.5654				13.4		20.0			
Carbon disulfide	+++++ 0.6290	0.8389 0.5831	0.7319	0.7432	0.7142	Ave		0.7067			0.1000	12.8		20.0			
3-Chloro-1-propene	+++++ 0.1103	0.1406 0.0943	0.1211	0.1143	0.1146	Ave		0.1158				13.0		20.0			
Methyl acetate	+++++ 7.9807	6.3312 7.8308	7.7671	7.1653	7.0050	Ave		7.3467			0.1000	8.6		20.0			
Cyclopentene	+++++ 0.4006	0.3977 0.3960	0.4226	0.4492	0.4077	Ave		0.4123				5.0		20.0			
Acetonitrile	+++++ 1.3417	0.8971 1.3672	1.2043	1.3915	1.3622	Ave		1.2607				15.1		20.0			
Methylene Chloride	+++++ 0.1734	0.2532 0.1580	0.2227	0.2103	0.1987	Ave		0.2027			0.1000	16.9		20.0			
2-Methyl-2-propanol	+++++ 0.7425	0.8742 0.7723	0.7767	0.7267	0.7693	Ave		0.7769				6.6		20.0			
Methyl tert-butyl ether	+++++ 0.4987	0.4878 0.4917	0.4902	0.4703	0.4629	Ave		0.4836			0.1000	2.9		20.0			
trans-1,2-Dichloroethene	+++++ 0.2052	0.2481 0.1954	0.2212	0.2166	0.2045	Ave		0.2152			0.1000	8.6		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 Calibration End Date: 04/03/2024 22:32 Calibration ID: 96481

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrylonitrile	4.6511 4.0263	4.0545 3.7177	3.6966	3.7964	4.0480	Ave		3.9986				8.2		20.0			
Hexane	+++++ 0.2062	0.1966 0.2119	0.1882	0.1928	0.1935	Ave		0.1982				4.5		20.0			
Isopropyl ether	+++++ 0.6964	0.8119 0.6450	0.6809	0.6719	0.6092	Ave		0.6859				10.1		20.0			
1,1-Dichloroethane	+++++ 0.4139	0.4422 0.3532	0.4508	0.4494	0.4101	Ave		0.4199			0.2000	8.9		20.0			
Vinyl acetate	+++++ 0.4152	0.4388 0.3532	0.4289	0.3811	0.2767	Ave		0.3823				15.9		20.0			
2-Chloro-1,3-butadiene	+++++ 0.1897	0.1966 0.1852	0.1843	0.1872	0.1861	Ave		0.1882				2.4		20.0			
Tert-butyl ethyl ether	+++++ 0.6449	0.5624 0.6254	0.5895	0.5925	0.5844	Ave		0.5998				5.0		20.0			
2,2-Dichloropropane	+++++ 0.0966	0.1310 0.0970	0.1075	0.1044	0.1015	Ave		0.1063				12.0		20.0			
cis-1,2-Dichloroethene	+++++ 0.2385	0.2911 0.2261	0.2654	0.2534	0.2365	Ave		0.2518			0.1000	9.4		20.0			
2-Butanone (MEK)	+++++ 0.1993	0.2810 0.1979	0.2009	0.1954	0.2000	Ave		0.2124			0.0500	15.8		20.0			
Ethyl acetate	+++++ 0.2030	0.2248 0.2132	0.1928	0.1860	0.1845	Ave		0.2007				8.0		20.0			
Methyl acrylate	+++++ 0.1740	0.1694 0.1710	0.1749	0.1739	0.1583	Ave		0.1702				3.7		20.0			
Propionitrile	+++++ 1.8176	1.6646 1.7996	1.6459	1.6719	1.7059	Ave		1.7176				4.3		20.0			
Chlorobromomethane	+++++ 0.1047	0.1284 0.1014	0.1223	0.1253	0.1164	Ave		0.1164				9.6		20.0			
Tetrahydrofuran	+++++ 0.2034	0.2713 0.2110	0.1719	0.2071	0.2149	Ave		0.2133				15.2		20.0			
Methacrylonitrile	+++++ 0.0780	0.0918 0.0697	0.0889	0.0851	0.0806	Ave		0.0824				9.8		20.0			
Chloroform	+++++ 0.3865	0.4687 0.3776	0.4218	0.4187	0.3867	Ave		0.4100			0.2000	8.3		20.0			
Cyclohexane	+++++ 0.2742	0.3157 0.2833	0.2531	0.2839	0.2827	Ave		0.2821			0.1000	7.2		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 Calibration End Date: 04/03/2024 22:32 Calibration ID: 96481

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 0.3135	0.3907 0.3165	0.3010	0.3269	0.3155	Ave		0.3274			0.1000	9.8		20.0			
Carbon tetrachloride	+++++ 0.2734	0.2725 0.2816	0.2626	0.2805	0.2729	Ave		0.2739			0.1000	2.5		20.0			
1,1-Dichloropropene	+++++ 0.3065	0.2705 0.3129	0.2789	0.2936	0.2964	Ave		0.2931				5.5		20.0			
Isobutyl alcohol	+++++ 0.6552	0.5941 0.6593	0.5919	0.6208	0.5918	Ave		0.6189				5.1		20.0			
Isooctane	+++++ 0.3858	0.3520 0.4055	0.3689	0.3858	0.3680	Ave		0.3777				4.9		20.0			
Benzene	+++++ 1.3257	1.2760 1.3377	1.2188	1.2209	1.2451	Ave		1.2707			0.5000	4.1		20.0			
Isopropyl acetate	+++++ 0.5563	0.6452 0.5293	0.6174	0.5589	0.5129	Ave		0.5700				9.0		20.0			
Tert-amyl methyl ether	+++++ 0.1290	0.1242 0.1261	0.1671	0.1297	0.1201	Ave		0.1327				13.0		20.0			
1,2-Dichloroethane	+++++ 0.2737	0.2934 0.2661	0.2859	0.2865	0.2742	Ave		0.2800			0.1000	3.6		20.0			
n-Heptane	+++++ 0.0843	0.1323 0.0833	0.0839	0.0857	0.0822	Lin2	0.0495	0.0814							0.9980		0.9900
n-Butanol	+++++ 0.2553	+++++ 0.2545	0.1521	0.1902	0.2299	Lin2	-12.36	0.2438							0.9940		0.9900
Trichloroethene	+++++ 0.2366	0.2457 0.2357	0.2225	0.2364	0.2329	Ave		0.2350			0.2000	3.2		20.0			
Methylcyclohexane	+++++ 0.2694	0.2556 0.2792	0.2532	0.2498	0.2600	Ave		0.2612			0.1000	4.3		20.0			
Ethyl acrylate	+++++ 0.4703	0.4987 0.4525	0.4649	0.4484	0.4515	Ave		0.4644				4.1		20.0			
1,2-Dichloropropane	+++++ 0.2498	0.2559 0.2431	0.2361	0.2398	0.2435	Ave		0.2447			0.1000	2.9		20.0			
Methyl methacrylate	+++++ 0.0430	0.0587 0.0406	0.0538	0.0462	0.0434	Ave		0.0476				14.9		20.0			
1,4-Dioxane	+++++ 0.6603	0.8139 0.8583	0.8908	0.6768	0.7161	Ave		0.7694				12.7		20.0			
Dibromomethane	+++++ 0.1455	0.1897 0.1397	0.1583	0.1546	0.1519	Ave		0.1566				11.2		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 Calibration End Date: 04/03/2024 22:32 Calibration ID: 96481

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Propyl acetate	+++++ 0.2846	0.3520 0.2601	0.3057	0.2883	0.2787	Ave		0.2949				10.7		20.0			
Dichlorobromomethane	+++++ 0.3018	0.3035 0.2927	0.3165	0.3012	0.2956	Ave		0.3019			0.2000	2.7		20.0			
2-Nitropropane	+++++ 3.6592	3.4443 3.4901	3.1807	2.9545	3.2175	Ave		3.3244				7.6		20.0			
2-Chloroethyl vinyl ether	+++++ 0.0781	0.1068 0.0667	0.0911	0.0907	0.0888	Ave		0.0870				15.5		20.0			
Epichlorohydrin	0.1962 0.1620	0.1795 0.1602	0.1561	0.1601	0.1701	Ave		0.1692				8.5		20.0			
cis-1,3-Dichloropropene	+++++ 0.5784	0.5014 0.5971	0.5179	0.5253	0.5265	Ave		0.5411			0.2000	7.0		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 1.7012	1.8496 1.5954	1.8471	1.7681	1.7888	Ave		1.7584			0.0500	5.5		20.0			
Toluene	+++++ 1.2221	1.3246 1.2048	1.1725	1.1702	1.1775	Ave		1.2119			0.4000	4.9		20.0			
trans-1,3-Dichloropropene	+++++ 0.4938	0.4881 0.4974	0.4726	0.4526	0.4510	Ave		0.4759			0.1000	4.3		20.0			
Ethyl methacrylate	+++++ 0.2262	0.2585 0.1960	0.2688	0.2685	0.2414	Ave		0.2432				11.7		20.0			
1,1,2-Trichloroethane	+++++ 0.2667	0.2692 0.2685	0.2476	0.2424	0.2362	Ave		0.2551			0.1000	5.8		20.0			
Tetrachloroethene	+++++ 0.3059	0.2847 0.3229	0.2824	0.2805	0.2849	Ave		0.2936			0.2000	5.8		20.0			
1,3-Dichloropropane	+++++ 0.4661	0.3944 0.4668	0.4531	0.4149	0.4322	Ave		0.4379				6.7		20.0			
2-Hexanone	+++++ 0.6412	0.5884 0.5819	0.7014	0.7138	0.6956	Ave		0.6537			0.0500	9.0		20.0			
n-Butyl acetate	+++++ 0.4291	0.3780 0.3826	0.4311	0.4733	0.4397	Ave		0.4223				8.6		20.0			
Chlorodibromomethane	+++++ 0.3466	0.3222 0.3471	0.3241	0.3238	0.3229	Ave		0.3311			0.1000	3.7		20.0			
Ethylene Dibromide	+++++ 0.3110	0.3187 0.3062	0.3111	0.2992	0.2976	Ave		0.3073			0.1000	2.6		20.0			
Chlorobenzene	+++++ 0.7507	0.7599 0.7516	0.7642	0.7424	0.7404	Ave		0.7515			0.5000	1.2		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 Calibration End Date: 04/03/2024 22:32 Calibration ID: 96481

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	+++++ 0.3870	0.4314 0.3799	0.3881	0.3940	0.3833	Ave		0.3939			0.1000	4.8		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.2958	0.2964 0.2985	0.2768	0.2643	0.2707	Ave		0.2837				5.3		20.0			
m-Xylene & p-Xylene	+++++ 0.4787	0.5296 0.4607	0.4767	0.4847	0.4782	Ave		0.4848			0.1000	4.8		20.0			
o-Xylene	+++++ 0.4638	0.4825 0.4439	0.4587	0.4713	0.4742	Ave		0.4657			0.3000	2.9		20.0			
n-Butyl acrylate	+++++ 0.2192	0.2694 0.2016	0.2383	0.2301	0.2246	Ave		0.2305				9.8		20.0			
Styrene	+++++ 0.8120	0.8023 0.7834	0.7904	0.8238	0.8131	Ave		0.8041			0.3000	1.9		20.0			
Bromoform	+++++ 0.2251	0.2406 0.2251	0.2321	0.2185	0.2223	Ave		0.2273			0.1000	3.5		20.0			
Amyl acetate (mixed isomers)	+++++ 0.9549	1.1851 0.8347	1.0641	1.0412	1.0097	Ave		1.0149				11.5		20.0			
Isopropylbenzene	+++++ 0.9885	1.0810 0.9533	0.9988	1.0159	1.0058	Ave		1.0072			0.1000	4.2		20.0			
Bromobenzene	+++++ 0.6629	0.6786 0.6166	0.6635	0.6544	0.6453	Ave		0.6536				3.2		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6892	0.7187 0.6278	0.6867	0.7159	0.6595	Ave		0.6829			0.3000	5.1		20.0			
N-Propylbenzene	+++++ 2.5153	2.5975 2.2881	2.4241	2.5368	2.4988	Ave		2.4768				4.4		20.0			
1,2,3-Trichloropropane	+++++ 0.1549	0.1519 0.1464	0.1716	0.1611	0.1542	Ave		0.1567				5.6		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1938	0.2547 0.1786	0.1802	0.1935	0.1925	Ave		0.1989				14.2		20.0			
2-Chlorotoluene	+++++ 1.7672	1.8947 1.6857	1.7691	1.7761	1.7742	Ave		1.7778				3.8		20.0			
4-Ethyltoluene	+++++ 2.0464	2.3043 1.9264	2.0533	2.0622	2.0533	Ave		2.0743				6.0		20.0			
1,3,5-Trimethylbenzene	+++++ 1.7101	1.7996 1.6482	1.7670	1.7611	1.7106	Ave		1.7328				3.1		20.0			
4-Chlorotoluene	+++++ 1.7383	1.7734 1.7236	1.6337	1.6918	1.6975	Ave		1.7097				2.8		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 Calibration End Date: 04/03/2024 22:32 Calibration ID: 96481

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Butyl Methacrylate	+++++ 0.6821	0.7755 0.6624	0.7365	0.7280	0.6954	Ave		0.7133				5.8		20.0			
tert-Butylbenzene	+++++ 1.2960	1.4891 1.2493	1.3426	1.3491	1.3340	Ave		1.3434				6.0		20.0			
1,2,4-Trimethylbenzene	+++++ 1.7311	2.0283 1.7095	1.8311	1.8367	1.7761	Ave		1.8188				6.3		20.0			
sec-Butylbenzene	+++++ 1.9602	2.0640 1.8412	1.9371	1.9101	1.9573	Ave		1.9450				3.7		20.0			
1,3-Dichlorobenzene	+++++ 1.1309	1.1249 1.0909	1.0878	1.0741	1.0952	Ave		1.1006			0.6000	2.0		20.0			
4-Isopropyltoluene	+++++ 1.6989	1.8016 1.6377	1.6290	1.6769	1.6659	Ave		1.6850				3.7		20.0			
1,4-Dichlorobenzene	+++++ 1.1510	1.1984 1.1561	1.1385	1.1232	1.1155	Ave		1.1471			0.5000	2.6		20.0			
1,2,3-Trimethylbenzene	+++++ 1.9064	2.1391 1.8833	2.0058	1.9787	1.9283	Ave		1.9736				4.7		20.0			
Benzyl chloride	+++++ 1.2250	1.2719 1.1929	1.2417	1.2120	1.2382	Ave		1.2303				2.2		20.0			
Indan	+++++ 1.9419	1.9991 1.8234	1.9283	1.8979	1.9310	Ave		1.9203				3.0		20.0			
p-Diethylbenzene	+++++ 0.9281	1.0098 1.0182	0.9530	0.9750	0.9816	Ave		0.9776				3.5		20.0			
n-Butylbenzene	+++++ 0.7815	0.9496 0.8362	0.7738	0.8142	0.8052	Ave		0.8267				7.8		20.0			
1,2-Dichlorobenzene	+++++ 1.0860	1.1095 1.1097	1.0774	1.0558	1.0694	Ave		1.0846			0.4000	2.0		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.6478	1.6832 1.6816	1.6641	1.6725	1.6330	Ave		1.6637				1.2		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1434	0.1975 0.1553	0.1580	0.1394	0.1414	Ave		0.1558			0.0500	14.0		20.0			
1,3,5-Trichlorobenzene	+++++ 0.7384	0.7703 0.7958	0.6851	0.7033	0.7095	Ave		0.7337				5.8		20.0			
1,2,4-Trichlorobenzene	+++++ 0.7221	0.6919 0.7761	0.6189	0.6770	0.6972	Ave		0.6972			0.2000	7.4		20.0			
Hexachlorobutadiene	+++++ 0.2390	0.2615 0.2825	0.2192	0.2223	0.2367	Ave		0.2435				10.0		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 Calibration End Date: 04/03/2024 22:32 Calibration ID: 96481

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	+++++ 1.8994	1.8107 1.9299	1.7287	1.7736	1.8308	Ave		1.8289				4.1		20.0			
1,2,3-Trichlorobenzene	+++++ 0.6689	0.5780 0.7025	0.6065	0.6014	0.6396	Ave		0.6328				7.4		20.0			
Dibromofluoromethane (Surr)	0.2825 0.2437	0.2639 0.2329	0.2570	0.2619	0.2503	Ave		0.2560				6.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2825 0.2569	0.2684 0.2453	0.2715	0.2666	0.2551	Ave		0.2637				4.7		20.0			
Toluene-d8 (Surr)	1.1120 1.1927	1.1546 1.1941	1.1554	1.1202	1.1484	Ave		1.1539				2.7		20.0			
4-Bromofluorobenzene	0.3599 0.3676	0.3634 0.3559	0.3638	0.3708	0.3762	Ave		0.3654				1.9		20.0			

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

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 | Calibration End Date: 04/03/2024 22:32 | Calibration ID: 96481

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-967428/15	J02844.D
Level 2	STD1 460-967428/4	J02833.D
Level 3	STD5 460-967428/5	J02834.D
Level 4	STD20 460-967428/6	J02835.D
Level 5	STD50 460-967428/7	J02836.D
Level 6	STD200 460-967428/8	J02837.D
Level 7	STD500 460-967428/9	J02838.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
Chlorotrifluoroethene	FB	Qua2	+++++ 41366	162 97158	1203	4799	11631	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 680629	2570 1684749	11896	55817	136444	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	+++++ 90039	461 235446	2586	9039	22778	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 726965	3693 1871917	16056	71813	181329	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 606058	3221 1487280	14158	63233	154743	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	866 674227	3358 1537791	14615	69926	178163	0.250 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 404891	2229 1076560	9784	38983	96702	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 287176	1917 708806	7924	29902	75047	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 945832	5260 2190982	23162	98261	236962	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 804816	3794 1937787	17186	82399	207015	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	FB	Ave	+++++ 1696594	10581 3818083	38564	162087	416659	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd9	Ave	+++++ 70237	335 171458	2719	6990	17687	+++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Lin2	+++++ 446393	3644 1078027	12188	43225	104848	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 545317	1985 1327574	11089	48454	127104	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 477691	2201 1140359	10724	42203	102596	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++	3776	20413	80001	188828	+++++	1.00	5.00	20.0	50.0

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 | Calibration End Date: 04/03/2024 22:32 | Calibration ID: 96481

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
			904496	2076174				200	500			
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 571416	2314 1444164	12182	54450	135874	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	+++++ 72669	1180 136899	8525	15296	33458	+++++ 200	4.00 400	20.0	40.0	100
1,1-Dichloroethene	FB	Ave	+++++ 536666	2350 1267522	12097	52308	123444	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 740118	5340 1735616	19987	73020	168411	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 758815	3056 1733808	13497	60494	169493	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 225456	1933 581606	7280	24114	57875	+++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 1891879	11194 4350167	50045	201521	496762	+++++ 200	1.00 500	5.00	20.0	50.0
3-Chloro-1-propene	FB	Ave	+++++ 331767	1876 703160	8279	30999	79678	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	TBAd9	Ave	+++++ 669447	3430 1632994	20346	69611	152654	+++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	+++++ 1205024	5307 2953968	28898	121807	283550	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd9	Ave	+++++ 562741	2430 1425582	15773	67591	148427	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 521515	3379 1178433	15226	57016	138170	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 311395	2368 805217	10173	35300	83820	+++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	+++++ 1499904	6510 3668196	33521	127531	321958	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 617162	3311 1457438	15124	58743	142216	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	TBAd9	Ave	2318 1688678	10983 3876312	48416	184411	441071	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 620300	2624 1580682	12871	52282	134548	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 2094691	10835 4811916	46559	182197	423738	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1244868	5901 2634782	30829	121866	285248	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++	11711	58656	206658	384891	+++++	2.00	10.0	40.0	100

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 | Calibration End Date: 04/03/2024 22:32 | Calibration ID: 96481

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
			2497793	5269468				400	1000			
2-Chloro-1,3-butadiene	FB	Ave	+++++ 570480	2623 1381878	12604	50763	129448	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 1939888	7505 4665961	40307	160660	406434	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 290696	1748 723319	7353	28300	70595	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 717273	3884 1687061	18146	68715	164518	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	+++++ 295889	2147 676327	7792	29055	69728	+++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Ave	+++++ 120521	687 291385	2991	11068	25725	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 523376	2260 1275728	11962	47144	110100	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd9	Ave	+++++ 762338	4509 1876337	21557	81212	185874	+++++ 2000	10.0 5000	50.0	200	500
Chlorobromomethane	FB	Ave	+++++ 314877	1713 756696	8364	33988	80928	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++ 120768	829 288434	2666	12320	29970	+++++ 400	2.00 1000	10.0	40.0	100
Methacrylonitrile	FB	Ave	+++++ 2345822	12256 5200916	60819	230872	560783	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 1162517	6255 2816848	28842	113529	268959	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 824818	4213 2113546	17305	76972	196605	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 942948	5214 2361311	20584	88645	219454	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 822266	3637 2101007	17960	76059	189841	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 921802	3610 2334603	19071	79618	206164	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	+++++ 687046	4023 1718653	19380	75392	161203	+++++ 5000	25.0 12500	125	500	1250
Isooctane	FB	Ave	+++++ 1160473	4697 3024969	25228	104625	255941	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZd5	Ave	+++++ 2634175	12490 6264614	60376	238852	609207	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++	8610	42218	151564	356756	+++++	1.00	5.00	20.0	50.0

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 | Calibration End Date: 04/03/2024 22:32 | Calibration ID: 96481

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
			1673268	3948830				200	500			
Tert-amyl methyl ether	FB	Ave	+++++ 388044	1657 940768	11423	35183	83545	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 823339	3915 1985316	19551	77676	190705	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Lin2	+++++ 253459	1765 621692	5740	23235	57173	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Lin2	+++++ 267665	+++++ 663381	4979	23101	62632	+++++ 5000	+++++ 12500	125	500	1250
Trichloroethene	FB	Ave	+++++ 711597	3279 1758534	15215	64104	161980	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 810354	3411 2082759	17316	67742	180830	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 1414555	6655 3375604	31792	121585	313993	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 751277	3415 1813262	16146	65026	169372	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 258674	1566 605827	7352	25082	60379	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 94822	1349 249645	2870	9637	25665	+++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	+++++ 437694	2531 1042511	10828	41910	105643	+++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	+++++ 855956	4697 1940638	20902	78188	193858	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 907659	4050 2183854	21640	81664	205594	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	TBAd9	Ave	+++++ 306941	1866 727806	8332	28703	70117	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	+++++ 235334	1428 498938	6244	24643	61925	+++++ 200	1.00 501	5.01	20.0	50.1
Epichlorohydrin	BUT	Ave	1352 961959	5486 2189419	24212	95265	237187	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 1149317	4908 2796396	25655	102762	257611	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 2525370	14131 5452392	71633	262972	623548	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZd5	Ave	+++++ 2428216	12966 5642267	58083	228933	576128	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 | Calibration End Date: 04/03/2024 22:32 | Calibration ID: 96481

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
trans-1,3-Dichloropropene	CBNZd5	Ave	+++++ 981098	4778 2329596	23411	88555	220668	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	Ave	+++++ 680435	3449 1462482	18382	72821	167909	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 529898	2635 1257334	12266	47422	115549	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZd5	Ave	+++++ 607866	2787 1512435	13989	54878	139383	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZd5	Ave	+++++ 926074	3861 2186150	22446	81172	211464	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 951821	4495 1988566	27202	106164	242480	+++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZd5	Ave	+++++ 852520	3700 1791642	21354	92594	215139	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZd5	Ave	+++++ 688692	3154 1625354	16054	63352	157971	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZd5	Ave	+++++ 617861	3120 1434165	15413	58542	145595	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZd5	Ave	+++++ 1491580	7438 3519931	37859	145240	362243	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZd5	Ave	+++++ 768930	4223 1779051	19227	77078	187530	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	+++++ 587744	2901 1397762	13710	51709	132444	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZd5	Ave	+++++ 951236	5184 2157415	23614	94831	233973	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZd5	Ave	+++++ 921471	4723 2078847	22724	92213	232002	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZd5	Ave	+++++ 435568	2637 944086	11803	45010	109887	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 | Calibration End Date: 04/03/2024 22:32 | Calibration ID: 96481

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
Styrene	CBNZd5	Ave	+++++ 1613361	7853 3668993	39153	161169	397798	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZd5	Ave	+++++ 447219	2355 1054182	11500	42751	108741	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd4	Ave	+++++ 969033	5882 2128117	26728	105684	257528	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZd5	Ave	+++++ 1964056	10581 4464788	49479	198759	492083	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd4	Ave	+++++ 672696	3368 1572156	16667	66422	164585	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	+++++ 699367	3567 1600597	17248	72666	168207	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd4	Ave	+++++ 2552457	12892 5833695	60890	257481	637355	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	+++++ 157214	754 373352	4310	16355	39320	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++ 196691	1264 455275	4526	19644	49109	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	+++++ 1793281	9404 4297906	44438	180273	452538	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd4	Ave	+++++ 2076611	11437 4911733	51577	209312	523730	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	+++++ 1735403	8932 4202335	44385	178754	436304	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	+++++ 1763951	8802 4394456	41037	171711	432966	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd4	Ave	+++++ 692142	3849 1688927	18500	73894	177360	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	+++++ 1315194	7391 3185275	33723	136930	340258	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd4	Ave	+++++ 1756647	10067 4358617	45994	186420	453012	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	+++++ 1989165	10244 4694276	48656	193871	499225	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	+++++ 1147600	5583 2781447	27323	109023	279351	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd4	Ave	+++++ 1723964	8942 4175463	40917	170206	424915	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	+++++	5948	28598	114000	284528	+++++	1.00	5.00	20.0	50.0

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 | Calibration End Date: 04/03/2024 22:32 | Calibration ID: 96481

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
			1167968	2947503				200	500			
1,2,3-Trimethylbenzene	DCBd4	Ave	+++++ 1934519	10617 4801613	50384	200833	491832	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd4	Ave	+++++ 1243069	6313 3041568	31189	123017	315822	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd4	Ave	+++++ 1970597	9922 4648950	48437	192639	492526	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd4	Ave	+++++ 941800	5012 2595970	23938	98960	250365	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd4	Ave	+++++ 793011	4713 2132057	19436	82638	205381	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	+++++ 1102015	5507 2829398	27063	107161	272776	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd4	Ave	+++++ 1672197	8354 4287546	41801	169761	416531	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	+++++ 145544	980 395873	3968	14146	36055	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	+++++ 749356	3823 2029046	17210	71384	180959	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	+++++ 732722	3434 1978887	15546	68716	177818	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	+++++ 242534	1298 720256	5505	22564	60366	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd4	Ave	+++++ 1927510	8987 4920453	43423	180021	466971	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	+++++ 678733	2869 1791049	15234	61040	163151	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	178029 183222	176060 173758	175718	177545	174065	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	178004 193177	179095 182975	185642	180703	177431	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZd5	Ave	546681 592447	565094 559224	572335	547881	561882	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZd5	Ave	176944 182619	177843 166670	180198	181376	184055	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967428

SDG No.:

Instrument ID: CVOAMS8 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2024 17:55 | Calibration End Date: 04/03/2024 22:32 | Calibration ID: 96481

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-967428/15	J02844.D
Level 2	STD1 460-967428/4	J02833.D
Level 3	STD5 460-967428/5	J02834.D
Level 4	STD20 460-967428/6	J02835.D
Level 5	STD50 460-967428/7	J02836.D
Level 6	STD200 460-967428/8	J02837.D
Level 7	STD500 460-967428/9	J02838.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl ether	+++++	-0.7						30				
n-Heptane	+++++	1.7						30				
n-Butanol	+++++	+++++	2.9						30			

Report Date: 04-Apr-2024 11:03:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02833.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Apr-2024 17:55:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0174171-004
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub73

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 04-Apr-2024 11:03:28 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: HVW2 Date: 03-Apr-2024 23:17:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.130	1.125	0.005	46	162	1.00	0.9874	a
4 Dichlorodifluoromethane	85	1.149	1.150	-0.001	97	2570	1.00	0.9466	
5 Chlorodifluoromethane	67	1.167	1.168	-0.001	63	461	1.00	1.04	M
6 Chloromethane	50	1.276	1.277	-0.001	99	3693	1.00	1.09	
7 Vinyl chloride	62	1.337	1.338	-0.001	97	3221	1.00	1.11	
8 Butadiene	54	1.349	1.350	-0.001	97	3358	1.00	1.05	
9 Bromomethane	94	1.544	1.545	-0.001	90	2229	1.00	1.15	
10 Chloroethane	64	1.605	1.600	0.005	97	1917	1.00	1.29	
12 Dichlorofluoromethane	67	1.721	1.721	0.000	94	5260	1.00	1.16	
11 Trichlorofluoromethane	101	1.733	1.727	0.006	94	3794	1.00	1.02	
13 Pentane	43	1.757	1.758	-0.001	96	10581	2.00	2.62	
14 Ethanol	46	1.860	1.855	0.005	27	335	40.0	30.6	
15 Ethyl ether	59	1.897	1.898	-0.001	91	3644	1.00	0.99	
16 2-Methyl-1,3-butadiene	53	1.921	1.916	0.005	87	1985	1.00	0.8652	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.927	1.928	-0.001	80	2201	1.00	1.06	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.970	1.965	0.005	91	3776	1.00	0.9831	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.019	2.019	0.000	96	2314	1.00	0.9197	
19 Acrolein	56	2.031	2.026	0.005	71	1180	4.00	2.84	
21 1,1-Dichloroethene	96	2.055	2.056	-0.001	95	2350	1.00	0.9859	
22 Acetone	43	2.122	2.117	0.005	84	5340	5.00	6.56	M
23 Iodomethane	142	2.177	2.172	0.005	97	3056	1.00	1.00	
25 Isopropyl alcohol	45	2.177	2.178	-0.001	53	1933	10.0	12.6	
24 Carbon disulfide	76	2.201	2.202	-0.001	99	11194	1.00	1.19	
26 3-Chloro-1-propene	76	2.292	2.293	-0.001	95	1876	1.00	1.21	
28 Methyl acetate	43	2.298	2.299	-0.001	97	3430	2.00	1.72	
27 Cyclopentene	67	2.311	2.311	0.000	93	5307	1.00	0.9646	
29 Acetonitrile	41	2.347	2.342	0.005	95	2430	10.0	7.12	
* 30 TBA-d9 (IS)	65	2.378	2.372	0.006	74	270881	1000.0	1000.0	
31 Methylene Chloride	84	2.396	2.397	-0.001	92	3379	1.00	1.25	
32 2-Methyl-2-propanol	59	2.432	2.433	-0.001	91	2368	10.0	11.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.517	2.512	0.005	97	6510	1.00	1.01	
34 trans-1,2-Dichloroethene	96	2.542	2.543	-0.001	95	3311	1.00	1.15	
35 Acrylonitrile	53	2.603	2.597	0.006	93	10983	10.0	10.1	
36 Hexane	57	2.663	2.664	-0.001	63	2624	1.00	0.99	
37 Isopropyl ether	45	2.834	2.835	-0.001	85	10835	1.00	1.18	
38 1,1-Dichloroethane	63	2.864	2.865	-0.001	98	5901	1.00	1.05	
39 Vinyl acetate	43	2.876	2.877	-0.001	90	11711	2.00	2.30	
40 2-Chloro-1,3-butadiene	88	2.907	2.908	-0.001	86	2623	1.00	1.04	
41 Tert-butyl ethyl ether	59	3.108	3.102	0.006	88	7505	1.00	0.9376	
* 43 2-Butanone-d5	46	3.278	3.279	-0.001	87	381998	250.0	250.0	
42 2,2-Dichloropropane	79	3.284	3.285	-0.001	72	1748	1.00	1.23	
44 cis-1,2-Dichloroethene	96	3.314	3.315	-0.001	96	3884	1.00	1.16	
46 2-Butanone (MEK)	72	3.339	3.327	0.012	95	2147	5.00	6.61	
45 Ethyl acetate	70	3.339	3.333	0.006	92	687	2.00	2.24	
47 Methyl acrylate	55	3.387	3.382	0.005	92	2260	1.00	0.99	
48 Propionitrile	54	3.448	3.443	0.005	96	4509	10.0	9.69	
50 Chlorobromomethane	128	3.515	3.516	-0.001	89	1713	1.00	1.10	
49 Tetrahydrofuran	72	3.533	3.522	0.011	52	829	2.00	2.54	
51 Methacrylonitrile	67	3.546	3.540	0.006	94	12256	10.0	11.1	
52 Chloroform	83	3.564	3.565	-0.001	98	6255	1.00	1.14	
53 Cyclohexane	84	3.679	3.680	-0.001	92	4213	1.00	1.12	
54 1,1,1-Trichloroethane	97	3.698	3.692	0.006	93	5214	1.00	1.19	
$ 55 Dibromofluoromethane (Surr)	113	3.710	3.705	0.005	97	176060	50.0	51.5	
56 Carbon tetrachloride	117	3.801	3.802	-0.001	94	3637	1.00	0.99	
57 1,1-Dichloropropene	75	3.832	3.832	0.000	92	3610	1.00	0.9228	
58 Isobutyl alcohol	43	3.984	3.966	0.018	69	4023	25.0	24.0	
59 Isooctane	57	3.984	3.984	0.000	83	4697	1.00	0.9320	
60 Benzene	78	4.020	4.015	0.005	96	12490	1.00	1.00	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.032	4.033	-0.001	0	179095	50.0	50.9	
62 Isopropyl acetate	43	4.087	4.076	0.011	91	8610	1.00	1.13	
63 Tert-amyl methyl ether	55	4.087	4.082	0.005	75	1657	1.00	0.9357	
64 1,2-Dichloroethane	62	4.111	4.106	0.005	95	3915	1.00	1.05	
65 n-Heptane	57	4.166	4.167	-0.001	81	1765	1.00	1.02	
* 66 Fluorobenzene	96	4.294	4.295	-0.001	98	667222	50.0	50.0	
68 Trichloroethene	95	4.635	4.641	-0.006	94	3279	1.00	1.05	
69 Methylcyclohexane	83	4.750	4.757	-0.007	86	3411	1.00	0.9786	
70 Ethyl acrylate	55	4.774	4.769	0.005	93	6655	1.00	1.07	a
71 1,2-Dichloropropane	63	4.933	4.927	0.006	90	3415	1.00	1.05	
* 72 1,4-Dioxane-d8	96	5.006	5.000	0.006	0	33150	1000.0	1000.0	
73 Methyl methacrylate	100	5.030	5.019	0.011	96	1566	2.00	2.46	
75 1,4-Dioxane	88	5.066	5.055	0.011	37	1349	50.0	52.9	
74 Dibromomethane	93	5.060	5.061	-0.001	94	2531	1.00	1.21	
76 n-Propyl acetate	43	5.091	5.079	0.012	94	4697	1.00	1.19	
77 Dichlorobromomethane	83	5.225	5.219	0.006	97	4050	1.00	1.01	
78 2-Nitropropane	41	5.571	5.572	-0.001	63	1866	2.00	2.07	M
79 2-Chloroethyl vinyl ether	63	5.596	5.584	0.012	51	1428	1.00	1.23	a
80 Epichlorohydrin	57	5.699	5.688	0.011	95	5486	20.0	21.2	
81 cis-1,3-Dichloropropene	75	5.748	5.749	-0.001	92	4908	1.00	0.9266	
82 4-Methyl-2-pentanone (MIBK)	43	5.936	5.925	0.011	94	14131	5.00	5.26	
$ 83 Toluene-d8 (Surr)	98	5.997	5.998	-0.001	99	565094	50.0	50.0	
84 Toluene	91	6.082	6.083	-0.001	92	12966	1.00	1.09	
85 trans-1,3-Dichloropropene	75	6.484	6.485	-0.001	94	4778	1.00	1.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.539	6.527	0.012	91	3449	1.00	1.06	
87 1,1,2-Trichloroethane	83	6.715	6.710	0.005	91	2635	1.00	1.06	
88 Tetrachloroethene	166	6.745	6.746	-0.001	93	2787	1.00	0.9699	
89 1,3-Dichloropropane	76	6.940	6.941	-0.001	96	3861	1.00	0.9007	
90 2-Hexanone	58	7.050	7.032	0.018	99	4495	5.00	4.50	
91 n-Butyl acetate	43	7.202	7.178	0.024	93	3700	1.00	0.8951	M
92 Chlorodibromomethane	129	7.202	7.196	0.006	96	3154	1.00	0.9732	
93 Ethylene Dibromide	107	7.366	7.361	0.005	98	3120	1.00	1.04	
* 94 Chlorobenzene-d5	117	7.956	7.951	0.005	86	489420	50.0	50.0	
95 Chlorobenzene	112	7.993	7.987	0.006	94	7438	1.00	1.01	
96 Ethylbenzene	106	8.102	8.103	-0.001	98	4223	1.00	1.10	
97 1,1,1,2-Tetrachloroethane	131	8.114	8.115	-0.001	92	2901	1.00	1.04	
98 m-Xylene & p-Xylene	106	8.254	8.249	0.005	0	5184	1.00	1.09	
99 o-Xylene	106	8.704	8.705	-0.001	92	4723	1.00	1.04	
100 n-Butyl acrylate	73	8.735	8.730	0.005	96	2637	1.00	1.17	
101 Styrene	104	8.747	8.742	0.005	96	7853	1.00	1.00	
103 Bromoform	173	8.960	8.955	0.005	96	2355	1.00	1.06	
102 Amyl acetate (mixed isomers)	43	8.984	8.973	0.011	86	5882	1.00	1.17	
104 Isopropylbenzene	105	9.094	9.088	0.006	94	10581	1.00	1.07	
$ 105 4-Bromofluorobenzene	174	9.294	9.289	0.005	95	177843	50.0	49.7	
106 Bromobenzene	156	9.422	9.417	0.005	95	3368	1.00	1.04	
107 1,1,2,2-Tetrachloroethane	83	9.489	9.490	-0.001	97	3567	1.00	1.05	
108 N-Propylbenzene	91	9.501	9.502	-0.001	98	12892	1.00	1.05	
109 1,2,3-Trichloropropane	110	9.526	9.526	0.000	91	754	1.00	0.9695	M
110 trans-1,4-Dichloro-2-butene	53	9.556	9.551	0.005	73	1264	1.00	1.28	a
111 2-Chlorotoluene	91	9.599	9.599	0.000	96	9404	1.00	1.07	
112 4-Ethyltoluene	105	9.617	9.612	0.005	98	11437	1.00	1.11	
113 1,3,5-Trimethylbenzene	105	9.684	9.679	0.005	91	8932	1.00	1.04	
114 4-Chlorotoluene	91	9.714	9.709	0.005	98	8802	1.00	1.04	
115 Butyl Methacrylate	87	9.799	9.800	-0.001	93	3849	1.00	1.09	
116 tert-Butylbenzene	119	9.964	9.958	0.006	93	7391	1.00	1.11	
117 1,2,4-Trimethylbenzene	105	10.024	10.019	0.005	97	10067	1.00	1.12	
118 sec-Butylbenzene	105	10.158	10.153	0.005	99	10244	1.00	1.06	
120 1,3-Dichlorobenzene	146	10.280	10.281	-0.001	96	5583	1.00	1.02	
119 4-Isopropyltoluene	119	10.292	10.287	0.005	98	8942	1.00	1.07	
* 121 1,4-Dichlorobenzene-d4	152	10.347	10.342	0.005	96	248164	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.365	10.366	-0.001	90	5948	1.00	1.04	
123 1,2,3-Trimethylbenzene	105	10.383	10.384	-0.001	97	10617	1.00	1.08	
124 Benzyl chloride	91	10.499	10.494	0.005	98	6313	1.00	1.03	
125 2,3-Dihydroindene	117	10.548	10.548	0.000	95	9922	1.00	1.04	
126 p-Diethylbenzene	119	10.608	10.609	-0.001	90	5012	1.00	1.03	
127 n-Butylbenzene	92	10.633	10.628	0.005	97	4713	1.00	1.15	
128 1,2-Dichlorobenzene	146	10.675	10.676	-0.001	97	5507	1.00	1.02	
129 1,2,4,5-Tetramethylbenzene	119	11.235	11.236	-0.001	96	8354	1.00	1.01	
130 1,2-Dibromo-3-Chloropropane	157	11.320	11.315	0.005	90	980	1.00	1.27	
131 1,3,5-Trichlorobenzene	180	11.430	11.424	0.006	94	3823	1.00	1.05	
132 1,2,4-Trichlorobenzene	180	11.904	11.905	-0.001	91	3434	1.00	0.99	
133 Hexachlorobutadiene	225	11.989	11.984	0.005	93	1298	1.00	1.07	
134 Naphthalene	128	12.087	12.088	-0.001	99	8987	1.00	0.99	
135 1,2,3-Trichlorobenzene	180	12.263	12.258	0.005	91	2869	1.00	0.9135	
S 136 1,2-Dichloroethene, Total	100				0		2.00	2.31	
S 137 Xylenes, Total	100				0		2.00	2.13	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Total BTEX	1				0		5.00	5.32	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

524FREONS_00016	Amount Added:	10.00	Units: uL	
ACROLEIN W_00167	Amount Added:	4.00	Units: uL	
GASES Li_00578	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00185	Amount Added:	10.00	Units: uL	
14DIOXINTER_00167	Amount Added:	30.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Apr-2024 11:03:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02833.D

Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8 Operator ID:

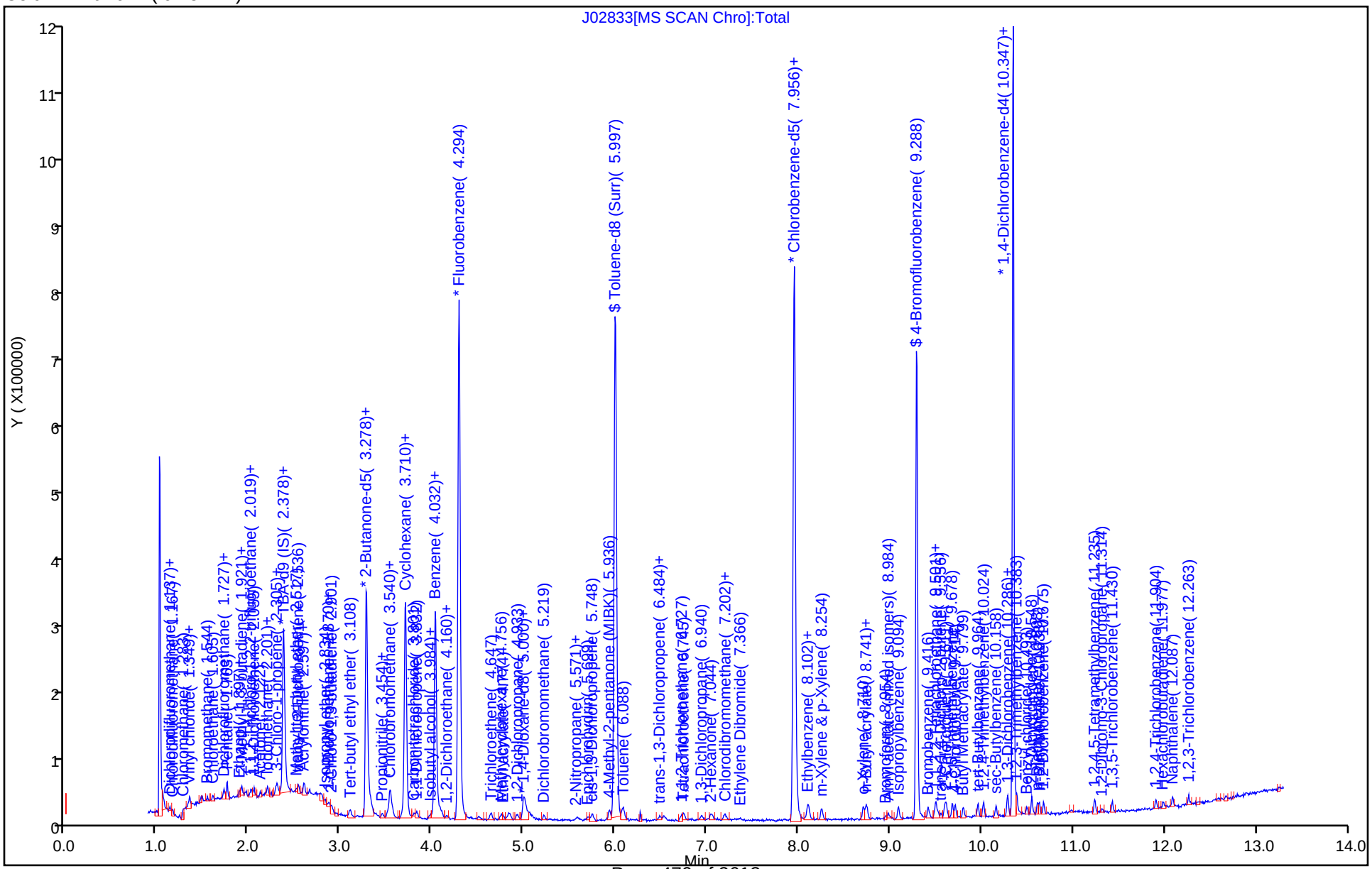
Lims ID: STD1 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

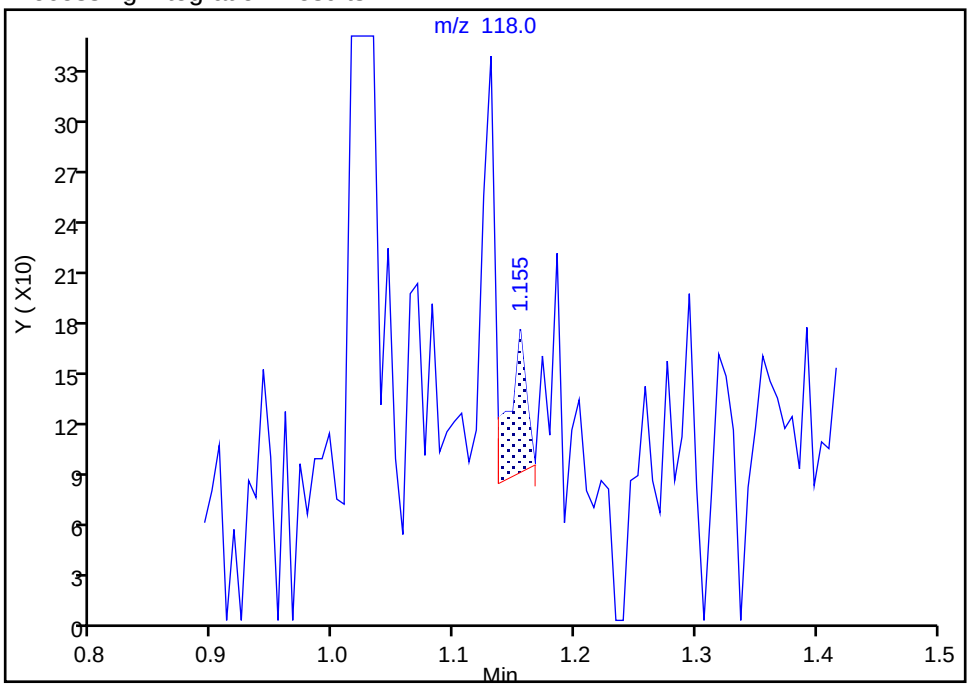
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Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

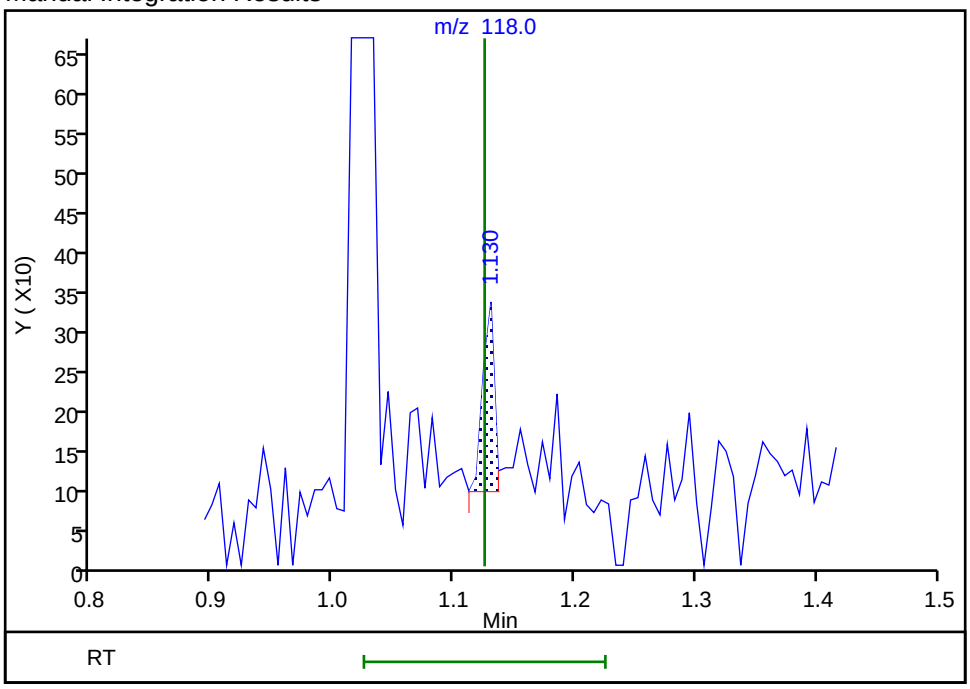
Processing Integration Results

RT: 1.15
Area: 88
Amount: 0.980841
Amount Units: ug/l



Manual Integration Results

RT: 1.13
Area: 162
Amount: 0.987395
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:50:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

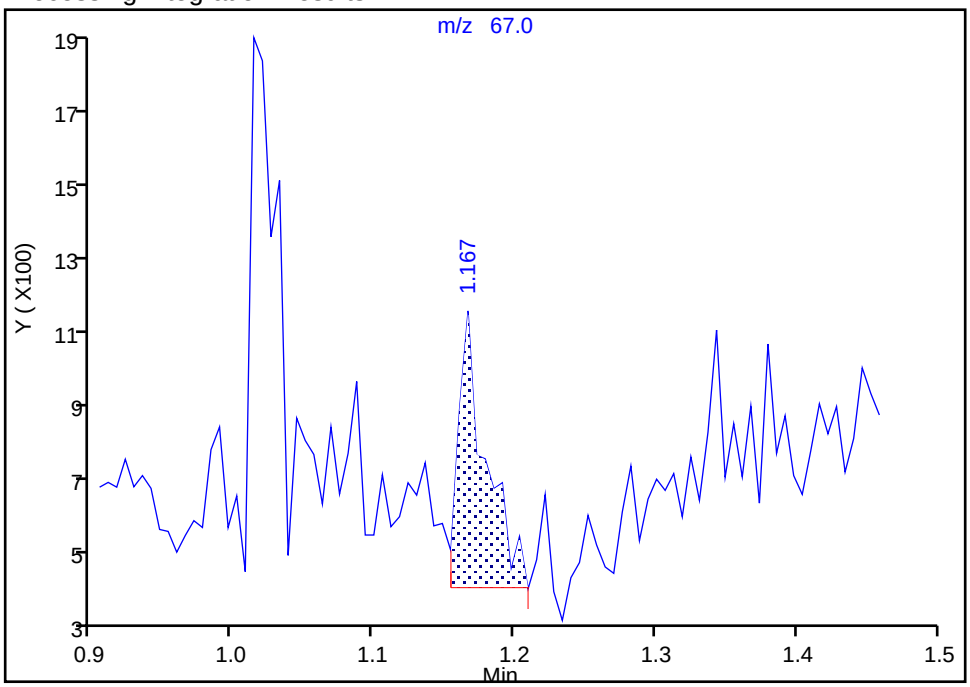
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Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

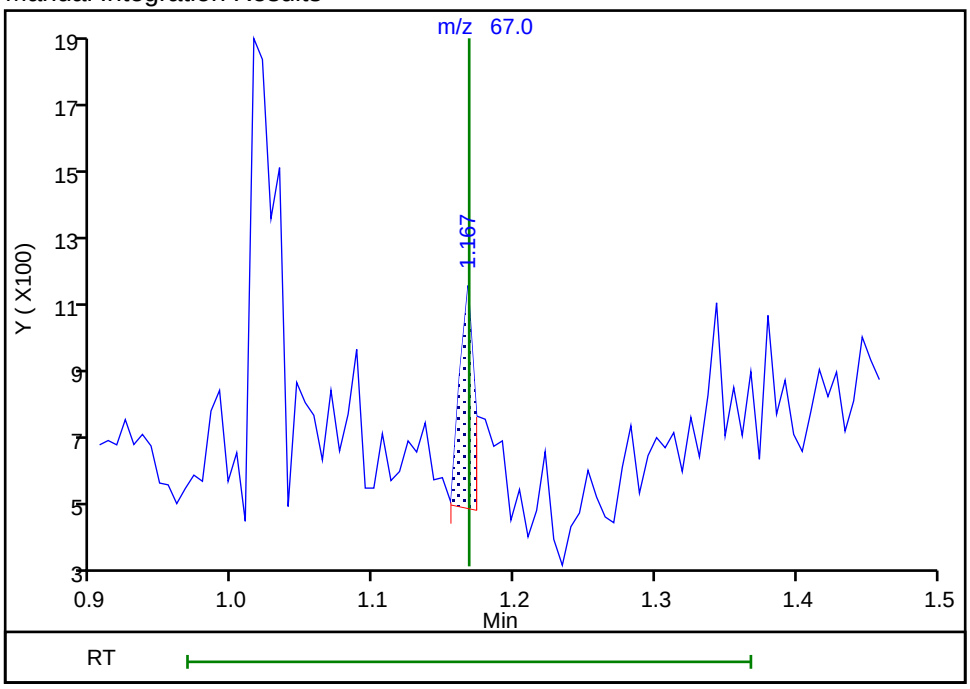
Processing Integration Results

RT: 1.17
Area: 948
Amount: 1.004968
Amount Units: ug/l



Manual Integration Results

RT: 1.17
Area: 461
Amount: 1.036689
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:53:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

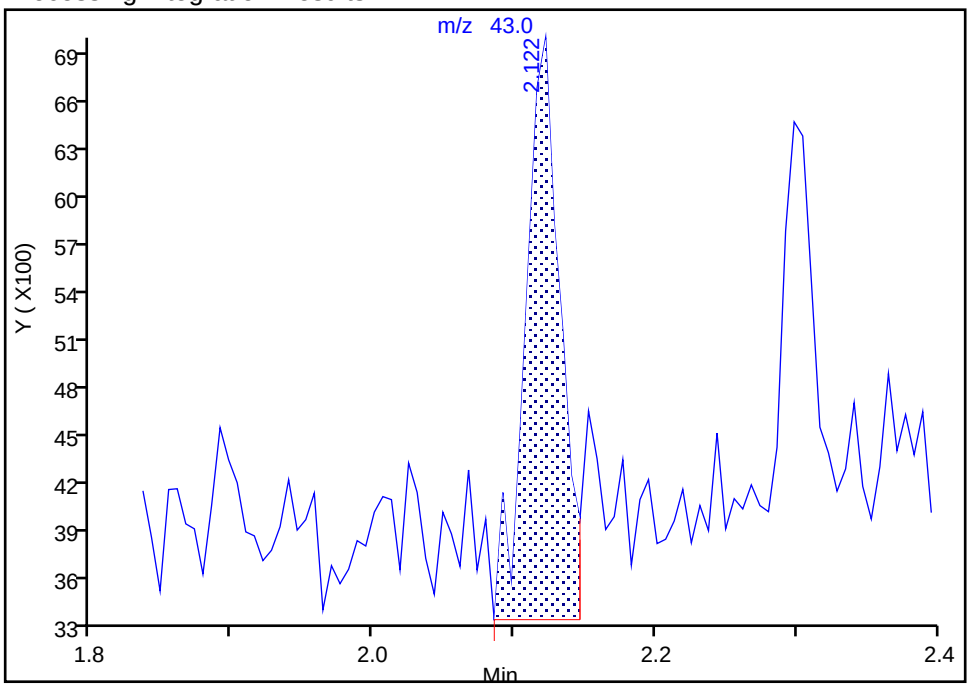
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Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

Signal: 1

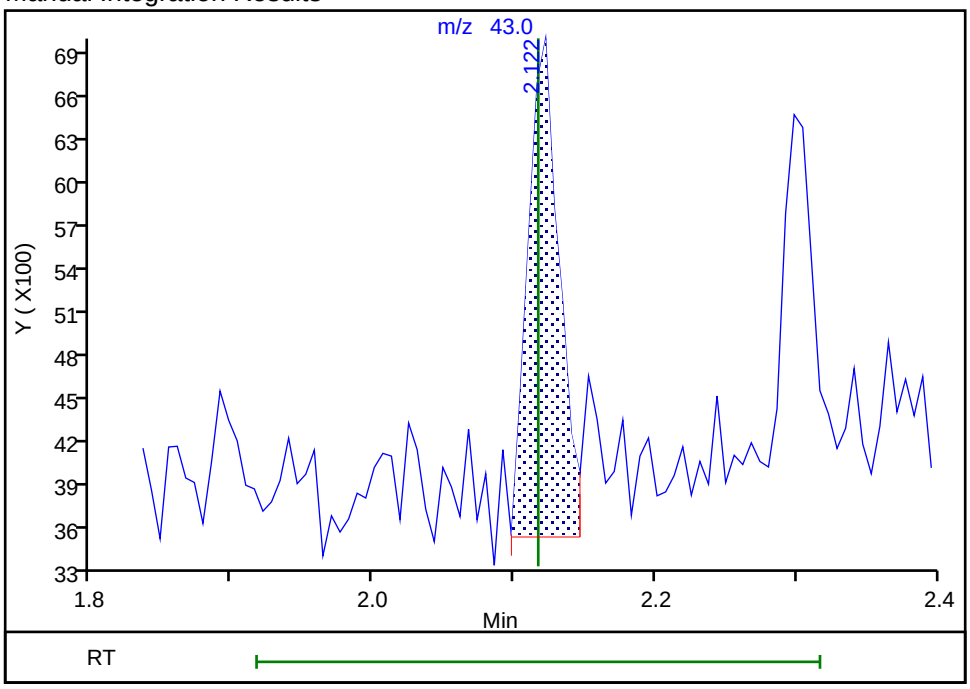
Processing Integration Results

RT: 2.12
Area: 6270
Amount: 8.357592
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 5340
Amount: 6.563271
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:54:01 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

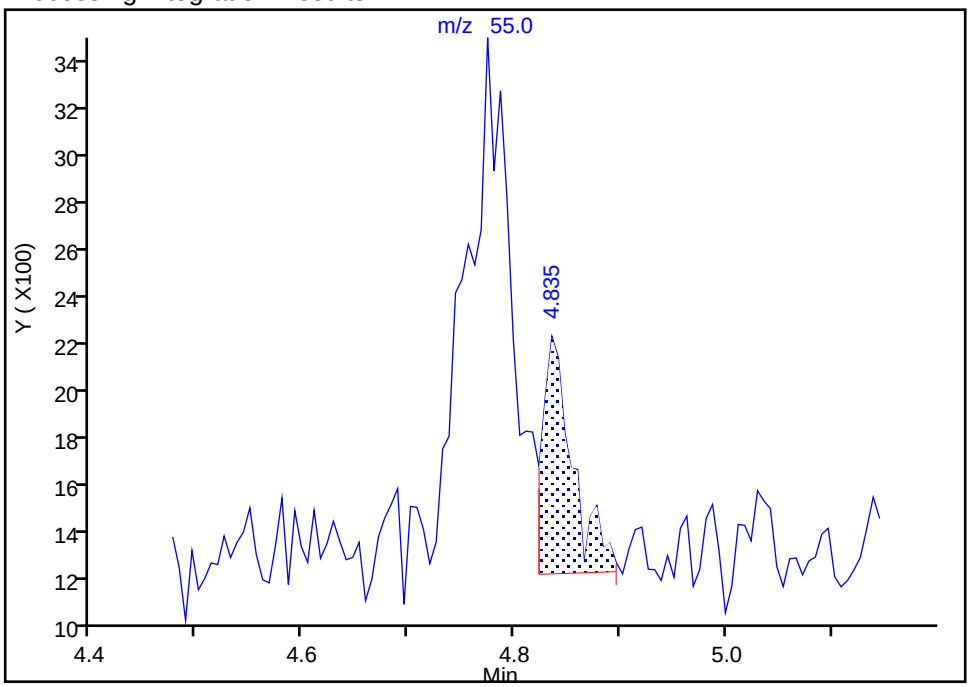
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Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

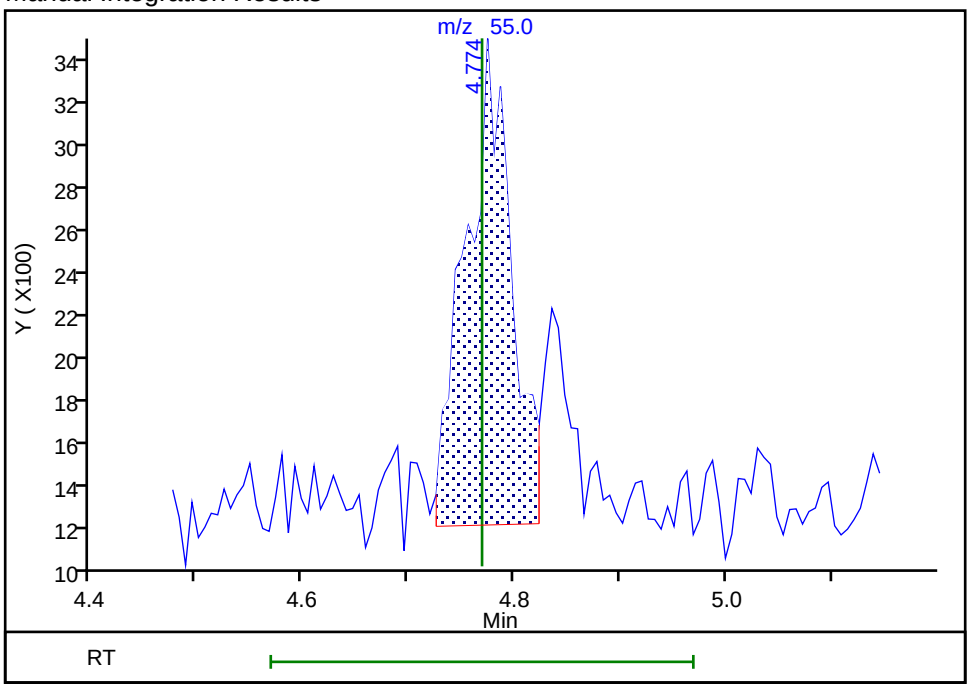
Processing Integration Results

RT: 4.84
Area: 1913
Amount: 0.300195
Amount Units: ug/l



Manual Integration Results

RT: 4.77
Area: 6655
Amount: 1.073947
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:54:23 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

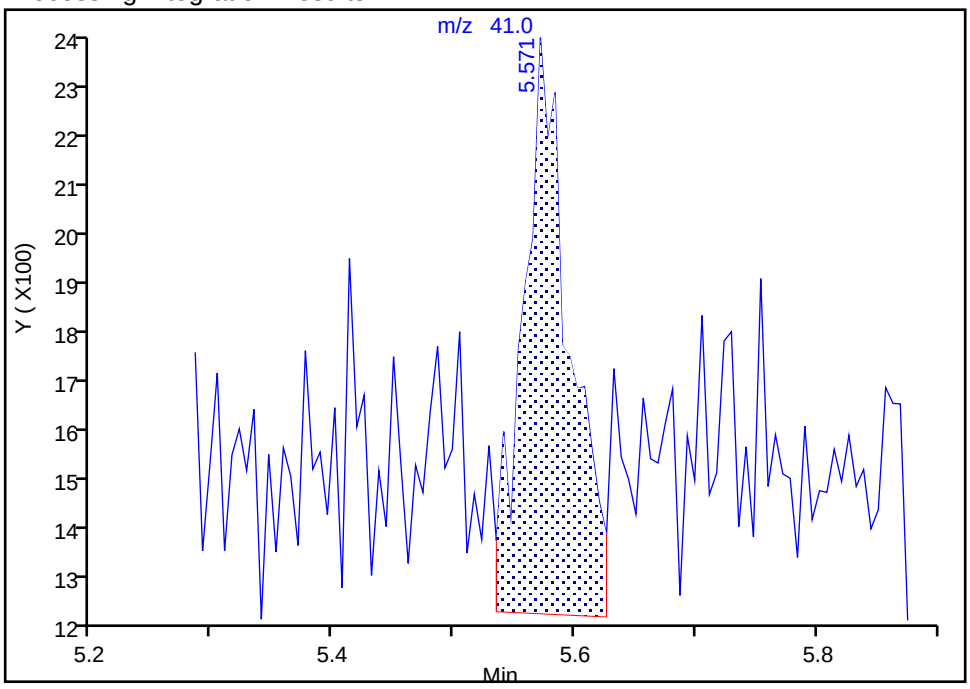
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Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

78 2-Nitropropane, CAS: 79-46-9

Signal: 1

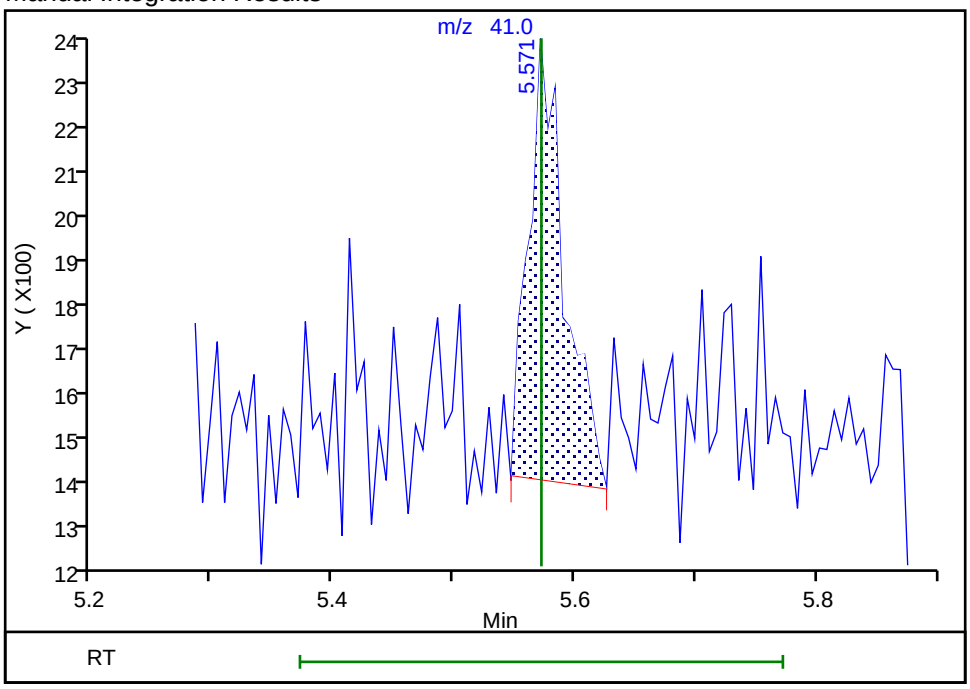
Processing Integration Results

RT: 5.57
Area: 2844
Amount: 2.852975
Amount Units: ug/l



Manual Integration Results

RT: 5.57
Area: 1866
Amount: 2.072147
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:54:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

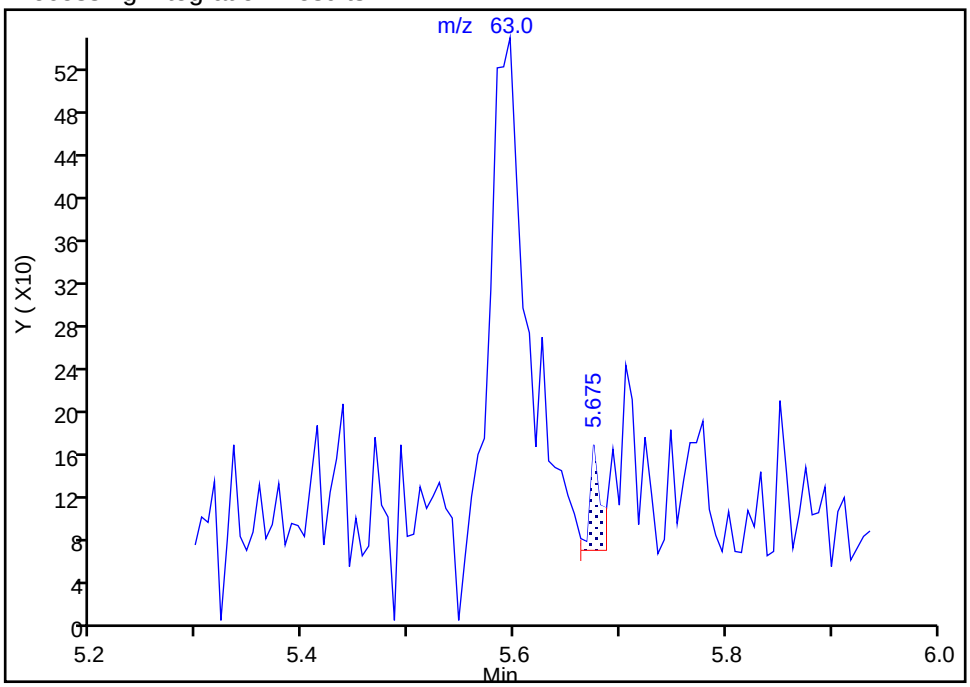
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Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

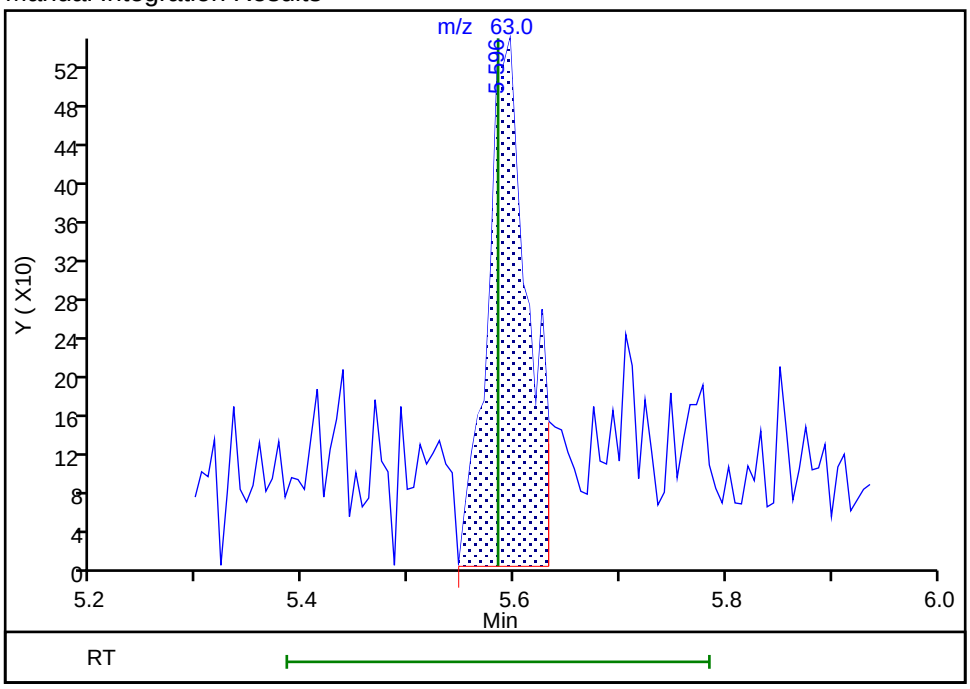
Processing Integration Results

RT: 5.67
Area: 72
Amount: 0.062421
Amount Units: ug/l



Manual Integration Results

RT: 5.60
Area: 1428
Amount: 1.229774
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:56:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

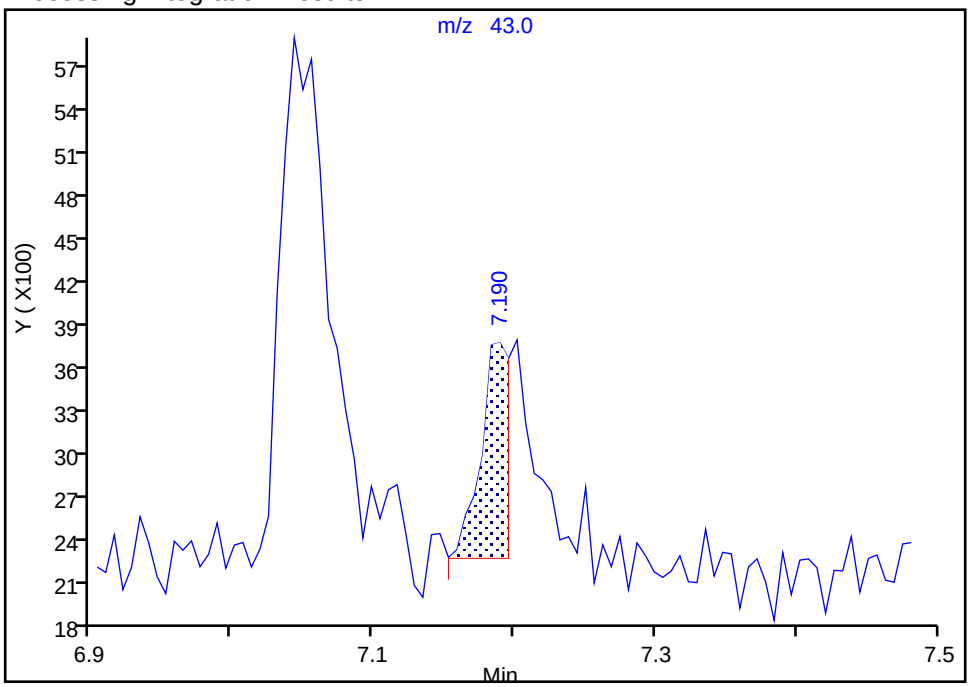
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Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

91 n-Butyl acetate, CAS: 123-86-4

Signal: 1

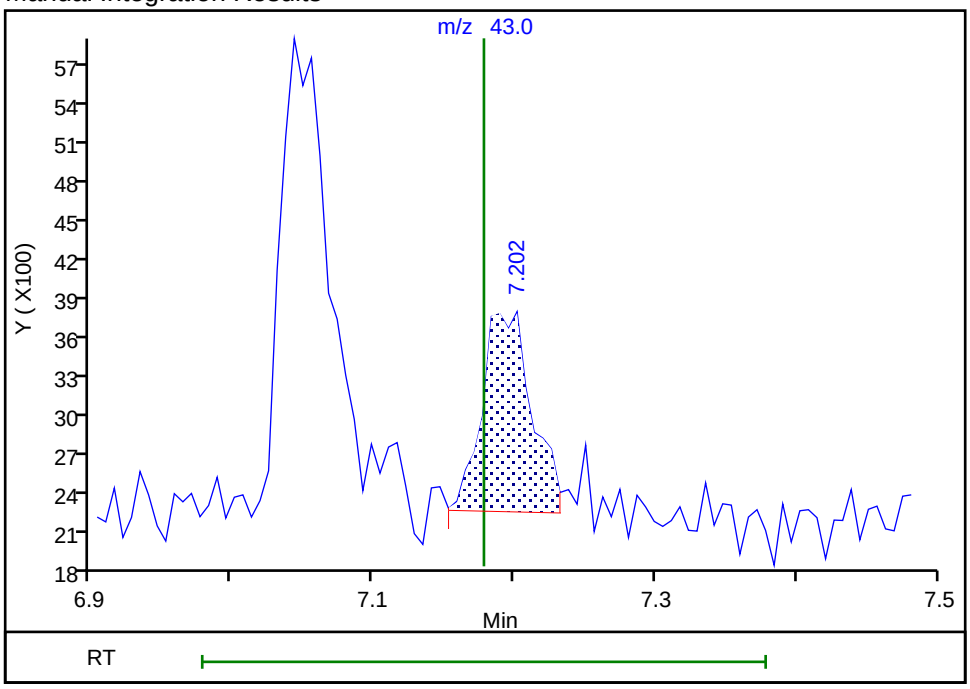
Processing Integration Results

RT: 7.19
Area: 2118
Amount: 0.471839
Amount Units: ug/l



Manual Integration Results

RT: 7.20
Area: 3700
Amount: 0.895134
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:50:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

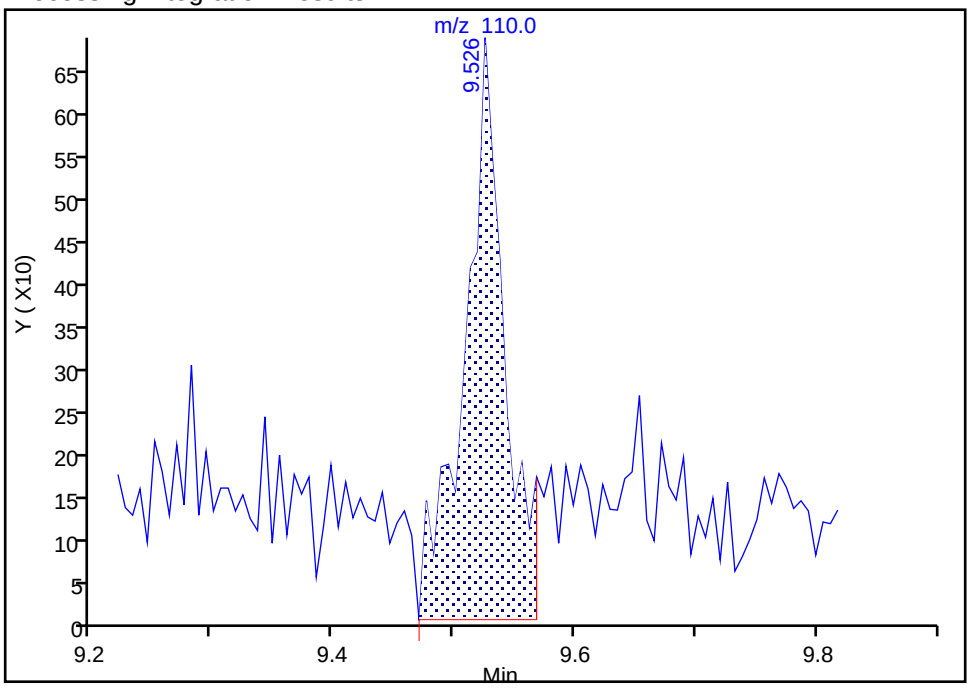
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Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

109 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

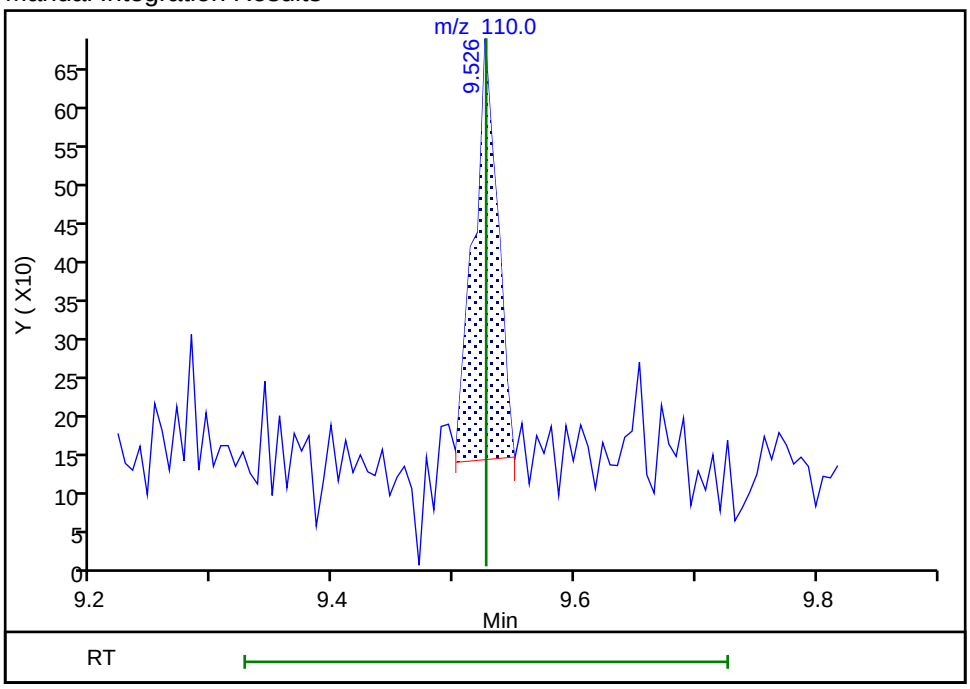
Processing Integration Results

RT: 9.53
Area: 1587
Amount: 1.999665
Amount Units: ug/l



Manual Integration Results

RT: 9.53
Area: 754
Amount: 0.969517
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:56:45 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

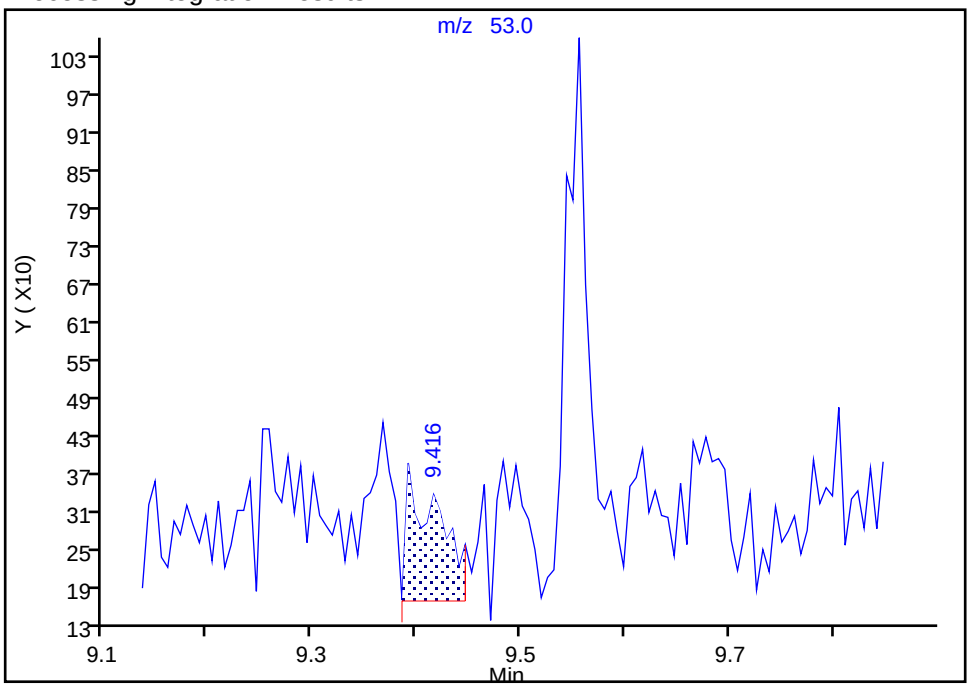
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02833.D
Injection Date: 03-Apr-2024 17:55:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

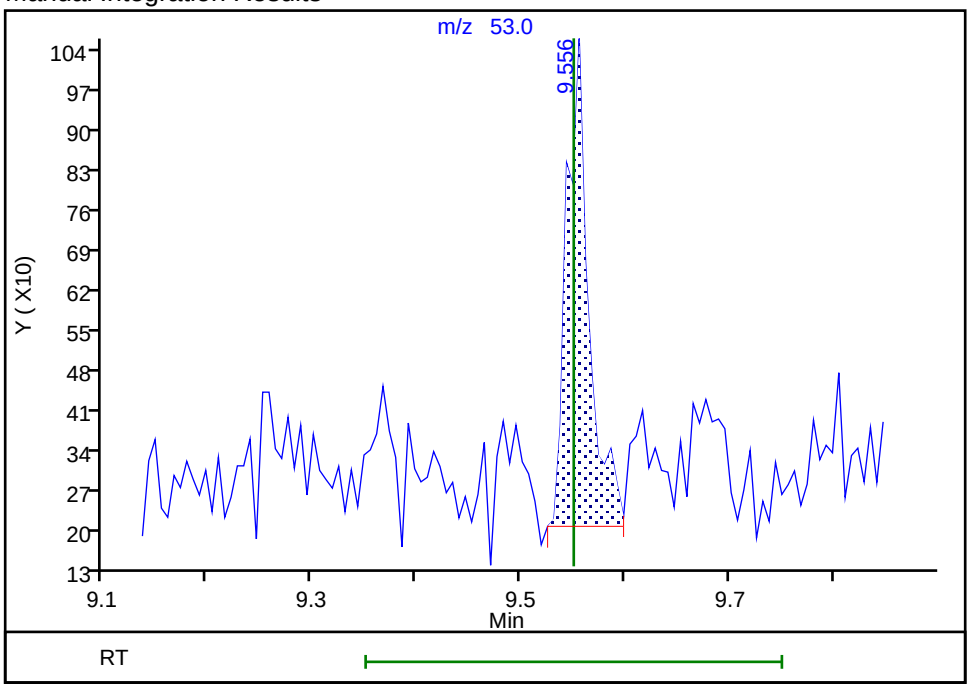
Processing Integration Results

RT: 9.42
Area: 454
Amount: 0.451709
Amount Units: ug/l



Manual Integration Results

RT: 9.56
Area: 1264
Amount: 1.280476
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:51:06 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02834.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Apr-2024 18:20:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0174171-005
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub73

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 04-Apr-2024 11:03:53 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: HVW2 Date: 03-Apr-2024 23:19:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.125	1.125	0.000	86	1203	5.00	5.30	
4 Dichlorodifluoromethane	85	1.149	1.150	-0.001	98	11896	5.00	4.28	
5 Chlorodifluoromethane	67	1.168	1.168	0.000	99	2586	5.00	5.67	
6 Chloromethane	50	1.277	1.277	0.000	100	16056	5.00	4.60	
7 Vinyl chloride	62	1.338	1.338	0.000	98	14158	5.00	4.76	
8 Butadiene	54	1.350	1.350	0.000	98	14615	5.00	4.44	
9 Bromomethane	94	1.551	1.545	0.006	96	9784	5.00	4.92	
10 Chloroethane	64	1.606	1.600	0.006	98	7924	5.00	5.20	
12 Dichlorofluoromethane	67	1.721	1.721	0.000	99	23162	5.00	4.97	
11 Trichlorofluoromethane	101	1.733	1.727	0.006	98	17186	5.00	4.53	
13 Pentane	43	1.764	1.758	0.006	94	38564	10.0	9.32	
14 Ethanol	46	1.861	1.855	0.006	92	2719	200.0	257.0	
15 Ethyl ether	59	1.898	1.898	0.000	96	12188	5.00	5.14	
16 2-Methyl-1,3-butadiene	53	1.916	1.916	0.000	98	11089	5.00	4.72	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.928	1.928	0.000	95	10724	5.00	5.02	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.964	1.965	-0.001	96	20413	5.00	5.19	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.025	2.019	0.006	97	12182	5.00	4.72	
19 Acrolein	56	2.031	2.026	0.005	95	8525	20.0	21.2	
21 1,1-Dichloroethene	96	2.056	2.056	0.000	99	12097	5.00	4.95	
22 Acetone	43	2.123	2.117	0.006	87	19987	25.0	24.2	
23 Iodomethane	142	2.177	2.172	0.005	96	13497	5.00	4.30	
25 Isopropyl alcohol	45	2.177	2.178	-0.001	51	7280	50.0	49.2	
24 Carbon disulfide	76	2.202	2.202	0.000	99	50045	5.00	5.18	
26 3-Chloro-1-propene	76	2.293	2.293	0.000	95	8279	5.00	5.23	
28 Methyl acetate	43	2.299	2.299	0.000	100	20346	10.0	10.6	
27 Cyclopentene	67	2.311	2.311	0.000	92	28898	5.00	5.13	
29 Acetonitrile	41	2.348	2.342	0.006	98	15773	50.0	47.8	
* 30 TBA-d9 (IS)	65	2.378	2.372	0.006	75	261952	1000.0	1000.0	
31 Methylene Chloride	84	2.396	2.397	-0.001	95	15226	5.00	5.49	
32 2-Methyl-2-propanol	59	2.433	2.433	0.000	98	10173	50.0	50.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.518	2.512	0.006	97	33521	5.00	5.07	
34 trans-1,2-Dichloroethene	96	2.542	2.543	-0.001	95	15124	5.00	5.14	
35 Acrylonitrile	53	2.603	2.597	0.006	93	48416	50.0	46.2	
36 Hexane	57	2.664	2.664	0.000	93	12871	5.00	4.75	
37 Isopropyl ether	45	2.834	2.835	-0.001	99	46559	5.00	4.96	
38 1,1-Dichloroethane	63	2.871	2.865	0.006	98	30829	5.00	5.37	
39 Vinyl acetate	43	2.877	2.877	0.000	100	58656	10.0	11.2	
40 2-Chloro-1,3-butadiene	88	2.907	2.908	-0.001	92	12604	5.00	4.90	
41 Tert-butyl ethyl ether	59	3.102	3.102	0.000	88	40307	5.00	4.91	
* 43 2-Butanone-d5	46	3.279	3.279	0.000	88	387808	250.0	250.0	
42 2,2-Dichloropropane	79	3.285	3.285	0.000	47	7353	5.00	5.06	a
44 cis-1,2-Dichloroethene	96	3.315	3.315	0.000	96	18146	5.00	5.27	
46 2-Butanone (MEK)	72	3.333	3.327	0.006	95	7792	25.0	23.6	
45 Ethyl acetate	70	3.333	3.333	0.000	96	2991	10.0	9.61	
47 Methyl acrylate	55	3.382	3.382	0.000	99	11962	5.00	5.14	
48 Propionitrile	54	3.449	3.443	0.006	99	21557	50.0	47.9	
50 Chlorobromomethane	128	3.516	3.516	0.000	93	8364	5.00	5.25	
49 Tetrahydrofuran	72	3.528	3.522	0.006	57	2666	10.0	8.06	
51 Methacrylonitrile	67	3.540	3.540	0.000	95	60819	50.0	54.0	
52 Chloroform	83	3.564	3.565	-0.001	98	28842	5.00	5.14	
53 Cyclohexane	84	3.674	3.680	-0.006	95	17305	5.00	4.48	
54 1,1,1-Trichloroethane	97	3.692	3.692	0.000	98	20584	5.00	4.60	
$ 55 Dibromofluoromethane (Surr)	113	3.710	3.705	0.005	96	175718	50.0	50.2	
56 Carbon tetrachloride	117	3.808	3.802	0.006	98	17960	5.00	4.79	
57 1,1-Dichloropropene	75	3.832	3.832	0.000	96	19071	5.00	4.76	
58 Isobutyl alcohol	43	3.978	3.966	0.012	92	19380	125.0	119.5	
59 Isooctane	57	3.984	3.984	0.000	95	25228	5.00	4.88	
60 Benzene	78	4.021	4.015	0.006	95	60376	5.00	4.80	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.039	4.033	0.006	0	185642	50.0	51.5	
62 Isopropyl acetate	43	4.082	4.076	0.006	92	42218	5.00	5.42	
63 Tert-amyl methyl ether	55	4.075	4.082	-0.007	77	11423	5.00	6.29	
64 1,2-Dichloroethane	62	4.106	4.106	0.000	96	19551	5.00	5.11	
65 n-Heptane	57	4.167	4.167	0.000	95	5740	5.00	4.55	
* 66 Fluorobenzene	96	4.294	4.295	-0.001	98	683802	50.0	50.0	
67 n-Butanol	56	4.666	4.629	0.037	22	4979	125.0	128.7	M
68 Trichloroethene	95	4.647	4.641	0.006	99	15215	5.00	4.73	
69 Methylcyclohexane	83	4.763	4.757	0.006	88	17316	5.00	4.85	
70 Ethyl acrylate	55	4.775	4.769	0.006	97	31792	5.00	5.01	
71 1,2-Dichloropropane	63	4.933	4.927	0.006	93	16146	5.00	4.82	
* 72 1,4-Dioxane-d8	96	5.000	5.000	0.000	0	32220	1000.0	1000.0	
73 Methyl methacrylate	100	5.024	5.019	0.005	94	7352	10.0	11.3	
75 1,4-Dioxane	88	5.061	5.055	0.006	39	2870	100.0	115.8	
74 Dibromomethane	93	5.061	5.061	0.000	96	10828	5.00	5.06	
76 n-Propyl acetate	43	5.085	5.079	0.006	97	20902	5.00	5.18	
77 Dichlorobromomethane	83	5.225	5.219	0.006	99	21640	5.00	5.24	
78 2-Nitropropane	41	5.572	5.572	0.000	90	8332	10.0	9.57	
79 2-Chloroethyl vinyl ether	63	5.590	5.584	0.006	90	6244	5.01	5.25	
80 Epichlorohydrin	57	5.700	5.688	0.012	99	24212	100.0	92.3	
81 cis-1,3-Dichloropropene	75	5.748	5.749	-0.001	95	25655	5.00	4.79	
82 4-Methyl-2-pentanone (MIBK)	43	5.937	5.925	0.012	98	71633	25.0	26.3	
$ 83 Toluene-d8 (Surr)	98	6.004	5.998	0.006	99	572335	50.0	50.1	
84 Toluene	91	6.089	6.083	0.006	94	58083	5.00	4.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.485	6.485	-0.001	98	23411	5.00	4.96	
86 Ethyl methacrylate	69	6.533	6.527	0.006	95	18382	5.00	5.53	
87 1,1,2-Trichloroethane	83	6.716	6.710	0.006	96	12266	5.00	4.85	
88 Tetrachloroethene	166	6.752	6.746	0.006	95	13989	5.00	4.81	
89 1,3-Dichloropropane	76	6.947	6.941	0.006	97	22446	5.00	5.17	
90 2-Hexanone	58	7.038	7.032	0.006	98	27202	25.0	26.8	
91 n-Butyl acetate	43	7.190	7.178	0.012	97	21354	5.00	5.10	
92 Chlorodibromomethane	129	7.202	7.196	0.006	98	16054	5.00	4.89	
93 Ethylene Dibromide	107	7.361	7.361	0.000	98	15413	5.00	5.06	
* 94 Chlorobenzene-d5	117	7.957	7.951	0.006	86	495375	50.0	50.0	
95 Chlorobenzene	112	7.993	7.987	0.006	95	37859	5.00	5.08	
96 Ethylbenzene	106	8.103	8.103	0.000	99	19227	5.00	4.93	
97 1,1,1,2-Tetrachloroethane	131	8.115	8.115	0.000	96	13710	5.00	4.88	
98 m-Xylene & p-Xylene	106	8.255	8.249	0.006	0	23614	5.00	4.92	
99 o-Xylene	106	8.711	8.705	0.006	92	22724	5.00	4.92	
100 n-Butyl acrylate	73	8.729	8.730	-0.001	95	11803	5.00	5.17	
101 Styrene	104	8.741	8.742	-0.001	92	39153	5.00	4.91	
103 Bromoform	173	8.954	8.955	-0.001	96	11500	5.00	5.11	
102 Amyl acetate (mixed isomers)	43	8.979	8.973	0.006	88	26728	5.00	5.24	
104 Isopropylbenzene	105	9.094	9.088	0.006	97	49479	5.00	4.96	
$ 105 4-Bromofluorobenzene	174	9.295	9.289	0.006	94	180198	50.0	49.8	
106 Bromobenzene	156	9.417	9.417	0.000	96	16667	5.00	5.08	
107 1,1,2,2-Tetrachloroethane	83	9.490	9.490	0.000	99	17248	5.00	5.03	
108 N-Propylbenzene	91	9.502	9.502	0.000	98	60890	5.00	4.89	
109 1,2,3-Trichloropropane	110	9.526	9.526	0.000	97	4310	5.00	5.48	
110 trans-1,4-Dichloro-2-butene	53	9.557	9.551	0.006	88	4526	5.00	4.53	a
111 2-Chlorotoluene	91	9.599	9.599	0.000	97	44438	5.00	4.98	
112 4-Ethyltoluene	105	9.617	9.612	0.005	98	51577	5.00	4.95	
113 1,3,5-Trimethylbenzene	105	9.684	9.679	0.005	92	44385	5.00	5.10	
114 4-Chlorotoluene	91	9.715	9.709	0.006	96	41037	5.00	4.78	
115 Butyl Methacrylate	87	9.800	9.800	0.000	92	18500	5.00	5.16	
116 tert-Butylbenzene	119	9.964	9.958	0.006	93	33723	5.00	5.00	
117 1,2,4-Trimethylbenzene	105	10.019	10.019	0.000	98	45994	5.00	5.03	
118 sec-Butylbenzene	105	10.159	10.153	0.006	99	48656	5.00	4.98	
120 1,3-Dichlorobenzene	146	10.281	10.281	0.000	96	27323	5.00	4.94	
119 4-Isopropyltoluene	119	10.287	10.287	0.000	98	40917	5.00	4.83	
* 121 1,4-Dichlorobenzene-d4	152	10.348	10.342	0.006	95	251186	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.366	10.366	0.000	97	28598	5.00	4.96	
123 1,2,3-Trimethylbenzene	105	10.390	10.384	0.006	99	50384	5.00	5.08	
124 Benzyl chloride	91	10.500	10.494	0.006	98	31189	5.00	5.05	
125 2,3-Dihydroindene	117	10.548	10.548	0.000	95	48437	5.00	5.02	
126 p-Diethylbenzene	119	10.609	10.609	0.000	93	23938	5.00	4.87	
127 n-Butylbenzene	92	10.633	10.628	0.005	97	19436	5.00	4.68	
128 1,2-Dichlorobenzene	146	10.676	10.676	0.000	95	27063	5.00	4.97	
129 1,2,4,5-Tetramethylbenzene	119	11.236	11.236	0.000	97	41801	5.00	5.00	
130 1,2-Dibromo-3-Chloropropane	157	11.321	11.315	0.006	92	3968	5.00	5.07	
131 1,3,5-Trichlorobenzene	180	11.430	11.424	0.006	97	17210	5.00	4.67	
132 1,2,4-Trichlorobenzene	180	11.905	11.905	0.000	94	15546	5.00	4.44	
133 Hexachlorobutadiene	225	11.984	11.984	0.000	94	5505	5.00	4.50	
134 Naphthalene	128	12.087	12.088	-0.001	99	43423	5.00	4.73	
135 1,2,3-Trichlorobenzene	180	12.264	12.258	0.006	96	15234	5.00	4.79	
S 136 1,2-Dichloroethene, Total	100				0		10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		10.0	9.84	
S 138 Total BTEX	1				0		25.0	24.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

524FREONS_00016	Amount Added:	10.00	Units: uL	
ACROLEIN W_00167	Amount Added:	4.00	Units: uL	
GASES Li_00578	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00185	Amount Added:	10.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Apr-2024 11:03:54 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02834.D

Injection Date: 03-Apr-2024 18:20:30 Instrument ID: CVOAMS8 Operator ID:

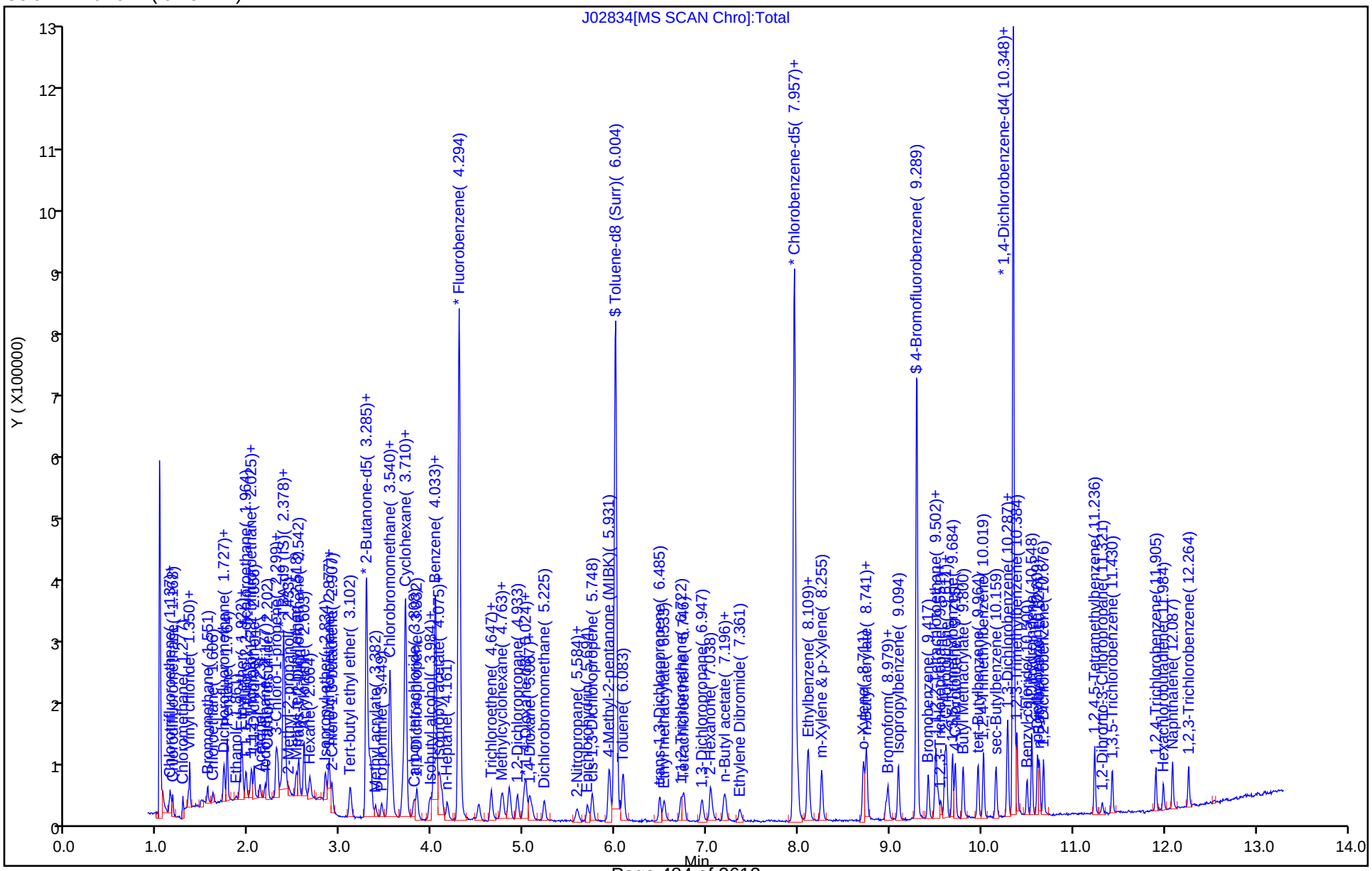
Lims ID: STD5 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

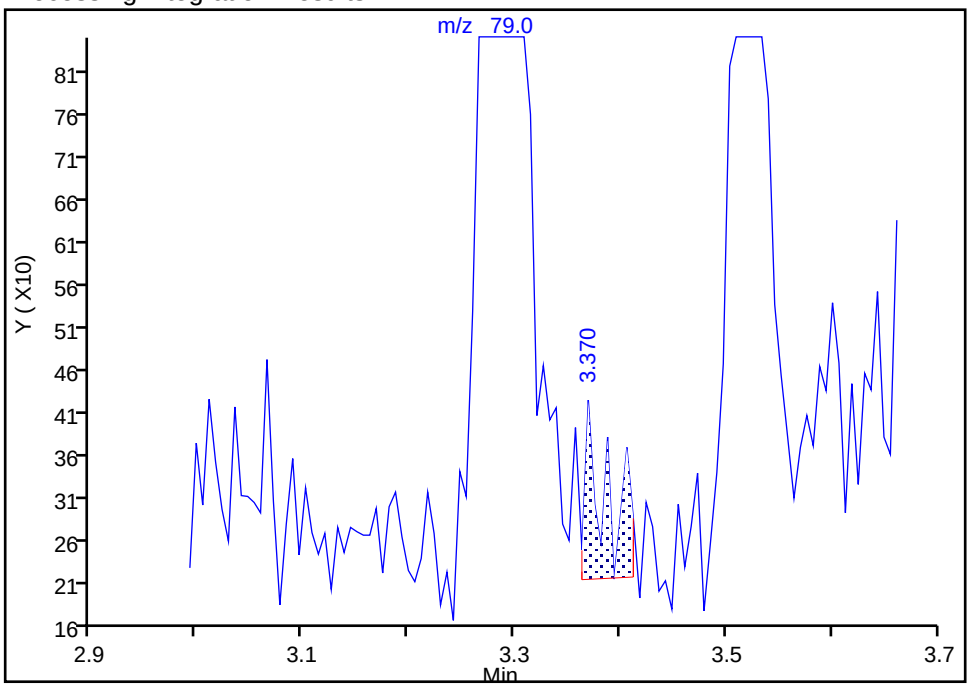
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Injection Date: 03-Apr-2024 18:20:30 Instrument ID: CVOAMS8
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

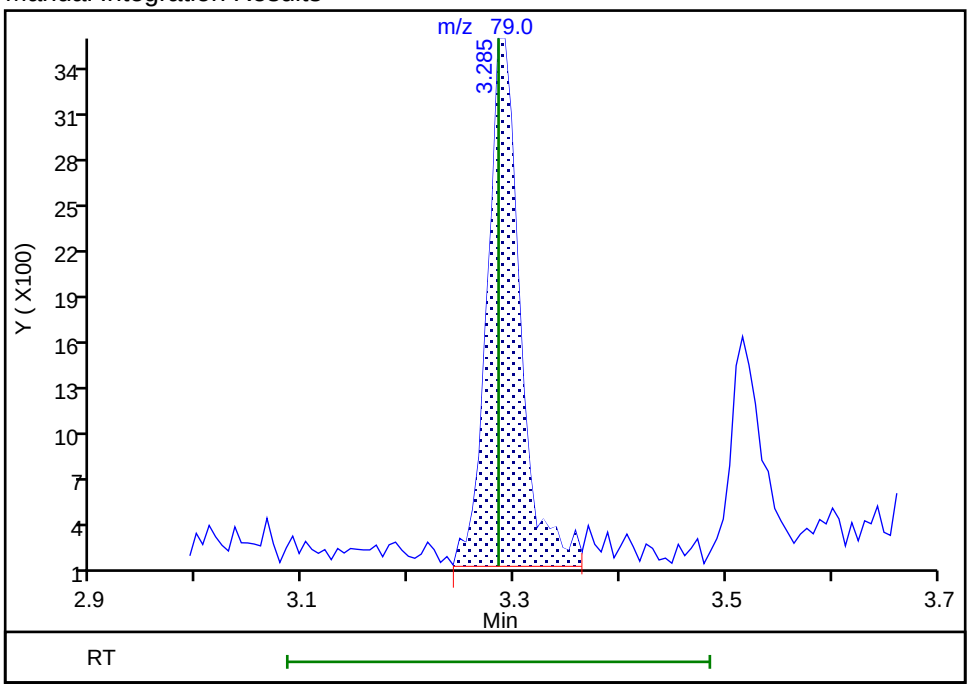
Processing Integration Results

RT: 3.37
Area: 301
Amount: 0.246900
Amount Units: ug/l



Manual Integration Results

RT: 3.28
Area: 7353
Amount: 5.056438
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:35:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

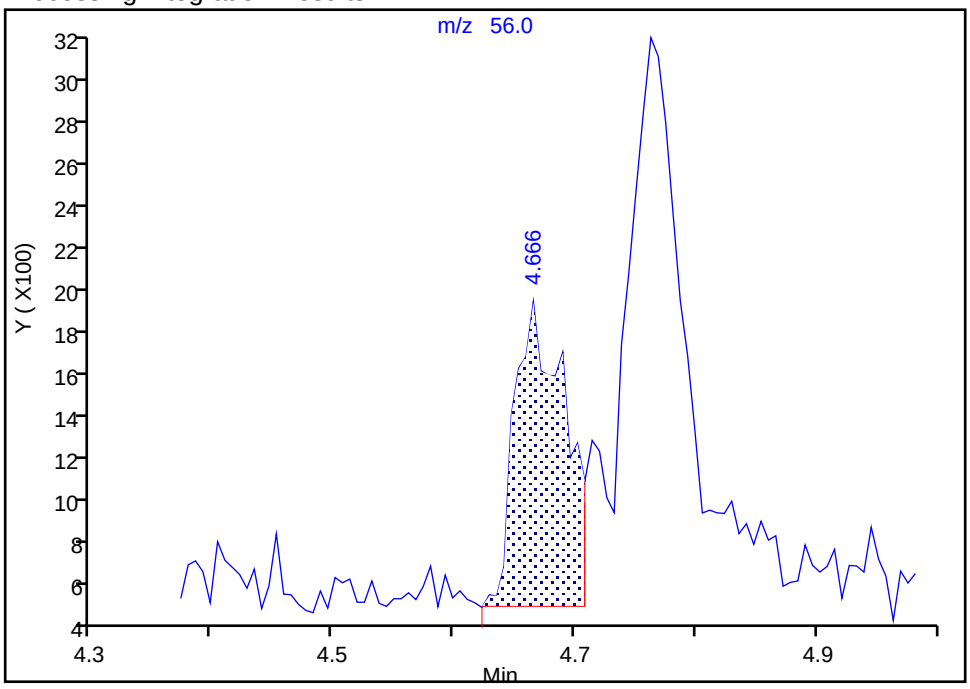
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Injection Date: 03-Apr-2024 18:20:30 Instrument ID: CVOAMS8
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 n-Butanol, CAS: 71-36-3

Signal: 1

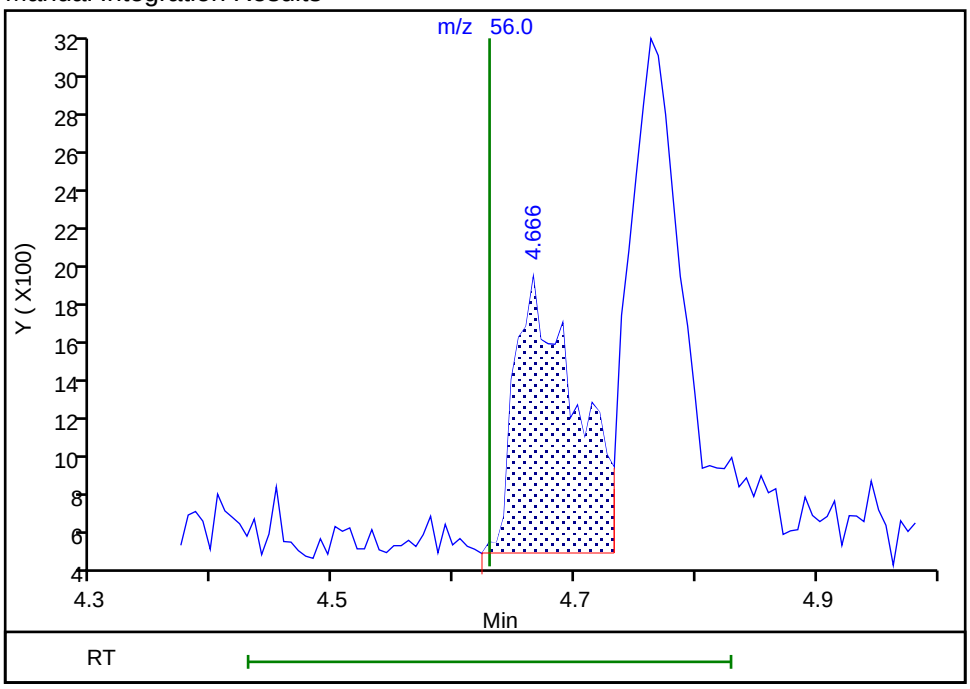
Processing Integration Results

RT: 4.67
Area: 4090
Amount: 62.308541
Amount Units: ug/l



Manual Integration Results

RT: 4.67
Area: 4979
Amount: 128.6609
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:47:11 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

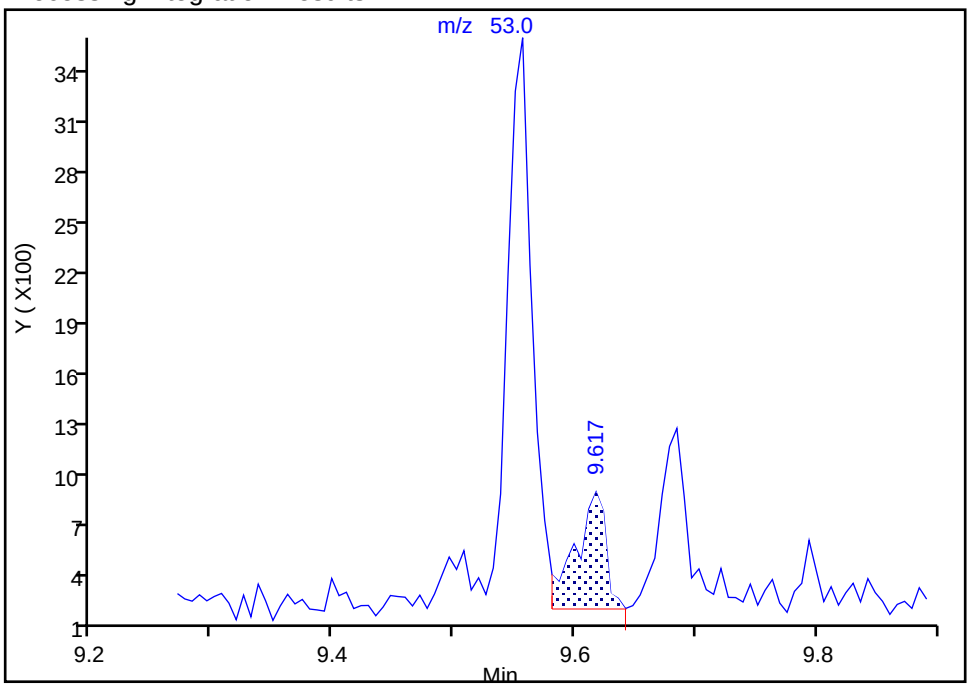
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Injection Date: 03-Apr-2024 18:20:30 Instrument ID: CVOAMS8
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

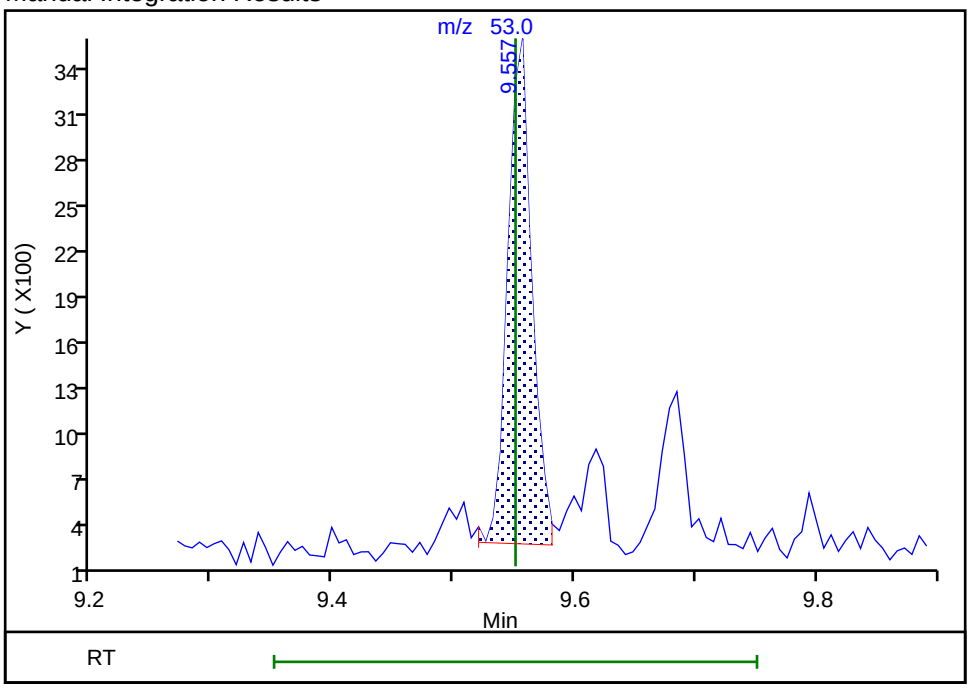
Processing Integration Results

RT: 9.62
Area: 1192
Amount: 1.884464
Amount Units: ug/l



Manual Integration Results

RT: 9.56
Area: 4526
Amount: 4.529835
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:36:21 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02835.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 03-Apr-2024 18:46:30 ALS Bottle#: 1 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0174171-006
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub73

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 04-Apr-2024 11:04:22 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: PUV6 Date: 03-Apr-2024 19:44:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.125	1.125	0.000	93	4799	20.0	20.6	
4 Dichlorodifluoromethane	85	1.150	1.150	0.000	100	55817	20.0	20.2	
5 Chlorodifluoromethane	67	1.168	1.168	0.000	97	9039	20.0	20.0	
6 Chloromethane	50	1.277	1.277	0.000	100	71813	20.0	20.8	
7 Vinyl chloride	62	1.338	1.338	0.000	98	63233	20.0	21.4	
8 Butadiene	54	1.350	1.350	0.000	98	69926	20.0	21.4	
9 Bromomethane	94	1.545	1.545	0.000	99	38983	20.0	19.8	
10 Chloroethane	64	1.600	1.600	0.000	98	29902	20.0	19.8	
12 Dichlorofluoromethane	67	1.721	1.721	0.000	99	98261	20.0	21.3	
11 Trichlorofluoromethane	101	1.727	1.727	0.000	98	82399	20.0	21.9	
13 Pentane	43	1.758	1.758	0.000	95	162087	40.0	39.5	
14 Ethanol	46	1.855	1.855	0.000	94	6990	800.0	712.5	
15 Ethyl ether	59	1.898	1.898	0.000	95	43225	20.0	20.5	
16 2-Methyl-1,3-butadiene	53	1.916	1.916	0.000	98	48454	20.0	20.8	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.928	1.928	0.000	95	42203	20.0	19.9	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.965	1.965	0.000	97	80001	20.0	20.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.019	2.019	0.000	98	54450	20.0	21.3	
19 Acrolein	56	2.026	2.026	0.000	95	15296	40.0	41.1	
21 1,1-Dichloroethene	96	2.056	2.056	0.000	98	52308	20.0	21.6	
22 Acetone	43	2.117	2.117	0.000	86	73020	100.0	92.2	
23 Iodomethane	142	2.172	2.172	0.000	97	60494	20.0	19.4	
25 Isopropyl alcohol	45	2.178	2.178	0.000	55	24114	200.0	175.6	
24 Carbon disulfide	76	2.202	2.202	0.000	100	201521	20.0	21.0	
26 3-Chloro-1-propene	76	2.293	2.293	0.000	95	30999	20.0	19.7	
28 Methyl acetate	43	2.299	2.299	0.000	99	69611	40.0	39.0	
27 Cyclopentene	67	2.311	2.311	0.000	95	121807	20.0	21.8	
29 Acetonitrile	41	2.342	2.342	0.000	99	67591	200.0	220.8	
* 30 TBA-d9 (IS)	65	2.372	2.372	0.000	74	242874	1000.0	1000.0	
31 Methylene Chloride	84	2.397	2.397	0.000	96	57016	20.0	20.7	
32 2-Methyl-2-propanol	59	2.433	2.433	0.000	99	35300	200.0	187.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.512	2.512	0.000	98	127531	20.0	19.4	
34 trans-1,2-Dichloroethene	96	2.543	2.543	0.000	96	58743	20.0	20.1	
35 Acrylonitrile	53	2.597	2.597	0.000	93	184411	200.0	189.9	
36 Hexane	57	2.664	2.664	0.000	92	52282	20.0	19.5	
37 Isopropyl ether	45	2.835	2.835	0.000	97	182197	20.0	19.6	
38 1,1-Dichloroethane	63	2.865	2.865	0.000	99	121866	20.0	21.4	
39 Vinyl acetate	43	2.877	2.877	0.000	100	206658	40.0	39.9	
40 2-Chloro-1,3-butadiene	88	2.908	2.908	0.000	91	50763	20.0	19.9	
41 Tert-butyl ethyl ether	59	3.102	3.102	0.000	88	160660	20.0	19.8	
* 43 2-Butanone-d5	46	3.279	3.279	0.000	98	371826	250.0	250.0	
42 2,2-Dichloropropane	79	3.285	3.285	0.000	96	28300	20.0	19.6	
44 cis-1,2-Dichloroethene	96	3.315	3.315	0.000	95	68715	20.0	20.1	
46 2-Butanone (MEK)	72	3.327	3.327	0.000	95	29055	100.0	92.0	
45 Ethyl acetate	70	3.333	3.333	0.000	97	11068	40.0	37.1	
47 Methyl acrylate	55	3.382	3.382	0.000	100	47144	20.0	20.4	
48 Propionitrile	54	3.443	3.443	0.000	98	81212	200.0	194.7	
50 Chlorobromomethane	128	3.516	3.516	0.000	96	33988	20.0	21.5	
49 Tetrahydrofuran	72	3.522	3.522	0.000	90	12320	40.0	38.8	
51 Methacrylonitrile	67	3.540	3.540	0.000	94	230872	200.0	206.7	
52 Chloroform	83	3.565	3.565	0.000	99	113529	20.0	20.4	
53 Cyclohexane	84	3.680	3.680	0.000	95	76972	20.0	20.1	
54 1,1,1-Trichloroethane	97	3.692	3.692	0.000	99	88645	20.0	20.0	
$ 55 Dibromofluoromethane (Surr)	113	3.705	3.705	0.000	96	177545	50.0	51.1	
56 Carbon tetrachloride	117	3.802	3.802	0.000	99	76059	20.0	20.5	
57 1,1-Dichloropropene	75	3.832	3.832	0.000	99	79618	20.0	20.0	
58 Isobutyl alcohol	43	3.966	3.966	0.000	93	75392	500.0	501.6	
59 Isooctane	57	3.984	3.984	0.000	97	104625	20.0	20.4	a
60 Benzene	78	4.015	4.015	0.000	97	238852	20.0	19.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.033	4.033	0.000	0	180703	50.0	50.5	
62 Isopropyl acetate	43	4.076	4.076	0.000	93	151564	20.0	19.6	
63 Tert-amyl methyl ether	55	4.082	4.082	0.000	77	35183	20.0	19.6	
64 1,2-Dichloroethane	62	4.106	4.106	0.000	95	77676	20.0	20.5	
65 n-Heptane	57	4.167	4.167	0.000	97	23235	20.0	20.4	
* 66 Fluorobenzene	96	4.295	4.295	0.000	99	677919	50.0	50.0	
67 n-Butanol	56	4.629	4.629	0.000	92	23101	500.0	440.9	
68 Trichloroethene	95	4.641	4.641	0.000	98	64104	20.0	20.1	
69 Methylcyclohexane	83	4.757	4.757	0.000	90	67742	20.0	19.1	
70 Ethyl acrylate	55	4.769	4.769	0.000	97	121585	20.0	19.3	
71 1,2-Dichloropropane	63	4.927	4.927	0.000	93	65026	20.0	19.6	
* 72 1,4-Dioxane-d8	96	5.000	5.000	0.000	0	35596	1000.0	1000.0	
73 Methyl methacrylate	100	5.019	5.019	0.000	94	25082	40.0	38.9	
75 1,4-Dioxane	88	5.055	5.055	0.000	44	9637	400.0	351.9	
74 Dibromomethane	93	5.061	5.061	0.000	98	41910	20.0	19.7	
76 n-Propyl acetate	43	5.079	5.079	0.000	98	78188	20.0	19.6	
77 Dichlorobromomethane	83	5.219	5.219	0.000	100	81664	20.0	20.0	
78 2-Nitropropane	41	5.572	5.572	0.000	94	28703	40.0	35.5	
79 2-Chloroethyl vinyl ether	63	5.584	5.584	0.000	86	24643	20.0	20.9	
80 Epichlorohydrin	57	5.688	5.688	0.000	100	95265	400.0	378.6	
81 cis-1,3-Dichloropropene	75	5.749	5.749	0.000	93	102762	20.0	19.4	
82 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.000	98	262972	100.0	100.6	
$ 83 Toluene-d8 (Surr)	98	5.998	5.998	0.000	99	547881	50.0	48.5	
84 Toluene	91	6.083	6.083	0.000	94	228933	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.485	6.485	0.000	98	88555	20.0	19.0	
86 Ethyl methacrylate	69	6.527	6.527	0.000	93	72821	20.0	22.1	
87 1,1,2-Trichloroethane	83	6.710	6.710	0.000	98	47422	20.0	19.0	
88 Tetrachloroethene	166	6.746	6.746	0.000	96	54878	20.0	19.1	
89 1,3-Dichloropropane	76	6.941	6.941	0.000	97	81172	20.0	18.9	
90 2-Hexanone	58	7.032	7.032	0.000	98	106164	100.0	109.2	
91 n-Butyl acetate	43	7.178	7.178	0.000	98	92594	20.0	22.4	
92 Chlorodibromomethane	129	7.196	7.196	0.000	98	63352	20.0	19.6	
93 Ethylene Dibromide	107	7.361	7.361	0.000	99	58542	20.0	19.5	
* 94 Chlorobenzene-d5	117	7.951	7.951	0.000	87	489097	50.0	50.0	
95 Chlorobenzene	112	7.987	7.987	0.000	95	145240	20.0	19.8	
96 Ethylbenzene	106	8.103	8.103	0.000	98	77078	20.0	20.0	
97 1,1,1,2-Tetrachloroethane	131	8.115	8.115	0.000	97	51709	20.0	18.6	
98 m-Xylene & p-Xylene	106	8.249	8.249	0.000	0	94831	20.0	20.0	
99 o-Xylene	106	8.705	8.705	0.000	93	92213	20.0	20.2	
100 n-Butyl acrylate	73	8.730	8.730	0.000	96	45010	20.0	20.0	
101 Styrene	104	8.742	8.742	0.000	95	161169	20.0	20.5	
103 Bromoform	173	8.955	8.955	0.000	96	42751	20.0	19.2	
102 Amyl acetate (mixed isomers)	43	8.973	8.973	0.000	88	105684	20.0	20.5	
104 Isopropylbenzene	105	9.088	9.088	0.000	96	198759	20.0	20.2	
$ 105 4-Bromofluorobenzene	174	9.289	9.289	0.000	92	181376	50.0	50.7	
106 Bromobenzene	156	9.417	9.417	0.000	96	66422	20.0	20.0	
107 1,1,2,2-Tetrachloroethane	83	9.490	9.490	0.000	99	72666	20.0	21.0	
108 N-Propylbenzene	91	9.502	9.502	0.000	99	257481	20.0	20.5	
109 1,2,3-Trichloropropane	110	9.526	9.526	0.000	98	16355	20.0	20.6	
110 trans-1,4-Dichloro-2-butene	53	9.551	9.551	0.000	93	19644	20.0	19.5	a
111 2-Chlorotoluene	91	9.599	9.599	0.000	98	180273	20.0	20.0	
112 4-Ethyltoluene	105	9.612	9.612	0.000	98	209312	20.0	19.9	
113 1,3,5-Trimethylbenzene	105	9.679	9.679	0.000	92	178754	20.0	20.3	
114 4-Chlorotoluene	91	9.709	9.709	0.000	98	171711	20.0	19.8	
115 Butyl Methacrylate	87	9.800	9.800	0.000	92	73894	20.0	20.4	
116 tert-Butylbenzene	119	9.958	9.958	0.000	93	136930	20.0	20.1	
117 1,2,4-Trimethylbenzene	105	10.019	10.019	0.000	98	186420	20.0	20.2	
118 sec-Butylbenzene	105	10.153	10.153	0.000	99	193871	20.0	19.6	
120 1,3-Dichlorobenzene	146	10.281	10.281	0.000	96	109023	20.0	19.5	
119 4-Isopropyltoluene	119	10.287	10.287	0.000	98	170206	20.0	19.9	
* 121 1,4-Dichlorobenzene-d4	152	10.342	10.342	0.000	96	253747	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.366	10.366	0.000	96	114000	20.0	19.6	
123 1,2,3-Trimethylbenzene	105	10.384	10.384	0.000	99	200833	20.0	20.1	
124 Benzyl chloride	91	10.494	10.494	0.000	99	123017	20.0	19.7	
125 2,3-Dihydroindene	117	10.548	10.548	0.000	95	192639	20.0	19.8	
126 p-Diethylbenzene	119	10.609	10.609	0.000	92	98960	20.0	19.9	
127 n-Butylbenzene	92	10.628	10.628	0.000	97	82638	20.0	19.7	
128 1,2-Dichlorobenzene	146	10.676	10.676	0.000	97	107161	20.0	19.5	
129 1,2,4,5-Tetramethylbenzene	119	11.236	11.236	0.000	97	169761	20.0	20.1	
130 1,2-Dibromo-3-Chloropropane	157	11.315	11.315	0.000	97	14146	20.0	17.9	
131 1,3,5-Trichlorobenzene	180	11.424	11.424	0.000	98	71384	20.0	19.2	
132 1,2,4-Trichlorobenzene	180	11.905	11.905	0.000	94	68716	20.0	19.4	
133 Hexachlorobutadiene	225	11.984	11.984	0.000	96	22564	20.0	18.3	
134 Naphthalene	128	12.088	12.088	0.000	99	180021	20.0	19.4	
135 1,2,3-Trichlorobenzene	180	12.258	12.258	0.000	96	61040	20.0	19.0	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	40.2	
S 138 Total BTEX	1				0		100.0	98.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

524FREONS_00016	Amount Added: 20.00	Units: uL	
ACROLEIN W_00167	Amount Added: 4.00	Units: uL	
GASES Li_00578	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00185	Amount Added: 20.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 04-Apr-2024 11:04:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02835.D

Injection Date: 03-Apr-2024 18:46:30 Instrument ID: CVOAMS8 Operator ID:

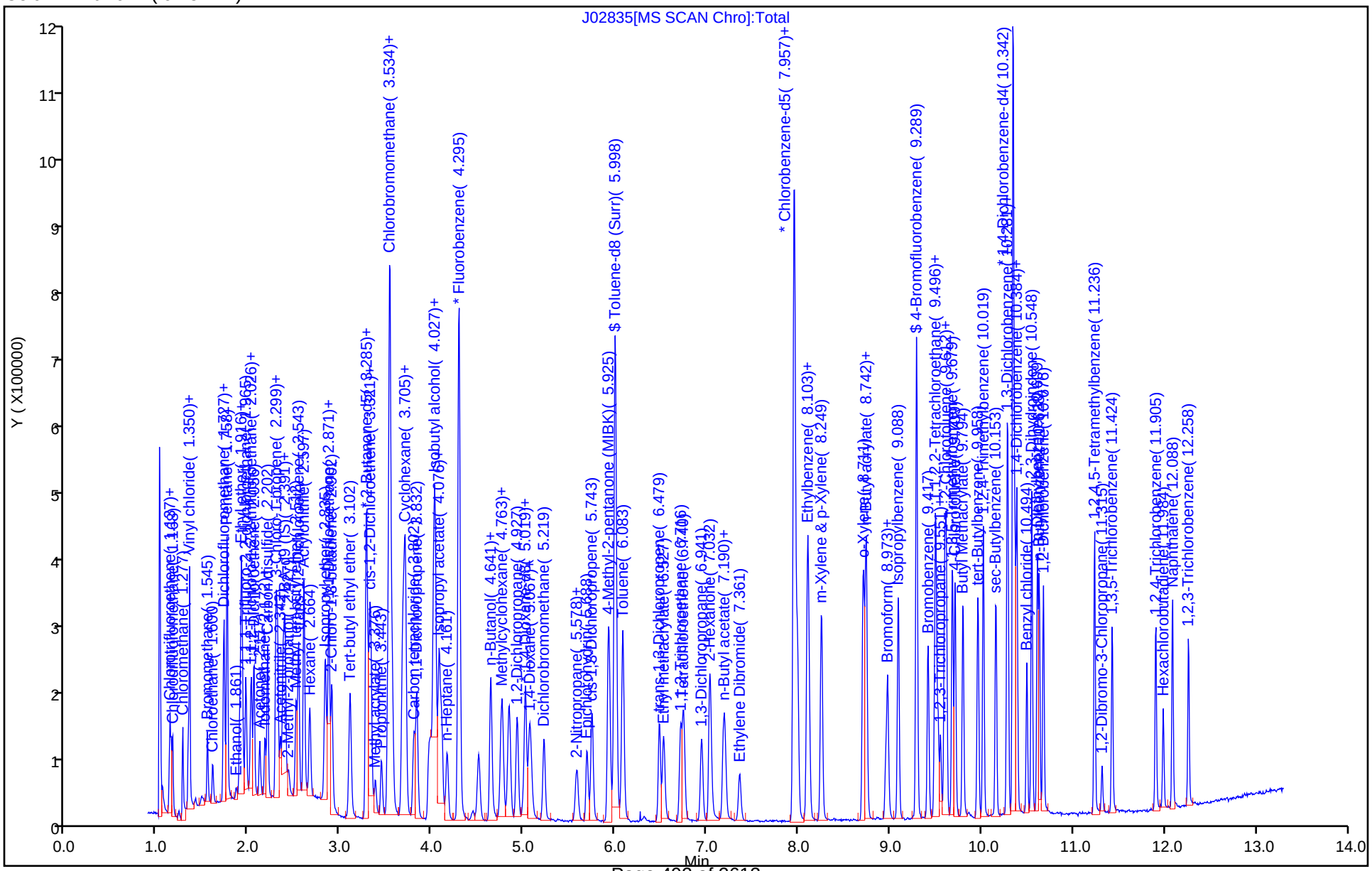
Lims ID: STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

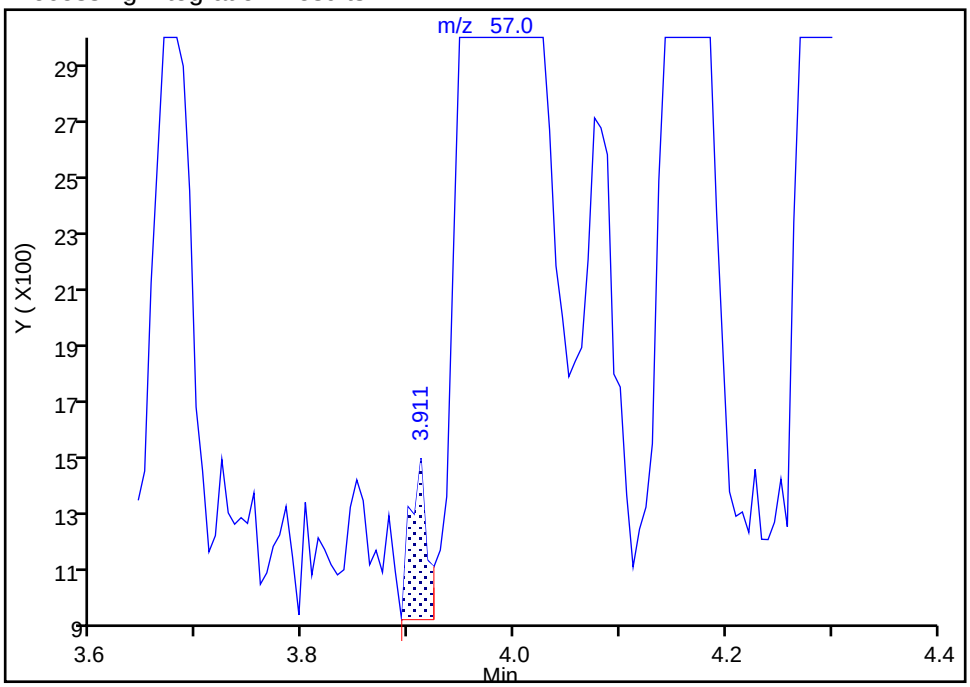
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02835.D
Injection Date: 03-Apr-2024 18:46:30 Instrument ID: CVOAMS8
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Signal: 1

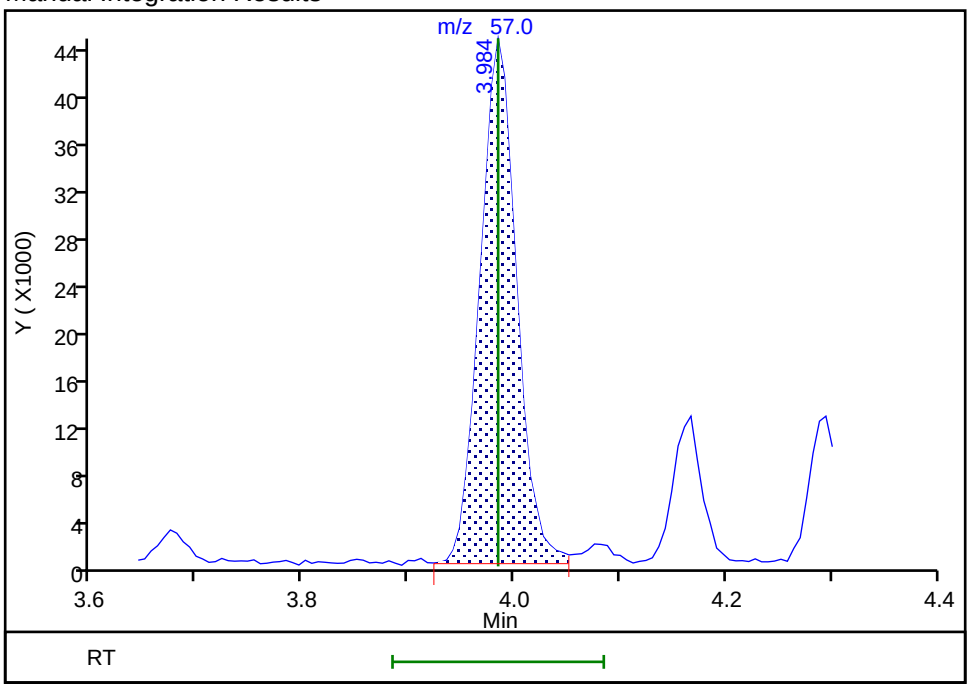
Processing Integration Results

RT: 3.91
Area: 635
Amount: 0.187739
Amount Units: ug/l



Manual Integration Results

RT: 3.98
Area: 104625
Amount: 20.432191
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:37:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

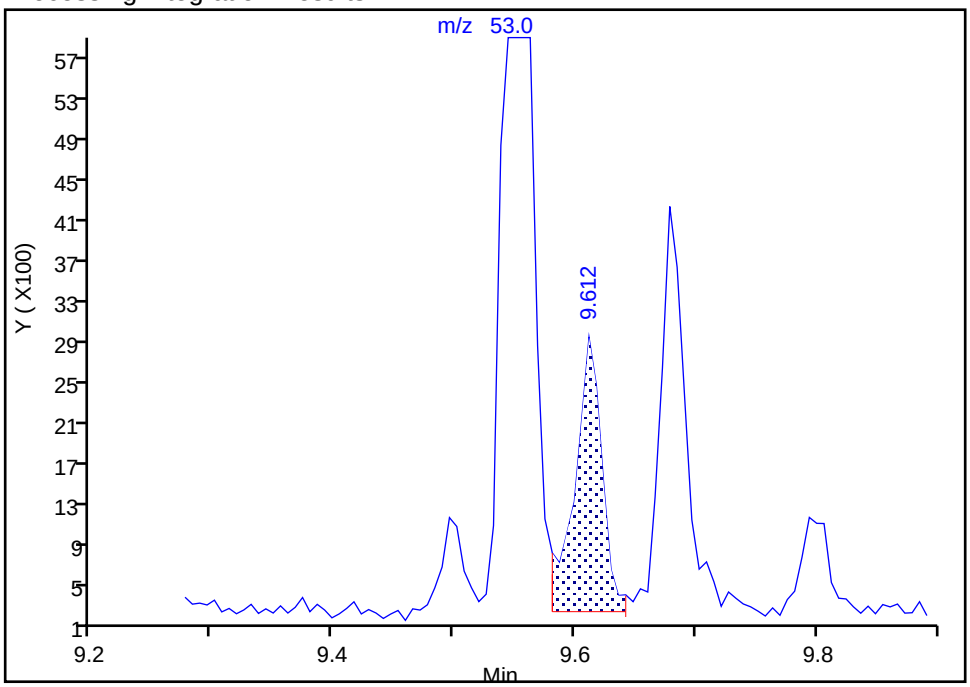
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02835.D
Injection Date: 03-Apr-2024 18:46:30 Instrument ID: CVOAMS8
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

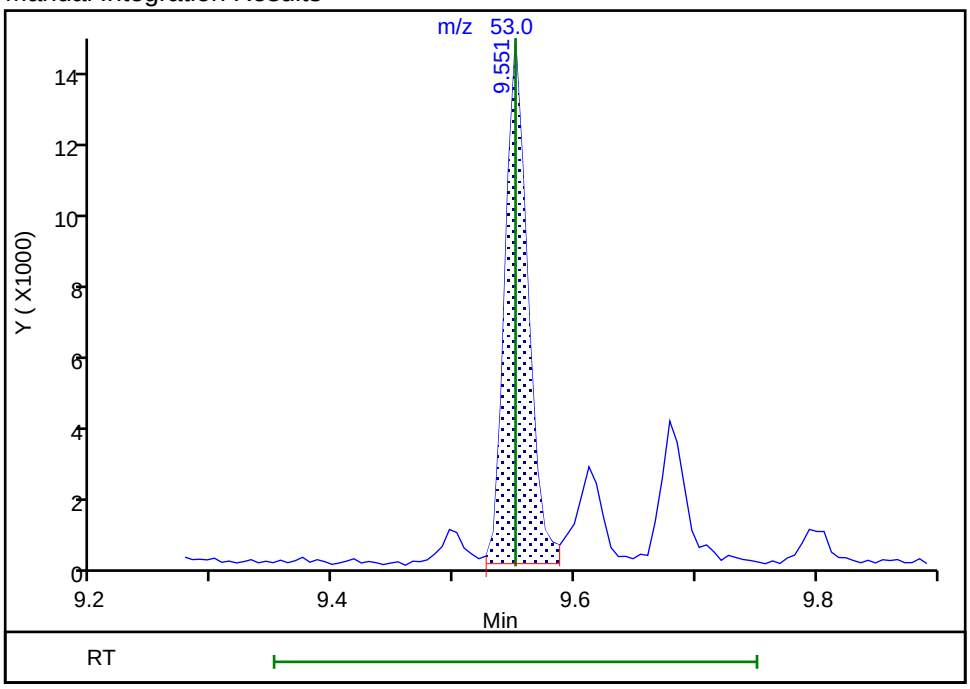
Processing Integration Results

RT: 9.61
Area: 4238
Amount: 5.641219
Amount Units: ug/l



Manual Integration Results

RT: 9.55
Area: 19644
Amount: 19.462217
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:37:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02836.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Apr-2024 19:11:30 ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0174171-007
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub73

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 04-Apr-2024 11:04:49 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: HVW2 Date: 03-Apr-2024 23:22:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.131	1.125	0.006	92	11631	50.0	49.1	
4 Dichlorodifluoromethane	85	1.149	1.150	-0.001	100	136444	50.0	48.2	
5 Chlorodifluoromethane	67	1.167	1.168	-0.001	99	22778	50.0	49.1	
6 Chloromethane	50	1.277	1.277	0.000	99	181329	50.0	51.1	
7 Vinyl chloride	62	1.338	1.338	0.000	98	154743	50.0	51.1	
8 Butadiene	54	1.350	1.350	0.000	98	178163	50.0	53.2	
9 Bromomethane	94	1.544	1.545	-0.001	99	96702	50.0	47.8	
10 Chloroethane	64	1.599	1.600	-0.001	100	75047	50.0	48.4	
12 Dichlorofluoromethane	67	1.721	1.721	0.000	98	236962	50.0	50.0	
11 Trichlorofluoromethane	101	1.727	1.727	0.000	99	207015	50.0	53.6	
13 Pentane	43	1.757	1.758	-0.001	95	416659	100.0	99.0	
14 Ethanol	46	1.861	1.855	0.006	96	17687	2000.0	2009.4	
15 Ethyl ether	59	1.897	1.898	-0.001	95	104848	50.0	49.7	
16 2-Methyl-1,3-butadiene	53	1.916	1.916	0.000	98	127104	50.0	53.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.928	1.928	0.000	95	102596	50.0	47.2	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.964	1.965	-0.001	97	188828	50.0	47.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.019	2.019	0.000	98	135874	50.0	51.8	
19 Acrolein	56	2.025	2.026	-0.001	96	33458	100.0	100.1	
21 1,1-Dichloroethene	96	2.055	2.056	-0.001	99	123444	50.0	49.7	
22 Acetone	43	2.116	2.117	-0.001	86	168411	250.0	226.8	
23 Iodomethane	142	2.171	2.172	-0.001	97	169493	50.0	53.1	
25 Isopropyl alcohol	45	2.177	2.178	-0.001	96	57875	500.0	469.7	
24 Carbon disulfide	76	2.201	2.202	-0.001	99	496762	50.0	50.5	
26 3-Chloro-1-propene	76	2.293	2.293	0.000	96	79678	50.0	49.4	
28 Methyl acetate	43	2.299	2.299	0.000	99	152654	100.0	95.3	
27 Cyclopentene	67	2.311	2.311	0.000	96	283550	50.0	49.4	
29 Acetonitrile	41	2.341	2.342	-0.001	98	148427	500.0	540.3	
* 30 TBA-d9 (IS)	65	2.378	2.372	0.006	81	217922	1000.0	1000.0	
31 Methylene Chloride	84	2.396	2.397	-0.001	94	138170	50.0	49.0	
32 2-Methyl-2-propanol	59	2.433	2.433	0.000	98	83820	500.0	495.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.518	2.512	0.006	98	321958	50.0	47.9	
34 trans-1,2-Dichloroethene	96	2.542	2.543	-0.001	97	142216	50.0	47.5	
35 Acrylonitrile	53	2.597	2.597	0.000	93	441071	500.0	506.2	
36 Hexane	57	2.664	2.664	0.000	93	134548	50.0	48.8	
37 Isopropyl ether	45	2.834	2.835	-0.001	98	423738	50.0	44.4	
38 1,1-Dichloroethane	63	2.865	2.865	0.000	99	285248	50.0	48.8	
39 Vinyl acetate	43	2.871	2.877	-0.006	100	384891	100.0	72.4	
40 2-Chloro-1,3-butadiene	88	2.901	2.908	-0.007	91	129448	50.0	49.5	
41 Tert-butyl ethyl ether	59	3.102	3.102	0.000	87	406434	50.0	48.7	
* 43 2-Butanone-d5	46	3.278	3.279	-0.001	93	348586	250.0	250.0	
42 2,2-Dichloropropane	79	3.290	3.285	0.005	95	70595	50.0	47.7	
44 cis-1,2-Dichloroethene	96	3.315	3.315	0.000	96	164518	50.0	47.0	
46 2-Butanone (MEK)	72	3.327	3.327	0.000	95	69728	250.0	235.4	
45 Ethyl acetate	70	3.327	3.333	-0.006	95	25725	100.0	91.9	
47 Methyl acrylate	55	3.382	3.382	0.000	100	110100	50.0	46.5	
48 Propionitrile	54	3.443	3.443	-0.001	98	185874	500.0	496.6	
50 Chlorobromomethane	128	3.516	3.516	0.000	96	80928	50.0	50.0	
49 Tetrahydrofuran	72	3.522	3.522	0.000	92	29970	100.0	100.8	
51 Methacrylonitrile	67	3.534	3.540	-0.006	94	560783	500.0	489.4	
52 Chloroform	83	3.564	3.565	-0.001	99	268959	50.0	47.2	
53 Cyclohexane	84	3.680	3.680	0.000	95	196605	50.0	50.1	
54 1,1,1-Trichloroethane	97	3.692	3.692	0.000	99	219454	50.0	48.2	
$ 55 Dibromofluoromethane (Surr)	113	3.710	3.705	0.005	97	174065	50.0	48.9	
56 Carbon tetrachloride	117	3.801	3.802	-0.001	99	189841	50.0	49.8	
57 1,1-Dichloropropene	75	3.832	3.832	0.000	96	206164	50.0	50.6	
58 Isobutyl alcohol	43	3.960	3.966	-0.006	94	161203	1250.0	1195.3	
59 Isooctane	57	3.984	3.984	0.000	95	255941	50.0	48.7	a
60 Benzene	78	4.014	4.015	-0.001	97	609207	50.0	49.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.033	4.033	0.000	0	177431	50.0	48.4	
62 Isopropyl acetate	43	4.075	4.076	-0.001	95	356756	50.0	45.0	
63 Tert-amyl methyl ether	55	4.075	4.082	-0.007	92	83545	50.0	45.3	
64 1,2-Dichloroethane	62	4.106	4.106	0.000	96	190705	50.0	49.0	
65 n-Heptane	57	4.160	4.167	-0.007	97	57173	50.0	49.9	
* 66 Fluorobenzene	96	4.294	4.295	-0.001	99	695517	50.0	50.0	
67 n-Butanol	56	4.617	4.629	-0.012	96	62632	1250.0	1229.6	
68 Trichloroethene	95	4.641	4.641	0.000	99	161980	50.0	49.6	
69 Methylcyclohexane	83	4.757	4.757	0.000	90	180830	50.0	49.8	
70 Ethyl acrylate	55	4.763	4.769	-0.006	97	313993	50.0	48.6	
71 1,2-Dichloropropane	63	4.927	4.927	0.000	92	169372	50.0	49.8	
* 72 1,4-Dioxane-d8	96	4.994	5.000	-0.006	0	35842	1000.0	1000.0	
73 Methyl methacrylate	100	5.018	5.019	-0.001	94	60379	100.0	91.2	
75 1,4-Dioxane	88	5.055	5.055	0.000	44	25665	1000.0	930.7	
74 Dibromomethane	93	5.061	5.061	0.000	98	105643	50.0	48.5	
76 n-Propyl acetate	43	5.079	5.079	0.000	98	193858	50.0	47.3	
77 Dichlorobromomethane	83	5.219	5.219	0.000	99	205594	50.0	49.0	
78 2-Nitropropane	41	5.566	5.572	-0.006	98	70117	100.0	96.8	
79 2-Chloroethyl vinyl ether	63	5.584	5.584	0.000	86	61925	50.1	51.2	
80 Epichlorohydrin	57	5.687	5.688	-0.001	99	237187	1000.0	1005.5	
81 cis-1,3-Dichloropropene	75	5.742	5.749	-0.007	93	257611	50.0	48.7	
82 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.000	98	623548	250.0	254.3	
$ 83 Toluene-d8 (Surr)	98	5.998	5.998	0.000	99	561882	50.0	49.8	
84 Toluene	91	6.083	6.083	0.000	93	576128	50.0	48.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.478	6.485	-0.007	97	220668	50.0	47.4	
86 Ethyl methacrylate	69	6.527	6.527	0.000	94	167909	50.0	49.6	
87 1,1,2-Trichloroethane	83	6.709	6.710	-0.001	97	115549	50.0	46.3	
88 Tetrachloroethene	166	6.746	6.746	0.000	97	139383	50.0	48.5	
89 1,3-Dichloropropane	76	6.941	6.941	-0.001	98	211464	50.0	49.3	
90 2-Hexanone	58	7.032	7.032	0.000	98	242480	250.0	266.0	
91 n-Butyl acetate	43	7.178	7.178	0.000	98	215139	50.0	52.1	
92 Chlorodibromomethane	129	7.196	7.196	0.000	99	157971	50.0	48.8	
93 Ethylene Dibromide	107	7.354	7.361	-0.007	98	145595	50.0	48.4	
* 94 Chlorobenzene-d5	117	7.950	7.951	-0.001	87	489265	50.0	50.0	
95 Chlorobenzene	112	7.987	7.987	0.000	94	362243	50.0	49.3	
96 Ethylbenzene	106	8.096	8.103	-0.007	99	187530	50.0	48.6	
97 1,1,1,2-Tetrachloroethane	131	8.115	8.115	0.000	97	132444	50.0	47.7	
98 m-Xylene & p-Xylene	106	8.248	8.249	-0.001	0	233973	50.0	49.3	
99 o-Xylene	106	8.705	8.705	0.000	93	232002	50.0	50.9	
100 n-Butyl acrylate	73	8.723	8.730	-0.007	96	109887	50.0	48.7	
101 Styrene	104	8.741	8.742	-0.001	94	397798	50.0	50.6	
103 Bromoform	173	8.954	8.955	-0.001	97	108741	50.0	48.9	
102 Amyl acetate (mixed isomers)	43	8.972	8.973	-0.001	88	257528	50.0	49.7	
104 Isopropylbenzene	105	9.088	9.088	0.000	96	492083	50.0	49.9	
$ 105 4-Bromofluorobenzene	174	9.289	9.289	0.000	93	184055	50.0	51.5	
106 Bromobenzene	156	9.416	9.417	-0.001	95	164585	50.0	49.4	
107 1,1,2,2-Tetrachloroethane	83	9.489	9.490	-0.001	98	168207	50.0	48.3	
108 N-Propylbenzene	91	9.502	9.502	0.000	99	637355	50.0	50.4	
109 1,2,3-Trichloropropane	110	9.526	9.526	0.000	98	39320	50.0	49.2	
110 trans-1,4-Dichloro-2-butene	53	9.550	9.551	-0.001	92	49109	50.0	48.4	a
111 2-Chlorotoluene	91	9.593	9.599	-0.006	97	452538	50.0	49.9	
112 4-Ethyltoluene	105	9.617	9.612	0.005	98	523730	50.0	49.5	
113 1,3,5-Trimethylbenzene	105	9.684	9.679	0.005	92	436304	50.0	49.4	
114 4-Chlorotoluene	91	9.708	9.709	-0.001	97	432966	50.0	49.6	
115 Butyl Methacrylate	87	9.794	9.800	-0.006	93	177360	50.0	48.7	
116 tert-Butylbenzene	119	9.958	9.958	0.000	93	340258	50.0	49.7	
117 1,2,4-Trimethylbenzene	105	10.019	10.019	0.000	98	453012	50.0	48.8	
118 sec-Butylbenzene	105	10.159	10.153	0.006	99	499225	50.0	50.3	
120 1,3-Dichlorobenzene	146	10.280	10.281	-0.001	96	279351	50.0	49.8	
119 4-Isopropyltoluene	119	10.286	10.287	-0.001	98	424915	50.0	49.4	
* 121 1,4-Dichlorobenzene-d4	152	10.347	10.342	0.005	95	255064	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.365	10.366	-0.001	96	284528	50.0	48.6	
123 1,2,3-Trimethylbenzene	105	10.384	10.384	0.000	99	491832	50.0	48.9	
124 Benzyl chloride	91	10.493	10.494	-0.001	99	315822	50.0	50.3	
125 2,3-Dihydroindene	117	10.548	10.548	0.000	95	492526	50.0	50.3	
126 p-Diethylbenzene	119	10.609	10.609	0.000	92	250365	50.0	50.2	
127 n-Butylbenzene	92	10.627	10.628	-0.001	97	205381	50.0	48.7	
128 1,2-Dichlorobenzene	146	10.676	10.676	0.000	97	272776	50.0	49.3	
129 1,2,4,5-Tetramethylbenzene	119	11.235	11.236	-0.001	97	416531	50.0	49.1	
130 1,2-Dibromo-3-Chloropropane	157	11.315	11.315	0.000	96	36055	50.0	45.4	
131 1,3,5-Trichlorobenzene	180	11.424	11.424	0.000	97	180959	50.0	48.3	
132 1,2,4-Trichlorobenzene	180	11.905	11.905	0.000	94	177818	50.0	50.0	
133 Hexachlorobutadiene	225	11.984	11.984	0.000	97	60366	50.0	48.6	
134 Naphthalene	128	12.087	12.088	-0.001	99	466971	50.0	50.1	
135 1,2,3-Trichlorobenzene	180	12.257	12.258	-0.001	96	163151	50.0	50.5	
S 136 1,2-Dichloroethene, Total	100				0		100.0	94.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		100.0	100.2	
S 138 Total BTEX	1				0		250.0	246.5	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

524FREONS_00016	Amount Added:	50.00	Units: uL	
ACROLEIN W_00167	Amount Added:	10.00	Units: uL	
GASES Li_00578	Amount Added:	50.00	Units: uL	
8260MIX1COMB_00185	Amount Added:	50.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Apr-2024 11:04:50 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02836.D

Injection Date: 03-Apr-2024 19:11:30 Instrument ID: CVOAMS8 Operator ID:

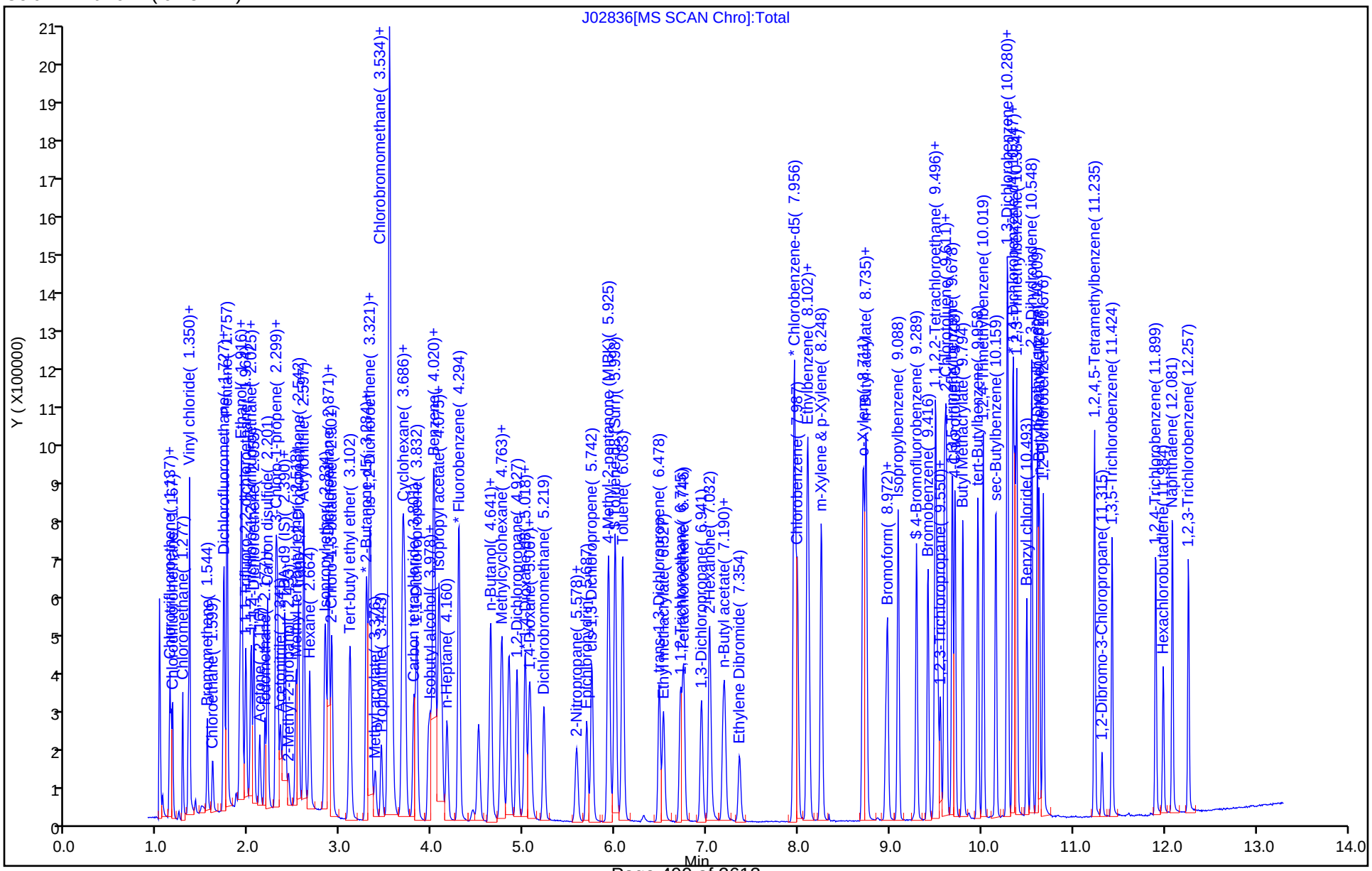
Lims ID: STD50 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

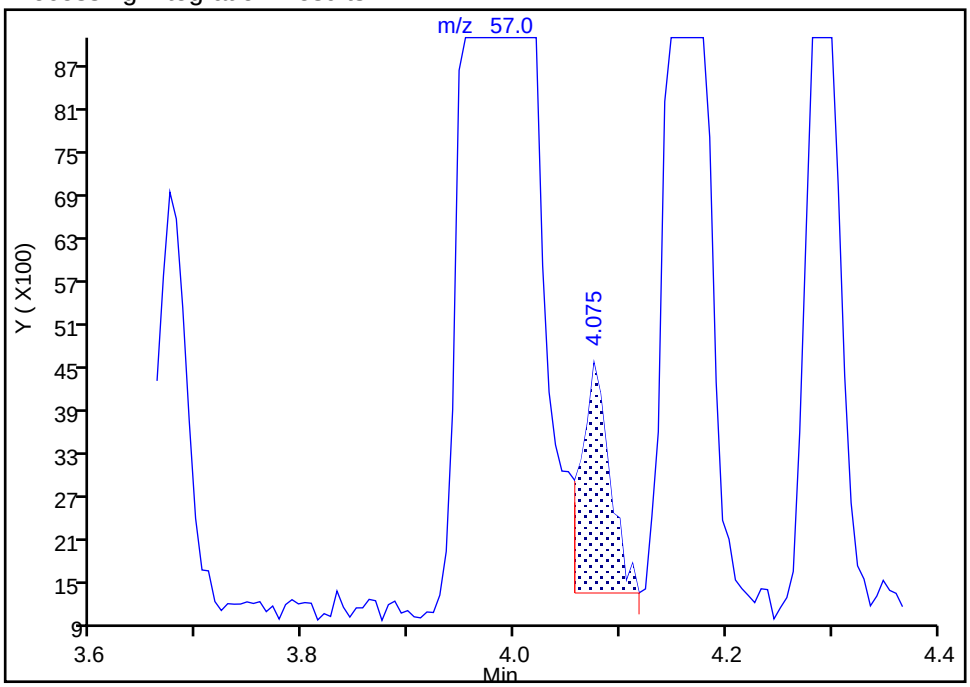
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Injection Date: 03-Apr-2024 19:11:30 Instrument ID: CVOAMS8
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Signal: 1

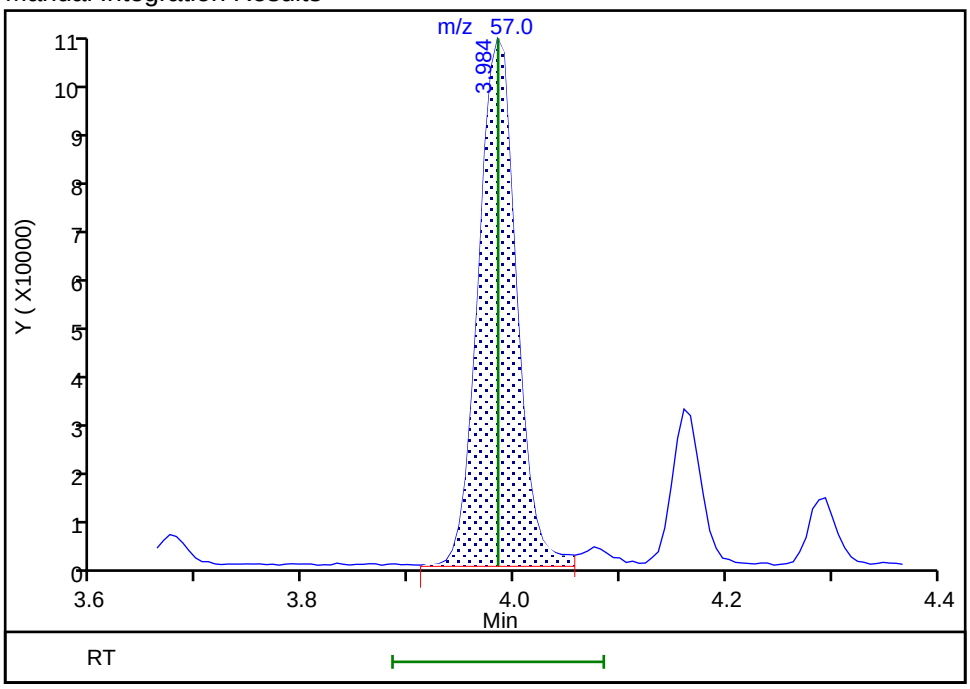
Processing Integration Results

RT: 4.08
Area: 6043
Amount: 1.713726
Amount Units: ug/l



Manual Integration Results

RT: 3.98
Area: 255941
Amount: 48.717992
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:39:07 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

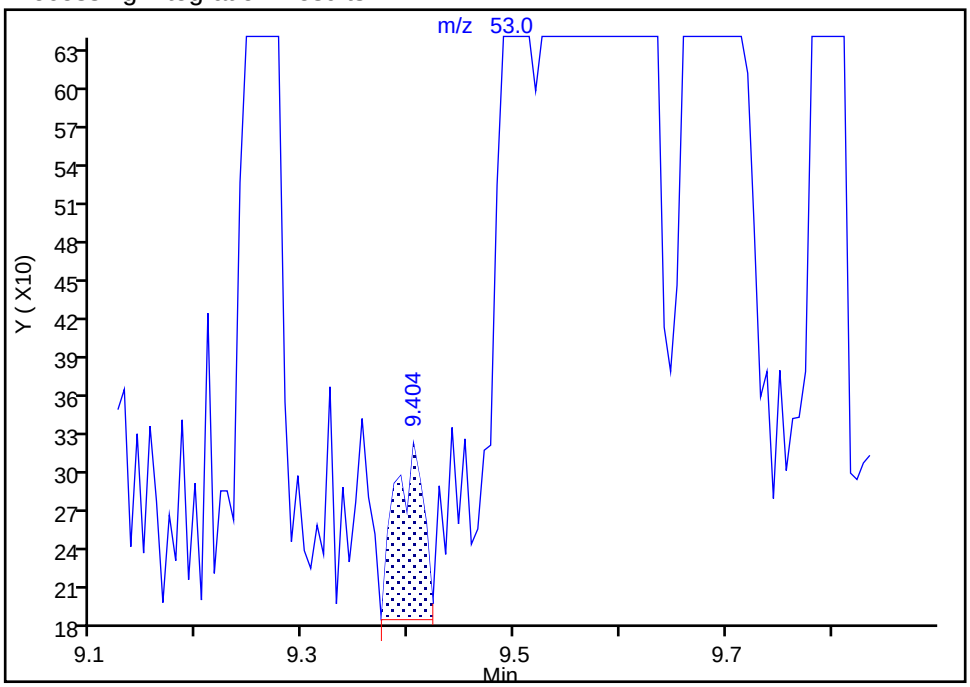
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Injection Date: 03-Apr-2024 19:11:30 Instrument ID: CVOAMS8
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

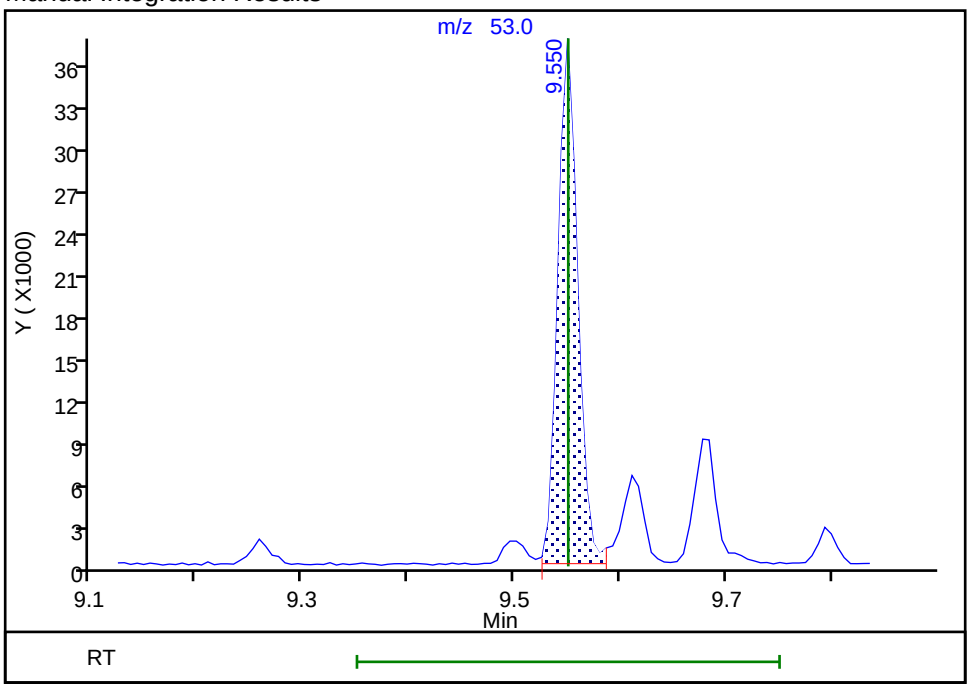
Processing Integration Results

RT: 9.40
Area: 261
Amount: 0.361807
Amount Units: ug/l



Manual Integration Results

RT: 9.55
Area: 49109
Amount: 48.403327
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:39:35 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02837.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 03-Apr-2024 19:36:30 ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0174171-008
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub73

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 04-Apr-2024 11:05:17 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: HVW2 Date: 03-Apr-2024 23:30:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.127	1.125	0.002	97	41366	200.0	174.4	
4 Dichlorodifluoromethane	85	1.151	1.150	0.001	100	680629	200.0	222.4	
5 Chlorodifluoromethane	67	1.169	1.168	0.001	99	90039	200.0	179.7	
6 Chloromethane	50	1.273	1.277	-0.004	99	726965	200.0	189.6	
7 Vinyl chloride	62	1.340	1.338	0.002	98	606058	200.0	185.3	
8 Butadiene	54	1.358	1.350	0.008	98	674227	200.0	186.3	
9 Bromomethane	94	1.546	1.545	0.001	99	404891	200.0	185.3	
10 Chloroethane	64	1.601	1.600	0.001	99	287176	200.0	171.5	
12 Dichlorofluoromethane	67	1.723	1.721	0.002	99	945832	200.0	184.6	
11 Trichlorofluoromethane	101	1.735	1.727	0.008	100	804816	200.0	192.9	
13 Pentane	43	1.759	1.758	0.001	96	1696594	400.0	373.0	
14 Ethanol	46	1.857	1.855	0.002	96	70237	8000.0	8292.1	
15 Ethyl ether	59	1.899	1.898	0.001	96	446393	200.0	198.2	
16 2-Methyl-1,3-butadiene	53	1.918	1.916	0.002	98	545317	200.0	210.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.930	1.928	0.002	96	477691	200.0	203.5	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.966	1.965	0.001	98	904496	200.0	208.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.021	2.019	0.002	98	571416	200.0	201.5	
19 Acrolein	56	2.027	2.026	0.001	96	72669	200.0	226.0	
21 1,1-Dichloroethene	96	2.057	2.056	0.001	99	536666	200.0	199.8	
22 Acetone	43	2.118	2.117	0.001	86	740118	1000.0	936.3	
23 Iodomethane	142	2.173	2.172	0.001	97	758815	200.0	219.7	
25 Isopropyl alcohol	45	2.179	2.178	0.001	99	225456	2000.0	1901.5	
24 Carbon disulfide	76	2.203	2.202	0.001	99	1891879	200.0	178.0	
26 3-Chloro-1-propene	76	2.295	2.293	0.002	97	331767	200.0	190.4	
28 Methyl acetate	43	2.301	2.299	0.002	100	669447	400.0	434.5	
27 Cyclopentene	67	2.313	2.311	0.002	95	1205024	200.0	194.3	
29 Acetonitrile	41	2.343	2.342	0.001	98	562741	2000.0	2128.6	
* 30 TBA-d9 (IS)	65	2.380	2.372	0.008	84	209707	1000.0	1000.0	
31 Methylene Chloride	84	2.398	2.397	0.001	94	521515	200.0	171.1	
32 2-Methyl-2-propanol	59	2.429	2.433	-0.004	98	311395	2000.0	1911.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.514	2.512	0.002	97	1499904	200.0	206.2	
34 trans-1,2-Dichloroethene	96	2.544	2.543	0.001	96	617162	200.0	190.7	
35 Acrylonitrile	53	2.599	2.597	0.002	93	1688678	2000.0	2013.8	
36 Hexane	57	2.666	2.664	0.002	93	620300	200.0	208.1	
37 Isopropyl ether	45	2.836	2.835	0.001	98	2094691	200.0	203.1	
38 1,1-Dichloroethane	63	2.867	2.865	0.002	99	1244868	200.0	197.1	
39 Vinyl acetate	43	2.873	2.877	-0.004	100	2497793	400.0	434.4	
40 2-Chloro-1,3-butadiene	88	2.903	2.908	-0.005	91	570480	200.0	201.6	
41 Tert-butyl ethyl ether	59	3.104	3.102	0.002	87	1939888	200.0	215.0	
* 43 2-Butanone-d5	46	3.280	3.279	0.001	82	371115	250.0	250.0	
42 2,2-Dichloropropane	79	3.286	3.285	0.001	97	290696	200.0	181.8	
44 cis-1,2-Dichloroethene	96	3.317	3.315	0.002	96	717273	200.0	189.4	
46 2-Butanone (MEK)	72	3.329	3.327	0.002	95	295889	1000.0	938.3	
45 Ethyl acetate	70	3.329	3.333	-0.004	95	120521	400.0	404.5	
47 Methyl acrylate	55	3.378	3.382	-0.004	100	523376	200.0	204.4	
48 Propionitrile	54	3.445	3.443	0.001	98	762338	2000.0	2116.5	
50 Chlorobromomethane	128	3.524	3.516	0.008	89	314877	200.0	179.8	
49 Tetrahydrofuran	72	3.518	3.522	-0.004	57	120768	400.0	381.5	
51 Methacrylonitrile	67	3.542	3.540	0.002	94	2345822	2000.0	1893.5	
52 Chloroform	83	3.566	3.565	0.001	99	1162517	200.0	188.5	
53 Cyclohexane	84	3.682	3.680	0.002	95	824818	200.0	194.4	
54 1,1,1-Trichloroethane	97	3.694	3.692	0.002	99	942948	200.0	191.5	
$ 55 Dibromofluoromethane (Surr)	113	3.706	3.705	0.001	96	183222	50.0	47.6	
56 Carbon tetrachloride	117	3.803	3.802	0.001	99	822266	200.0	199.6	
57 1,1-Dichloropropene	75	3.834	3.832	0.002	96	921802	200.0	209.1	
58 Isobutyl alcohol	43	3.956	3.966	-0.010	96	687046	5000.0	5294.0	
59 Isooctane	57	3.986	3.984	0.002	98	1160473	200.0	204.3	a
60 Benzene	78	4.016	4.015	0.001	97	2634175	200.0	208.7	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.035	4.033	0.002	0	193177	50.0	48.7	
62 Isopropyl acetate	43	4.071	4.076	-0.005	96	1673268	200.0	195.2	
63 Tert-amyl methyl ether	55	4.077	4.082	-0.005	92	388044	200.0	194.4	
64 1,2-Dichloroethane	62	4.108	4.106	0.002	97	823339	200.0	195.5	
65 n-Heptane	57	4.162	4.167	-0.005	97	253459	200.0	206.4	
* 66 Fluorobenzene	96	4.296	4.295	0.001	98	751982	50.0	50.0	
67 n-Butanol	56	4.613	4.629	-0.016	92	267665	5000.0	5286.4	
68 Trichloroethene	95	4.643	4.641	0.002	99	711597	200.0	201.4	
69 Methylcyclohexane	83	4.759	4.757	0.002	83	810354	200.0	206.3	
70 Ethyl acrylate	55	4.765	4.769	-0.004	98	1414555	200.0	202.5	
71 1,2-Dichloropropane	63	4.929	4.927	0.002	92	751277	200.0	204.1	
* 72 1,4-Dioxane-d8	96	5.002	5.000	0.002	0	35901	1000.0	1000.0	
73 Methyl methacrylate	100	5.020	5.019	0.001	94	258674	400.0	361.2	
75 1,4-Dioxane	88	5.051	5.055	-0.004	83	94822	4000.0	3433.0	
74 Dibromomethane	93	5.063	5.061	0.002	97	437694	200.0	185.8	
76 n-Propyl acetate	43	5.081	5.079	0.002	98	855956	200.0	193.0	
77 Dichlorobromomethane	83	5.221	5.219	0.002	100	907659	200.0	199.9	
78 2-Nitropropane	41	5.568	5.572	-0.004	98	306941	400.0	440.3	
79 2-Chloroethyl vinyl ether	63	5.586	5.584	0.002	85	235334	200.5	179.8	
80 Epichlorohydrin	57	5.689	5.688	0.001	99	961959	4000.0	3830.4	
81 cis-1,3-Dichloropropene	75	5.744	5.749	-0.005	94	1149317	200.0	213.8	
82 4-Methyl-2-pentanone (MIBK)	43	5.927	5.925	0.002	98	2525370	1000.0	967.5	
$ 83 Toluene-d8 (Surr)	98	6.000	5.998	0.002	99	592447	50.0	51.7	
84 Toluene	91	6.085	6.083	0.002	94	2428216	200.0	201.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.480	6.485	-0.005	97	981098	200.0	207.5	
86 Ethyl methacrylate	69	6.529	6.527	0.002	93	680435	200.0	186.0	
87 1,1,2-Trichloroethane	83	6.711	6.710	0.001	98	529898	200.0	209.1	
88 Tetrachloroethene	166	6.748	6.746	0.002	98	607866	200.0	208.4	
89 1,3-Dichloropropane	76	6.943	6.941	0.001	97	926074	200.0	212.9	
90 2-Hexanone	58	7.034	7.032	0.002	98	951821	1000.0	980.8	
91 n-Butyl acetate	43	7.180	7.178	0.002	98	852520	200.0	203.2	
92 Chlorodibromomethane	129	7.198	7.196	0.002	98	688692	200.0	209.4	
93 Ethylene Dibromide	107	7.356	7.361	-0.005	98	617861	200.0	202.4	
* 94 Chlorobenzene-d5	117	7.958	7.951	0.007	87	496745	50.0	50.0	
95 Chlorobenzene	112	7.989	7.987	0.002	94	1491580	200.0	199.8	
96 Ethylbenzene	106	8.098	8.103	-0.005	99	768930	200.0	196.5	
97 1,1,1,2-Tetrachloroethane	131	8.117	8.115	0.002	97	587744	200.0	208.5	
98 m-Xylene & p-Xylene	106	8.250	8.249	0.001	0	951236	200.0	197.5	
99 o-Xylene	106	8.707	8.705	0.002	93	921471	200.0	199.2	
100 n-Butyl acrylate	73	8.725	8.730	-0.005	97	435568	200.0	190.2	
101 Styrene	104	8.743	8.742	0.001	94	1613361	200.0	201.9	
103 Bromoform	173	8.956	8.955	0.001	97	447219	200.0	198.1	
102 Amyl acetate (mixed isomers)	43	8.974	8.973	0.001	88	969033	200.0	188.2	
104 Isopropylbenzene	105	9.090	9.088	0.002	96	1964056	200.0	196.3	
$ 105 4-Bromofluorobenzene	174	9.291	9.289	0.002	93	182619	50.0	50.3	
106 Bromobenzene	156	9.418	9.417	0.001	95	672696	200.0	202.9	
107 1,1,2,2-Tetrachloroethane	83	9.491	9.490	0.001	99	699367	200.0	201.8	
108 N-Propylbenzene	91	9.504	9.502	0.002	99	2552457	200.0	203.1	
109 1,2,3-Trichloropropane	110	9.528	9.526	0.002	99	157214	200.0	197.7	
110 trans-1,4-Dichloro-2-butene	53	9.552	9.551	0.001	93	196691	200.0	194.9	a
111 2-Chlorotoluene	91	9.601	9.599	0.002	97	1793281	200.0	198.8	
112 4-Ethyltoluene	105	9.613	9.612	0.001	98	2076611	200.0	197.3	
113 1,3,5-Trimethylbenzene	105	9.680	9.679	0.001	92	1735403	200.0	197.4	
114 4-Chlorotoluene	91	9.710	9.709	0.001	97	1763951	200.0	203.3	
115 Butyl Methacrylate	87	9.796	9.800	-0.004	92	692142	200.0	191.2	
116 tert-Butylbenzene	119	9.960	9.958	0.002	93	1315194	200.0	193.0	
117 1,2,4-Trimethylbenzene	105	10.021	10.019	0.002	98	1756647	200.0	190.4	
118 sec-Butylbenzene	105	10.155	10.153	0.002	99	1989165	200.0	201.6	
120 1,3-Dichlorobenzene	146	10.282	10.281	0.001	96	1147600	200.0	205.5	
119 4-Isopropyltoluene	119	10.288	10.287	0.001	98	1723964	200.0	201.6	
* 121 1,4-Dichlorobenzene-d4	152	10.343	10.342	0.001	97	253694	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.367	10.366	0.001	96	1167968	200.0	200.7	
123 1,2,3-Trimethylbenzene	105	10.386	10.384	0.002	99	1934519	200.0	193.2	
124 Benzyl chloride	91	10.495	10.494	0.001	99	1243069	200.0	199.1	
125 2,3-Dihydroindene	117	10.550	10.548	0.002	95	1970597	200.0	202.3	
126 p-Diethylbenzene	119	10.611	10.609	0.002	92	941800	200.0	189.9	
127 n-Butylbenzene	92	10.629	10.628	0.001	98	793011	200.0	189.0	
128 1,2-Dichlorobenzene	146	10.678	10.676	0.002	97	1102015	200.0	200.2	
129 1,2,4,5-Tetramethylbenzene	119	11.237	11.236	0.001	97	1672197	200.0	198.1	
130 1,2-Dibromo-3-Chloropropane	157	11.317	11.315	0.001	96	145544	200.0	184.1	
131 1,3,5-Trichlorobenzene	180	11.426	11.424	0.002	98	749356	200.0	201.3	
132 1,2,4-Trichlorobenzene	180	11.907	11.905	0.002	94	732722	200.0	207.1	
133 Hexachlorobutadiene	225	11.986	11.984	0.002	97	242534	200.0	196.3	
134 Naphthalene	128	12.083	12.088	-0.005	99	1927510	200.0	207.7	
135 1,2,3-Trichlorobenzene	180	12.259	12.258	0.001	96	678733	200.0	211.4	
S 136 1,2-Dichloroethene, Total	100				0		400.0	380.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		400.0	396.7	
S 138 Total BTEX	1				0		1000.0	1003.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN W_00167	Amount Added:	20.00	Units: uL	
Ethanol mix_00088	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00148	Amount Added:	20.00	Units: uL	
MIX I Hi_00175	Amount Added:	20.00	Units: uL	
7 Freons Hi_00013	Amount Added:	20.00	Units: uL	
GAS Hi_00466	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added:	1.00	Units: uL	Run Reagent

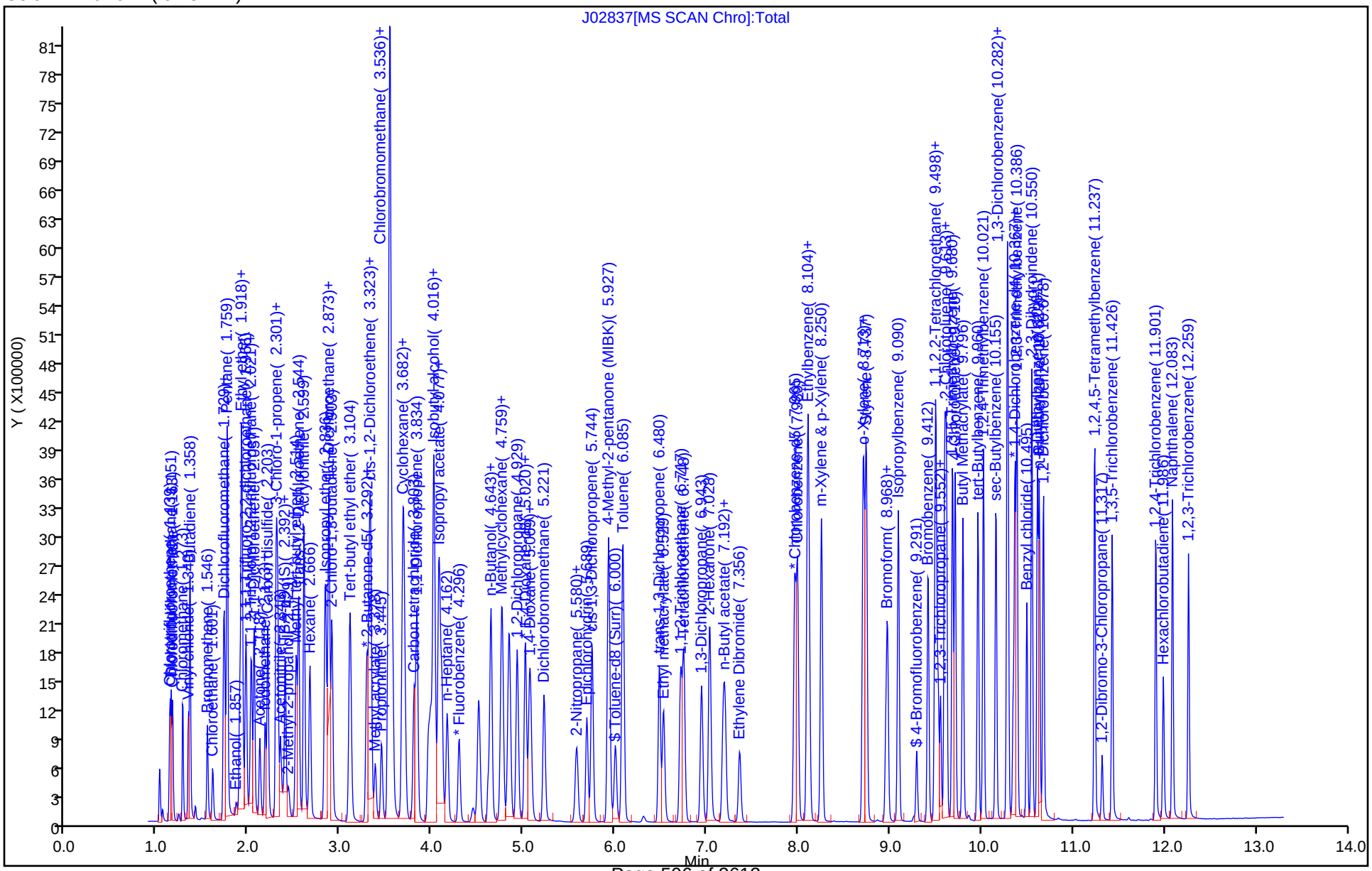
Report Date: 04-Apr-2024 11:05:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02837.D

Injection Date:	03-Apr-2024 19:36:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	STD200			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

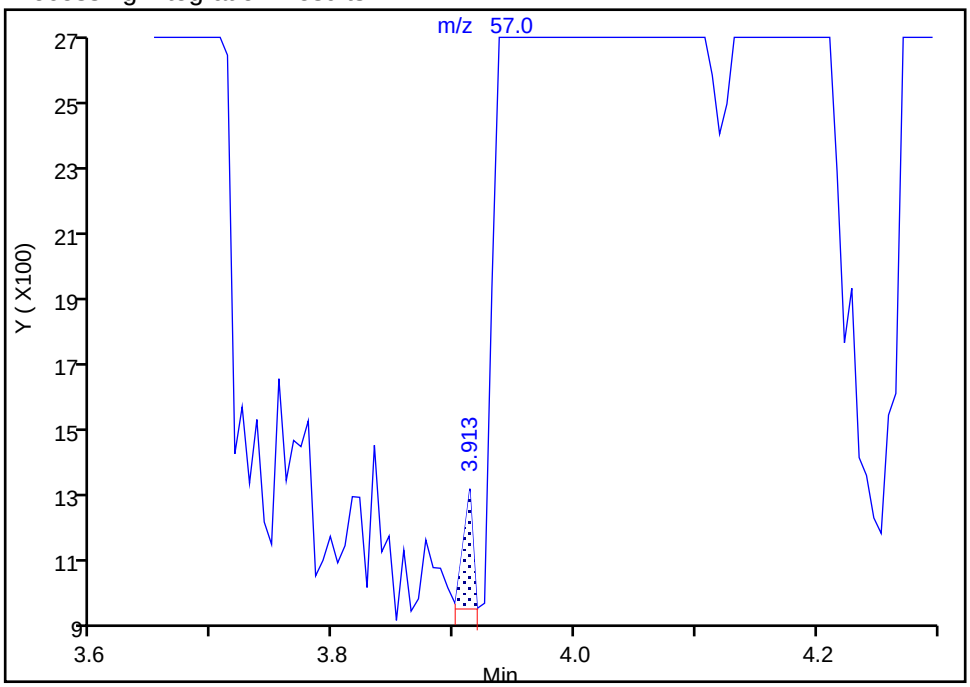
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Injection Date: 03-Apr-2024 19:36:30 Instrument ID: CVOAMS8
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Signal: 1

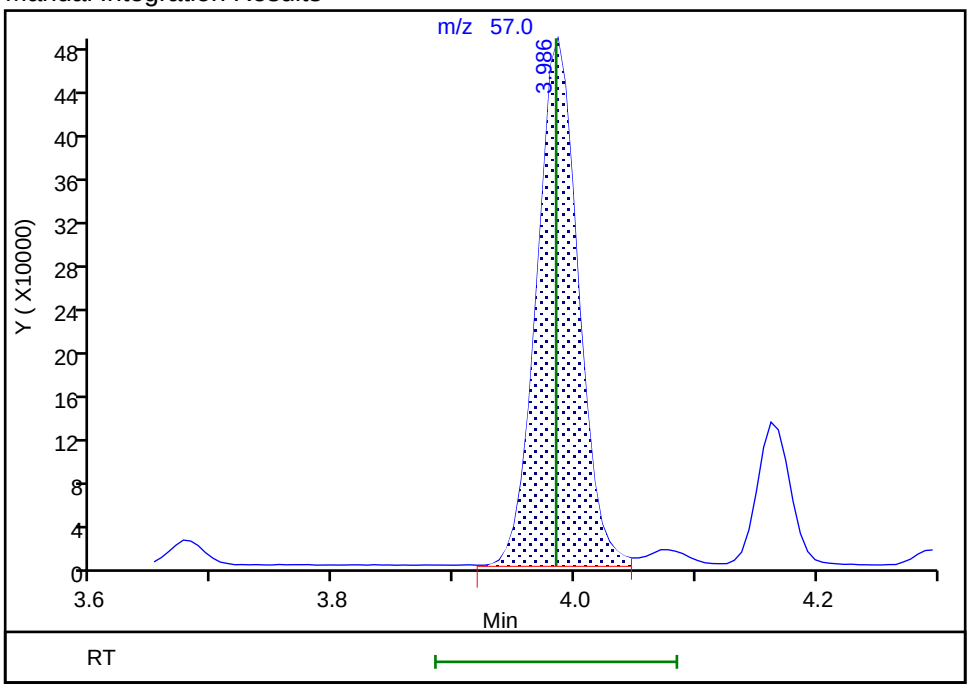
Processing Integration Results

RT: 3.91
Area: 197
Amount: 0.041798
Amount Units: ug/l



Manual Integration Results

RT: 3.99
Area: 1160473
Amount: 204.3078
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:40:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

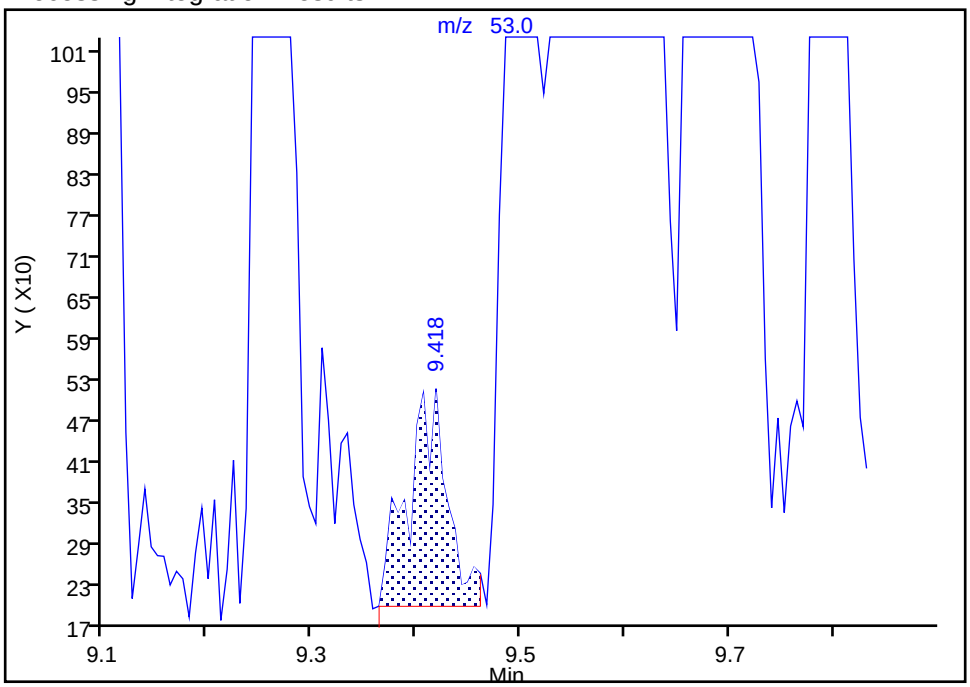
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Injection Date: 03-Apr-2024 19:36:30 Instrument ID: CVOAMS8
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

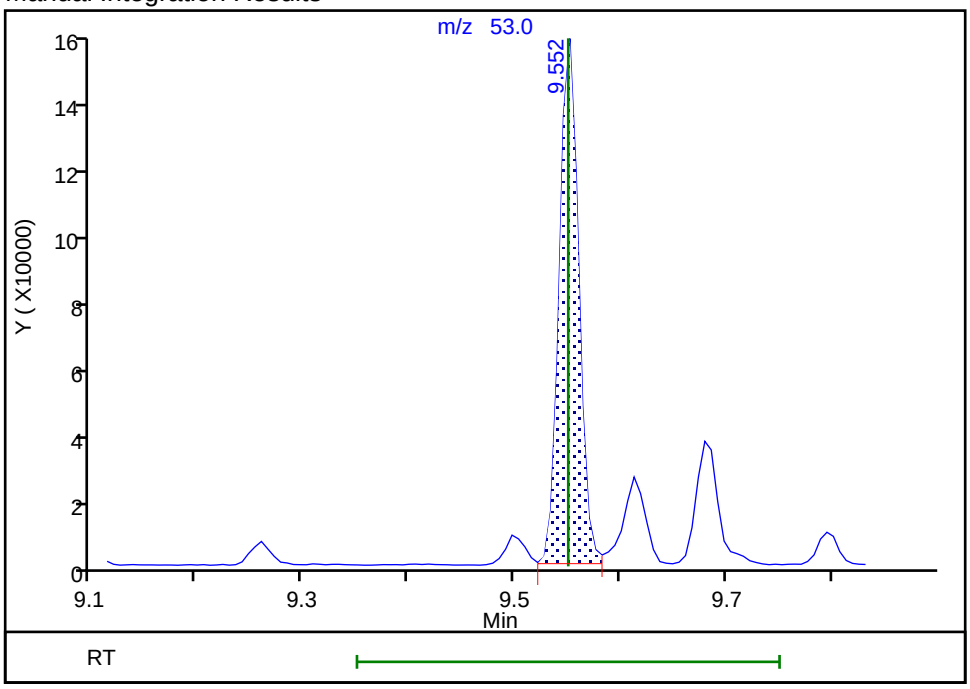
Processing Integration Results

RT: 9.42
Area: 840
Amount: 0.966164
Amount Units: ug/l



Manual Integration Results

RT: 9.55
Area: 196691
Amount: 194.9116
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:41:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Report Date: 04-Apr-2024 11:05:48 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02838.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Apr-2024 20:01:30 ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0174171-009
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub73

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 04-Apr-2024 11:05:46 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: HVW2 Date: 03-Apr-2024 23:13:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.131	1.125	0.006	85	97158	500.0	554.2	
4 Dichlorodifluoromethane	85	1.149	1.150	-0.001	100	1684749	500.0	555.0	
5 Chlorodifluoromethane	67	1.168	1.168	0.000	99	235446	500.0	473.5	
6 Chloromethane	50	1.277	1.277	0.000	99	1871917	500.0	492.1	
7 Vinyl chloride	62	1.338	1.338	0.000	99	1487280	500.0	458.3	
8 Butadiene	54	1.356	1.350	0.006	98	1537791	500.0	428.3	
9 Bromomethane	94	1.545	1.545	0.000	99	1076560	500.0	496.6	
10 Chloroethane	64	1.606	1.600	0.006	99	708806	500.0	426.6	
12 Dichlorofluoromethane	67	1.721	1.721	0.000	99	2190982	500.0	431.0	
11 Trichlorofluoromethane	101	1.733	1.727	0.006	100	1937787	500.0	468.2	
13 Pentane	43	1.764	1.758	0.006	94	3818083	1000.0	846.1	
14 Ethanol	46	1.861	1.855	0.006	96	171458	20000	20356	
15 Ethyl ether	59	1.898	1.898	0.000	95	1078027	500.0	483.6	
16 2-Methyl-1,3-butadiene	53	1.916	1.916	0.000	98	1327574	500.0	517.5	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.934	1.928	0.006	96	1140359	500.0	489.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.971	1.965	0.006	97	2076174	500.0	483.4	a
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.025	2.019	0.006	98	1444164	500.0	513.4	
19 Acrolein	56	2.032	2.026	0.005	94	136899	400.0	428.1	
21 1,1-Dichloroethene	96	2.062	2.056	0.006	99	1267522	500.0	475.6	
22 Acetone	43	2.117	2.117	0.000	86	1735616	2500.0	2384.4	
23 Iodomethane	142	2.178	2.172	0.006	97	1733808	500.0	506.0	
25 Isopropyl alcohol	45	2.184	2.178	0.006	99	581606	5000.0	4932.9	
24 Carbon disulfide	76	2.202	2.202	0.000	99	4350167	500.0	412.6	
26 3-Chloro-1-propene	76	2.299	2.293	0.006	95	703160	500.0	406.8	
28 Methyl acetate	43	2.299	2.299	0.000	100	1632994	1000.0	1065.9	
27 Cyclopentene	67	2.311	2.311	0.000	95	2953968	500.0	480.2	
29 Acetonitrile	41	2.348	2.342	0.006	98	1425582	5000.0	5422.7	
* 30 TBA-d9 (IS)	65	2.378	2.372	0.006	75	208534	1000.0	1000.0	
31 Methylene Chloride	84	2.397	2.397	0.000	94	1178433	500.0	389.7	
32 2-Methyl-2-propanol	59	2.433	2.433	0.000	99	805217	5000.0	4970.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.518	2.512	0.006	97	3668196	500.0	508.4	
34 trans-1,2-Dichloroethene	96	2.549	2.543	0.006	96	1457438	500.0	454.0	
35 Acrylonitrile	53	2.603	2.597	0.006	93	3876312	5000.0	4648.7	
36 Hexane	57	2.664	2.664	0.000	92	1580682	500.0	534.5	
37 Isopropyl ether	45	2.835	2.835	0.000	98	4811916	500.0	470.2	
38 1,1-Dichloroethane	63	2.871	2.865	0.006	99	2634782	500.0	420.5	
39 Vinyl acetate	43	2.877	2.877	0.000	100	5269468	1000.0	923.8	
40 2-Chloro-1,3-butadiene	88	2.908	2.908	0.000	91	1381878	500.0	492.2	
41 Tert-butyl ethyl ether	59	3.102	3.102	0.000	88	4665961	500.0	521.3	
* 43 2-Butanone-d5	46	3.285	3.279	0.006	74	341754	250.0	250.0	
42 2,2-Dichloropropane	79	3.291	3.285	0.006	97	723319	500.0	455.9	
44 cis-1,2-Dichloroethene	96	3.321	3.315	0.006	96	1687061	500.0	449.0	
46 2-Butanone (MEK)	72	3.333	3.327	0.006	95	676327	2500.0	2329.0	
45 Ethyl acetate	70	3.333	3.333	0.000	96	291385	1000.0	1062.0	
47 Methyl acrylate	55	3.382	3.382	0.000	100	1275728	500.0	502.2	
48 Propionitrile	54	3.449	3.443	0.006	98	1876337	5000.0	5238.7	
50 Chlorobromomethane	128	3.522	3.516	0.006	93	756696	500.0	435.6	
49 Tetrahydrofuran	72	3.522	3.522	0.000	59	288434	1000.0	989.4	
51 Methacrylonitrile	67	3.546	3.540	0.006	92	5200916	5000.0	4231.5	
52 Chloroform	83	3.571	3.565	0.006	98	2816848	500.0	460.5	
53 Cyclohexane	84	3.680	3.680	0.000	94	2113546	500.0	502.1	
54 1,1,1-Trichloroethane	97	3.692	3.692	0.000	99	2361311	500.0	483.4	
$ 55 Dibromofluoromethane (Surr)	113	3.711	3.705	0.006	97	173758	50.0	45.5	
56 Carbon tetrachloride	117	3.802	3.802	0.000	99	2101007	500.0	514.0	
57 1,1-Dichloropropene	75	3.832	3.832	0.000	96	2334603	500.0	533.8	
58 Isobutyl alcohol	43	3.960	3.966	-0.006	94	1718653	12500	13318	
59 Isooctane	57	3.990	3.984	0.006	98	3024969	500.0	536.8	a
60 Benzene	78	4.021	4.015	0.006	97	6264614	500.0	526.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.039	4.033	0.006	0	182975	50.0	46.5	
62 Isopropyl acetate	43	4.076	4.076	0.000	97	3948830	500.0	464.3	
63 Tert-amyl methyl ether	55	4.082	4.082	0.000	92	940768	500.0	475.1	
64 1,2-Dichloroethane	62	4.106	4.106	0.000	96	1985316	500.0	475.3	
65 n-Heptane	57	4.167	4.167	0.000	97	621692	500.0	511.2	
* 66 Fluorobenzene	96	4.295	4.295	0.000	98	746023	50.0	50.0	
67 n-Butanol	56	4.617	4.629	-0.012	92	663381	12500	13100	
68 Trichloroethene	95	4.641	4.641	0.000	99	1758534	500.0	501.6	
69 Methylcyclohexane	83	4.757	4.757	0.000	87	2082759	500.0	534.4	
70 Ethyl acrylate	55	4.769	4.769	0.000	98	3375604	500.0	487.2	
71 1,2-Dichloropropane	63	4.933	4.927	0.006	92	1813262	500.0	496.7	
* 72 1,4-Dioxane-d8	96	5.000	5.000	0.000	0	29085	1000.0	1000.0	
73 Methyl methacrylate	100	5.018	5.019	-0.001	93	605827	1000.0	852.7	
75 1,4-Dioxane	88	5.055	5.055	0.000	82	249645	10000	11156	
74 Dibromomethane	93	5.061	5.061	0.000	98	1042511	500.0	446.1	
76 n-Propyl acetate	43	5.079	5.079	0.000	98	1940638	500.0	441.0	
77 Dichlorobromomethane	83	5.225	5.219	0.006	100	2183854	500.0	484.9	
78 2-Nitropropane	41	5.572	5.572	0.000	98	727806	1000.0	1049.8	
79 2-Chloroethyl vinyl ether	63	5.584	5.584	0.000	84	498938	501.2	384.3	
80 Epichlorohydrin	57	5.694	5.688	0.006	99	2189419	10000	9467.0	
81 cis-1,3-Dichloropropene	75	5.749	5.749	-0.001	94	2796396	500.0	551.7	
82 4-Methyl-2-pentanone (MIBK)	43	5.931	5.925	0.006	97	5452392	2500.0	2268.3	
$ 83 Toluene-d8 (Surr)	98	6.004	5.998	0.006	99	559224	50.0	51.7	
84 Toluene	91	6.083	6.083	0.000	94	5642267	500.0	497.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.485	6.485	0.000	97	2329596	500.0	522.6	
86 Ethyl methacrylate	69	6.527	6.527	0.000	92	1462482	500.0	403.0	
87 1,1,2-Trichloroethane	83	6.716	6.710	0.006	98	1257334	500.0	526.2	
88 Tetrachloroethene	166	6.752	6.746	0.006	99	1512435	500.0	550.0	
89 1,3-Dichloropropane	76	6.947	6.941	0.006	96	2186150	500.0	533.0	
90 2-Hexanone	58	7.032	7.032	0.000	97	1988566	2500.0	2225.3	
91 n-Butyl acetate	43	7.178	7.178	0.000	98	1791642	500.0	453.0	
92 Chlorodibromomethane	129	7.202	7.196	0.006	98	1625354	500.0	524.1	
93 Ethylene Dibromide	107	7.361	7.361	0.000	98	1434165	500.0	498.2	
* 94 Chlorobenzene-d5	117	7.957	7.951	0.006	86	468329	50.0	50.0	
95 Chlorobenzene	112	7.993	7.987	0.006	94	3519931	500.0	500.0	
96 Ethylbenzene	106	8.103	8.103	0.000	98	1779051	500.0	482.1	
97 1,1,1,2-Tetrachloroethane	131	8.115	8.115	0.000	97	1397762	500.0	525.9	
98 m-Xylene & p-Xylene	106	8.255	8.249	0.006	0	2157415	500.0	475.1	
99 o-Xylene	106	8.711	8.705	0.006	94	2078847	500.0	476.5	
100 n-Butyl acrylate	73	8.729	8.730	-0.001	97	944086	500.0	437.2	
101 Styrene	104	8.742	8.742	0.000	95	3668993	500.0	487.1	
103 Bromoform	173	8.961	8.955	0.006	97	1054182	500.0	495.2	
102 Amyl acetate (mixed isomers)	43	8.973	8.973	0.000	88	2128117	500.0	411.2	
104 Isopropylbenzene	105	9.094	9.088	0.006	97	4464788	500.0	473.3	
$ 105 4-Bromofluorobenzene	174	9.295	9.289	0.006	95	166670	50.0	48.7	
106 Bromobenzene	156	9.417	9.417	0.000	95	1572156	500.0	471.7	
107 1,1,2,2-Tetrachloroethane	83	9.490	9.490	0.000	99	1600597	500.0	459.6	
108 N-Propylbenzene	91	9.502	9.502	0.000	99	5833695	500.0	461.9	
109 1,2,3-Trichloropropane	110	9.526	9.526	0.000	99	373352	500.0	467.3	
110 trans-1,4-Dichloro-2-butene	53	9.551	9.551	0.000	86	455275	500.0	448.9	a
111 2-Chlorotoluene	91	9.599	9.599	0.000	98	4297906	500.0	474.1	
112 4-Ethyltoluene	105	9.618	9.612	0.006	98	4911733	500.0	464.4	
113 1,3,5-Trimethylbenzene	105	9.685	9.679	0.005	93	4202335	500.0	475.6	
114 4-Chlorotoluene	91	9.715	9.709	0.006	97	4394456	500.0	504.1	
115 Butyl Methacrylate	87	9.800	9.800	0.000	92	1688927	500.0	464.3	
116 tert-Butylbenzene	119	9.964	9.958	0.006	93	3185275	500.0	465.0	
117 1,2,4-Trimethylbenzene	105	10.019	10.019	0.000	98	4358617	500.0	470.0	
118 sec-Butylbenzene	105	10.159	10.153	0.006	99	4694276	500.0	473.3	
120 1,3-Dichlorobenzene	146	10.281	10.281	0.000	96	2781447	500.0	495.6	
119 4-Isopropyltoluene	119	10.293	10.287	0.006	98	4175463	500.0	486.0	
* 121 1,4-Dichlorobenzene-d4	152	10.348	10.342	0.006	94	254963	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.366	10.366	0.000	95	2947503	500.0	503.9	
123 1,2,3-Trimethylbenzene	105	10.390	10.384	0.006	98	4801613	500.0	477.1	
124 Benzyl chloride	91	10.494	10.494	0.000	99	3041568	500.0	484.8	
125 2,3-Dihydroindene	117	10.548	10.548	0.000	95	4648950	500.0	474.8	
126 p-Diethylbenzene	119	10.609	10.609	0.000	92	2595970	500.0	520.7	
127 n-Butylbenzene	92	10.634	10.628	0.006	98	2132057	500.0	505.7	
128 1,2-Dichlorobenzene	146	10.676	10.676	0.000	96	2829398	500.0	511.6	
129 1,2,4,5-Tetramethylbenzene	119	11.236	11.236	0.000	98	4287546	500.0	505.4	
130 1,2-Dibromo-3-Chloropropane	157	11.321	11.315	0.006	96	395873	500.0	498.3	
131 1,3,5-Trichlorobenzene	180	11.430	11.424	0.006	98	2029046	500.0	542.3	
132 1,2,4-Trichlorobenzene	180	11.905	11.905	0.000	94	1978887	500.0	556.6	
133 Hexachlorobutadiene	225	11.990	11.984	0.006	98	720256	500.0	580.0	
134 Naphthalene	128	12.087	12.088	-0.001	99	4920453	500.0	527.6	
135 1,2,3-Trichlorobenzene	180	12.264	12.258	0.006	96	1791049	500.0	555.0	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	903.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		1000.0	951.7	
S 138 Total BTEX	1				0		2500.0	2457.2	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN W_00167	Amount Added:	40.00	Units: uL	
Ethanol mix_00088	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00148	Amount Added:	50.00	Units: uL	
MIX I Hi_00175	Amount Added:	50.00	Units: uL	
7 Freons Hi_00013	Amount Added:	50.00	Units: uL	
GAS Hi_00466	Amount Added:	50.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added:	1.00	Units: uL	Run Reagent

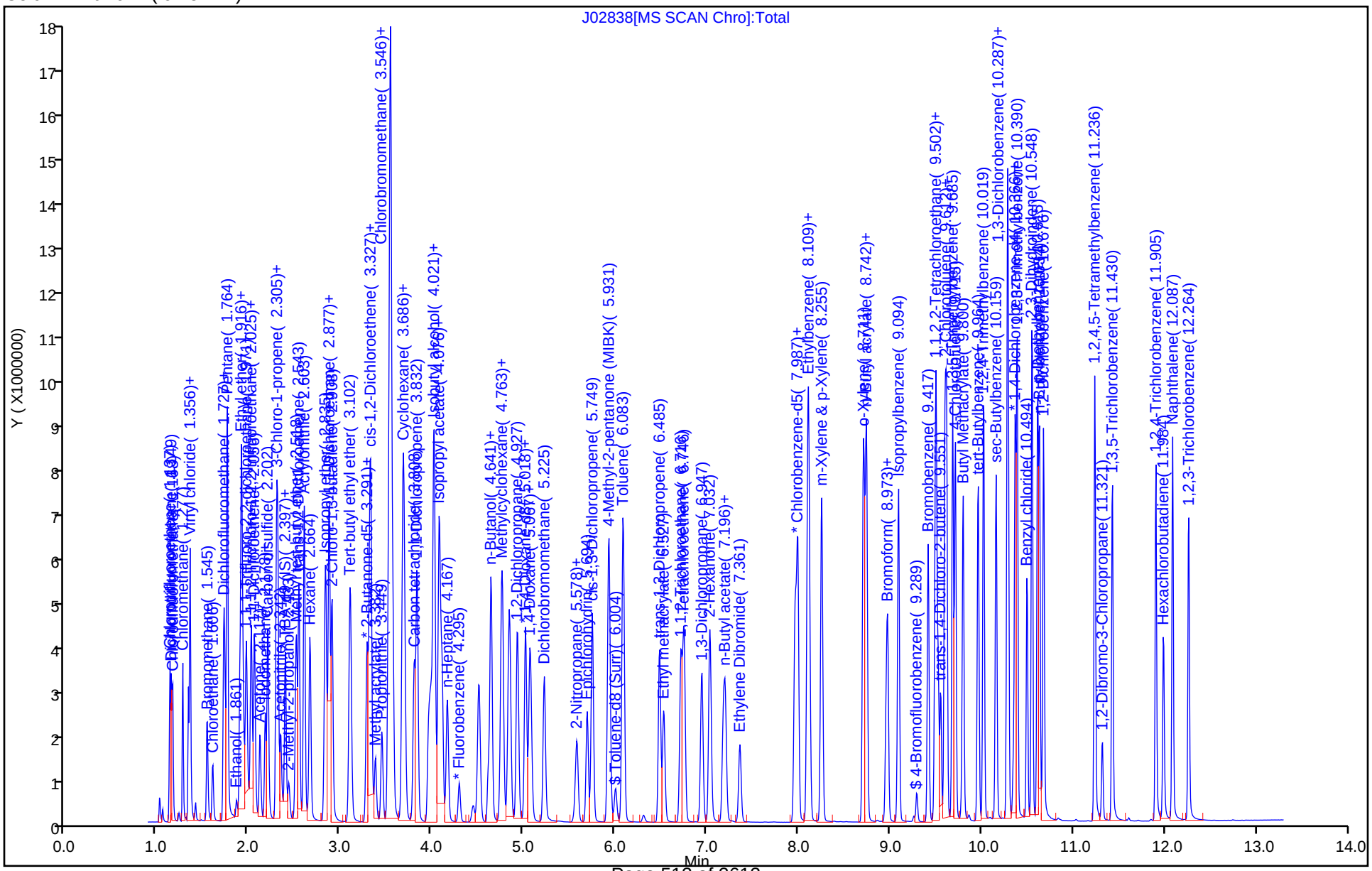
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02838.D

Injection Date:	03-Apr-2024 20:01:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	STD500			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

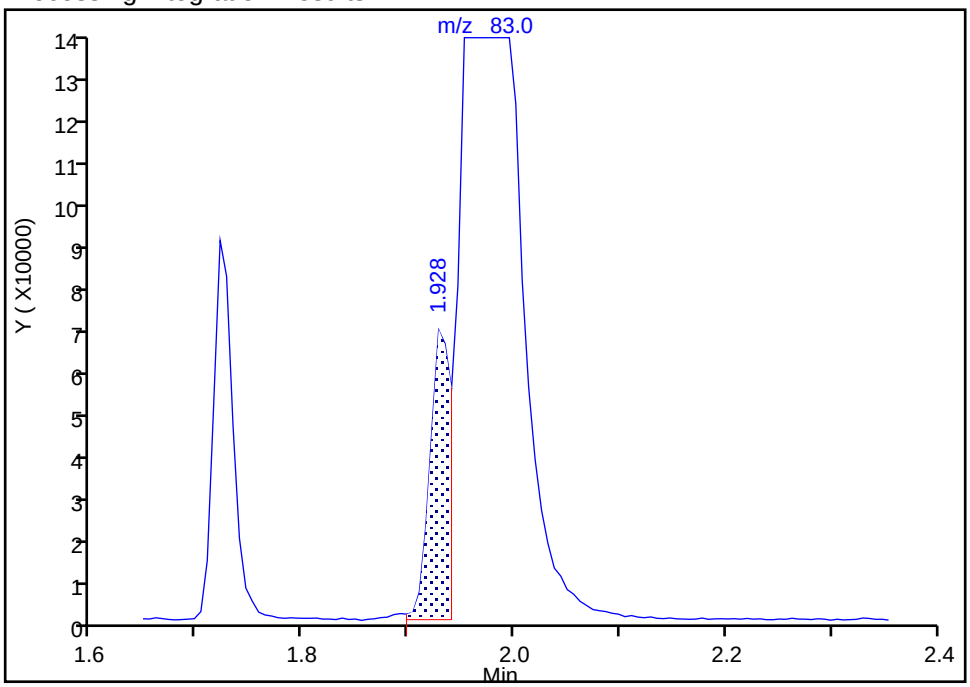
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Injection Date: 03-Apr-2024 20:01:30 Instrument ID: CVOAMS8
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

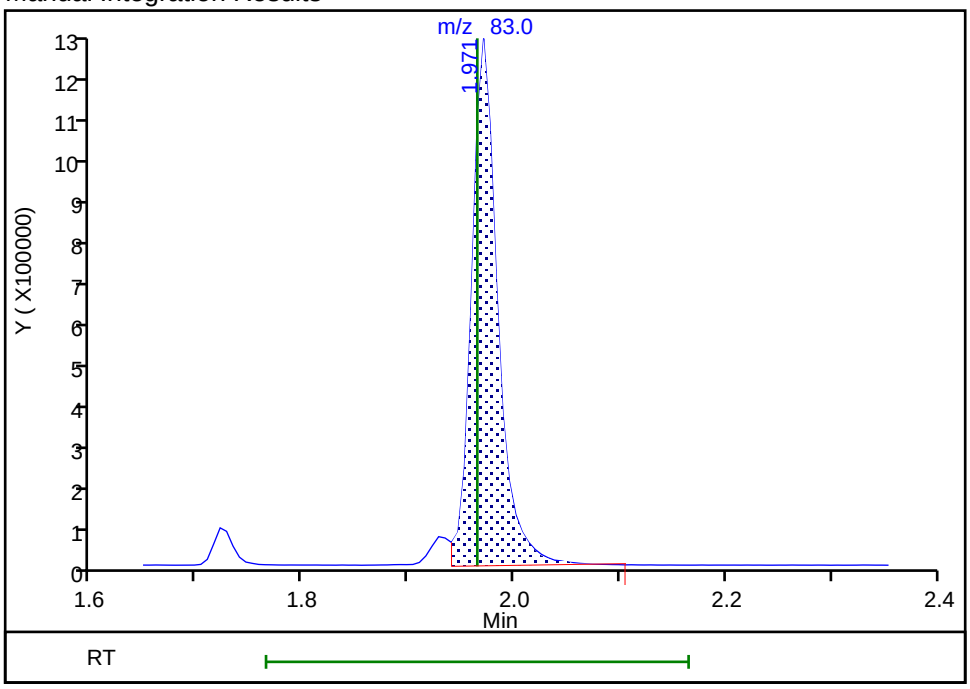
Processing Integration Results

RT: 1.93
Area: 91881
Amount: 25.289340
Amount Units: ug/l



Manual Integration Results

RT: 1.97
Area: 2076174
Amount: 483.4358
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:41:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

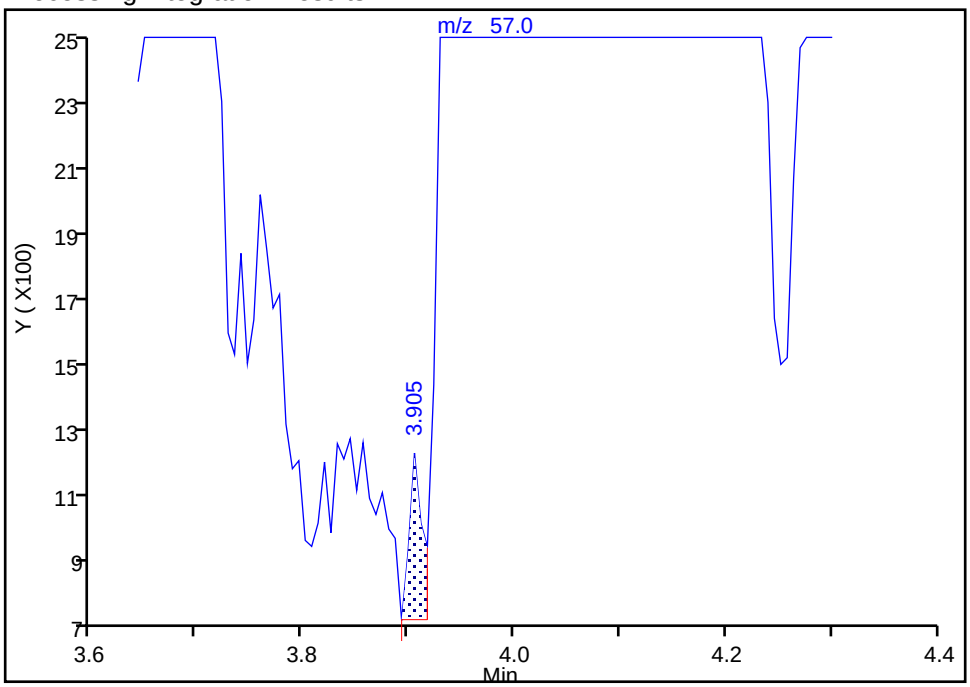
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Injection Date: 03-Apr-2024 20:01:30 Instrument ID: CVOAMS8
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Signal: 1

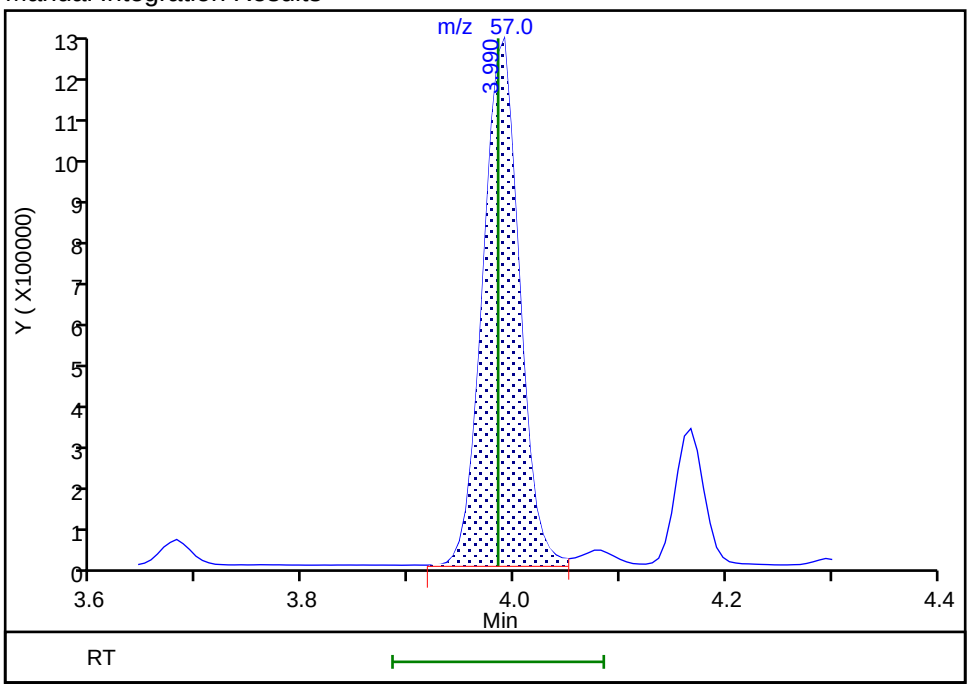
Processing Integration Results

RT: 3.91
Area: 445
Amount: 0.096178
Amount Units: ug/l



Manual Integration Results

RT: 3.99
Area: 3024969
Amount: 536.8167
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:45:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

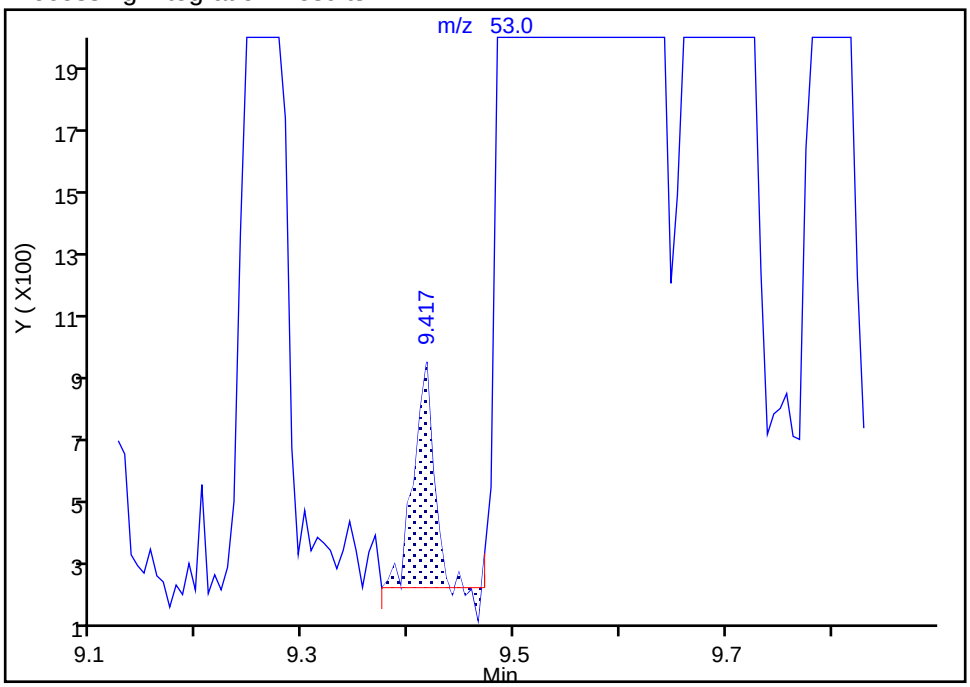
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Injection Date: 03-Apr-2024 20:01:30 Instrument ID: CVOAMS8
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

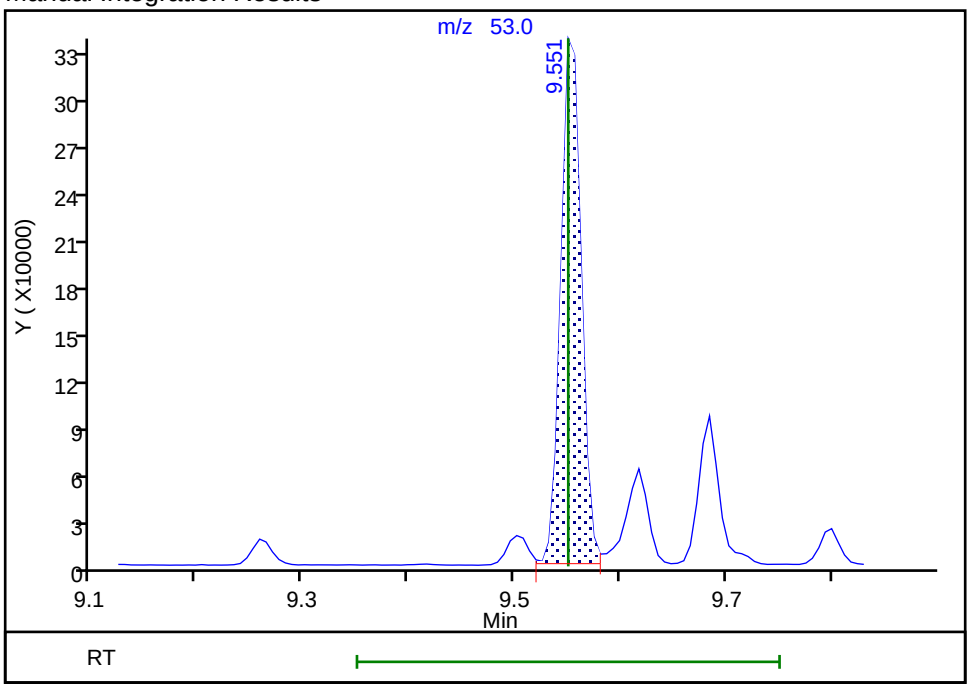
Processing Integration Results

RT: 9.42
Area: 871
Amount: 0.983454
Amount Units: ug/l



Manual Integration Results

RT: 9.55
Area: 455275
Amount: 448.9107
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:42:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Apr-2024 22:32:30 ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BLK
Misc. Info.: 460-0174171-015
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub73

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 04-Apr-2024 11:06:17 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: HVW2 Date: 03-Apr-2024 23:02:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	1.352	1.350	0.002	88	866	0.2500	0.2855	M
* 30 TBA-d9 (IS)	65	2.380	2.372	0.008	77	249190	1000.0	1000.0	
35 Acrylonitrile	53	2.605	2.597	0.008	93	2318	2.00	2.33	M
* 43 2-Butanone-d5	46	3.286	3.279	0.007	86	344477	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.712	3.705	0.007	96	178029	50.0	55.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.033	0.008	0	178004	50.0	53.5	
* 66 Fluorobenzene	96	4.302	4.295	0.007	98	630182	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.008	5.000	0.008	0	31993	1000.0	1000.0	
80 Epichlorohydrin	57	5.720	5.688	0.032	46	1352	5.00	5.80	
$ 83 Toluene-d8 (Surr)	98	6.006	5.998	0.008	99	546681	50.0	48.2	
* 94 Chlorobenzene-d5	117	7.958	7.951	0.007	86	491610	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.297	9.289	0.008	93	176944	50.0	49.3	
* 121 1,4-Dichlorobenzene-d4	152	10.349	10.342	0.007	96	251907	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

524FREONS_00016	Amount Added:	0.00	Units: uL	
ACROLEIN W_00167	Amount Added:	0.00	Units: uL	
GASES Li_00578	Amount Added:	2.50	Units: uL	
8260MIX1COMB_00185	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00123	Amount Added:	20.00	Units: uL	
Ethanol mix_00088	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00148	Amount Added:	0.00	Units: uL	
MIX I Hi_00175	Amount Added:	0.00	Units: uL	
14DIOXINTER_00167	Amount Added:	0.00	Units: uL	
GAS Hi_00466	Amount Added:	0.00	Units: uL	
7 Freons Hi_00013	Amount Added:	0.00	Units: uL	
VMTBA500_00048	Amount Added:	2.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added:	1.00	Units: uL	Run Reagent

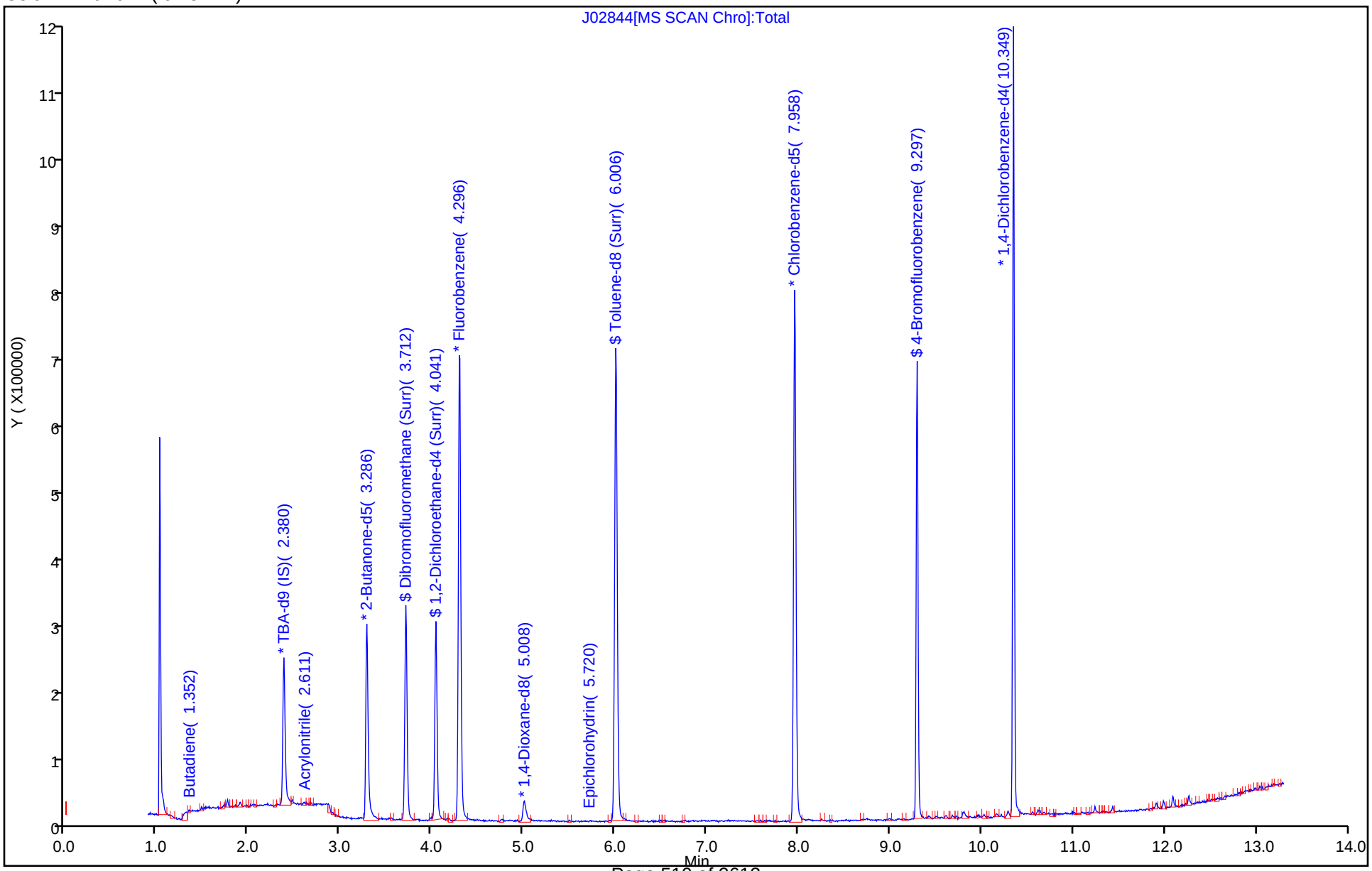
Report Date: 04-Apr-2024 11:06:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Injection Date:	03-Apr-2024 22:32:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

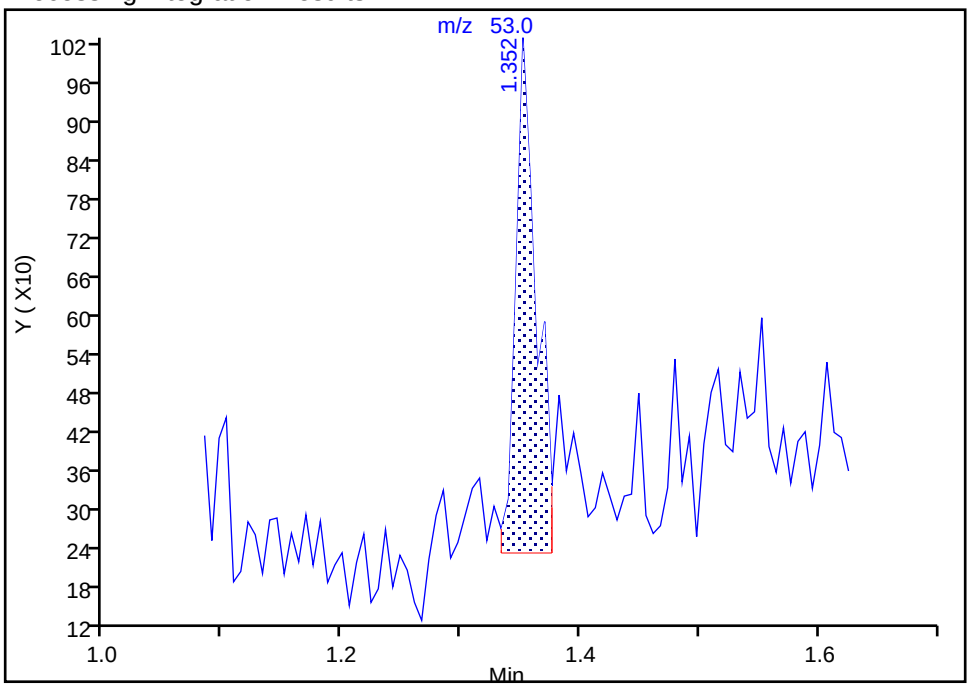
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

8 Butadiene, CAS: 106-99-0

Signal: 2

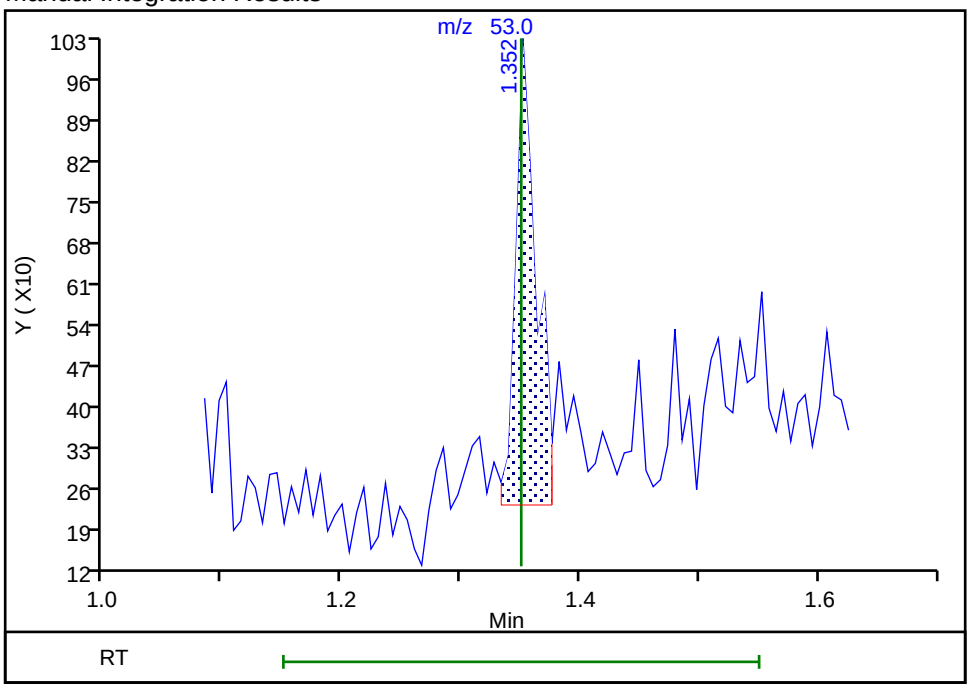
Processing Integration Results

RT: 1.35
Area: 976
Amount: 0.401732
Amount Units: ug/l



Manual Integration Results

RT: 1.35
Area: 976
Amount: 0.285524
Amount Units: ug/l



Reviewer: HVW2, 03-Apr-2024 23:03:28 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Edison

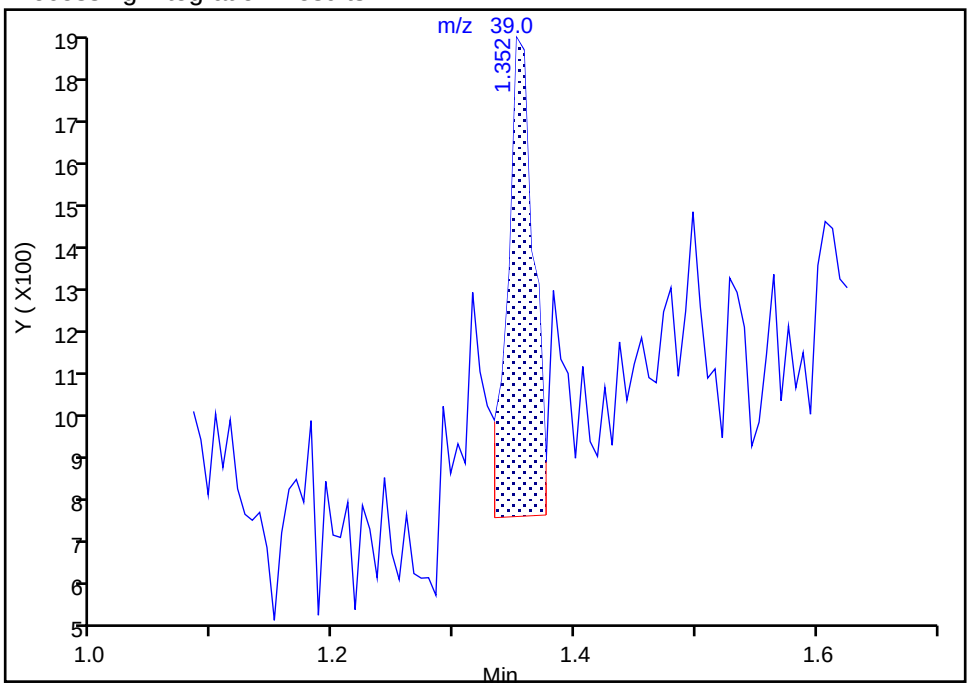
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

8 Butadiene, CAS: 106-99-0

Signal: 3

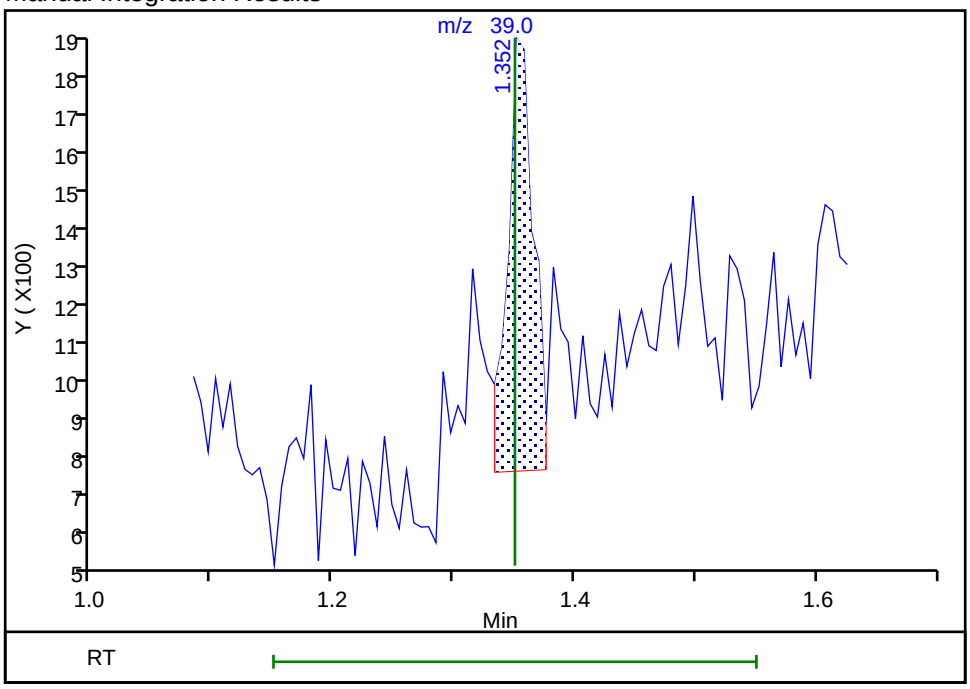
Processing Integration Results

RT: 1.35
Area: 1564
Amount: 0.401732
Amount Units: ug/l



Manual Integration Results

RT: 1.35
Area: 1564
Amount: 0.285524
Amount Units: ug/l



Reviewer: HVW2, 03-Apr-2024 23:03:28 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Edison

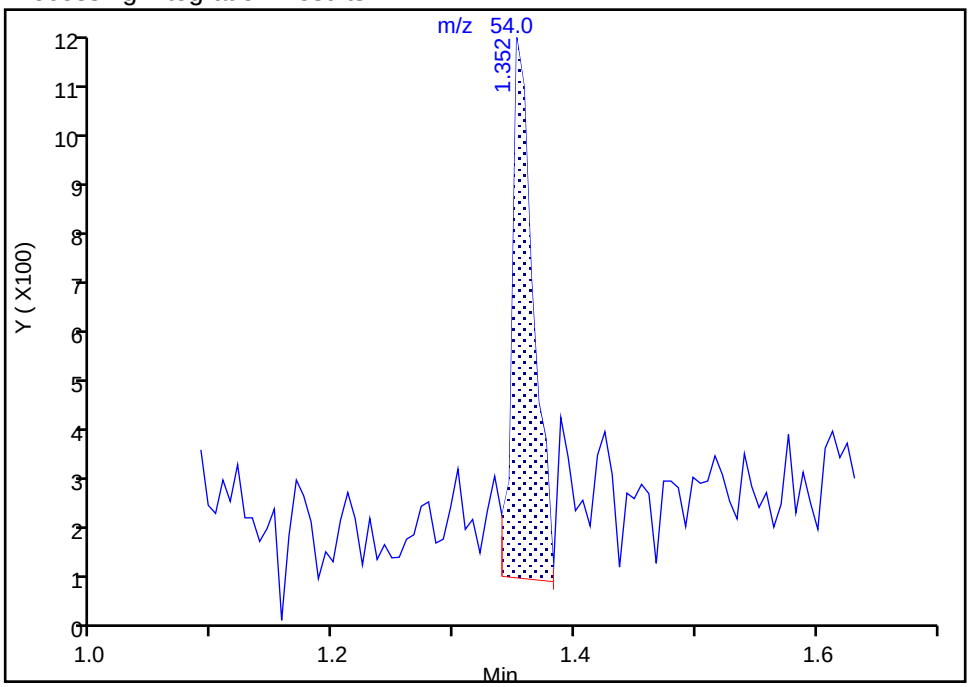
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

8 Butadiene, CAS: 106-99-0

Signal: 1

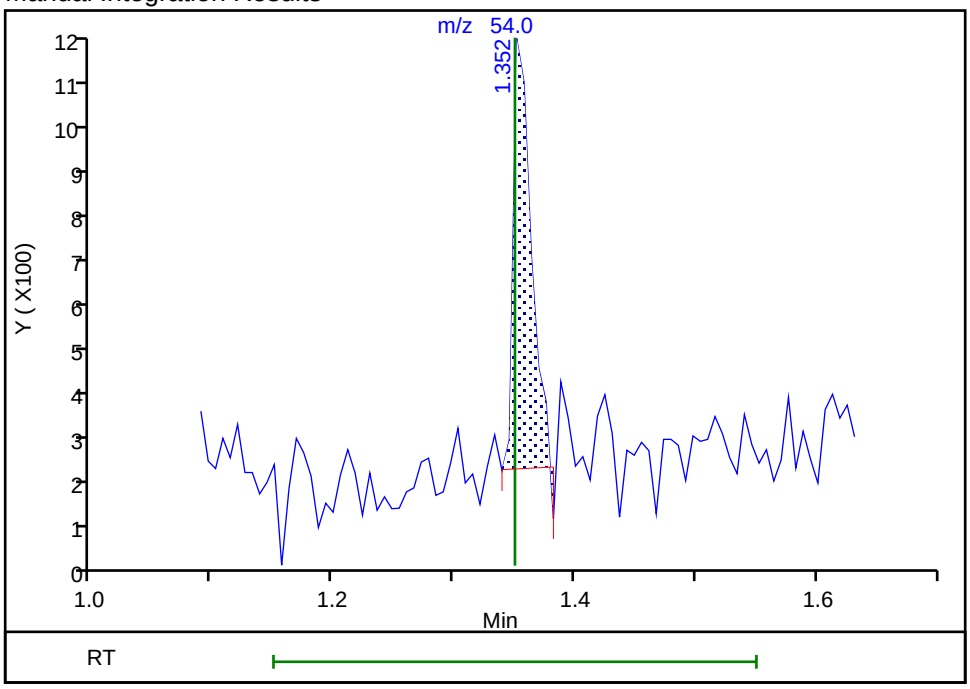
Processing Integration Results

RT: 1.35
Area: 1214
Amount: 0.401732
Amount Units: ug/l



Manual Integration Results

RT: 1.35
Area: 866
Amount: 0.285524
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:43:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

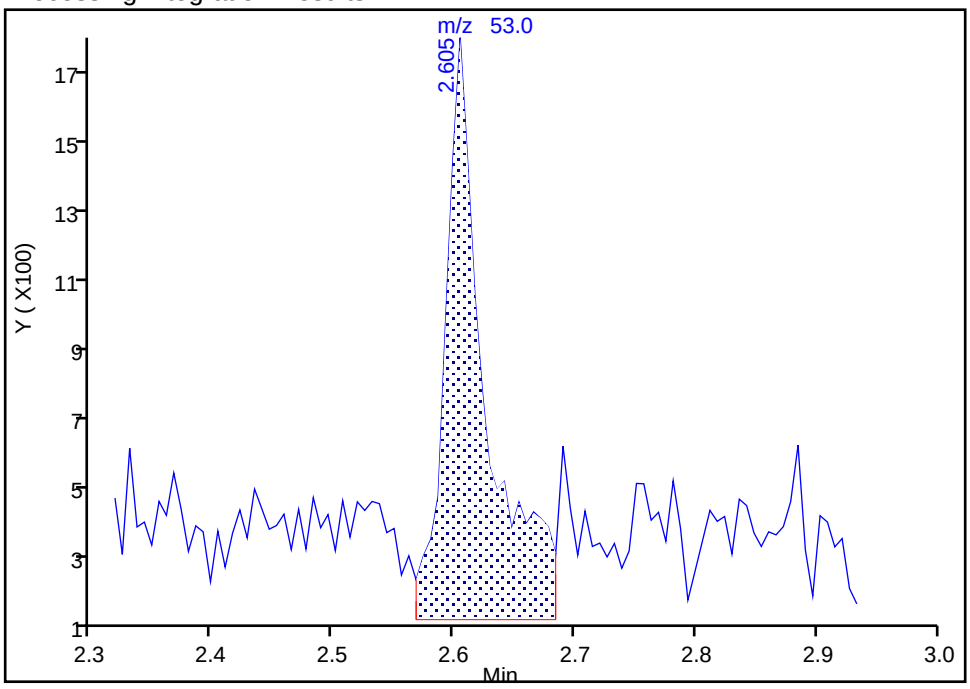
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

35 Acrylonitrile, CAS: 107-13-1

Signal: 1

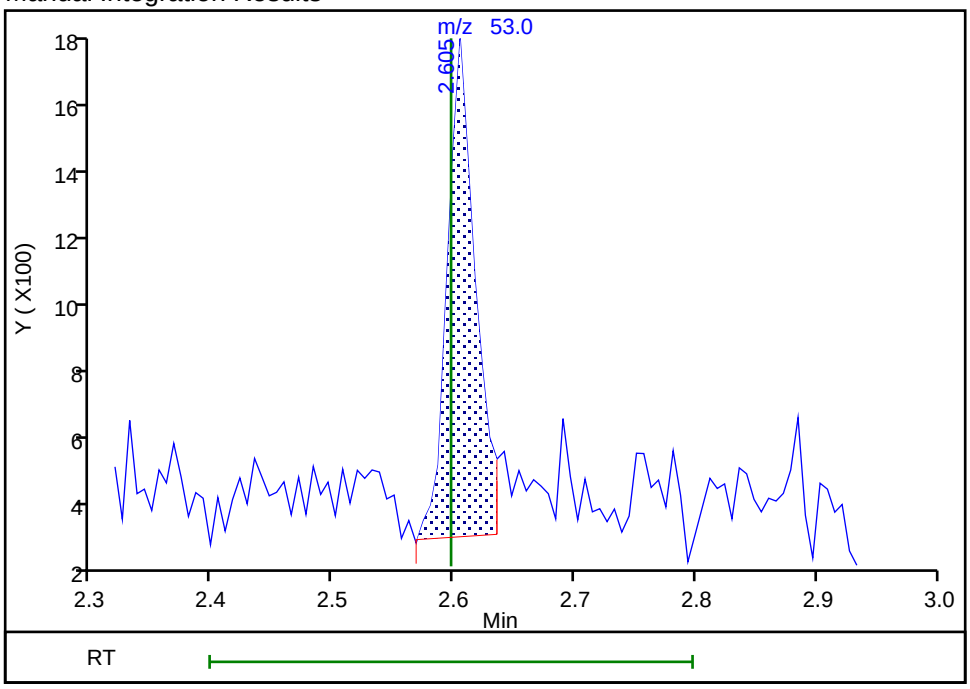
Processing Integration Results

RT: 2.60
Area: 3661
Amount: 3.495398
Amount Units: ug/l



Manual Integration Results

RT: 2.60
Area: 2318
Amount: 2.326321
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 10:43:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

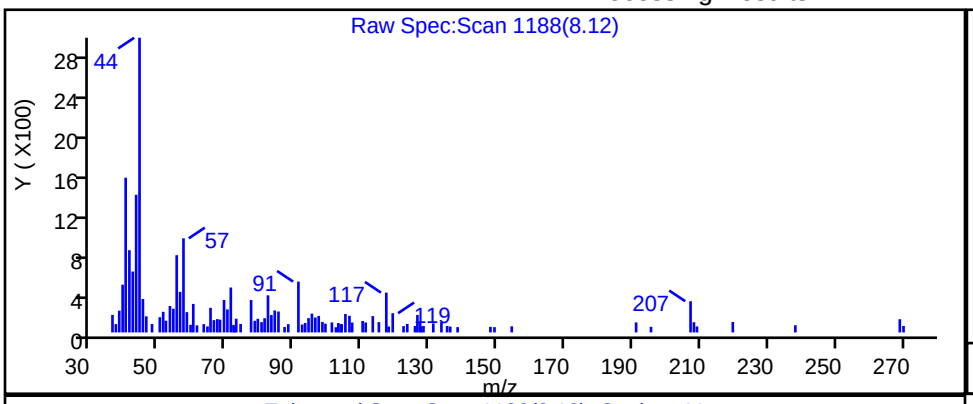
User Disabled Compound Report

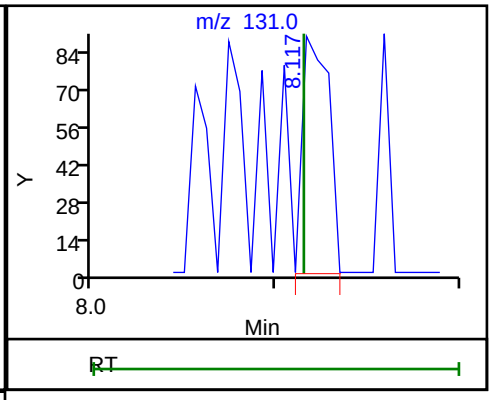
Eurofins Edison

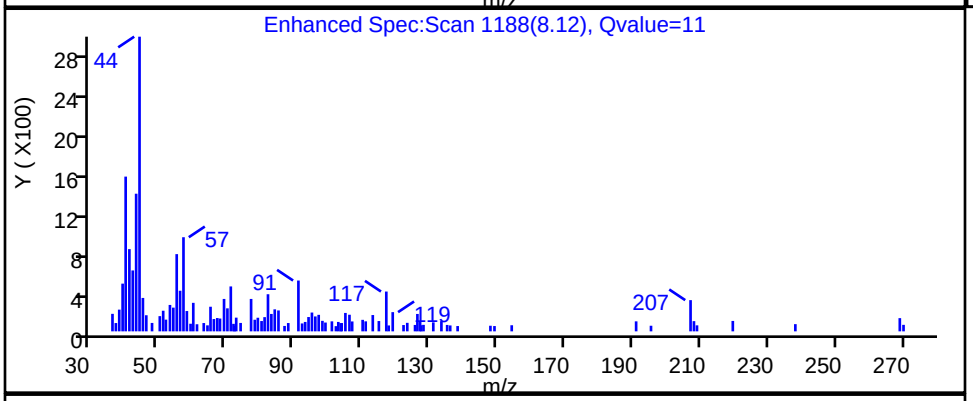
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

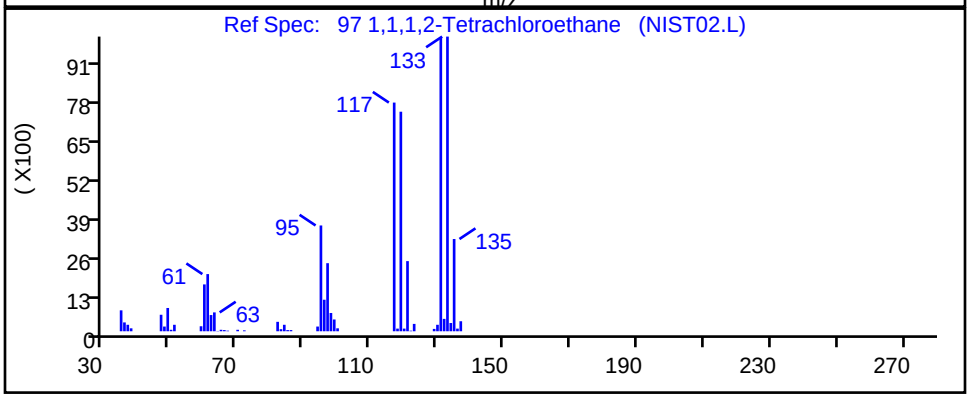
97 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results









RT	Mass	Response	Amount
8.12	131.00	90	0.032261

Reviewer: HVW2, 03-Apr-2024 23:05:10 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

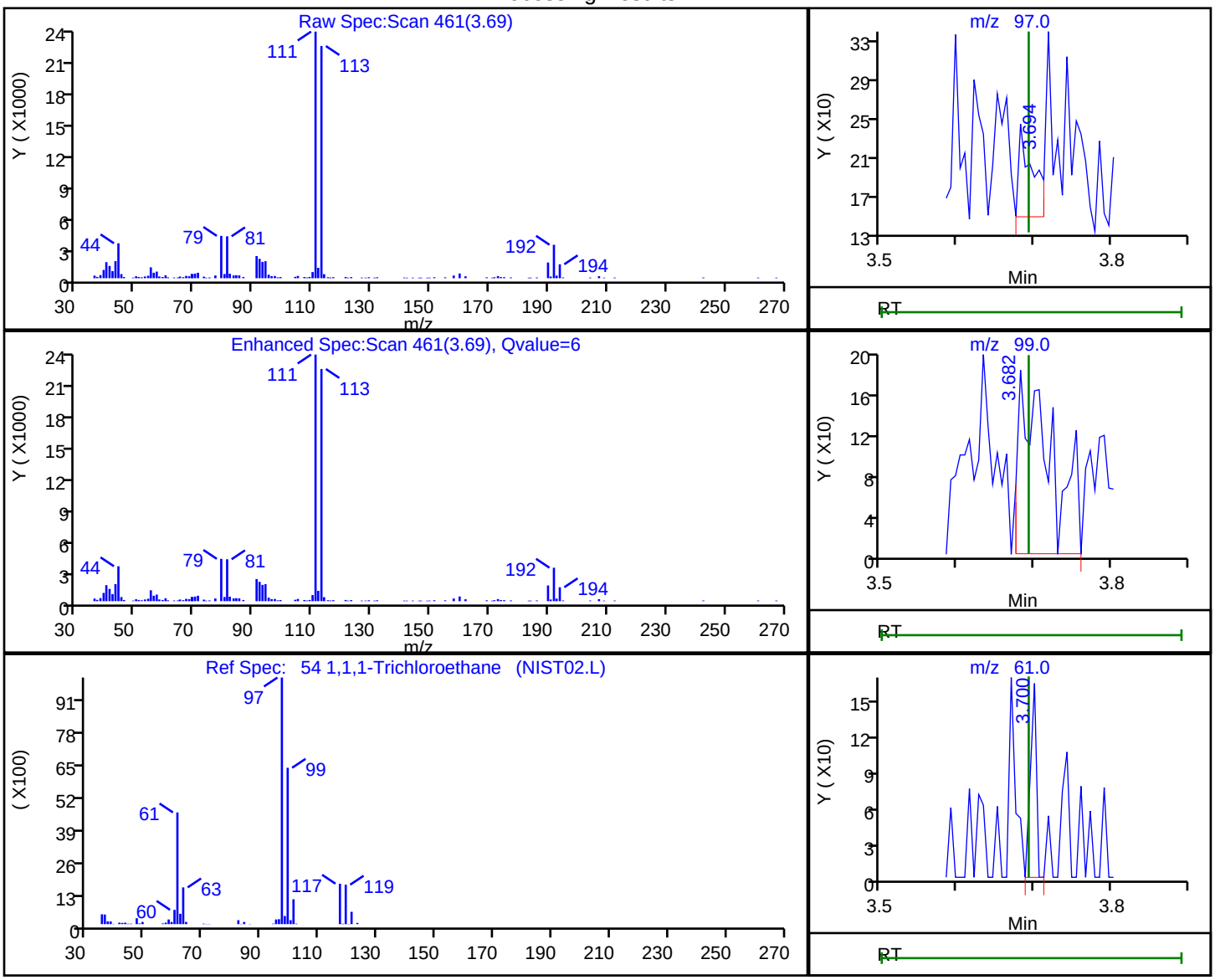
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

54 1,1,1-Trichloroethane, CAS: 71-55-6

Processing Results



RT	Mass	Response	Amount
3.69	97.00	115	0.028758
3.68	99.00	514	
3.70	61.00	89	

Reviewer: HVW2, 03-Apr-2024 23:04:25 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

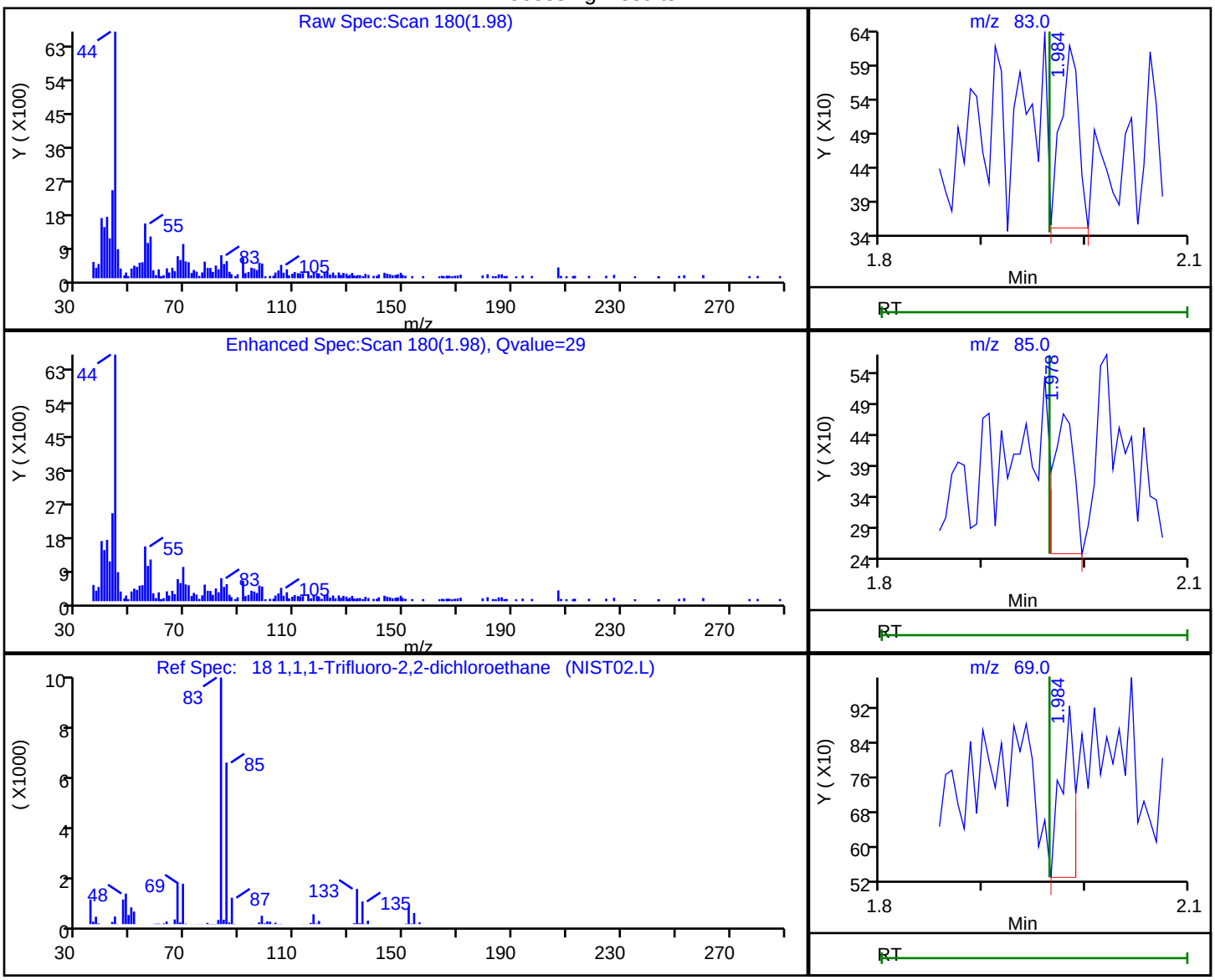
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Processing Results



RT	Mass	Response	Amount
1.98	83.00	318	0.103606
1.98	85.00	316	
1.98	69.00	364	
1.99	67.00	63	

Reviewer: HVW2, 03-Apr-2024 23:03:42 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

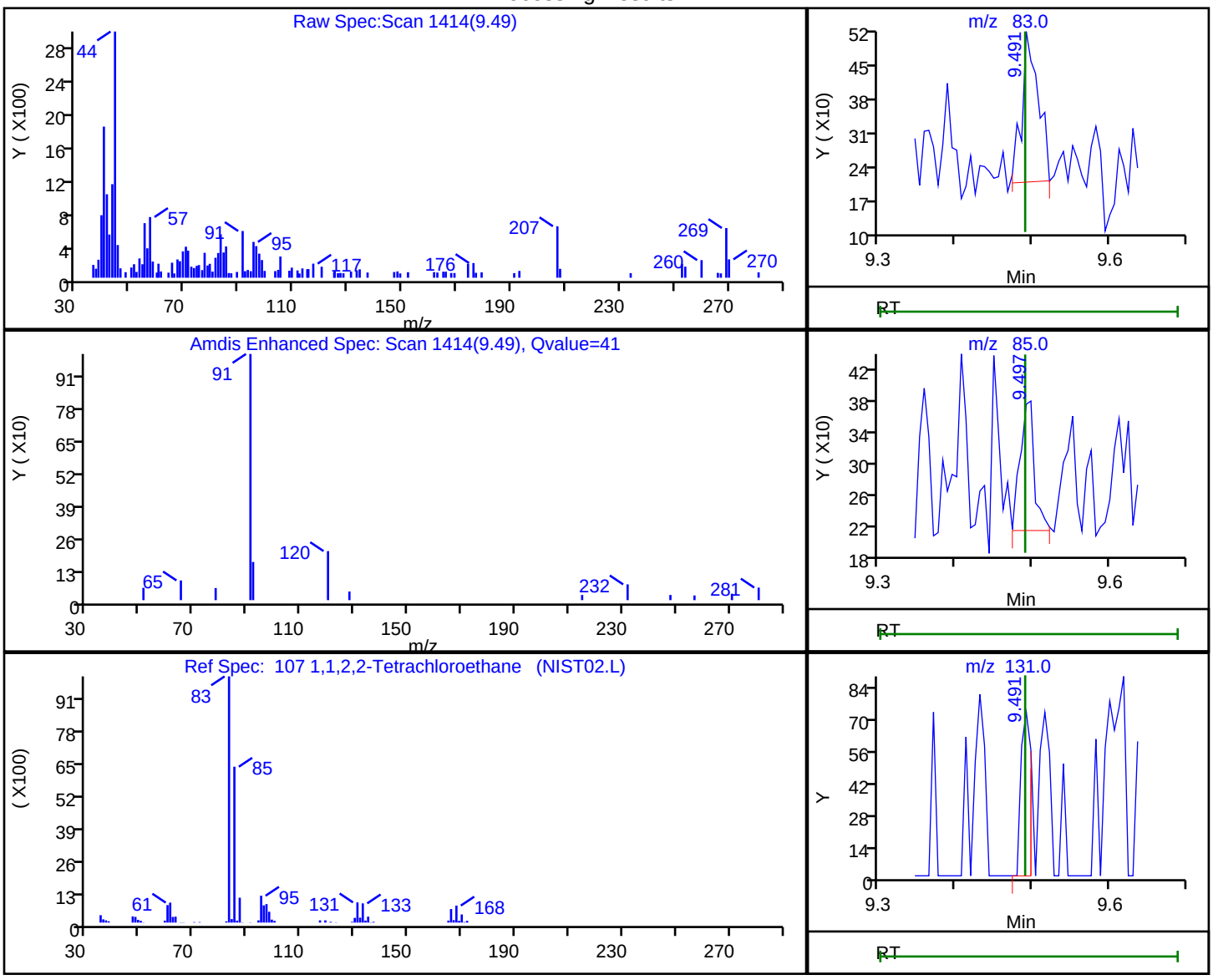
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

107 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
9.49	83.00	466	0.135434
9.50	85.00	205	
9.49	131.00	68	

Reviewer: HVW2, 03-Apr-2024 23:05:20 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

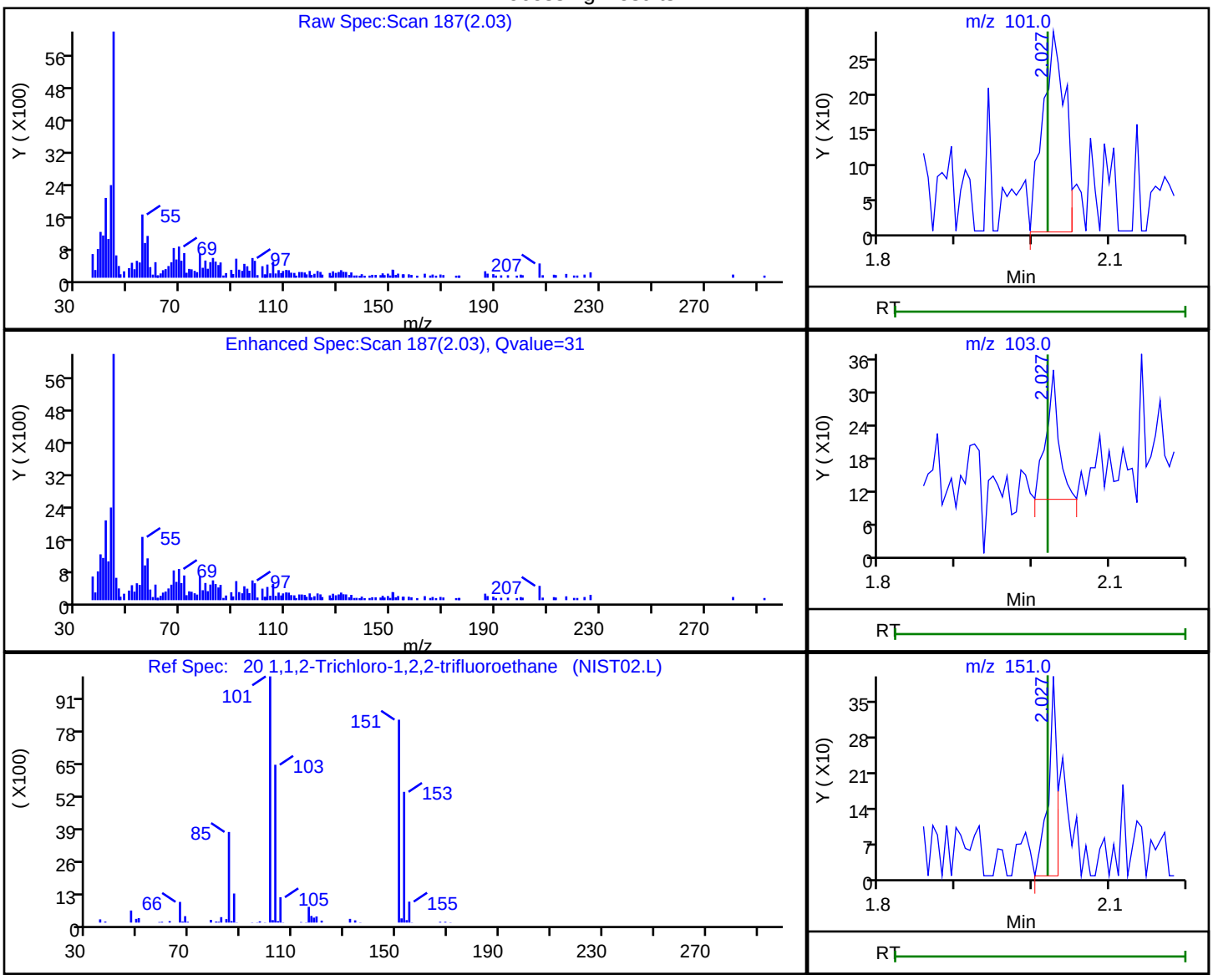
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
2.03	101.00	585	0.246158
2.03	103.00	270	
2.03	151.00	320	
2.02	85.00	338	

Reviewer: HVW2, 03-Apr-2024 23:03:43 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

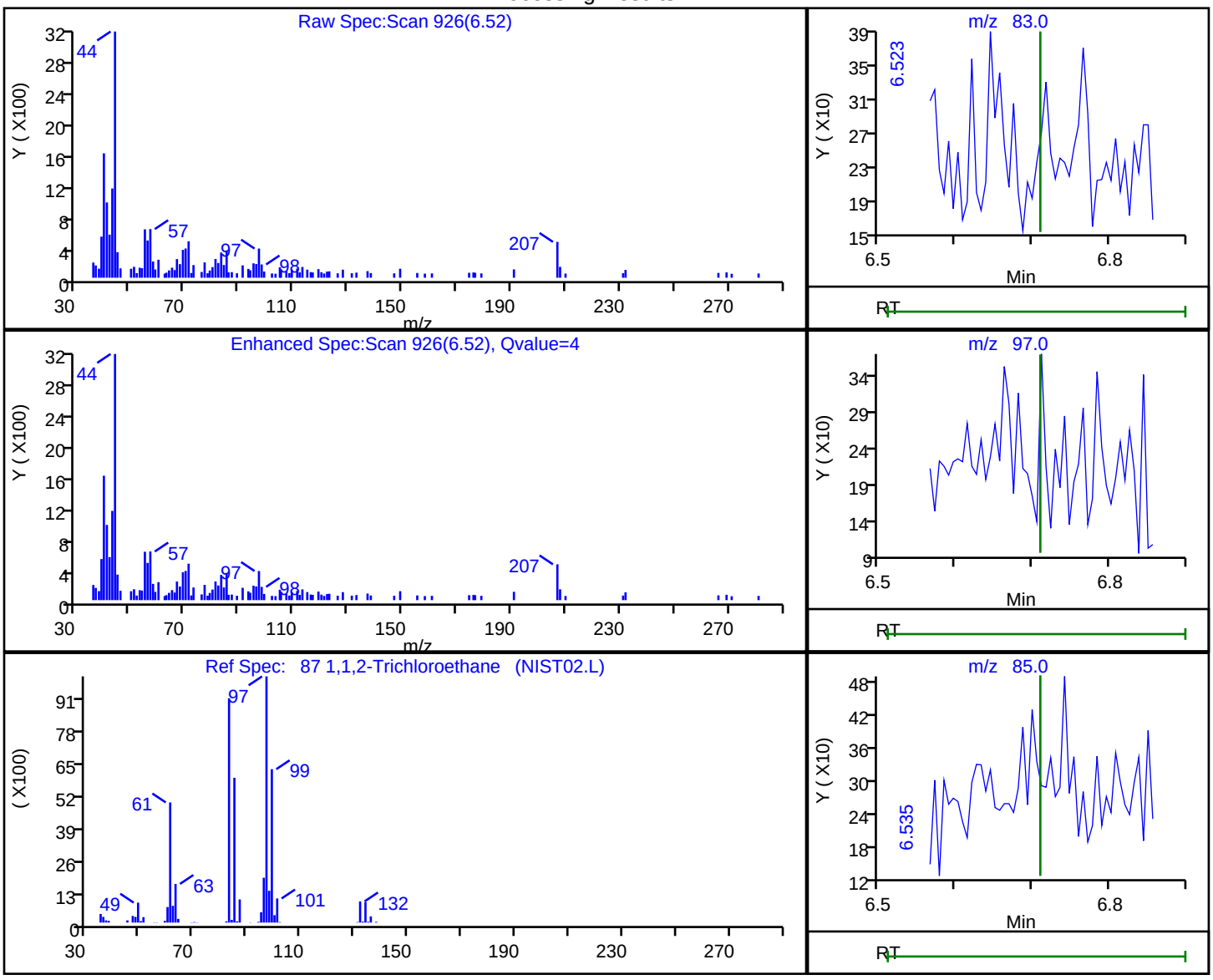
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

87 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.52	83.00	216	0.086122
6.52	97.00	166	
6.53	85.00	385	

Reviewer: HVW2, 03-Apr-2024 23:04:59 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

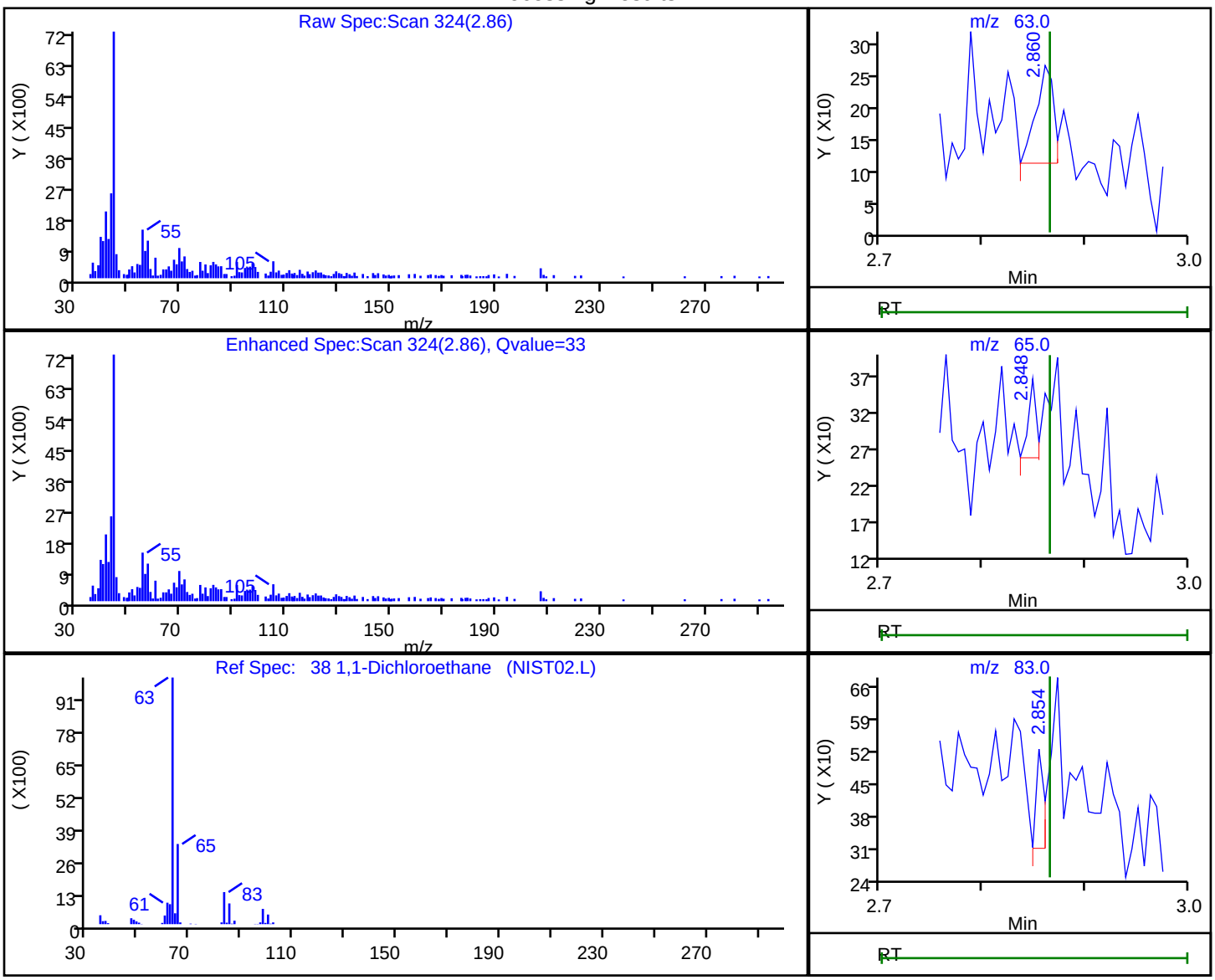
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

38 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
2.86	63.00	185	0.034950
2.85	65.00	57	
2.85	83.00	114	

Reviewer: HVW2, 03-Apr-2024 23:04:08 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

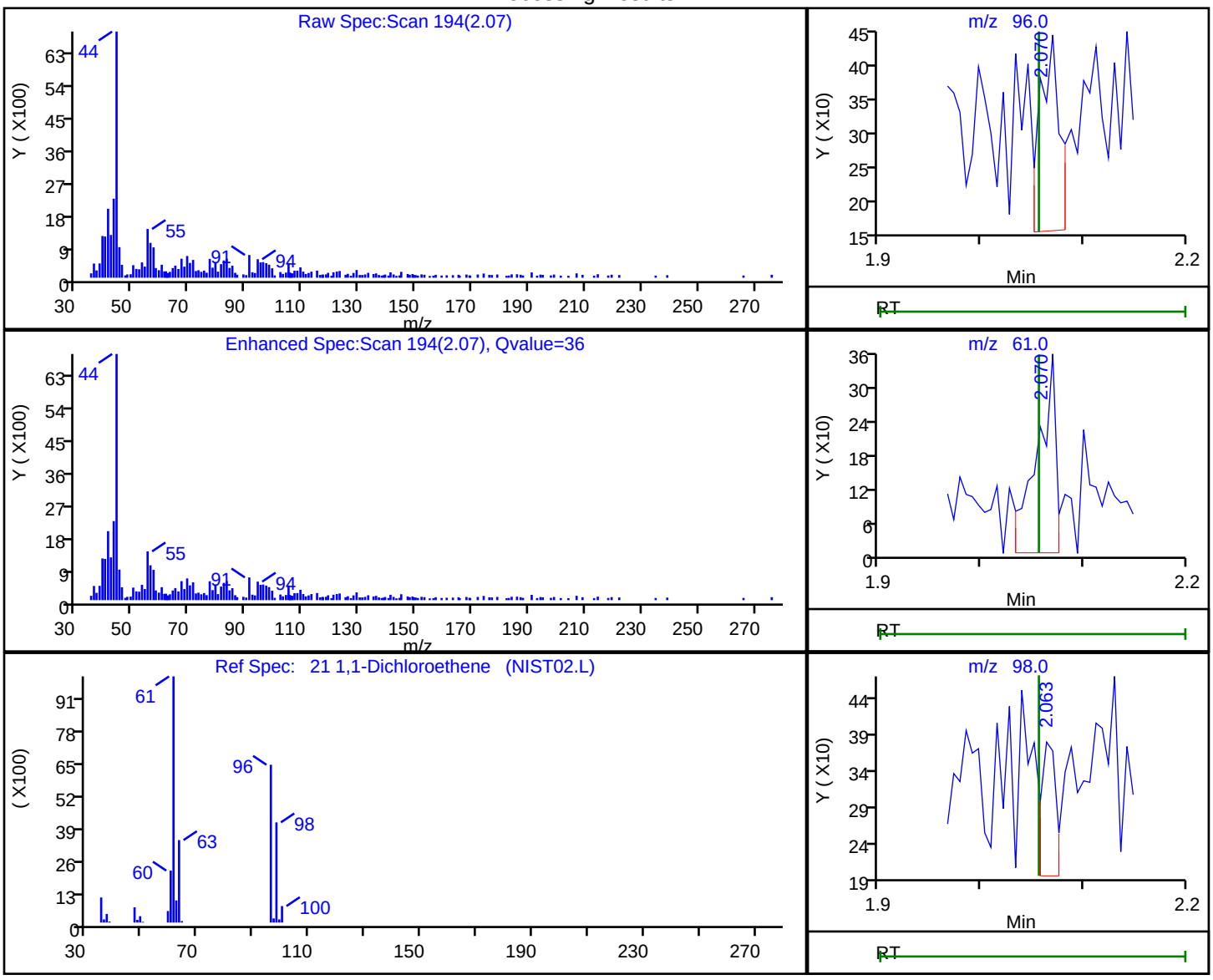
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
2.07	96.00	381	0.155327
2.07	61.00	462	
2.06	98.00	188	
2.06	63.00	218	

Reviewer: HVW2, 03-Apr-2024 23:03:45 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

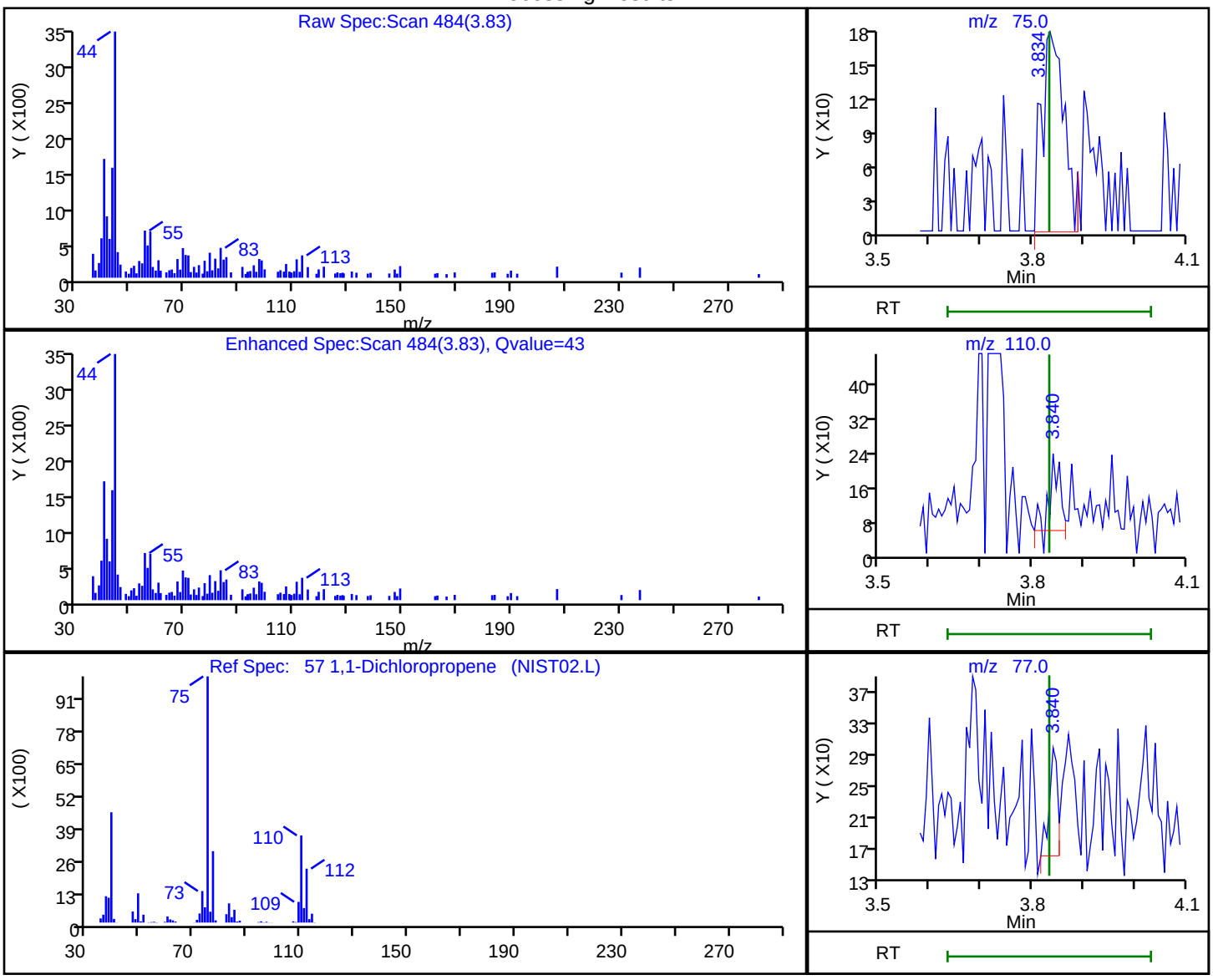
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 1,1-Dichloropropene, CAS: 563-58-6

Processing Results



RT	Mass	Response	Amount
3.83	75.00	536	0.143676
3.84	110.00	247	
3.84	77.00	161	

Reviewer: HVW2, 03-Apr-2024 23:04:27 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

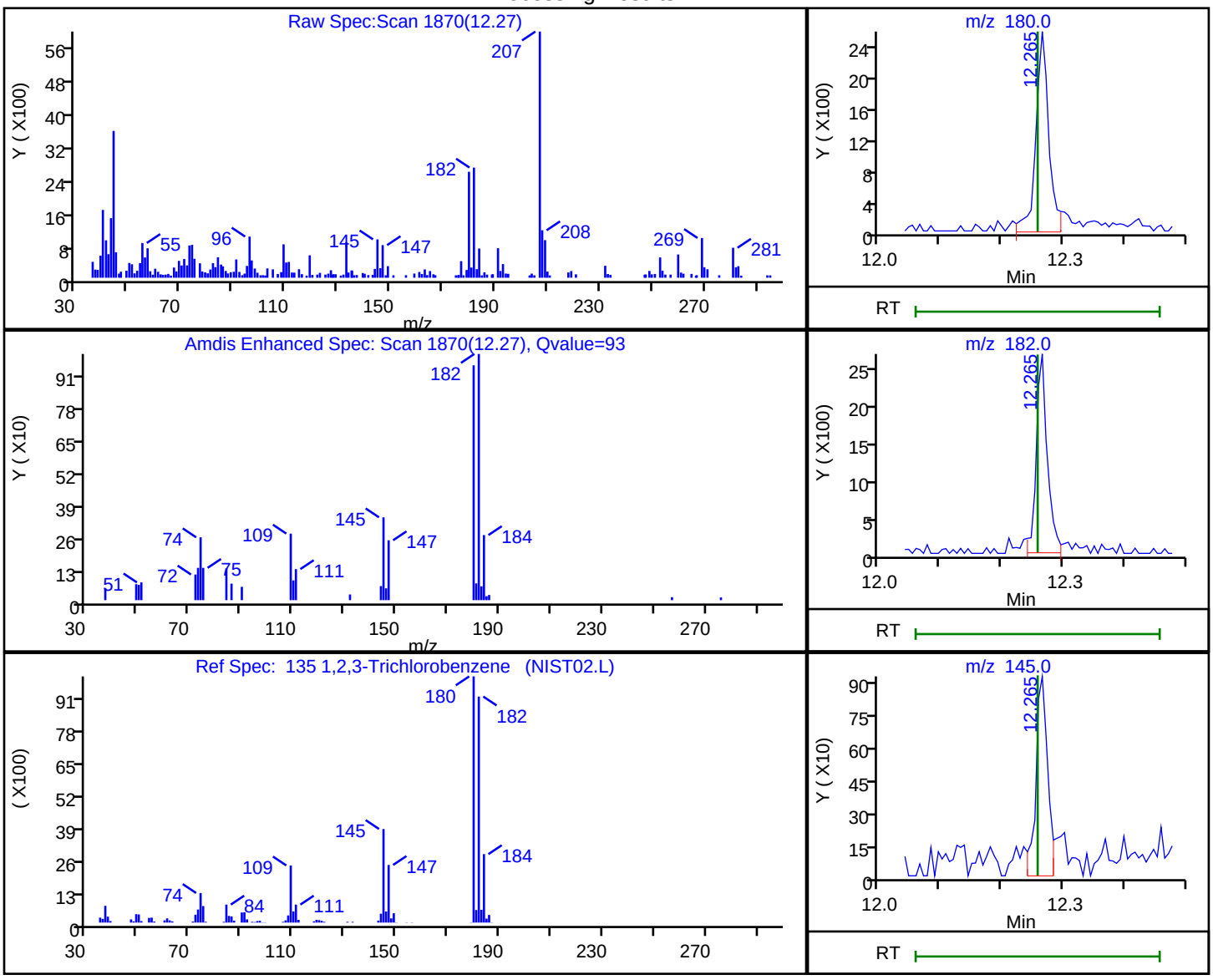
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

135 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results



RT	Mass	Response	Amount
12.27	180.00	3768	1.181855
12.27	182.00	3391	
12.27	145.00	1254	

Reviewer: HVW2, 03-Apr-2024 23:06:00 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

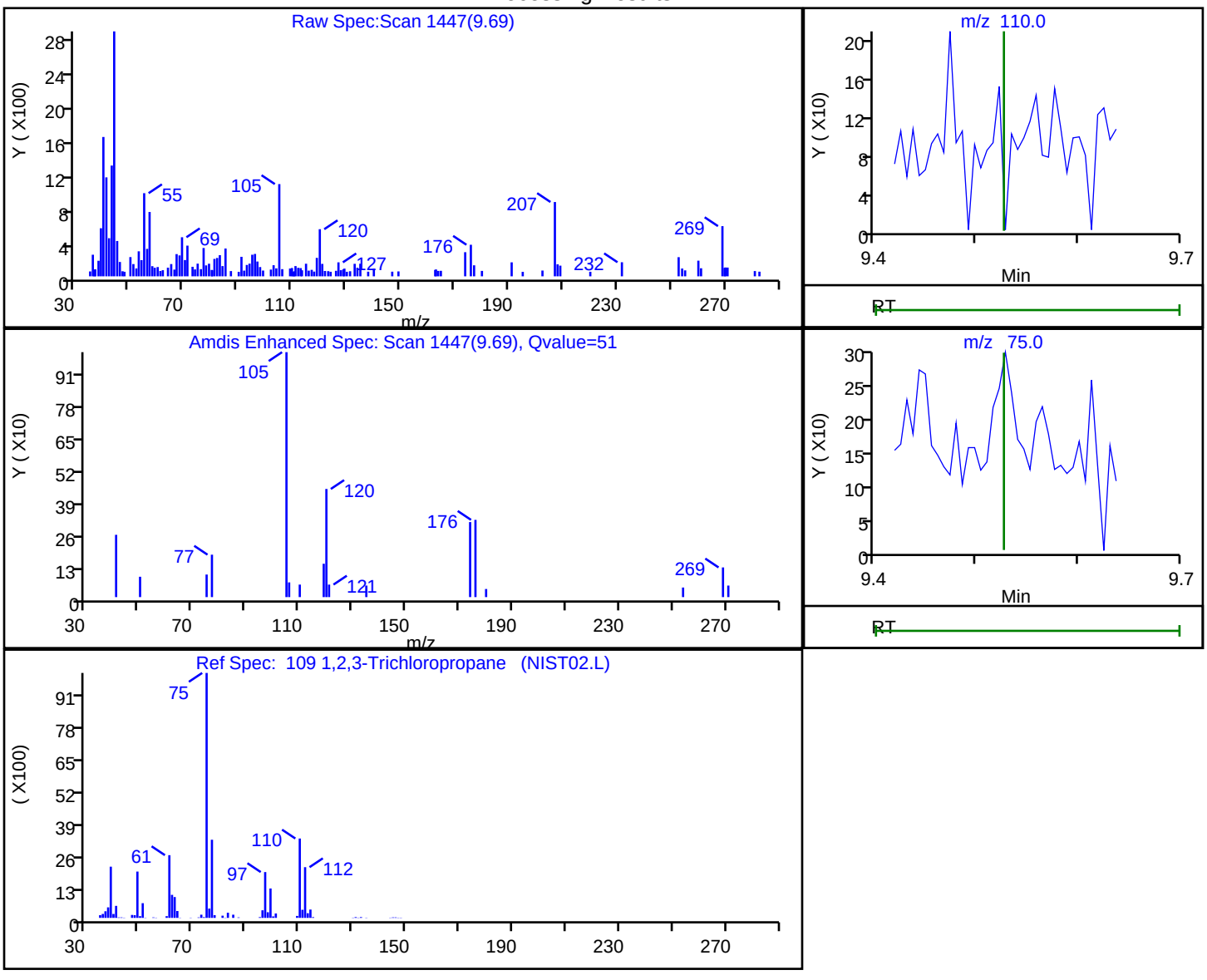
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

109 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
9.69	110.00	227	0.281695
9.68	75.00	285	

Reviewer: HVW2, 03-Apr-2024 23:05:23 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

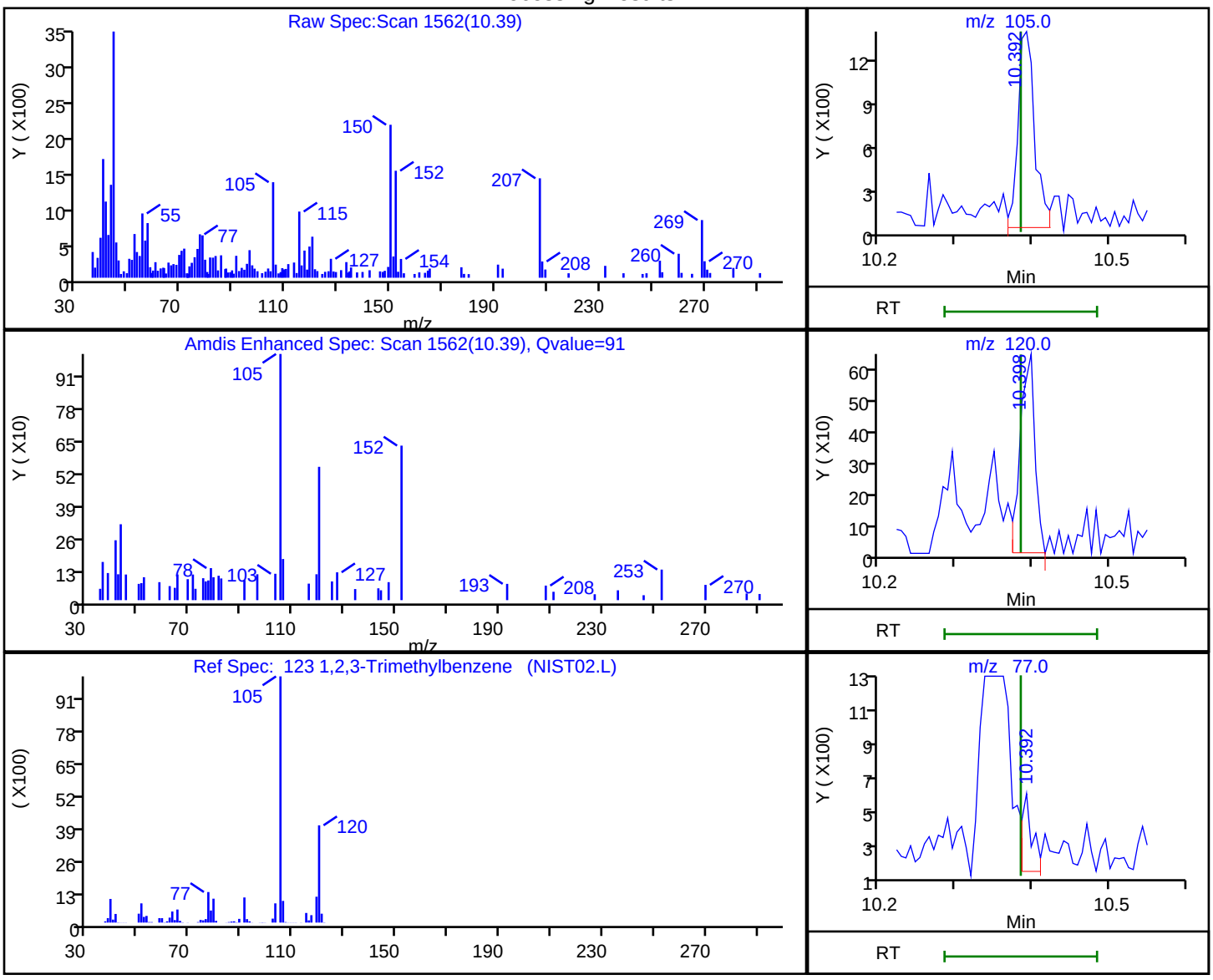
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
10.39	105.00	1856	0.186094
10.40	120.00	867	
10.39	77.00	379	

Reviewer: HVW2, 03-Apr-2024 23:05:43 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

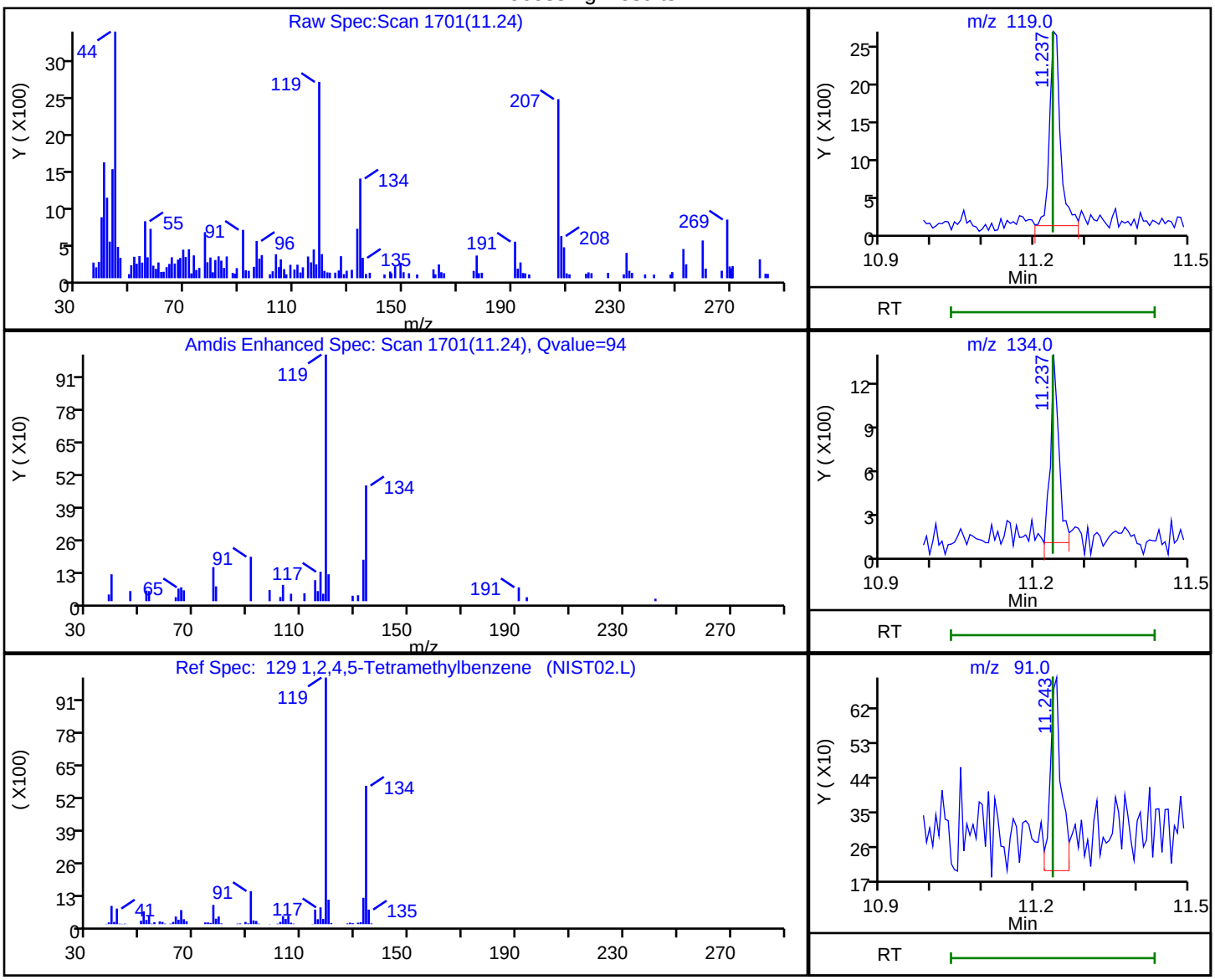
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

129 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
11.24	119.00	3646	0.434974
11.24	134.00	1464	
11.24	91.00	733	

Reviewer: HVW2, 03-Apr-2024 23:05:52 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

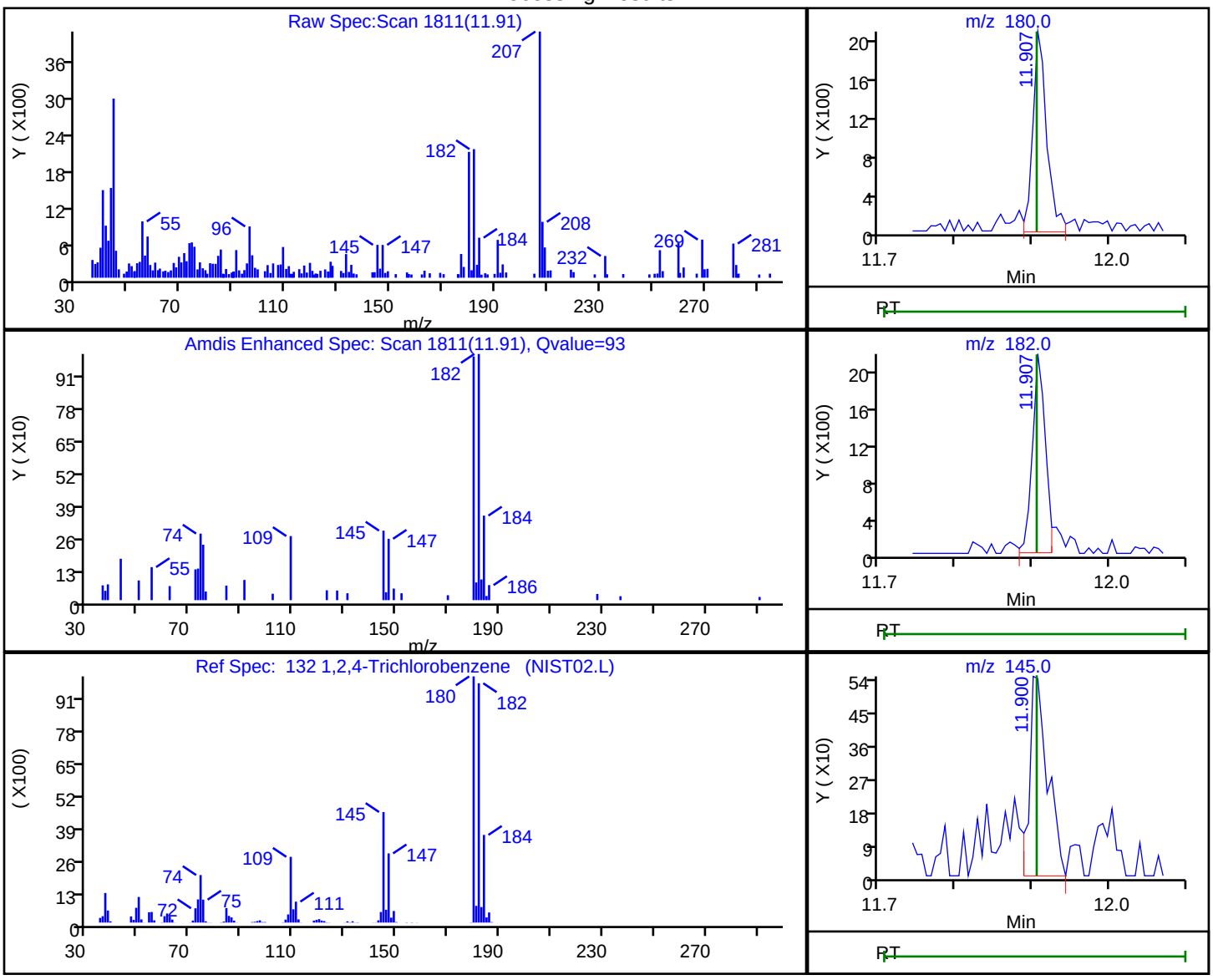
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

132 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
11.91	180.00	2602	0.740773
11.91	182.00	2503	
11.90	145.00	893	

Reviewer: HVW2, 03-Apr-2024 23:05:56 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

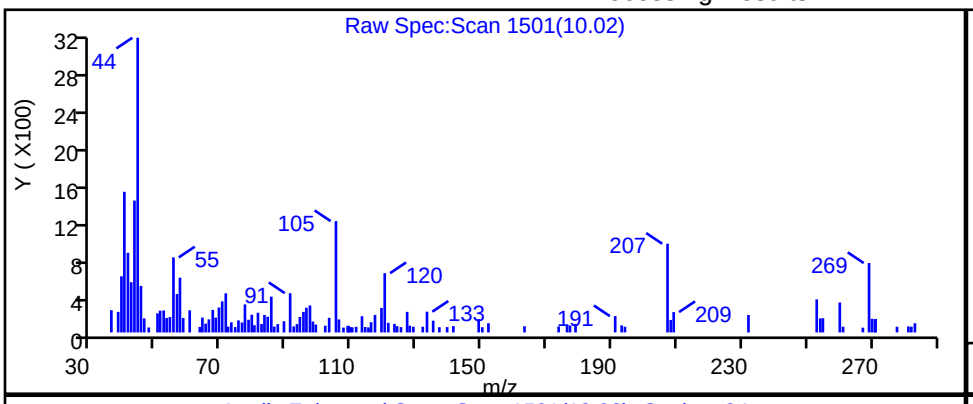
User Disabled Compound Report

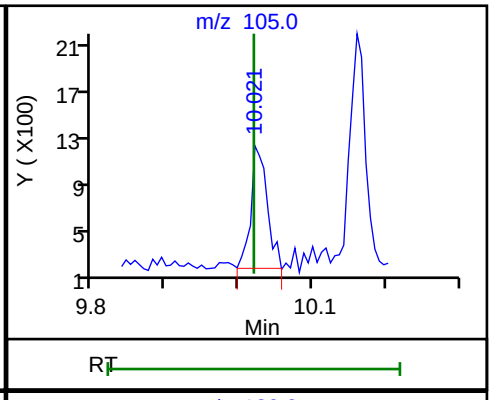
Eurofins Edison

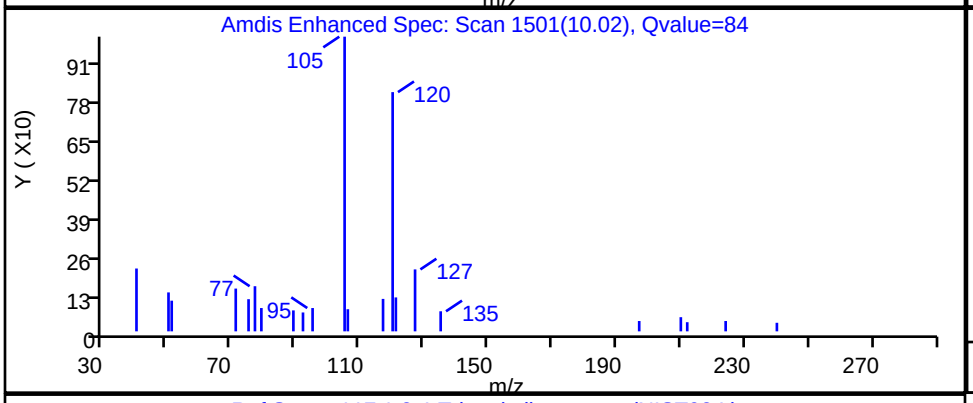
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

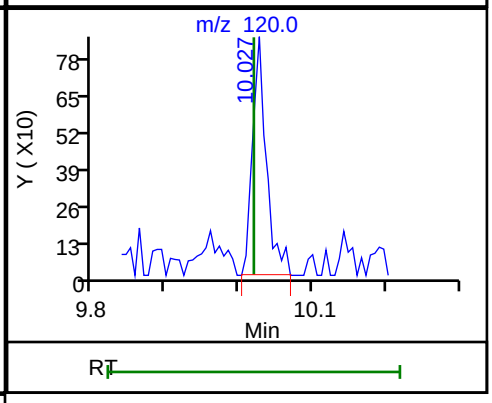
117 1,2,4-Trimethylbenzene, CAS: 95-63-6

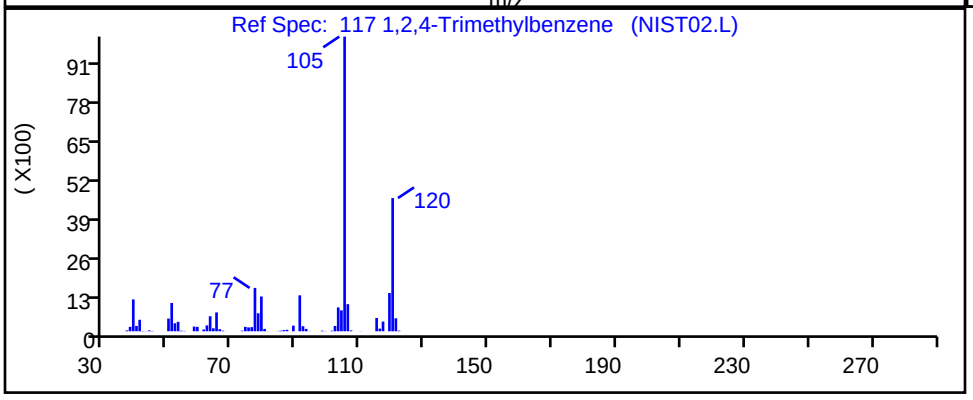
Processing Results











RT	Mass	Response	Amount
10.02	105.00	1637	0.178668
10.03	120.00	1138	

Reviewer: HVW2, 03-Apr-2024 23:05:35 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

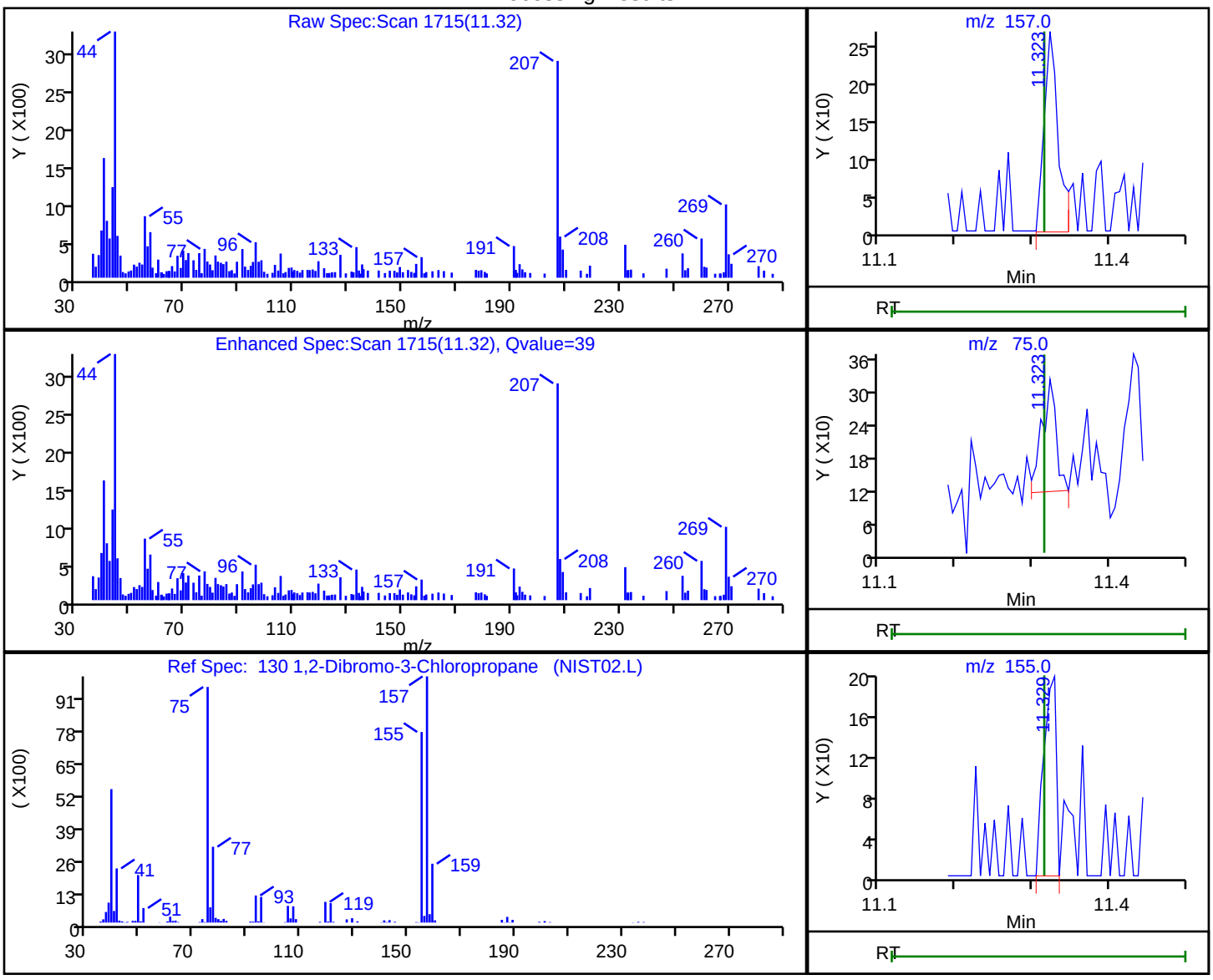
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D				
Injection Date:	03-Apr-2024 22:32:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

130 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Processing Results



RT	Mass	Response	Amount
11.32	157.00	342	0.435682
11.32	75.00	274	
11.33	155.00	217	

Reviewer: HVW2, 03-Apr-2024 23:05:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

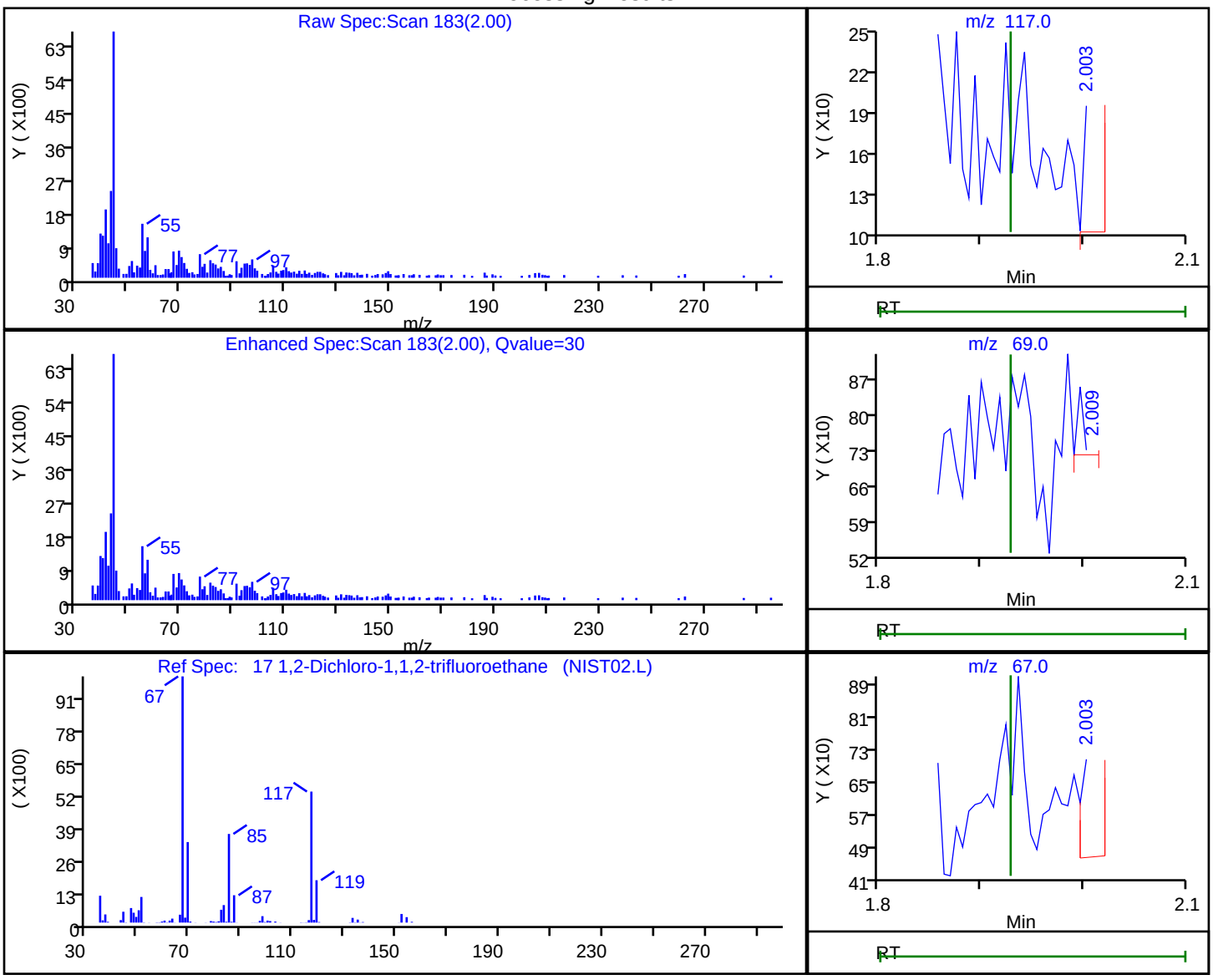
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

17 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Processing Results



RT	Mass	Response	Amount
2.00	117.00	86	0.043709
2.01	69.00	141	
2.00	67.00	179	
2.00	119.00	118	

Reviewer: HVW2, 03-Apr-2024 23:03:40 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

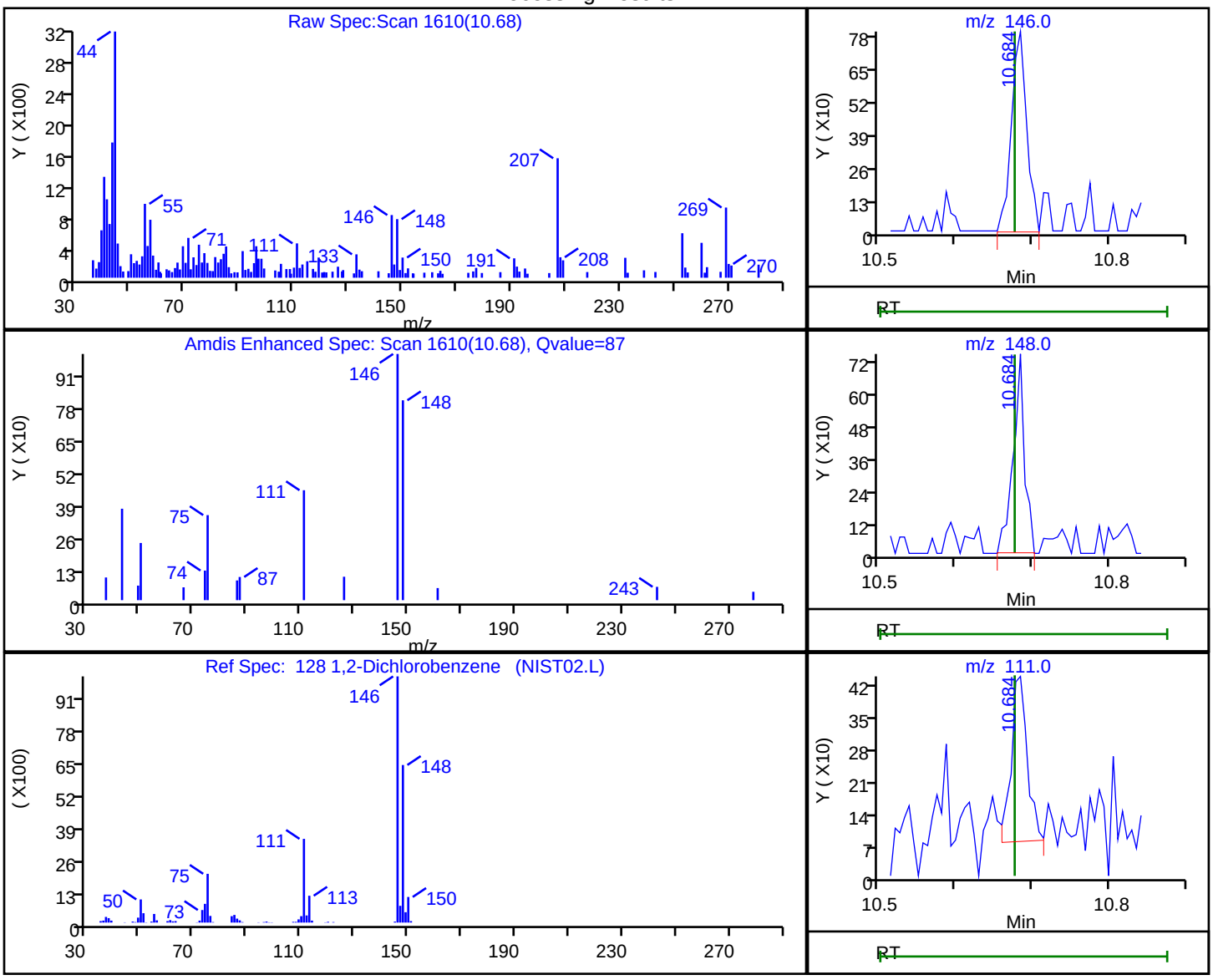
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

128 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
10.68	146.00	1102	0.201661
10.68	148.00	777	
10.68	111.00	531	

Reviewer: HVW2, 03-Apr-2024 23:05:50 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

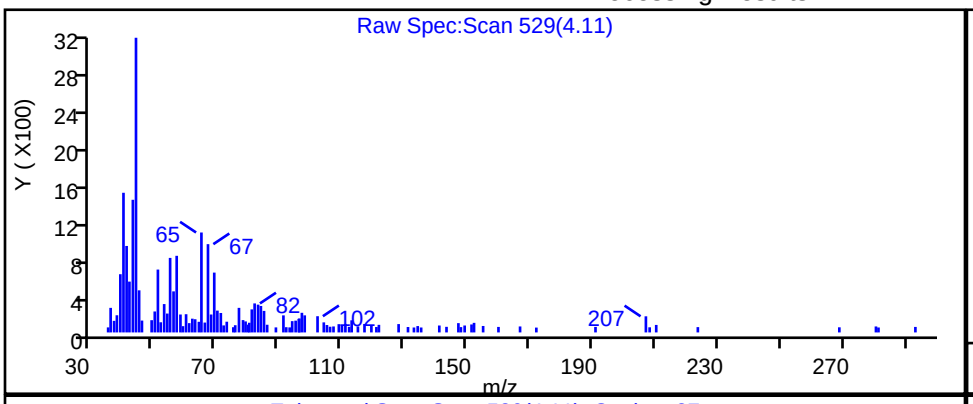
User Disabled Compound Report

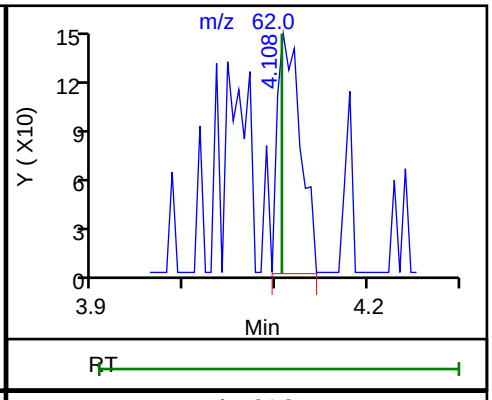
Eurofins Edison

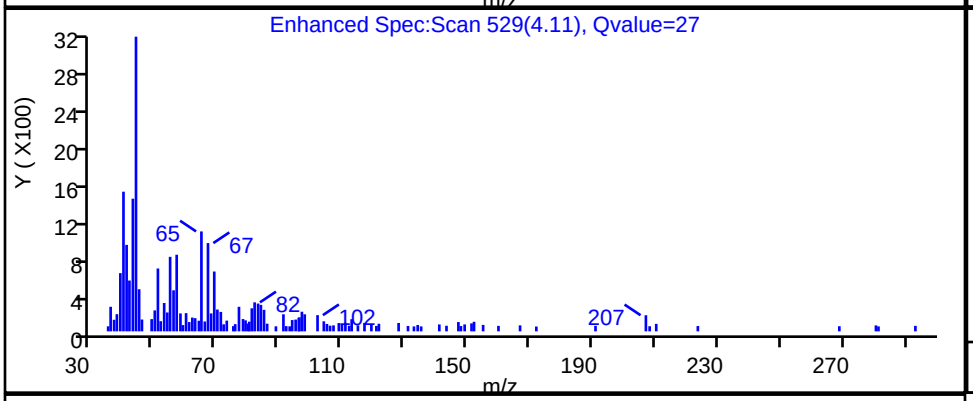
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

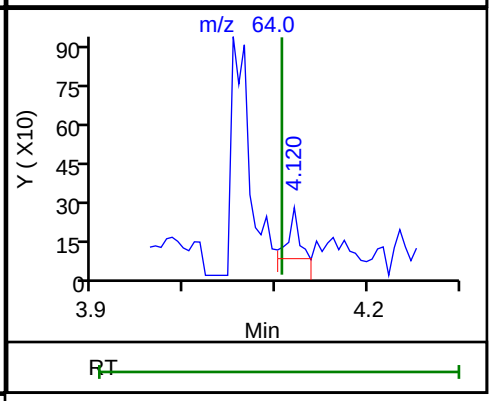
64 1,2-Dichloroethane, CAS: 107-06-2

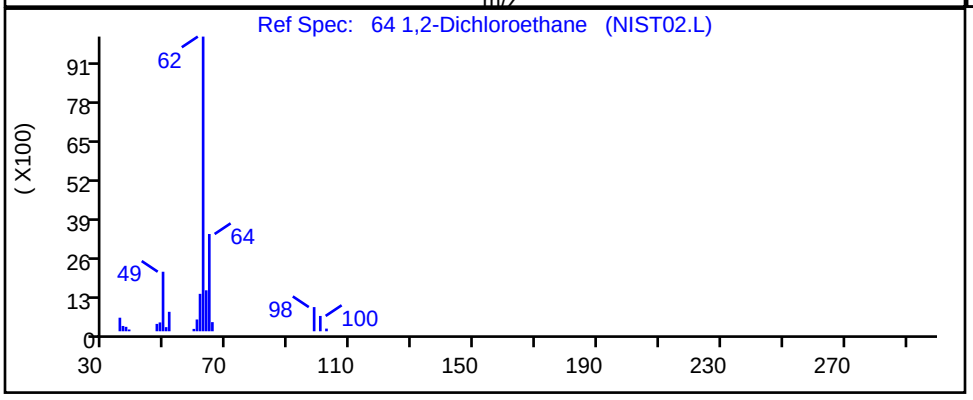
Processing Results











RT	Mass	Response	Amount
4.11	62.00	252	0.071358
4.12	64.00	168	

Reviewer: HVW2, 03-Apr-2024 23:04:35 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

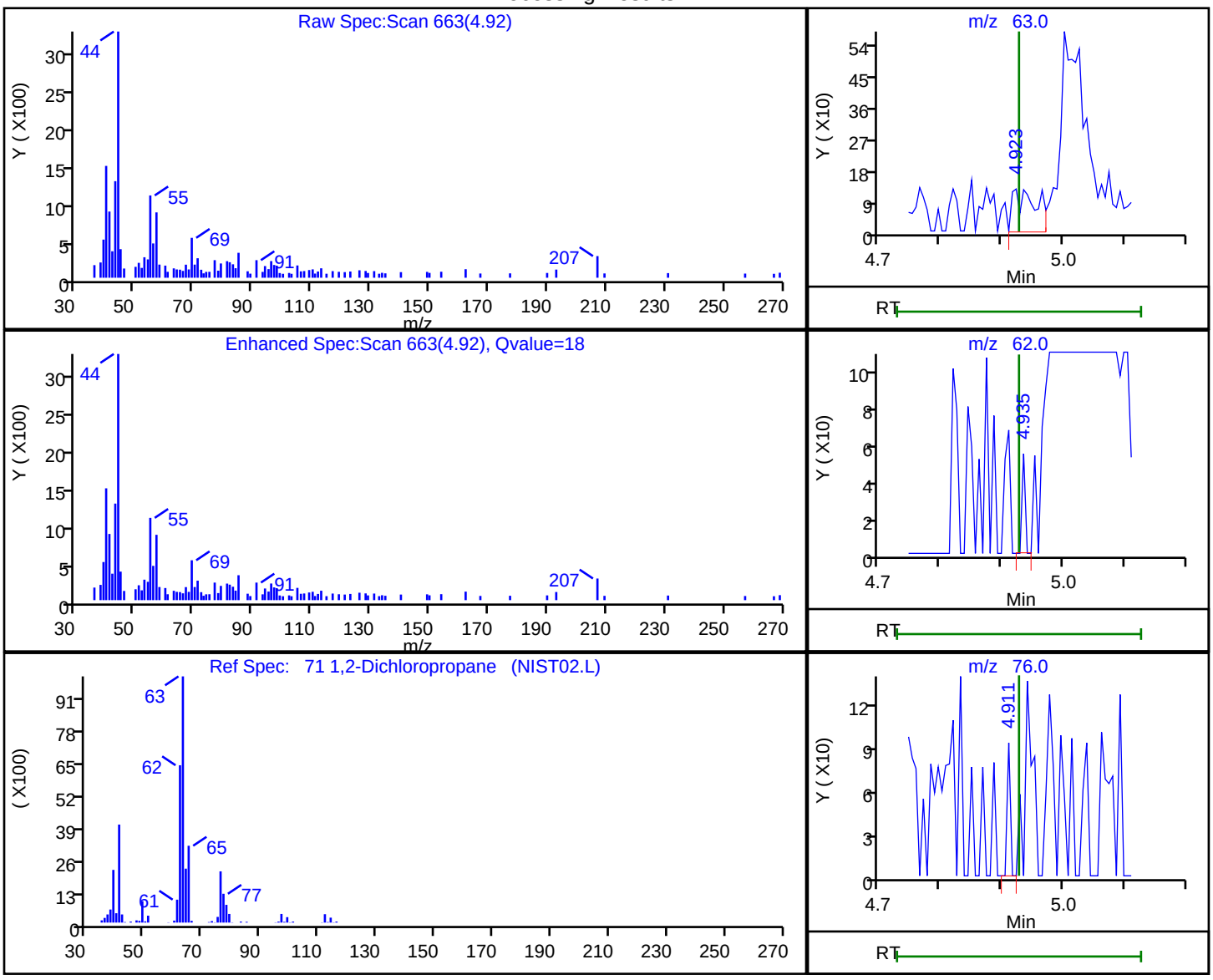
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

71 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
4.92	63.00	327	0.105649
4.93	62.00	20	
4.91	76.00	32	
4.91	112.00	174	

Reviewer: HVW2, 03-Apr-2024 23:04:39 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

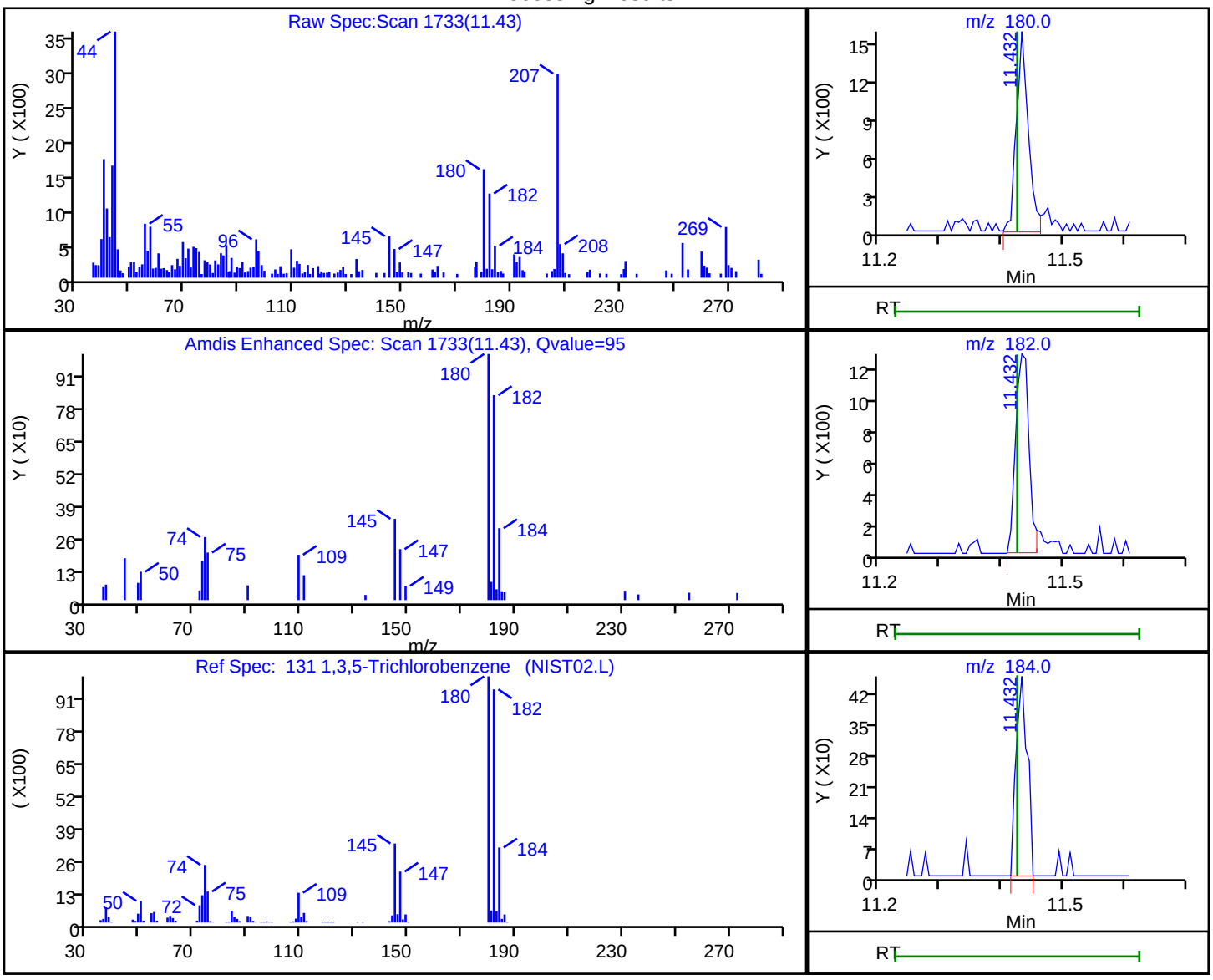
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

131 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results



RT	Mass	Response	Amount
11.43	180.00	2108	0.570241
11.43	182.00	1845	
11.43	184.00	584	

Reviewer: HVW2, 03-Apr-2024 23:05:55 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

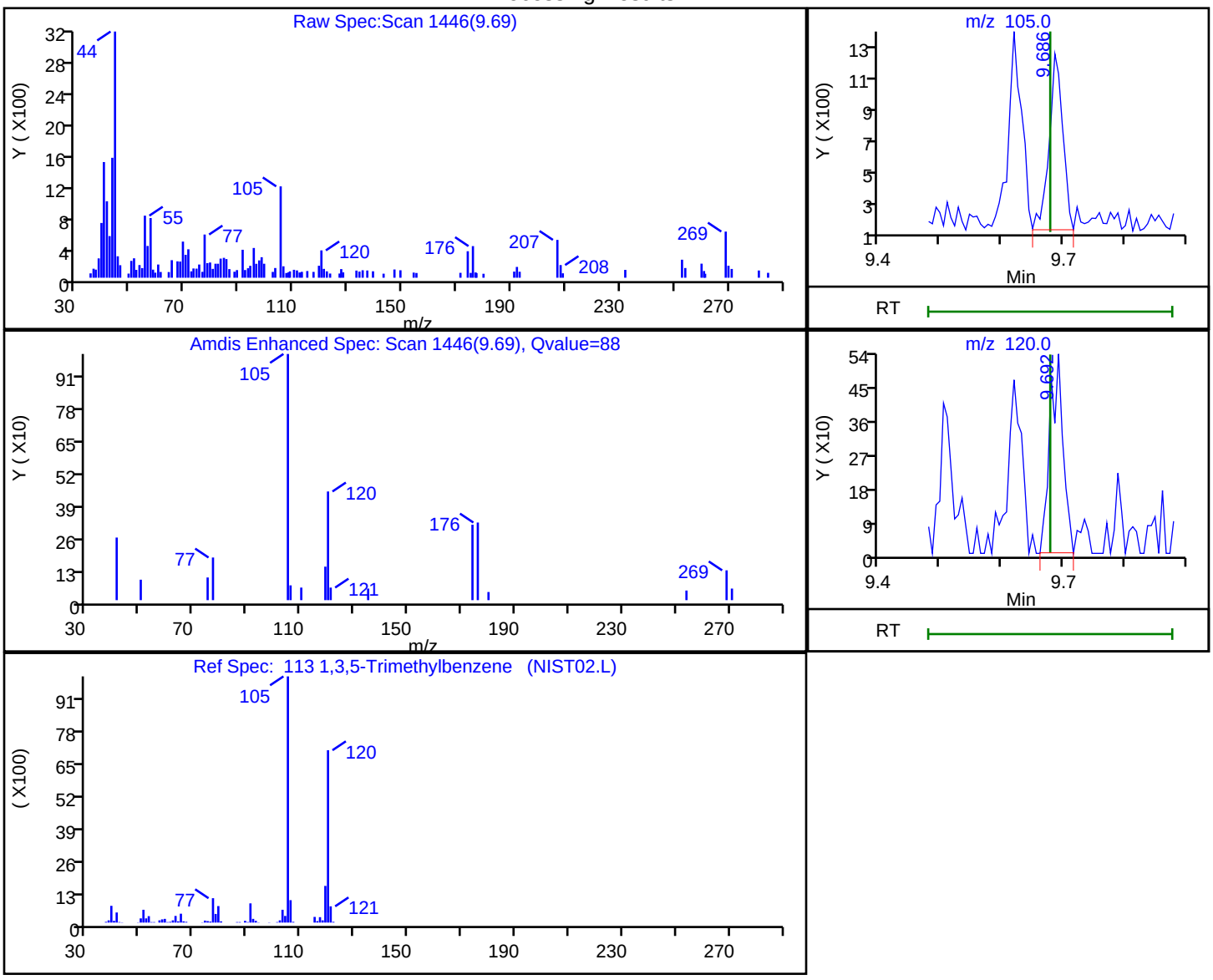
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

113 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
9.69	105.00	1643	0.188807
9.69	120.00	813	

Reviewer: HVW2, 03-Apr-2024 23:05:29 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

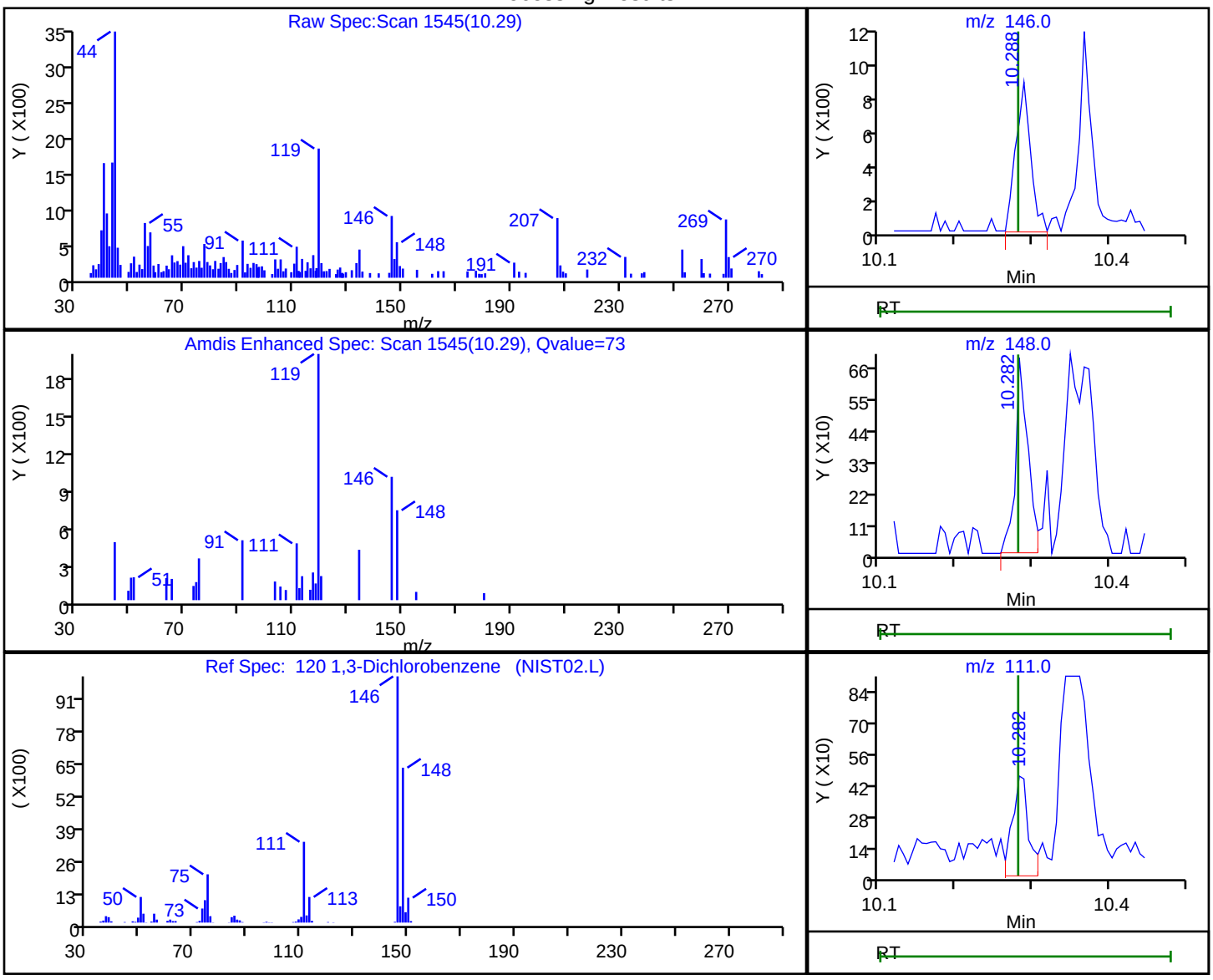
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

120 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
10.29	146.00	1183	0.213340
10.28	148.00	799	
10.28	111.00	669	

Reviewer: HVW2, 03-Apr-2024 23:05:38 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

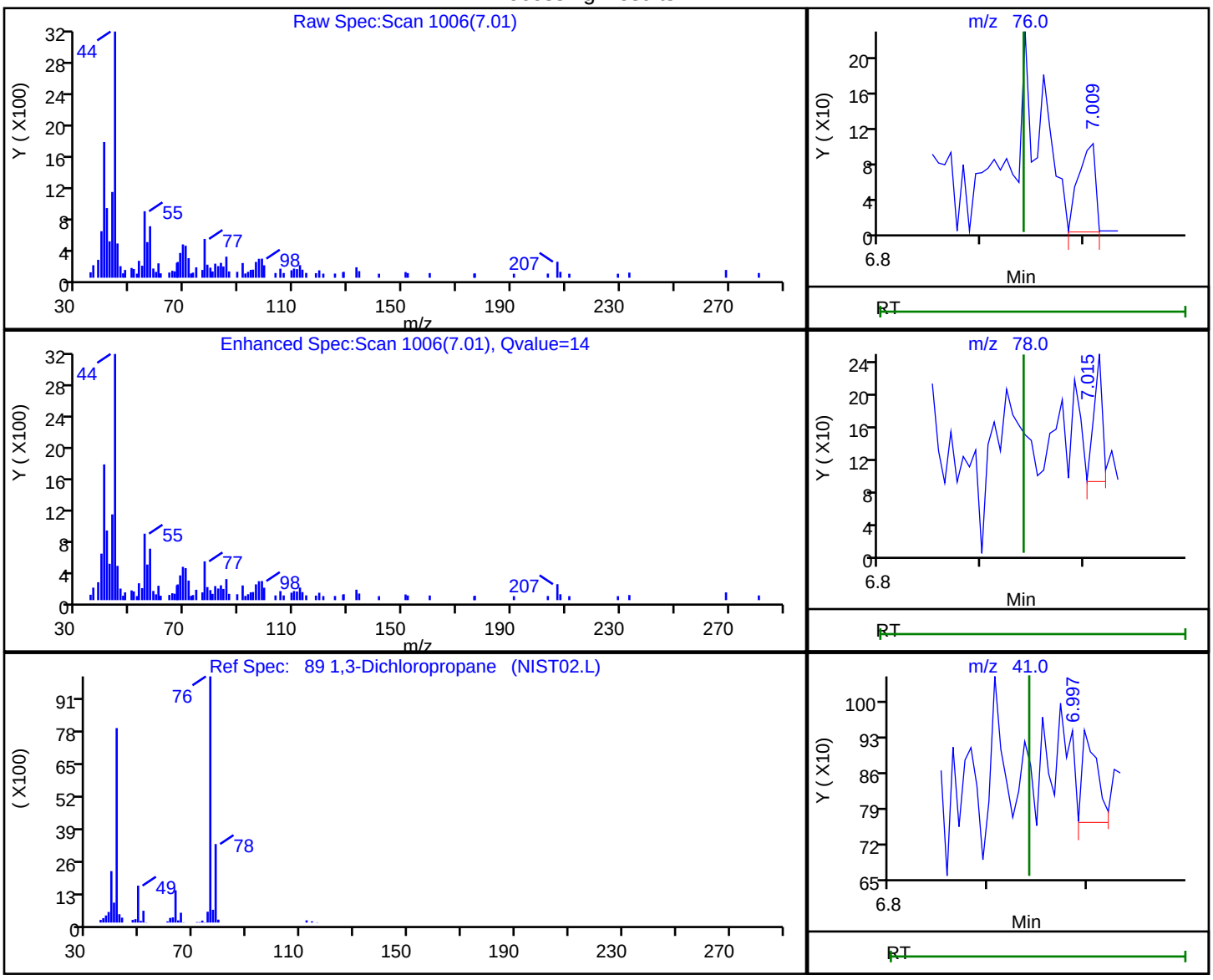
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

89 1,3-Dichloropropane, CAS: 142-28-9

Processing Results



RT	Mass	Response	Amount
7.01	76.00	113	0.026244
7.02	78.00	90	
7.00	41.00	182	

Reviewer: HVW2, 03-Apr-2024 23:05:01 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

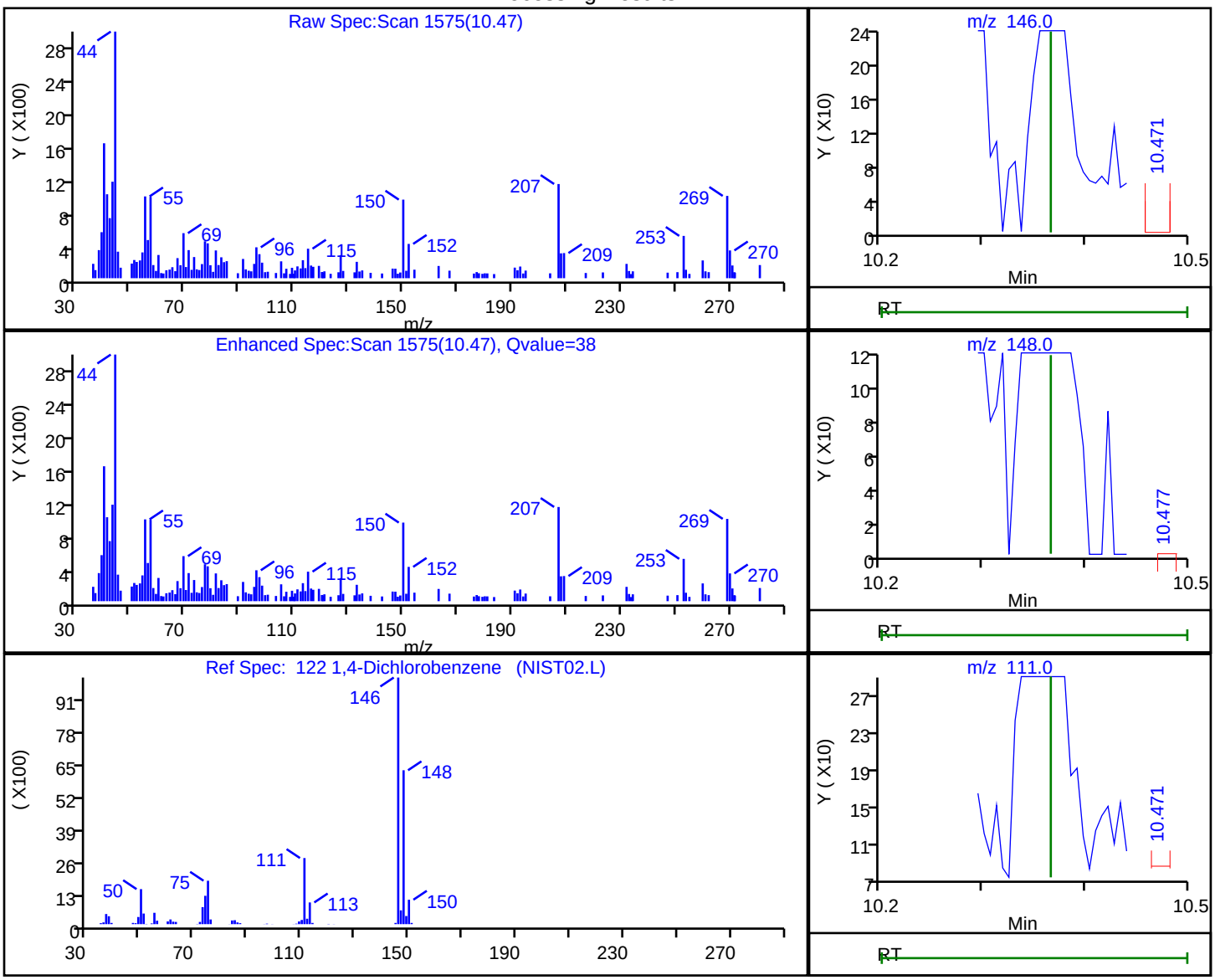
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

122 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.47	146.00	105	0.018168
10.48	148.00	63	
10.47	111.00	61	

Reviewer: HVW2, 03-Apr-2024 23:05:41 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

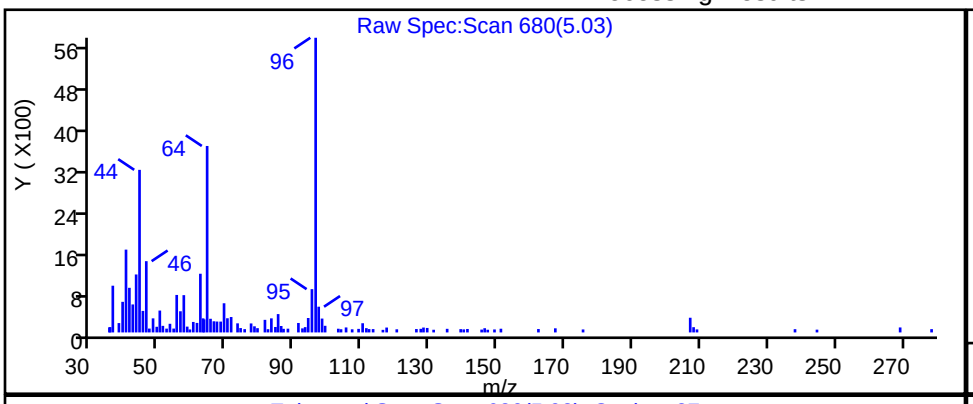
User Disabled Compound Report

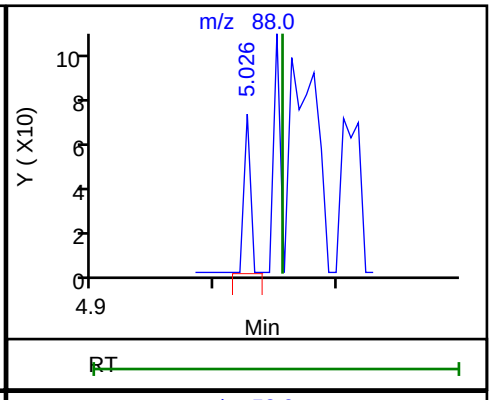
Eurofins Edison

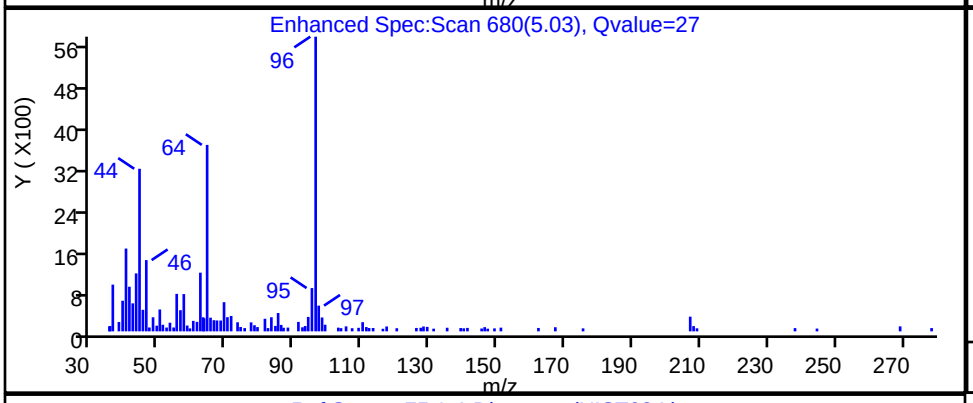
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

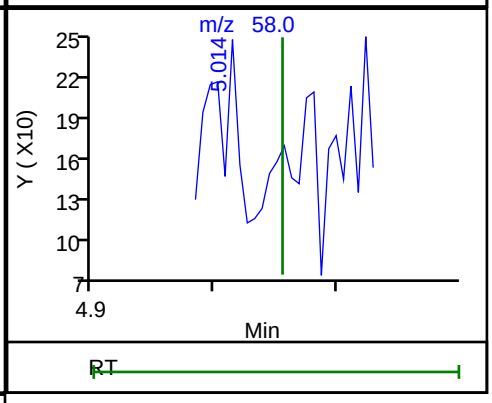
75 1,4-Dioxane, CAS: 123-91-1

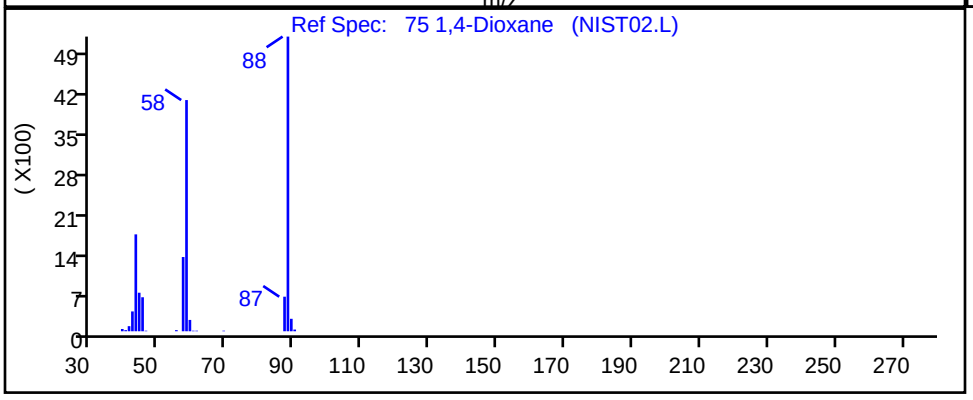
Processing Results











RT	Mass	Response	Amount
5.03	88.00	27	1.071081
5.01	58.00	286	

Reviewer: HVW2, 03-Apr-2024 23:04:44 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

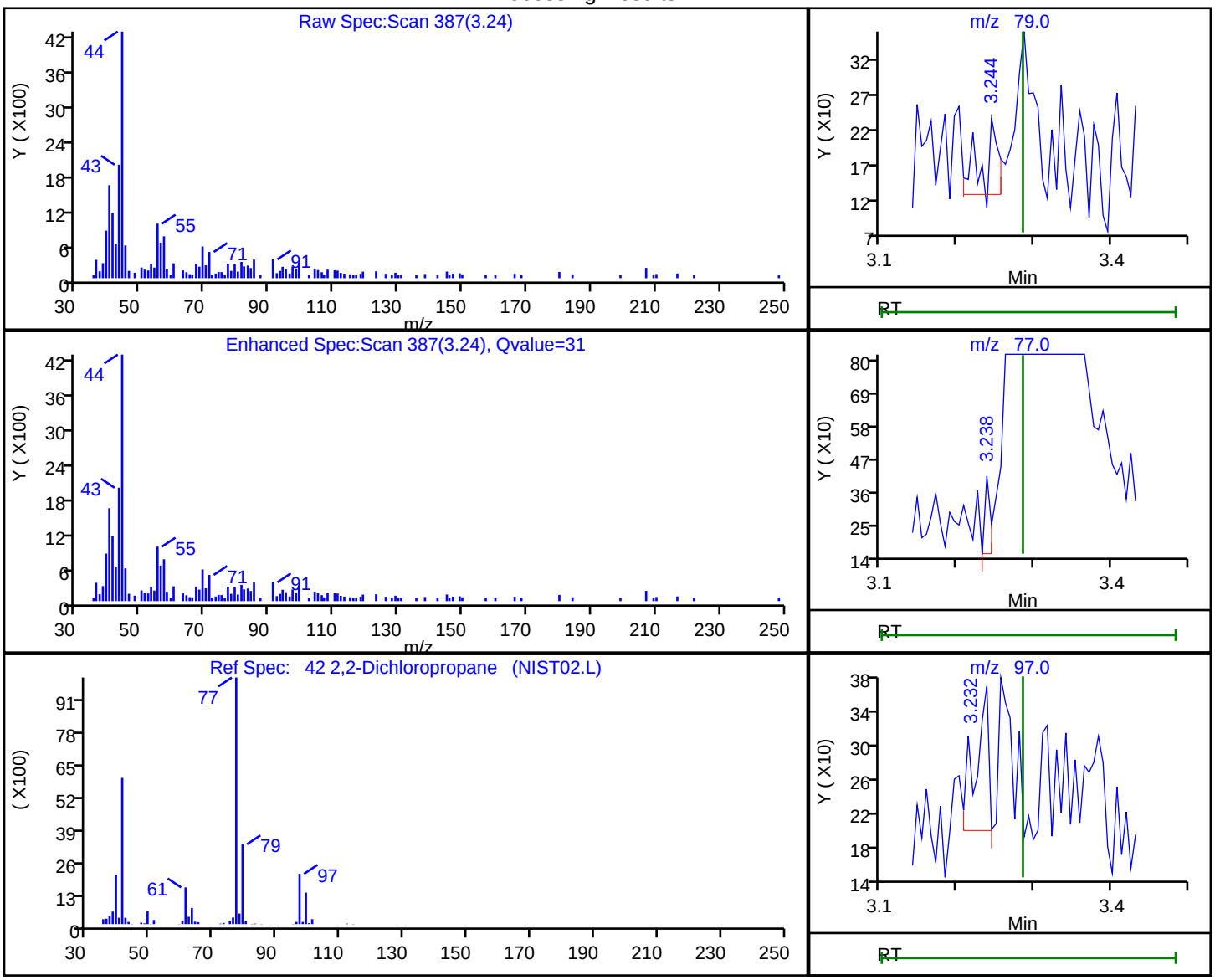
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Processing Results



RT	Mass	Response	Amount
3.24	79.00	145	0.126153
3.24	77.00	133	
3.23	97.00	197	

Reviewer: HVW2, 03-Apr-2024 23:04:13 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

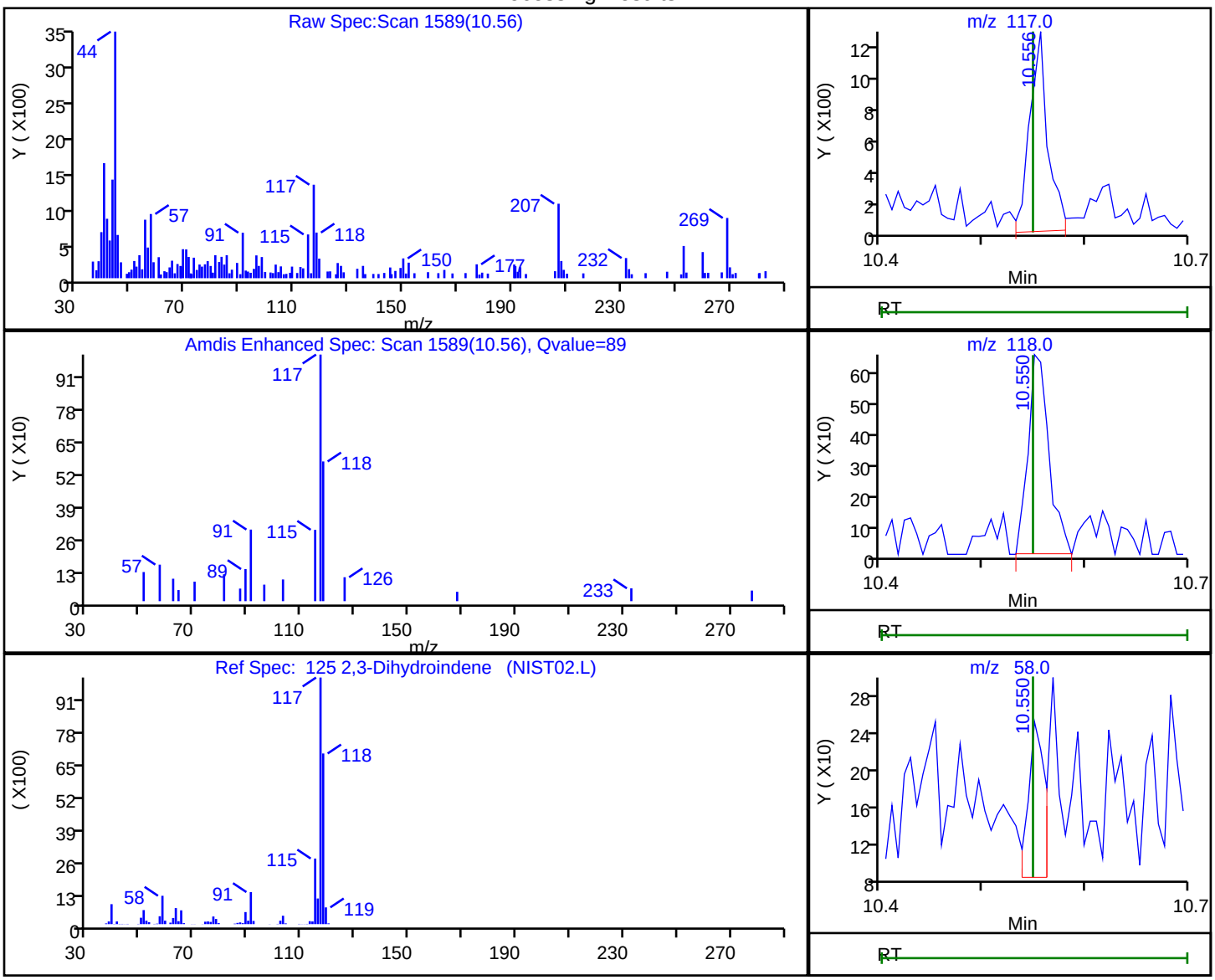
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

125 2,3-Dihydroindene, CAS: 496-11-7

Processing Results



RT	Mass	Response	Amount
10.56	117.00	1522	0.157076
10.55	118.00	941	
10.55	58.00	188	

Reviewer: HVW2, 03-Apr-2024 23:05:45 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

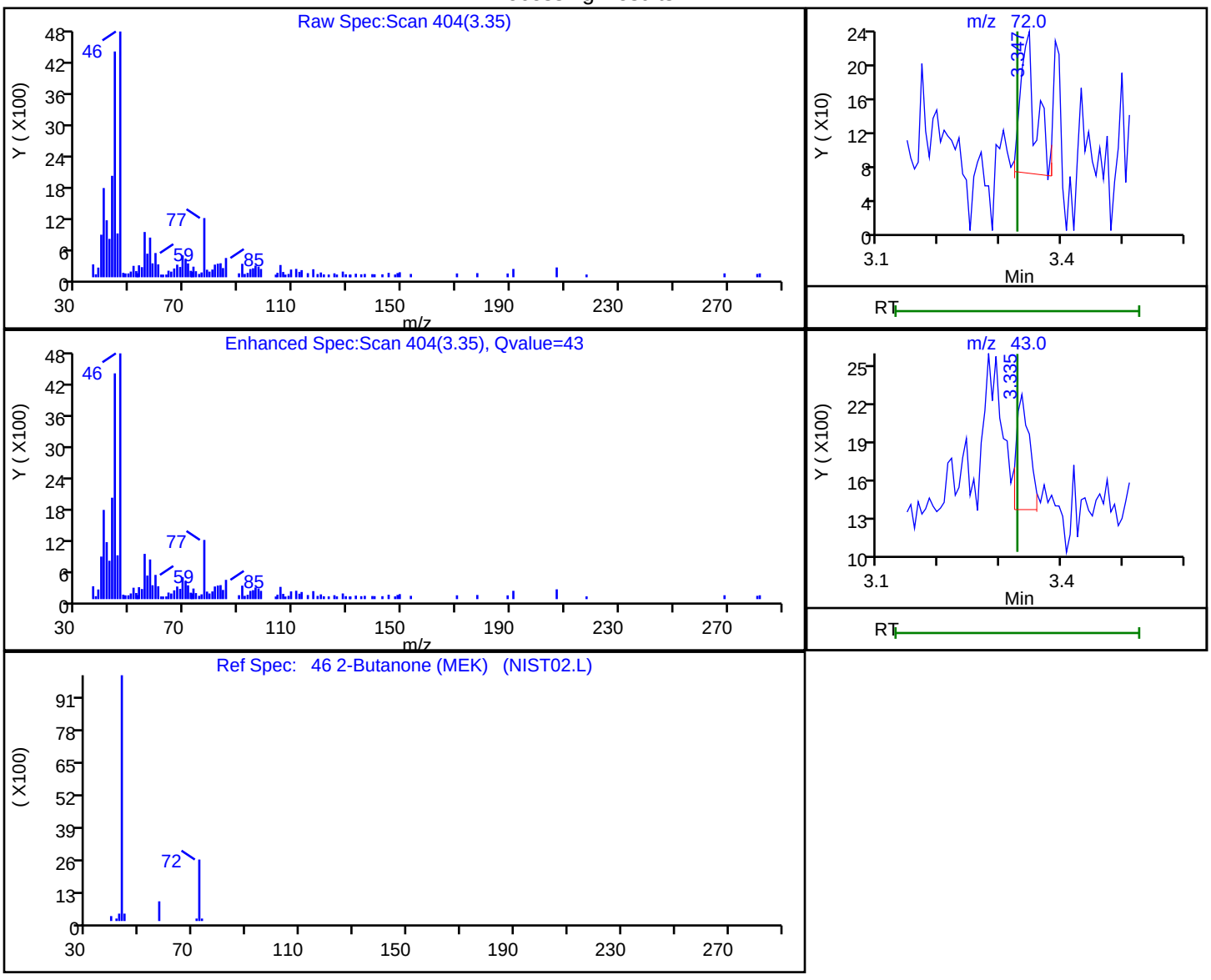
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

46 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
3.35	72.00	288	1.026632
3.33	43.00	1299	

Reviewer: HVW2, 03-Apr-2024 23:04:15 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

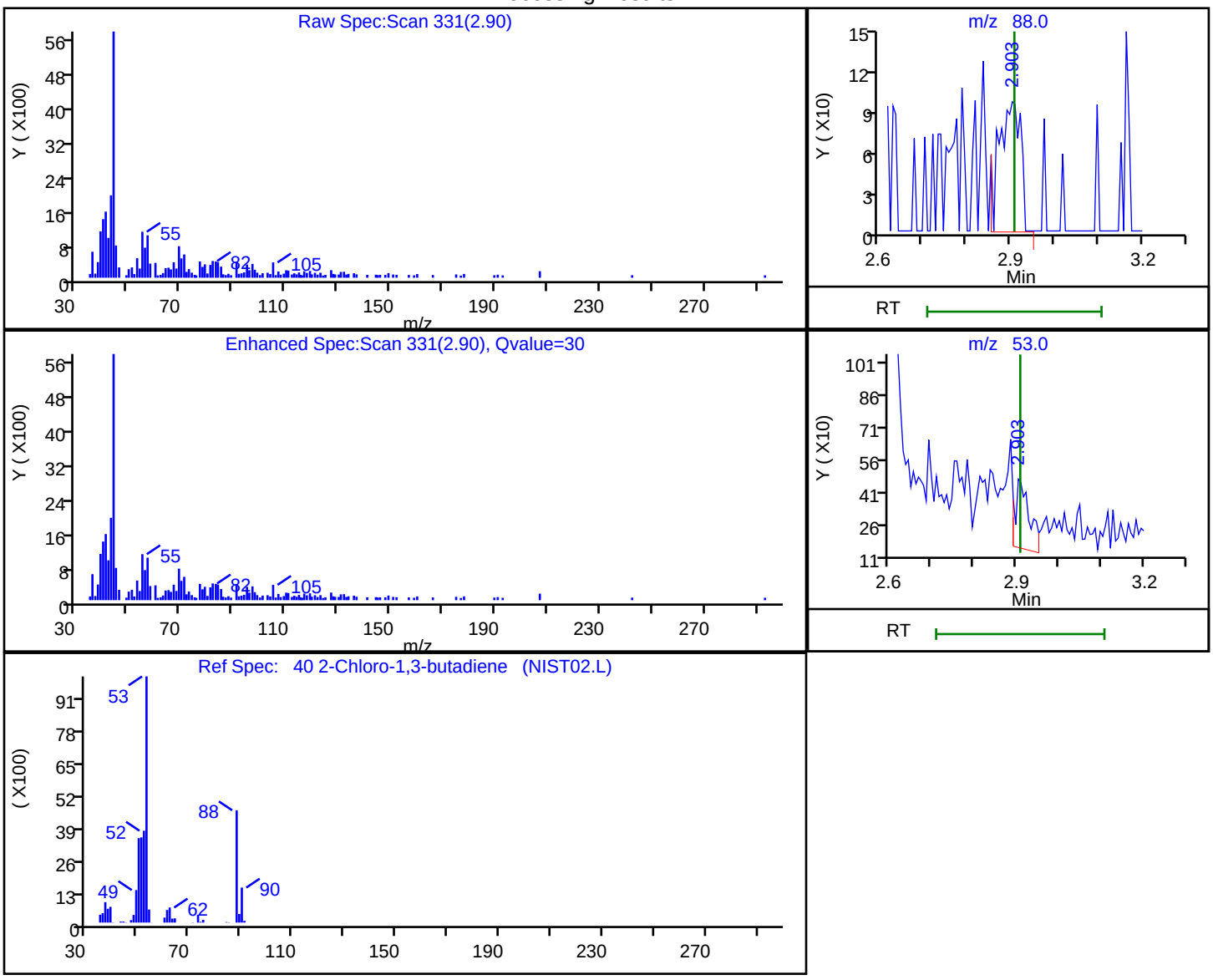
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

40 2-Chloro-1,3-butadiene, CAS: 126-99-8

Processing Results



RT	Mass	Response	Amount
2.90	88.00	319	0.134681
2.90	53.00	781	

Reviewer: HVW2, 03-Apr-2024 23:04:11 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

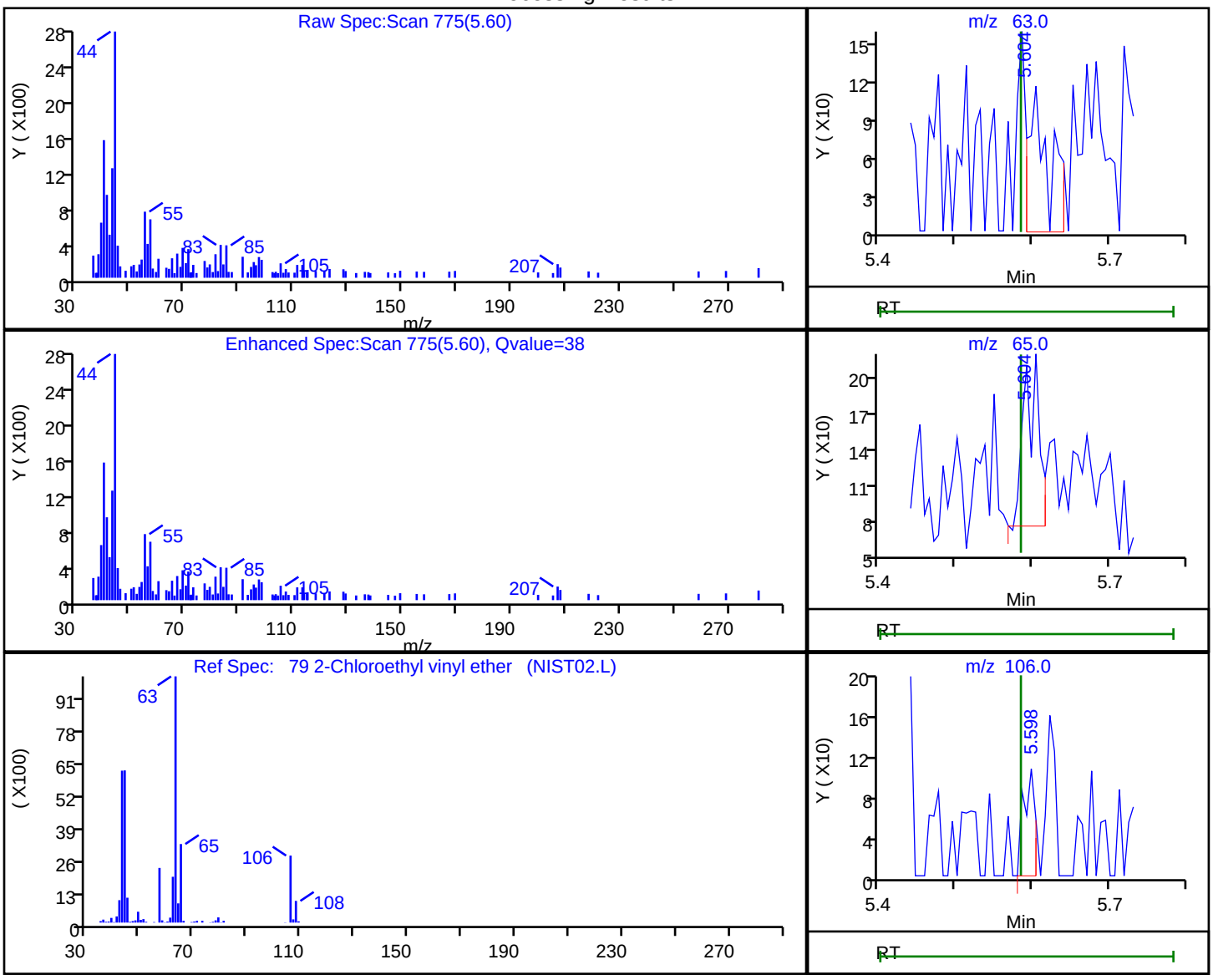
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Chloroethyl vinyl ether, CAS: 110-75-8

Processing Results



RT	Mass	Response	Amount
5.60	63.00	208	0.190938
5.60	65.00	192	
5.60	106.00	110	

Reviewer: HVW2, 03-Apr-2024 23:04:50 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

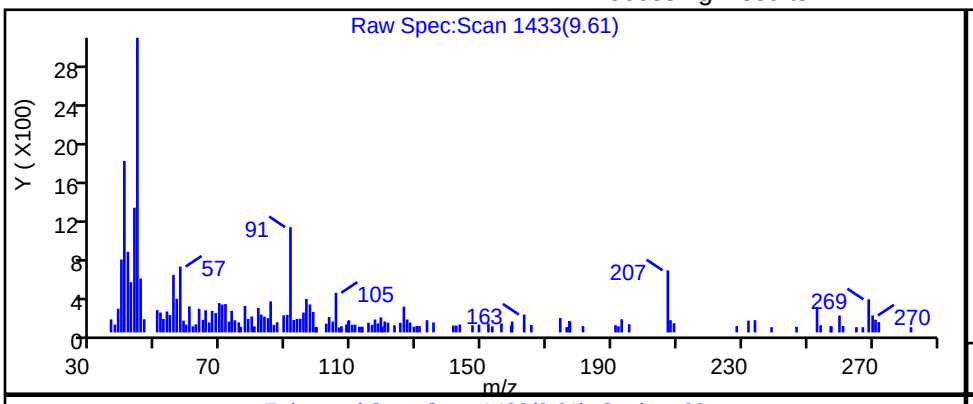
User Disabled Compound Report

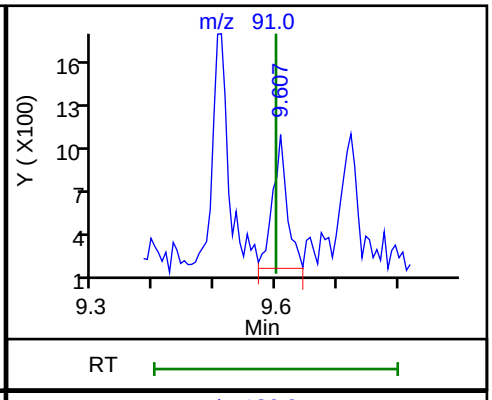
Eurofins Edison

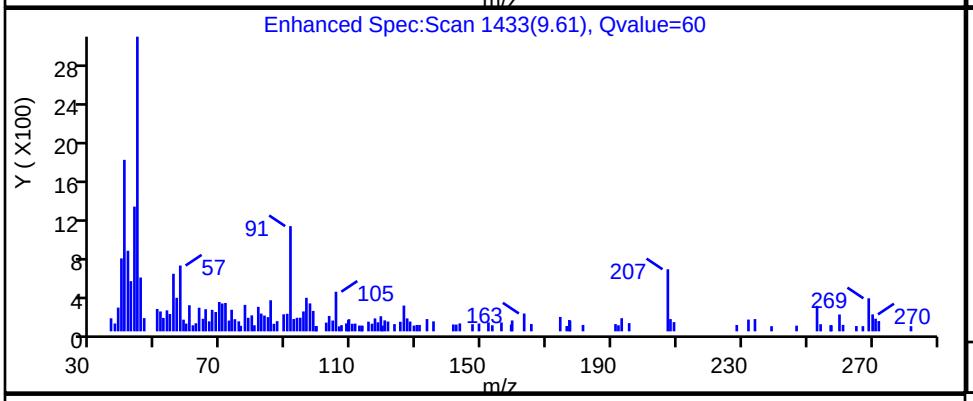
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

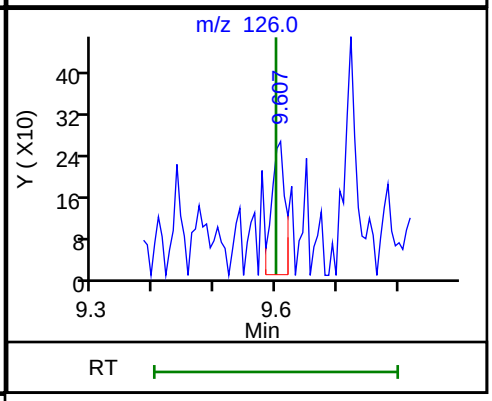
111 2-Chlorotoluene, CAS: 95-49-8

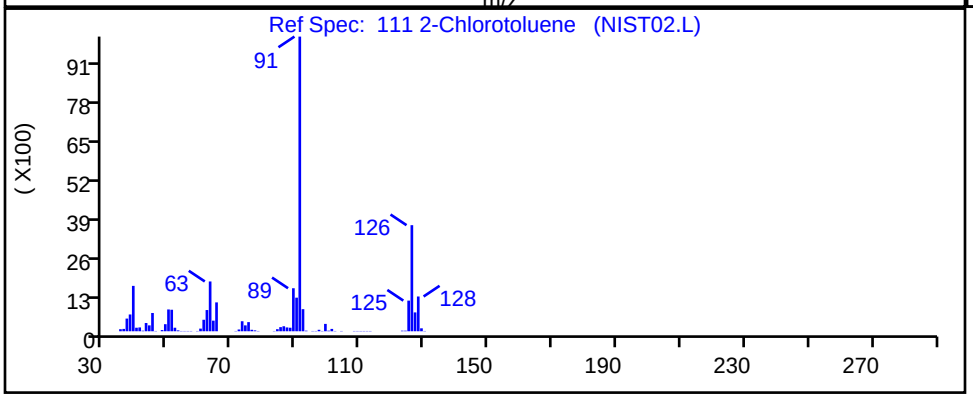
Processing Results











RT	Mass	Response	Amount
9.61	91.00	1475	0.165763
9.61	126.00	407	

Reviewer: HVW2, 03-Apr-2024 23:05:24 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

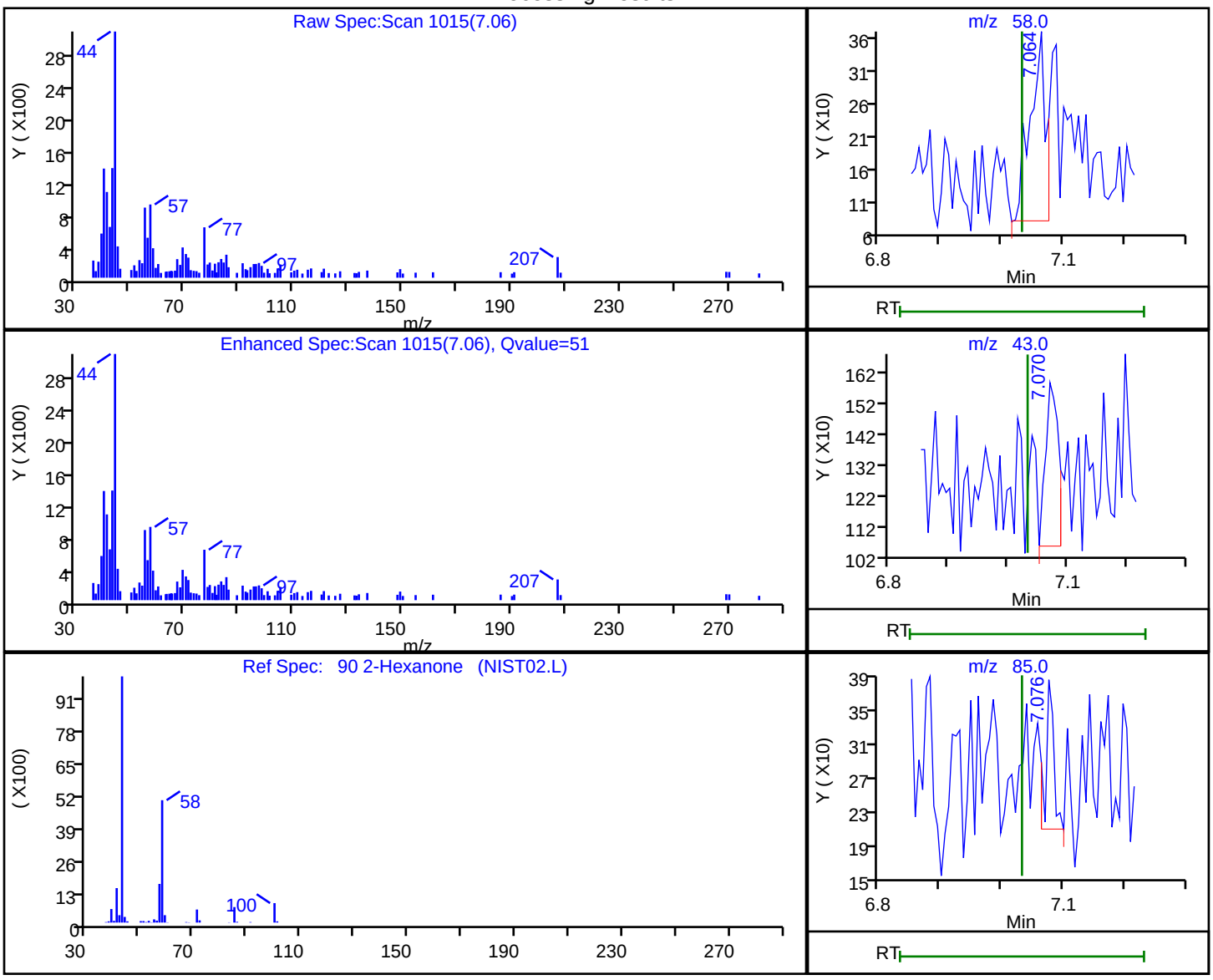
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

90 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.06	58.00	513	0.569525
7.07	43.00	792	
7.08	85.00	158	
7.06	100.00	115	

Reviewer: HVW2, 03-Apr-2024 23:05:02 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

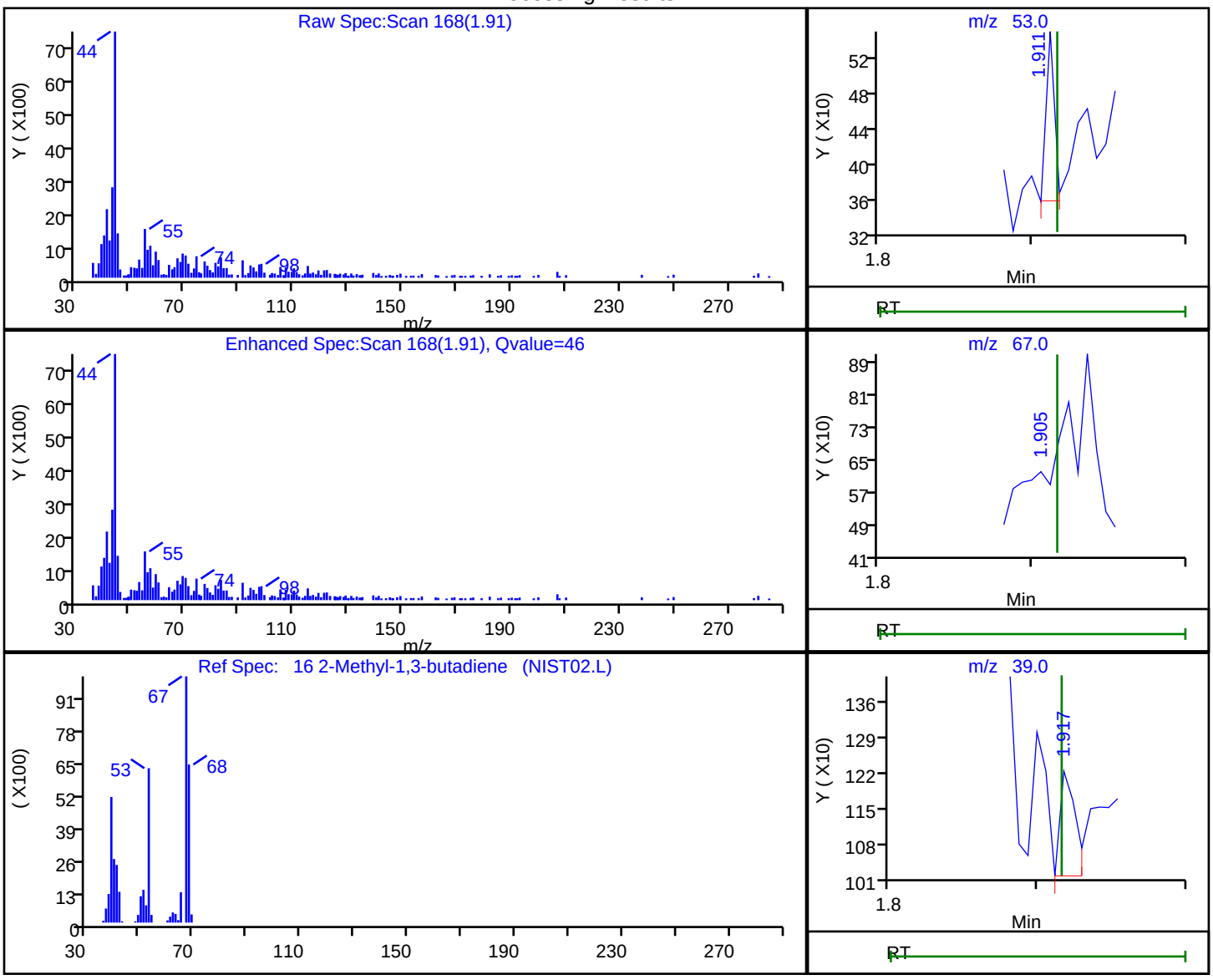
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
1.91	53.00	74	0.034146
1.91	67.00	394	
1.92	39.00	146	

Reviewer: HVW2, 03-Apr-2024 23:03:39 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

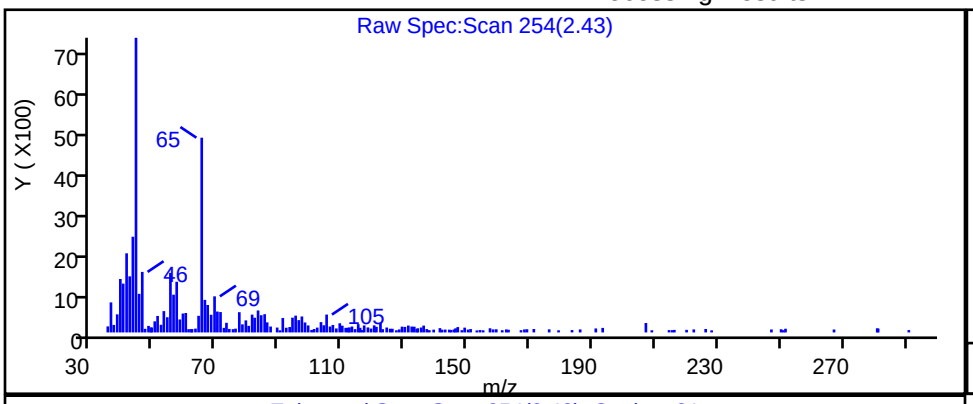
User Disabled Compound Report

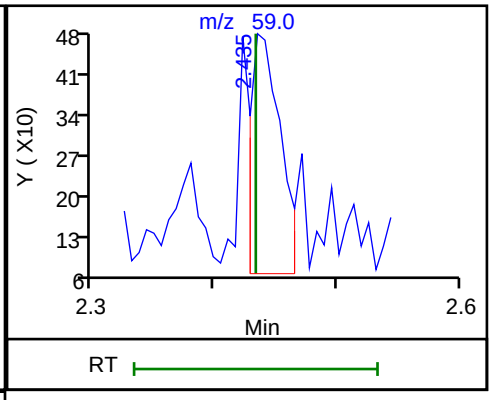
Eurofins Edison

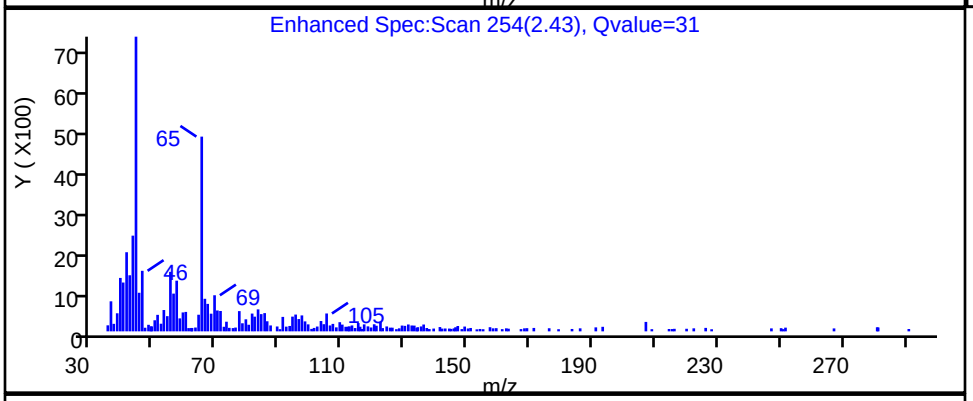
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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

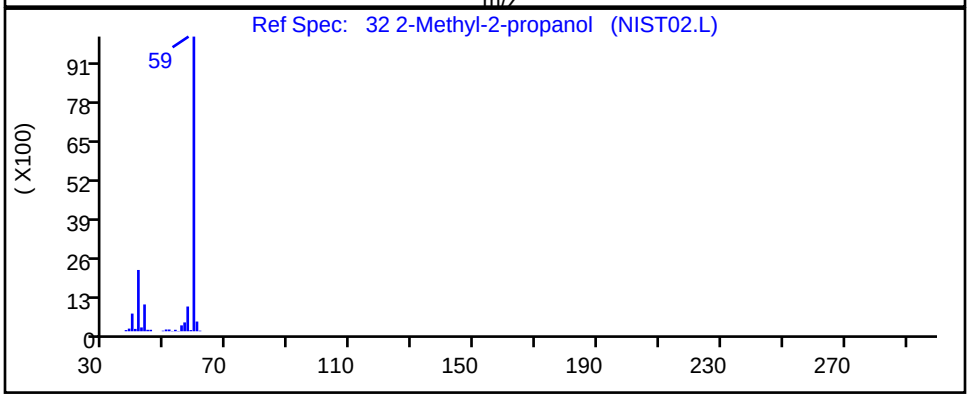
32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results









RT	Mass	Response	Amount
2.43	59.00	696	3.834300

Reviewer: W9CM, 04-Apr-2024 10:43:46 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

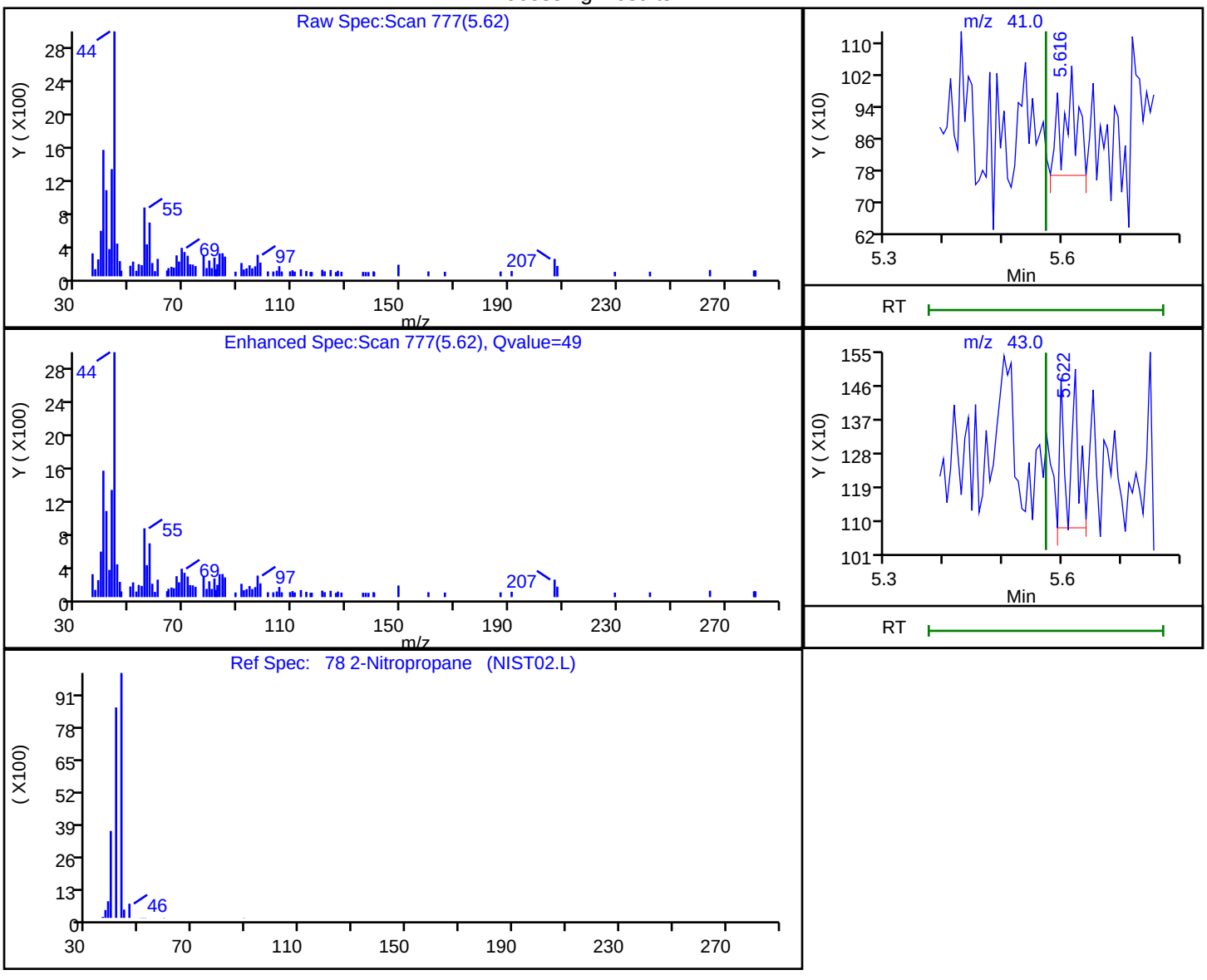
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

78 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
5.62	41.00	431	0.473764
5.62	43.00	546	

Reviewer: HVW2, 03-Apr-2024 23:04:47 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

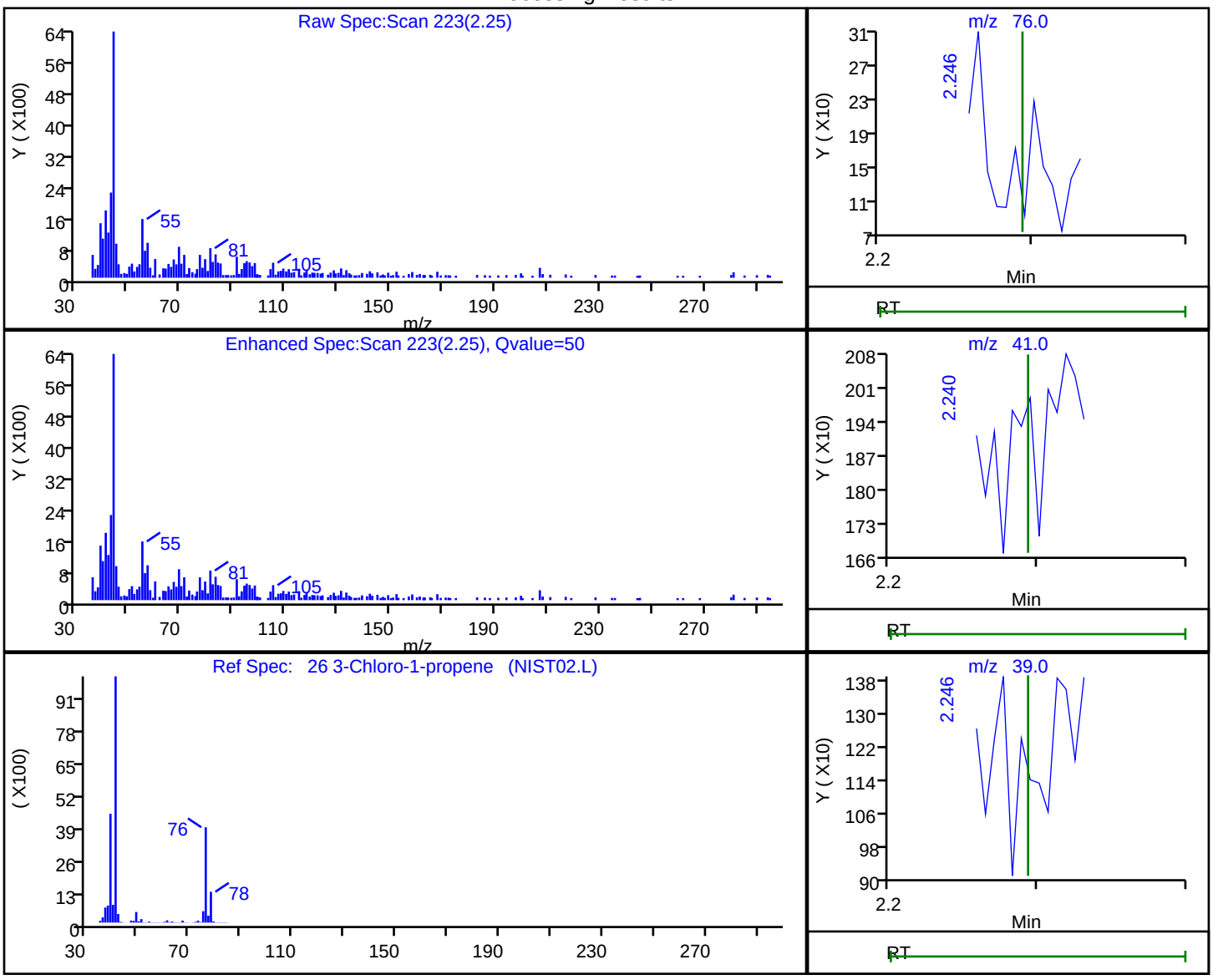
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
2.25	76.00	69	0.047252
2.24	41.00	230	
2.25	39.00	377	

Reviewer: HVW2, 03-Apr-2024 23:03:50 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

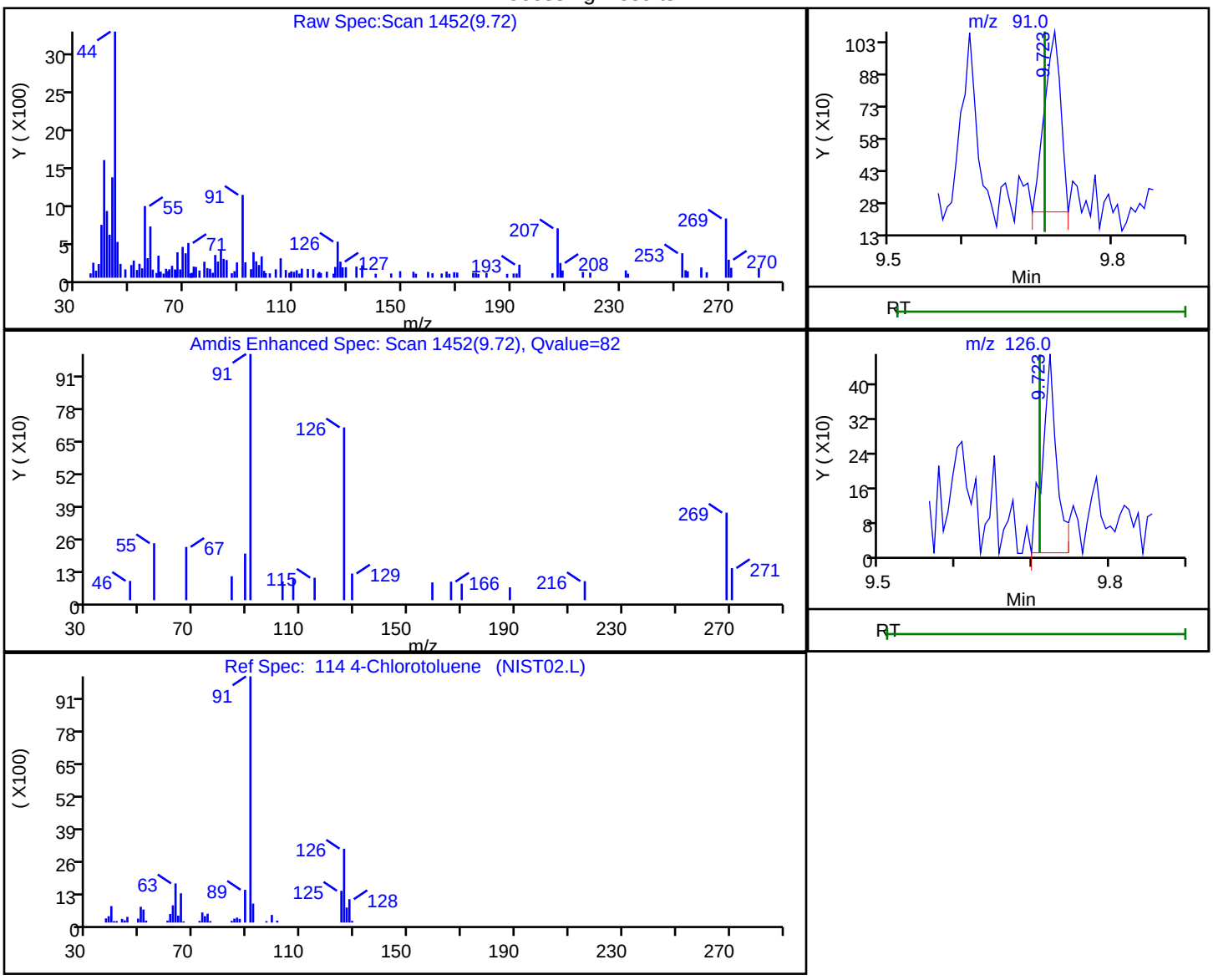
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

114 4-Chlorotoluene, CAS: 106-43-4

Processing Results



RT	Mass	Response	Amount
9.72	91.00	1306	0.151618
9.72	126.00	601	

Reviewer: HVW2, 03-Apr-2024 23:05:31 -04:00:00 (UTC)
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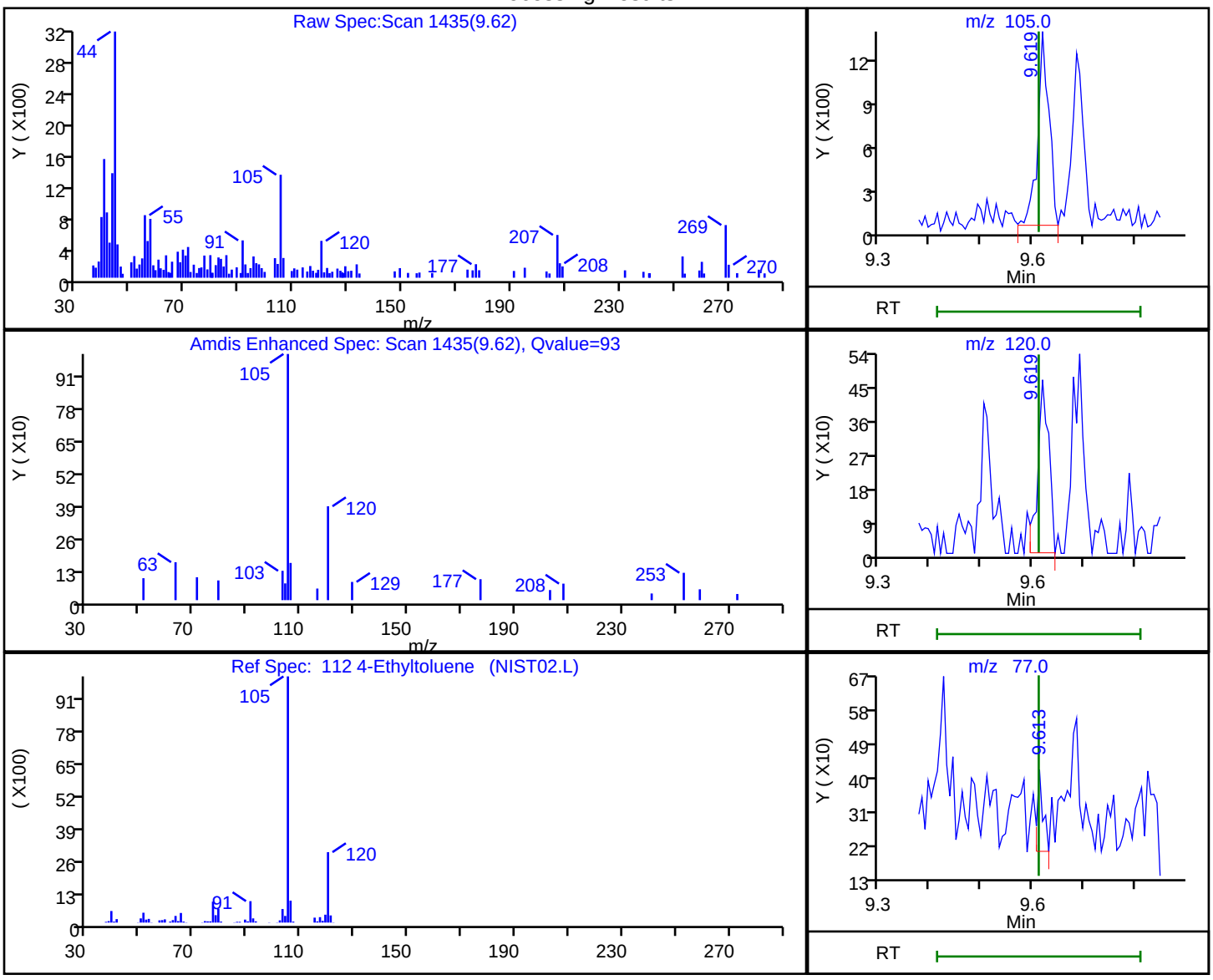
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

112 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
9.62	105.00	1823	0.174448
9.62	120.00	705	
9.61	77.00	169	

Reviewer: HVW2, 03-Apr-2024 23:05:27 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 04-Apr-2024 11:06:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8

Lims ID: STD7

Client ID:

Operator ID: ALS Bottle#: 10 Worklist Smp#: 15

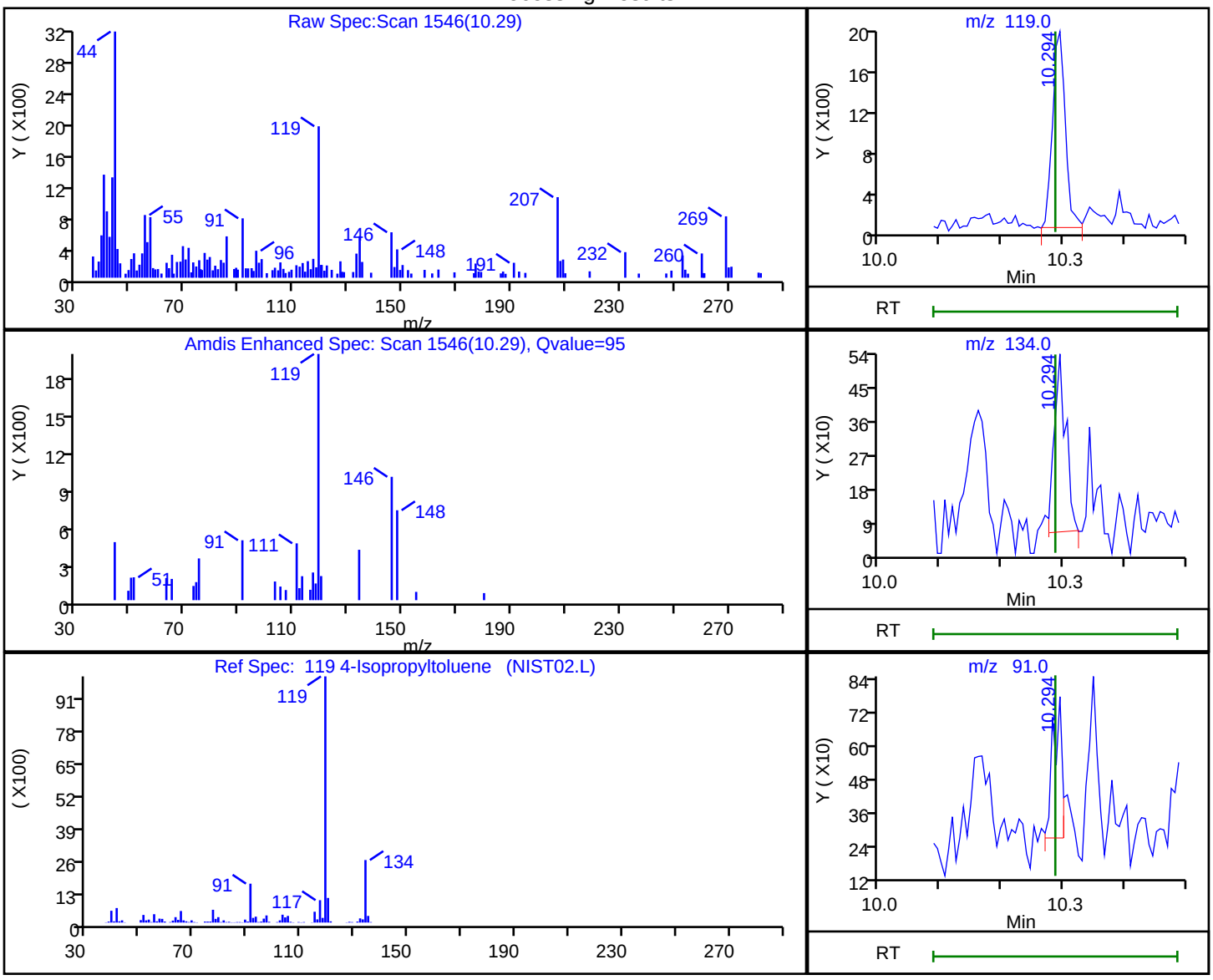
Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.29	119.00	2753	0.324714
10.29	134.00	644	
10.29	91.00	527	

Reviewer: HVW2, 03-Apr-2024 23:05:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

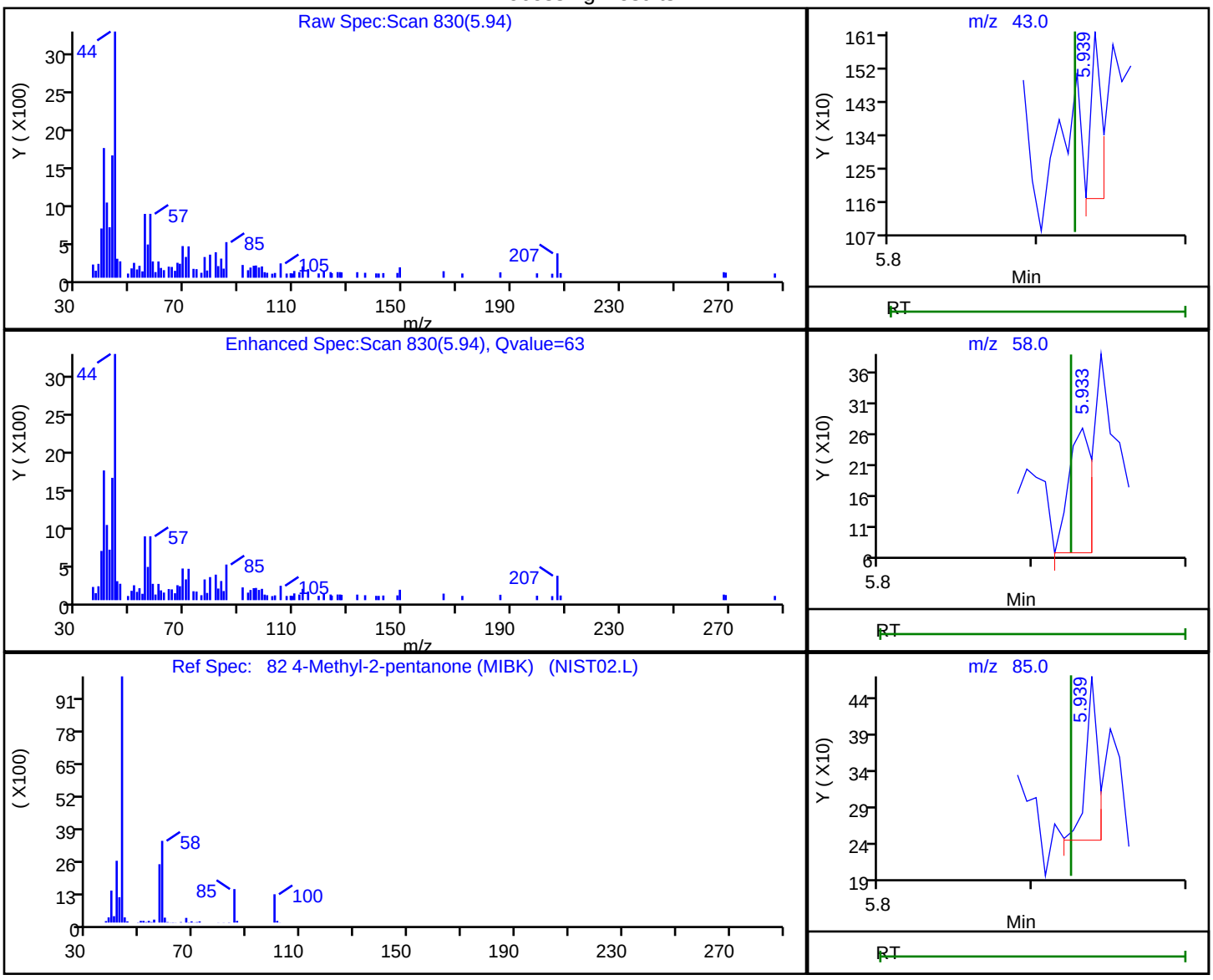
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

82 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.94	43.00	224	0.092181
5.93	58.00	213	
5.94	85.00	126	
5.93	100.00	86	

Reviewer: HVW2, 03-Apr-2024 23:04:54 -04:00:00 (UTC)
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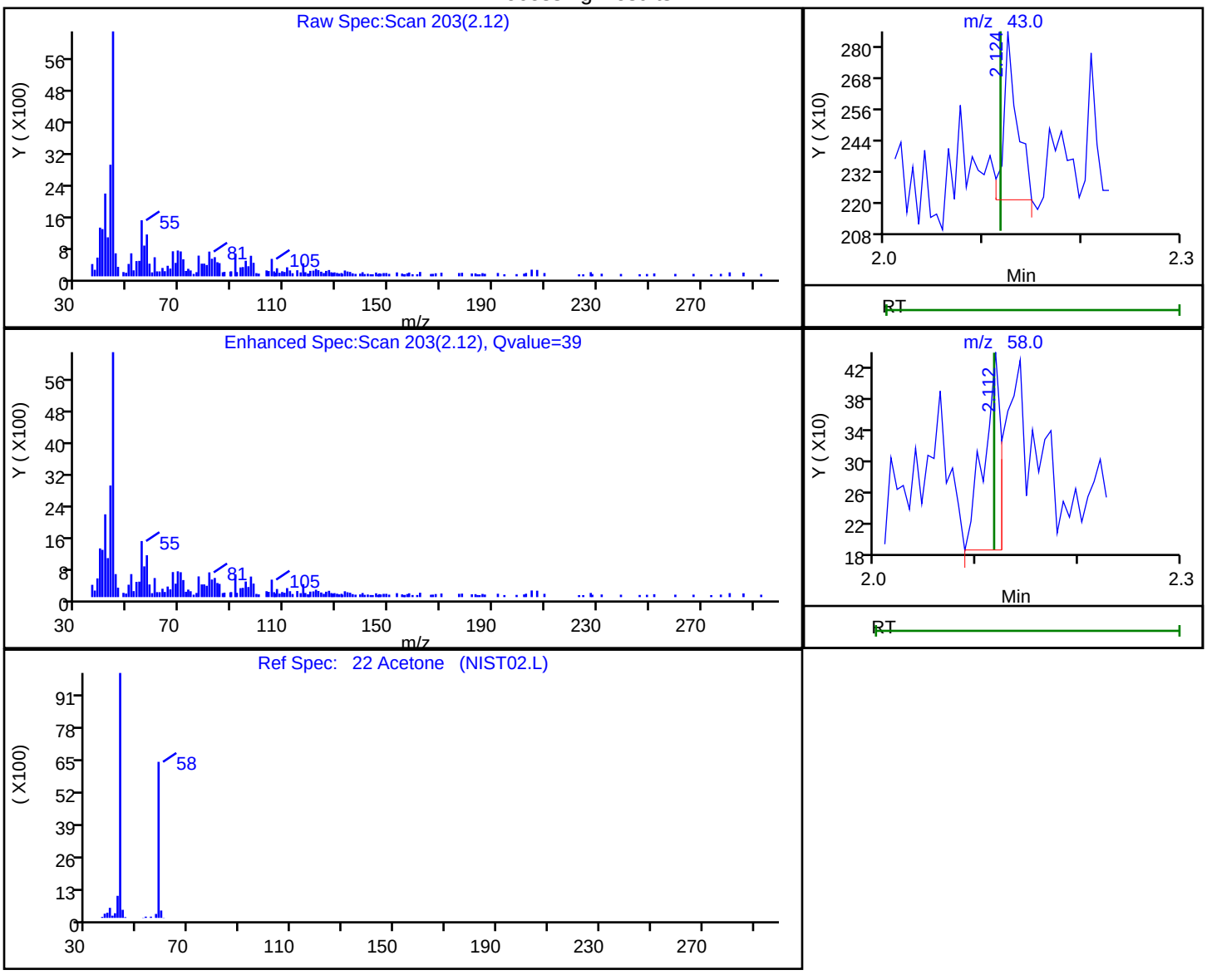
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.12	43.00	616	0.910626
2.11	58.00	289	

Reviewer: HVW2, 03-Apr-2024 23:03:46 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

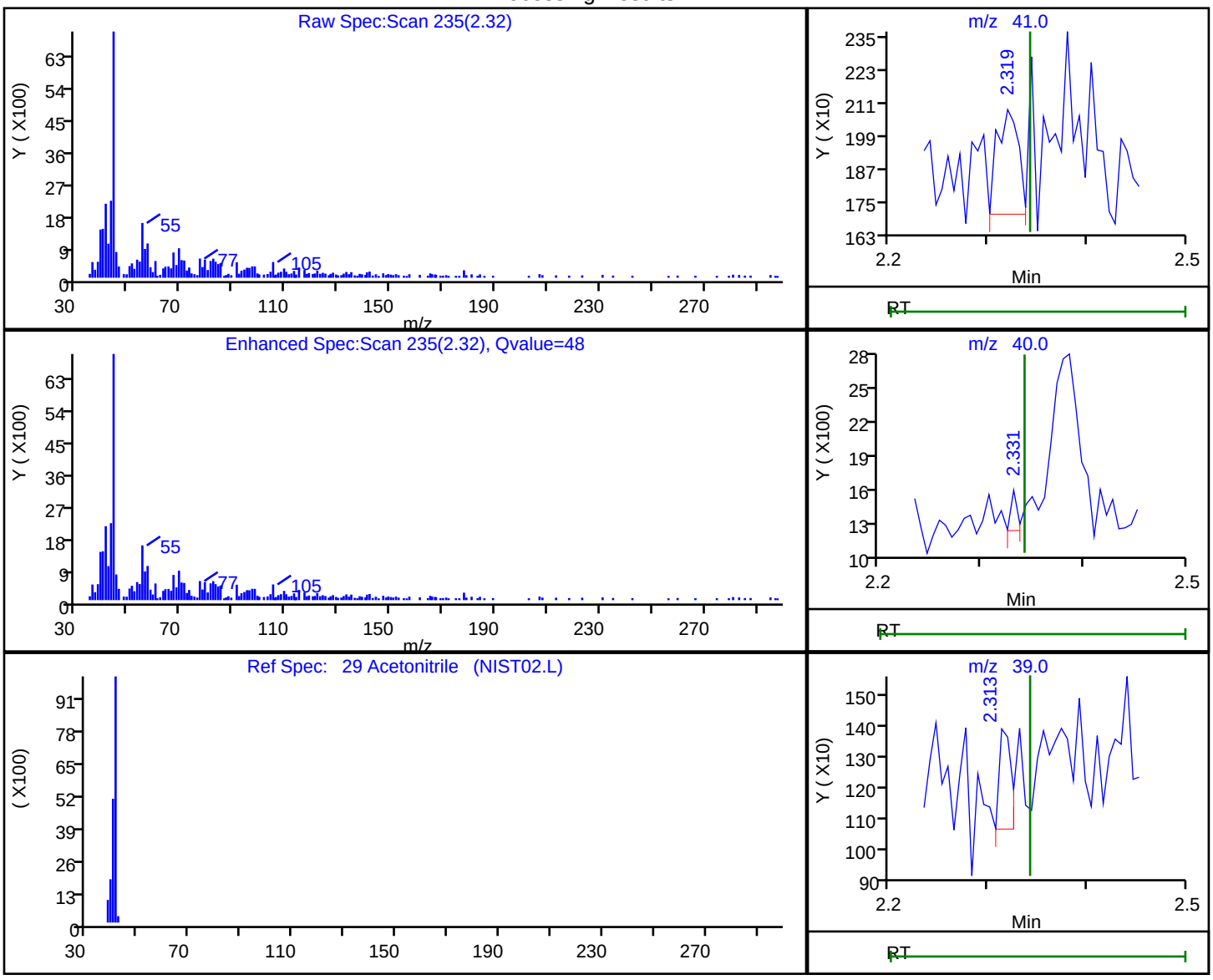
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.32	41.00	564	1.795347
2.33	40.00	143	
2.31	39.00	273	
2.32	38.00	145	

Reviewer: HVW2, 03-Apr-2024 23:03:57 -04:00:00 (UTC)
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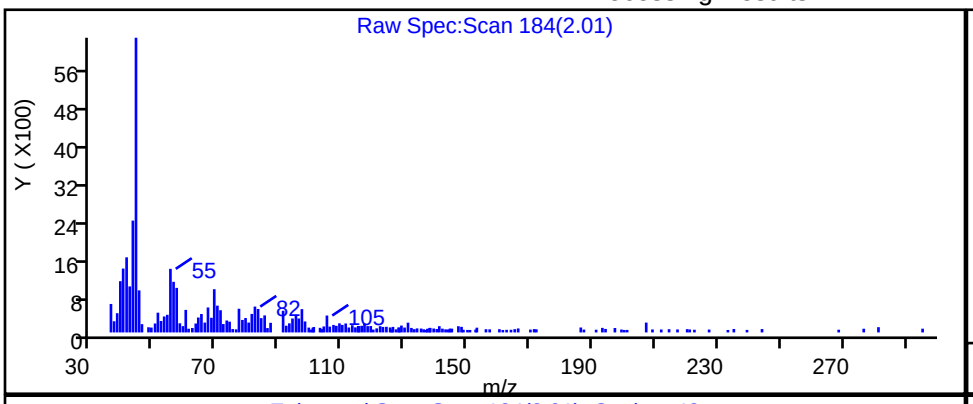
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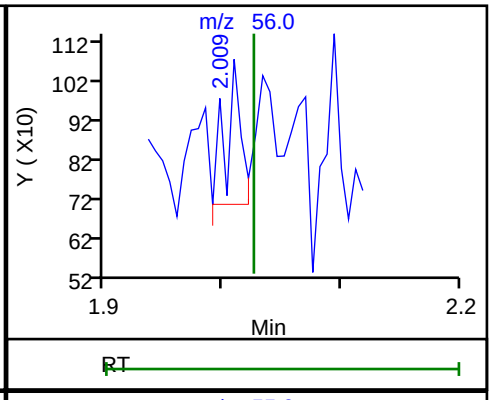
Eurofins Edison

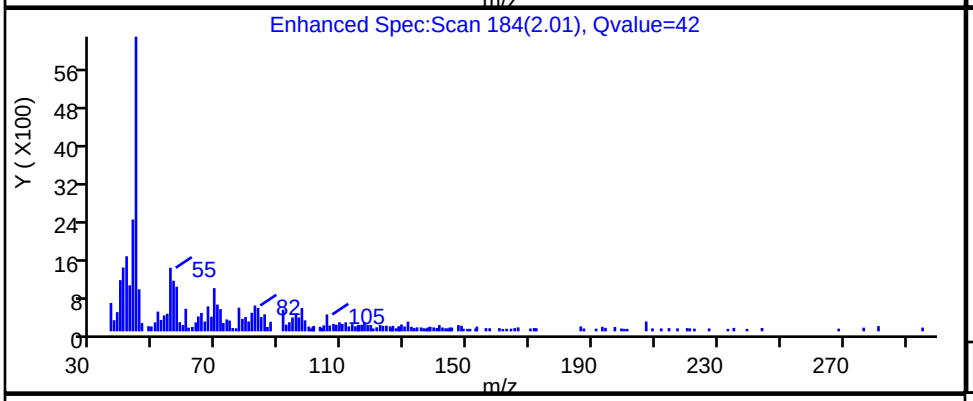
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

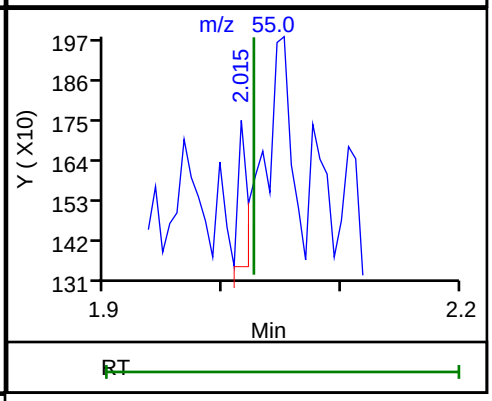
19 Acrolein, CAS: 107-02-8

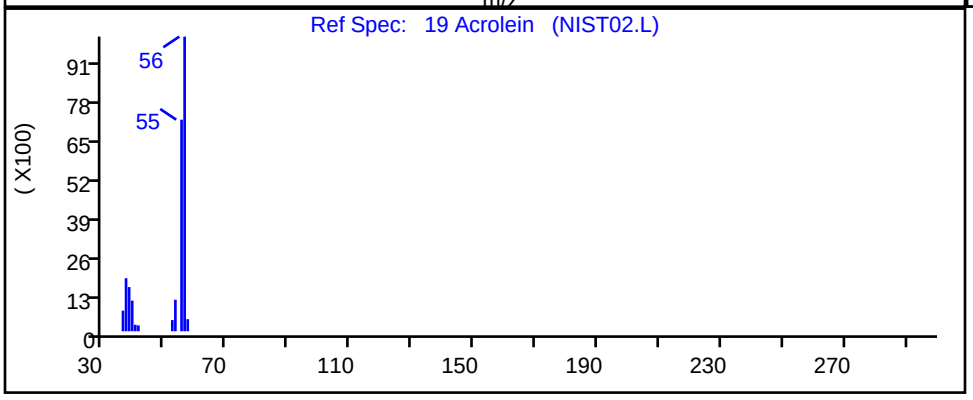
Processing Results











RT	Mass	Response	Amount
2.01	56.00	332	0.868913
2.01	55.00	208	

Reviewer: HVW2, 03-Apr-2024 23:03:44 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

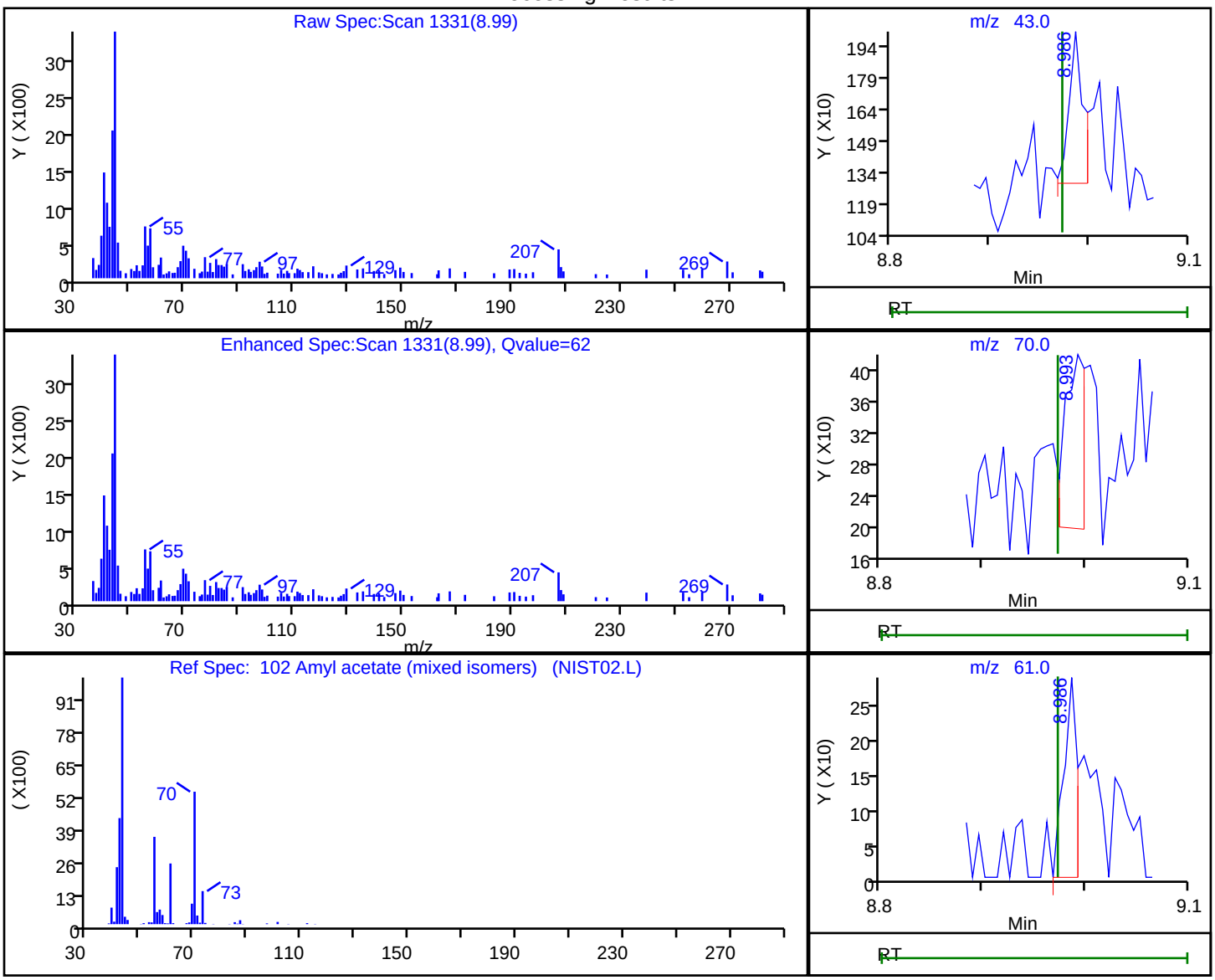
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

102 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results



RT	Mass	Response	Amount
8.99	43.00	744	0.145499
8.99	70.00	310	
8.99	61.00	255	

Reviewer: HVW2, 03-Apr-2024 23:05:17 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

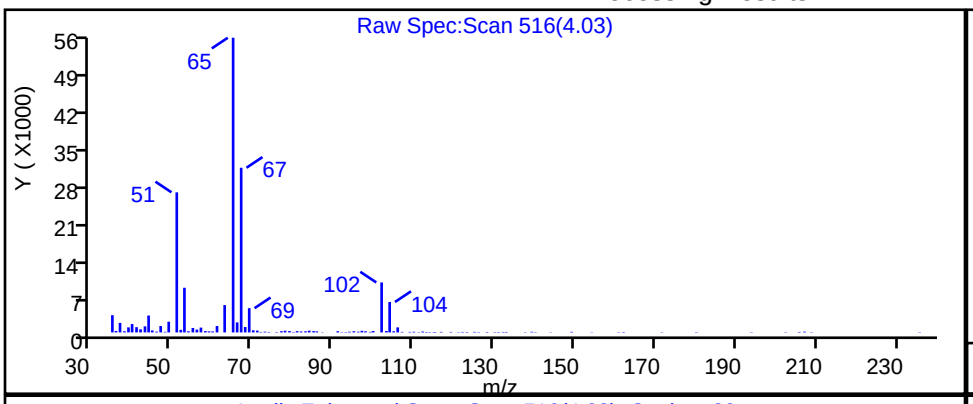
User Disabled Compound Report

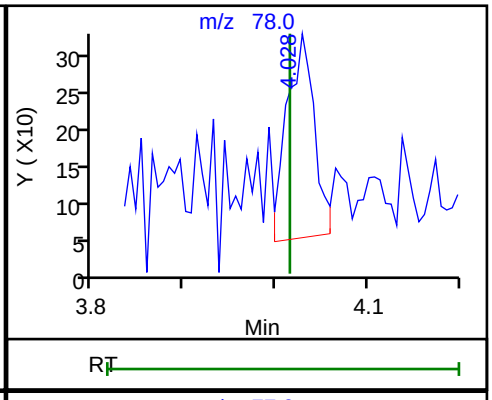
Eurofins Edison

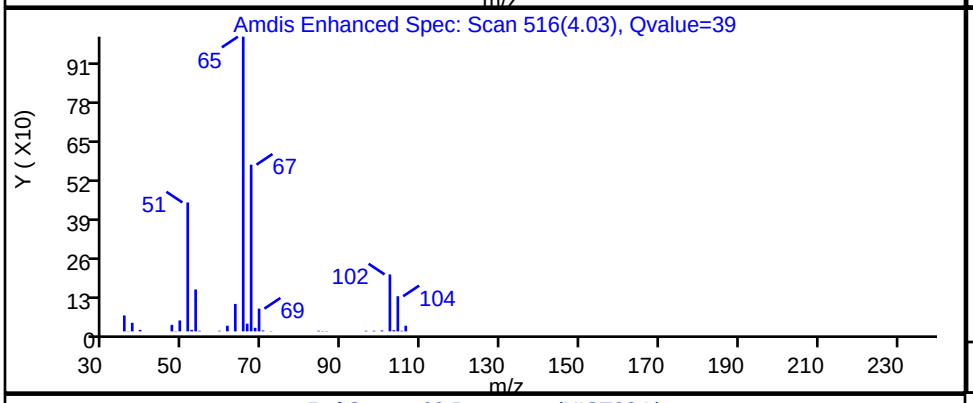
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

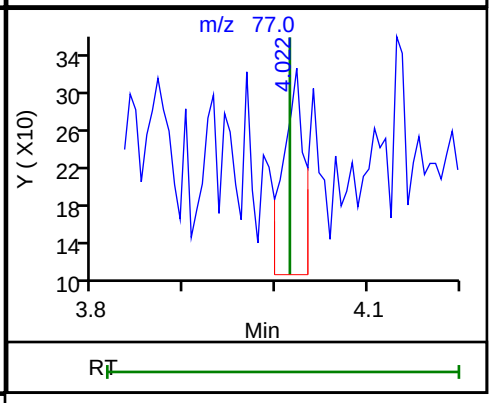
60 Benzene, CAS: 71-43-2

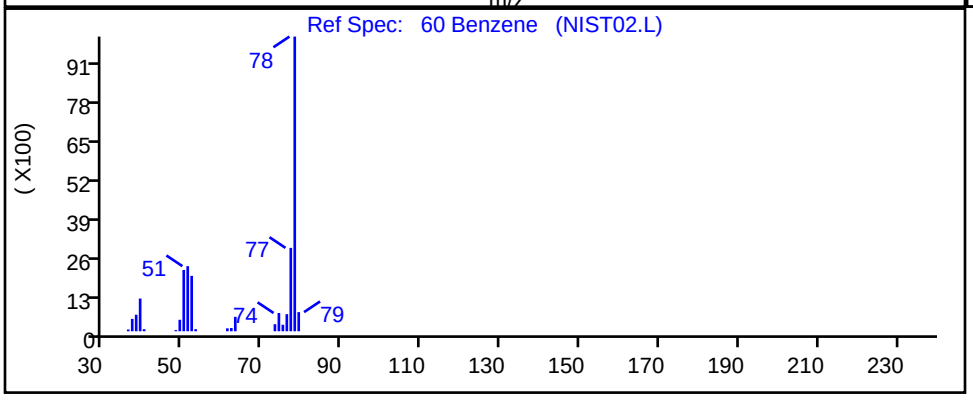
Processing Results











RT	Mass	Response	Amount
4.03	78.00	582	0.046590
4.02	77.00	352	

Reviewer: HVW2, 03-Apr-2024 23:04:32 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

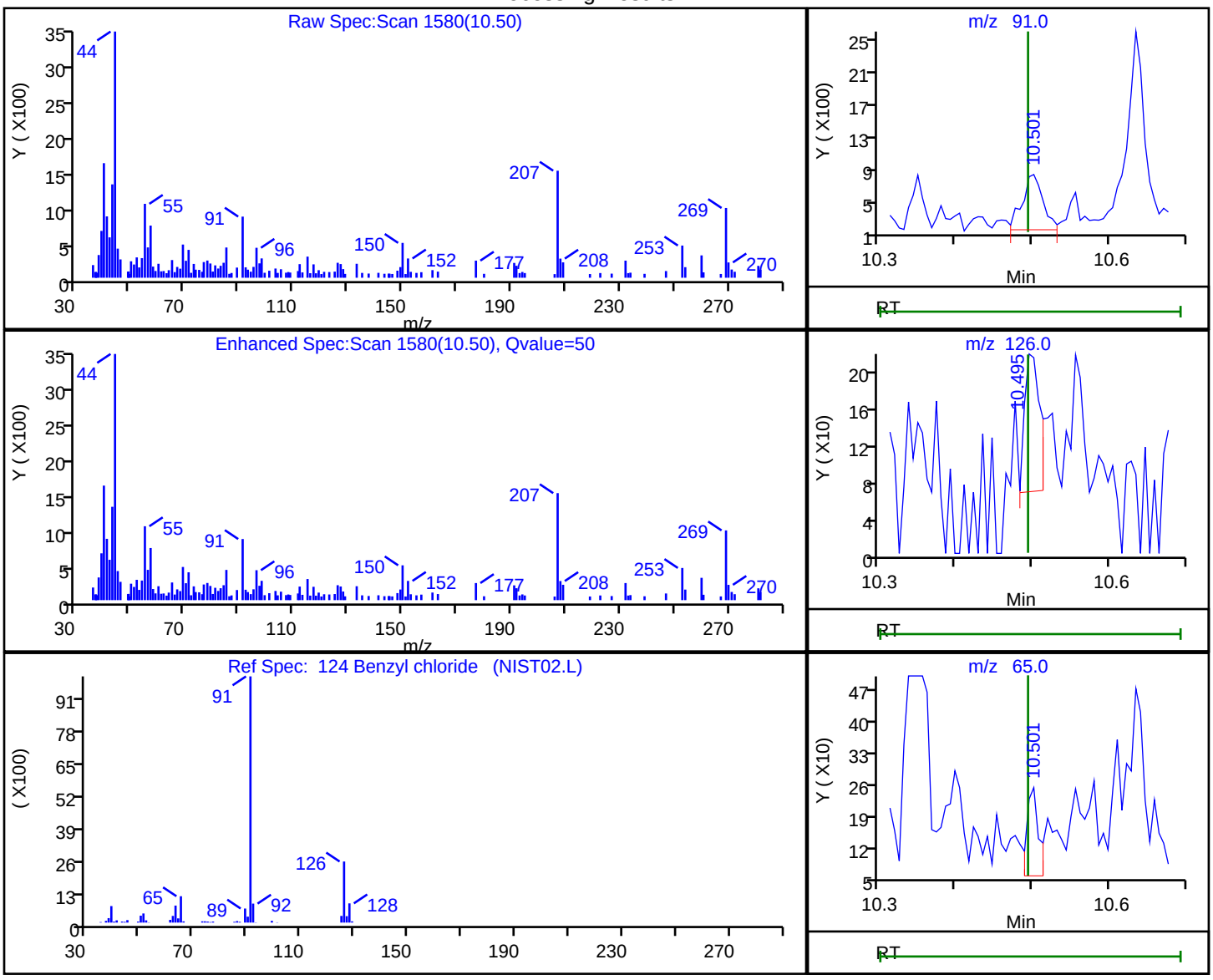
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

124 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
10.50	91.00	1296	0.209087
10.50	126.00	205	
10.50	65.00	209	

Reviewer: HVW2, 03-Apr-2024 23:05:44 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

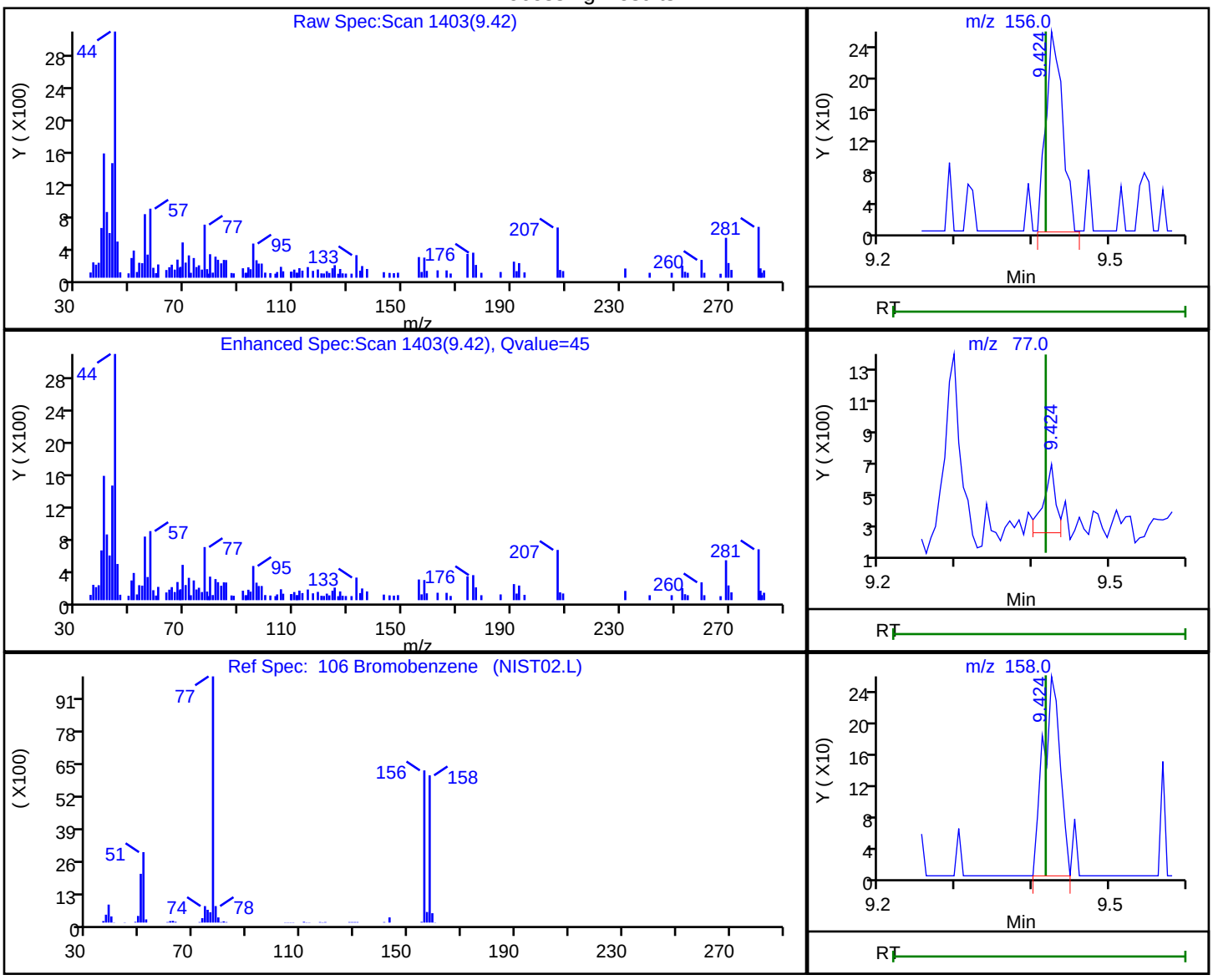
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

106 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
9.42	156.00	392	0.119052
9.42	77.00	455	
9.42	158.00	389	

Reviewer: HVW2, 03-Apr-2024 23:05:19 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

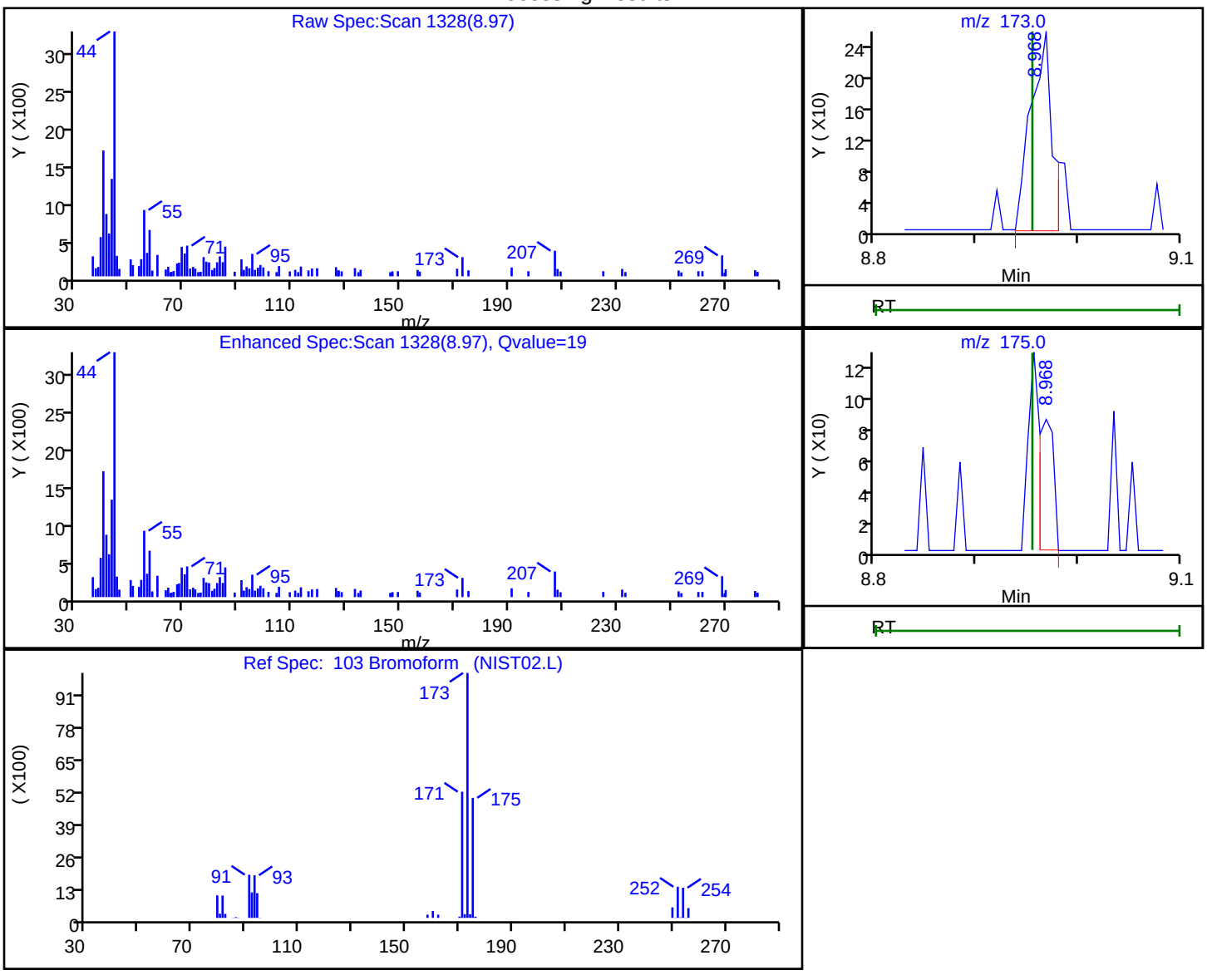
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
8.97	173.00	371	0.166020
8.97	175.00	81	

Reviewer: HVW2, 03-Apr-2024 23:05:15 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

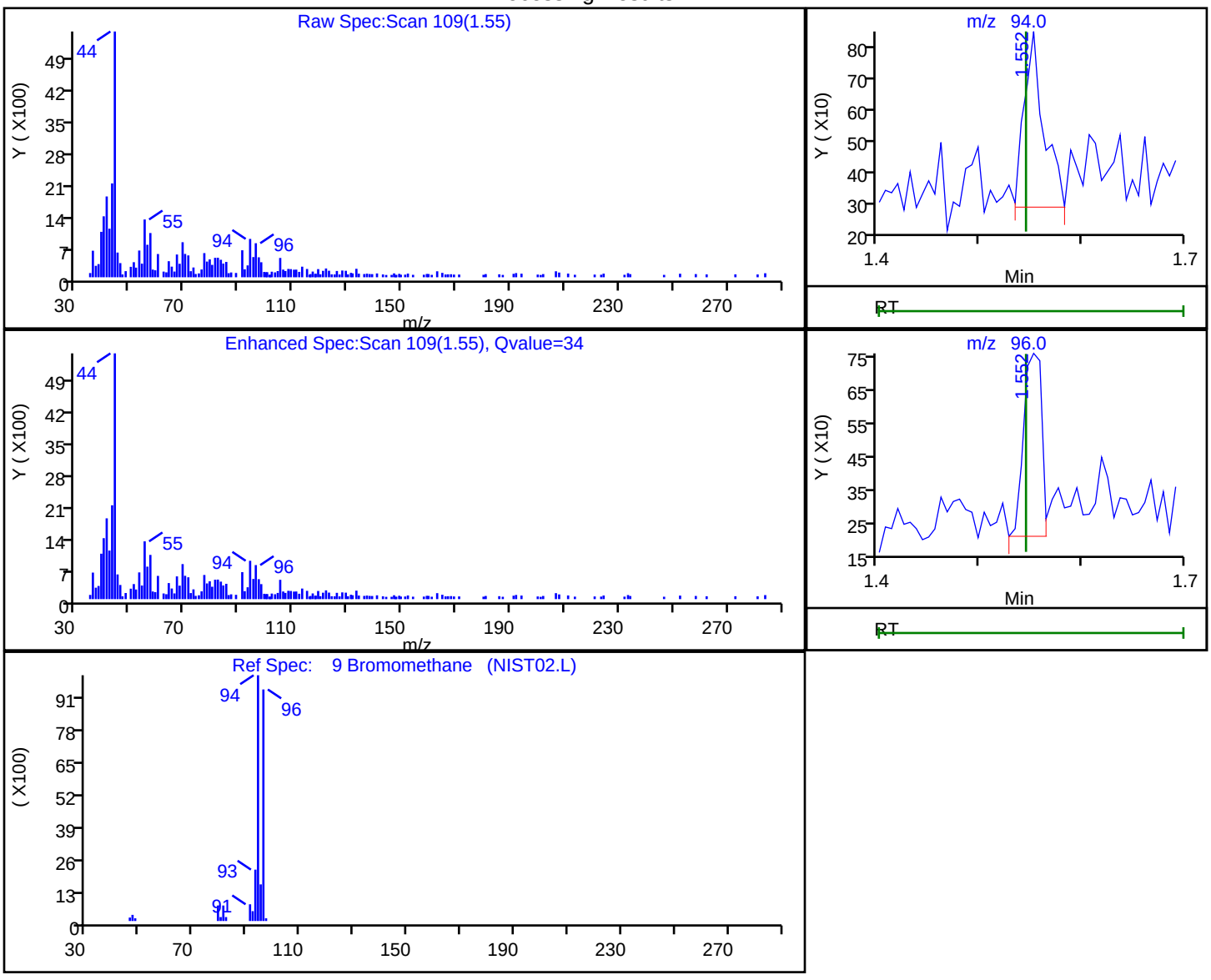
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.55	94.00	763	0.466416
1.55	96.00	680	

Reviewer: HVW2, 03-Apr-2024 23:03:32 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

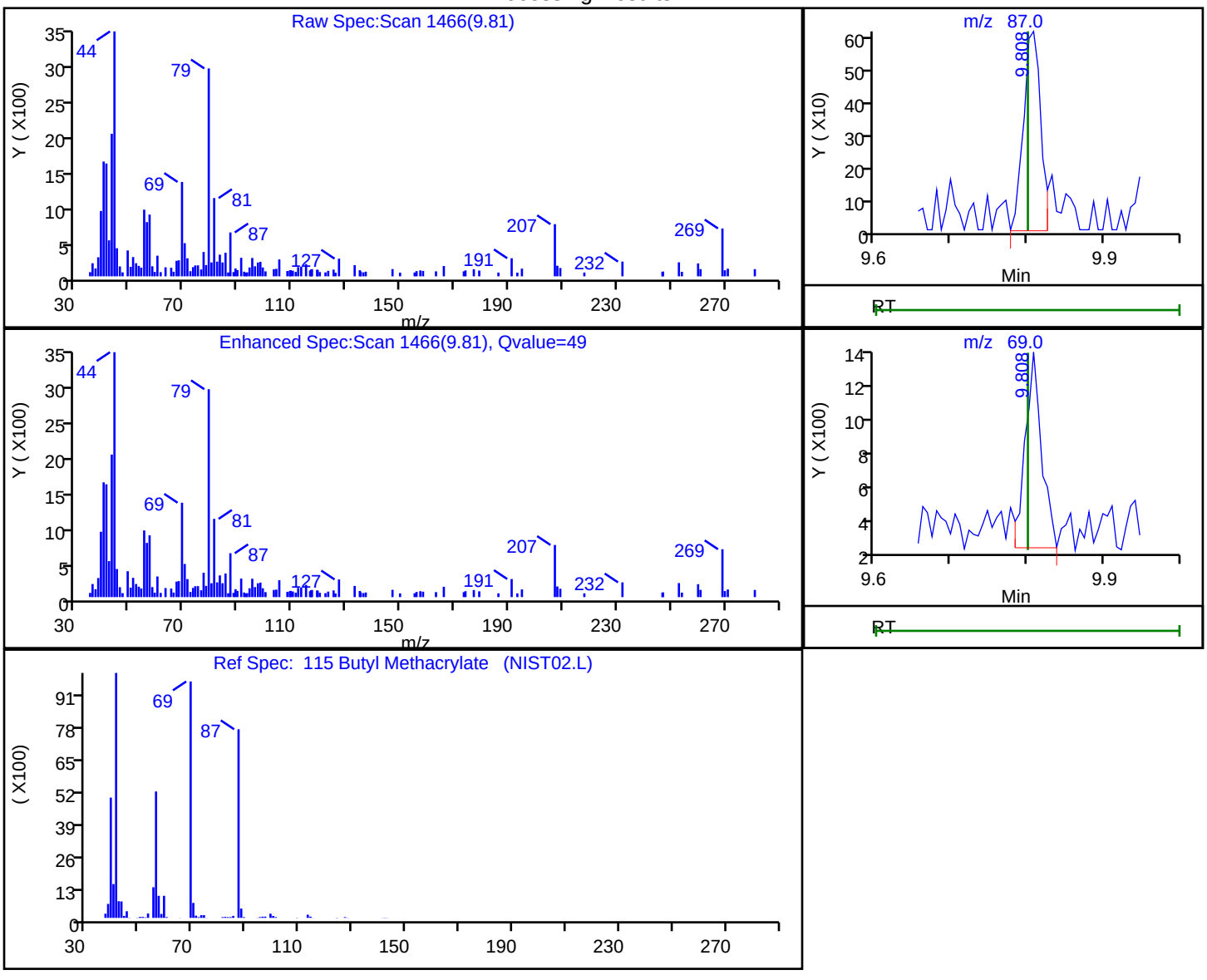
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

115 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
9.81	87.00	971	0.270190
9.81	69.00	1513	

Reviewer: HVW2, 03-Apr-2024 23:05:34 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

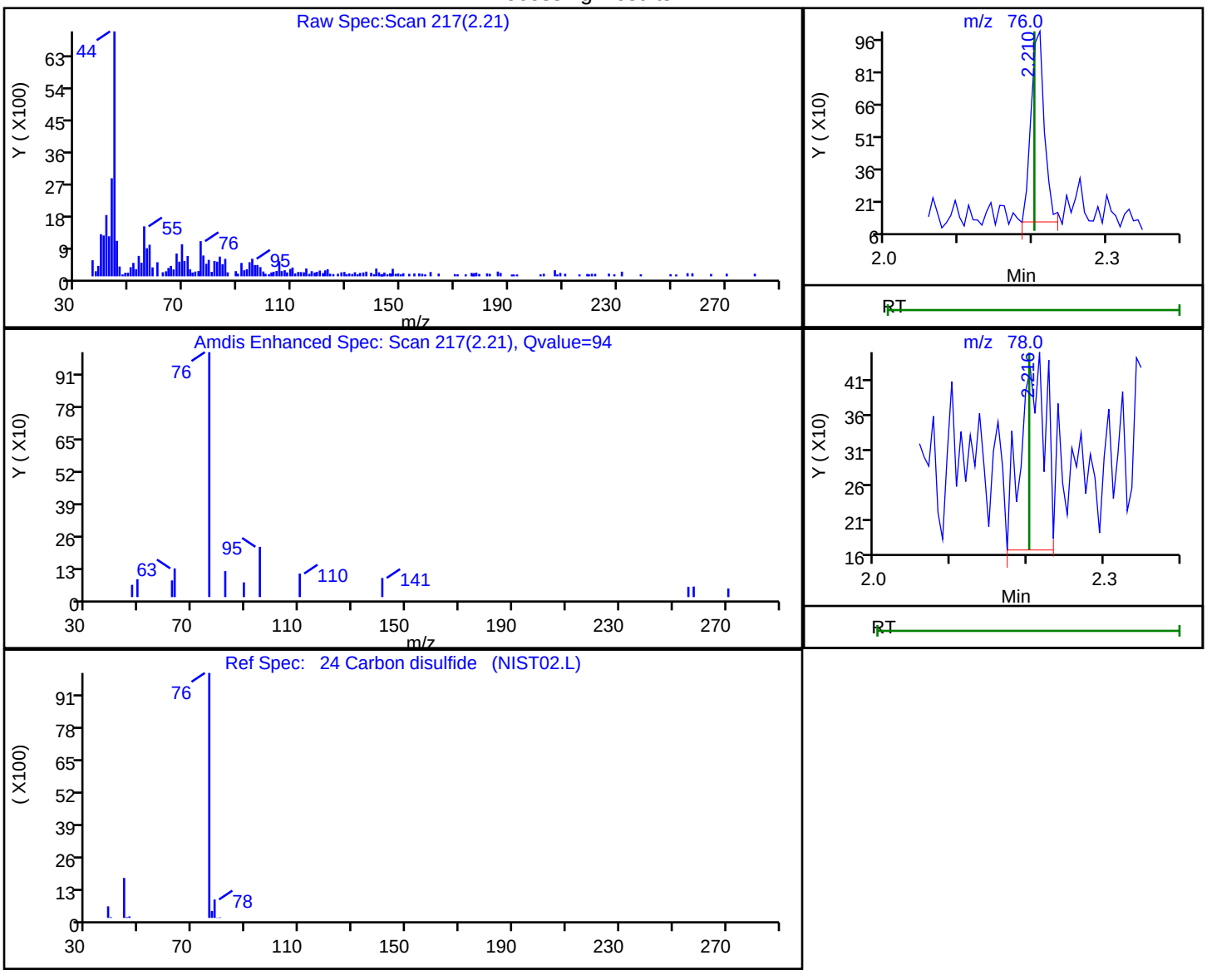
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.21	76.00	1142	0.128202
2.22	78.00	628	

Reviewer: HVW2, 03-Apr-2024 23:03:49 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

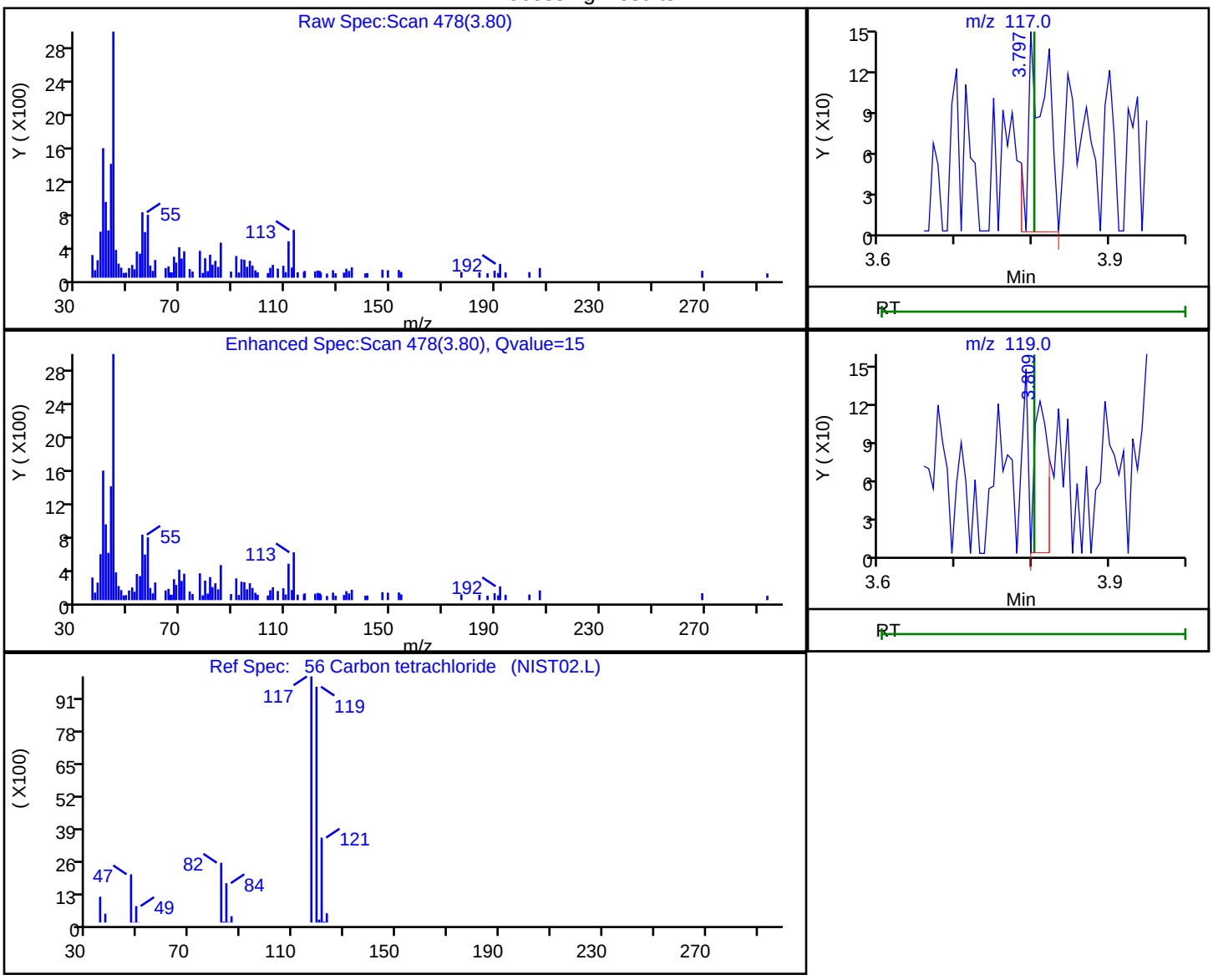
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

56 Carbon tetrachloride, CAS: 56-23-5

Processing Results



RT	Mass	Response	Amount
3.80	117.00	244	0.069663
3.81	119.00	148	

Reviewer: HVW2, 03-Apr-2024 23:04:26 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

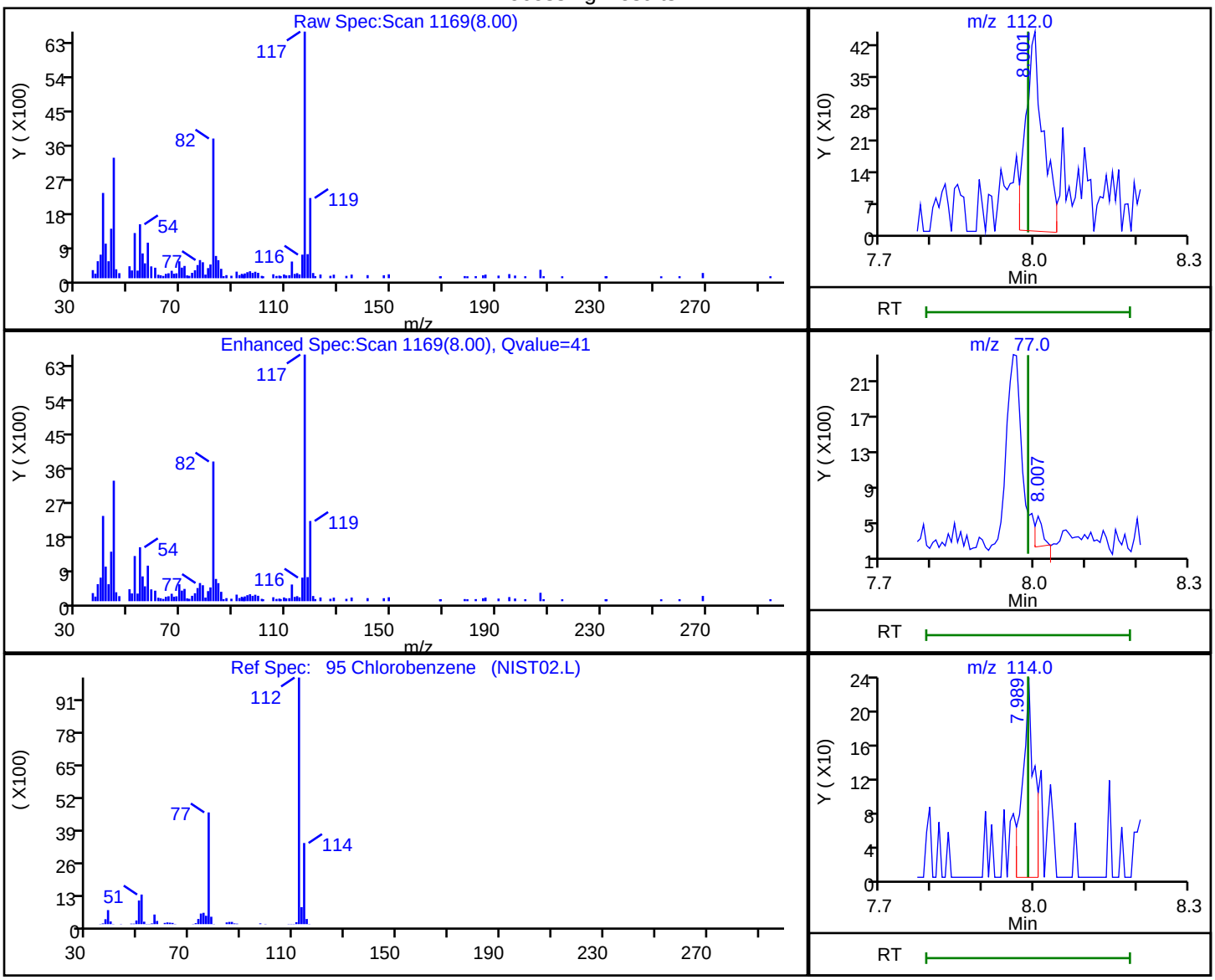
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

95 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
8.00	112.00	1038	0.140781
8.01	77.00	321	
7.99	114.00	366	

Reviewer: HVW2, 03-Apr-2024 23:05:06 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

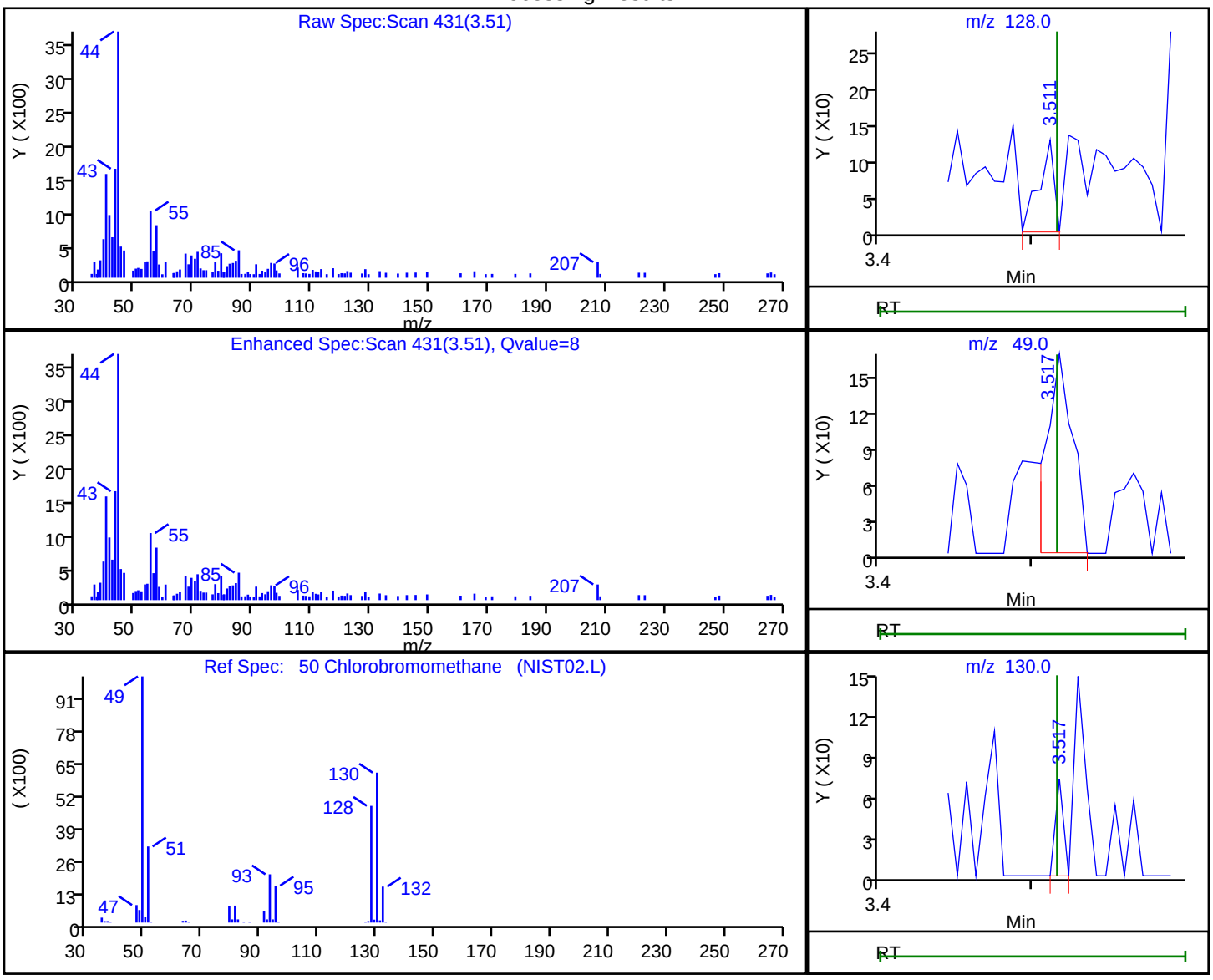
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

50 Chlorobromomethane, CAS: 74-97-5

Processing Results



RT	Mass	Response	Amount
3.51	128.00	87	0.059289
3.52	49.00	194	
3.52	130.00	25	

Reviewer: HVW2, 03-Apr-2024 23:04:19 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

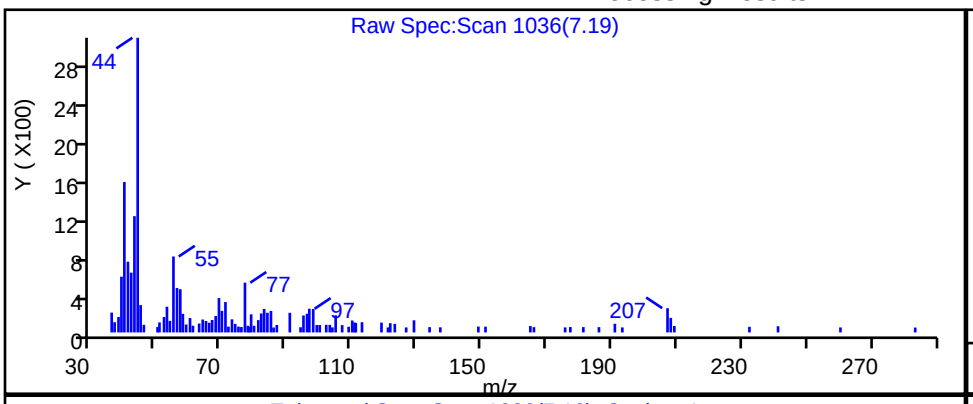
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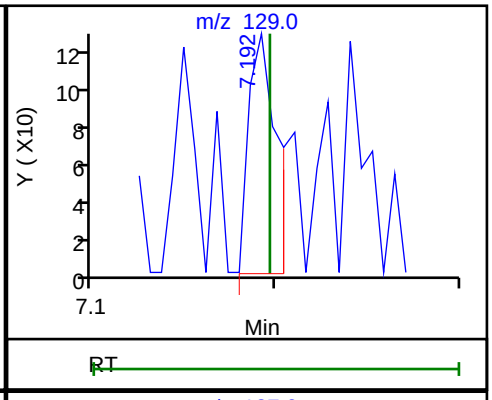
Eurofins Edison

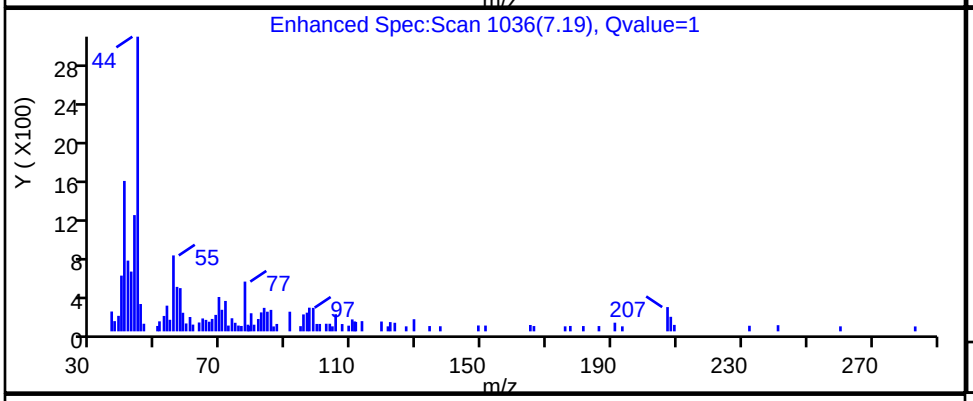
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

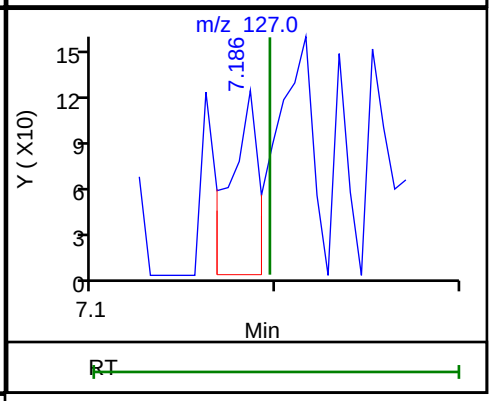
92 Chlorodibromomethane, CAS: 124-48-1

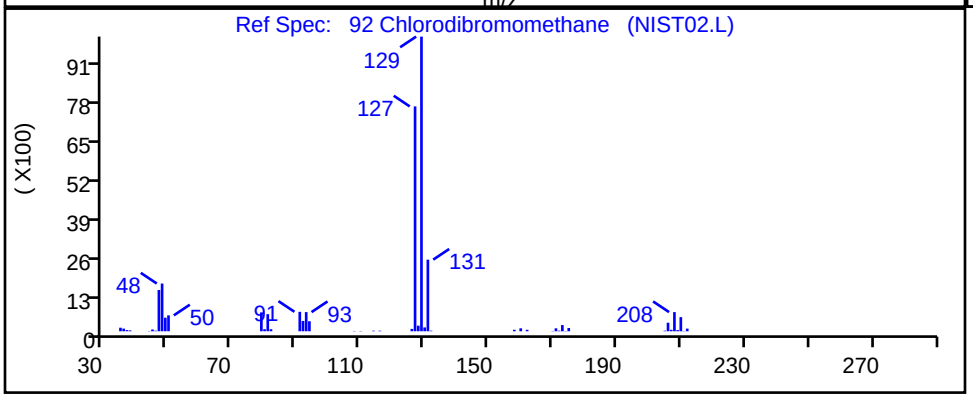
Processing Results











RT	Mass	Response	Amount
7.19	129.00	134	0.041116
7.19	127.00	131	

Reviewer: HVW2, 03-Apr-2024 23:05:04 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

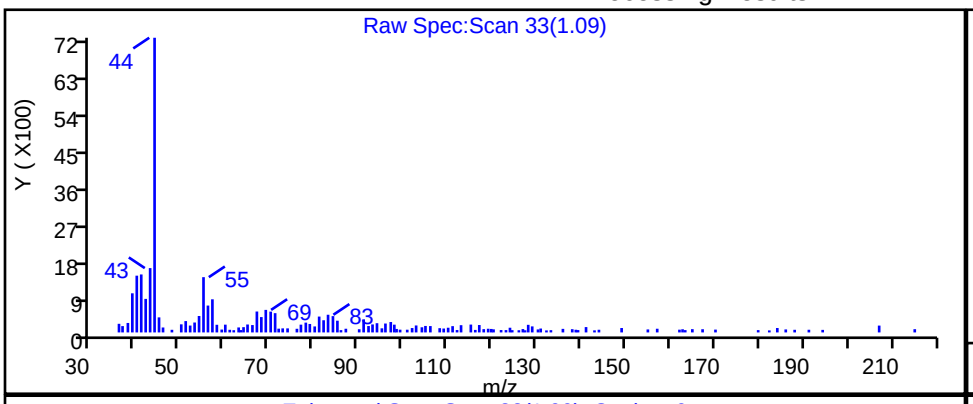
User Disabled Compound Report

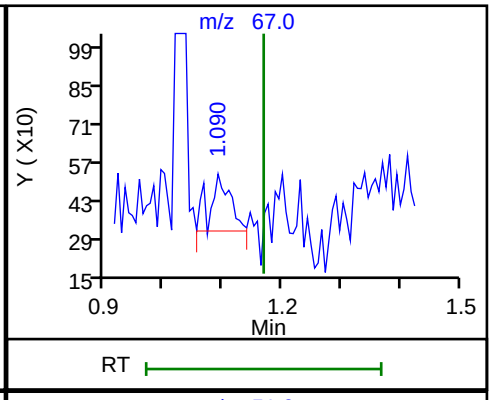
Eurofins Edison

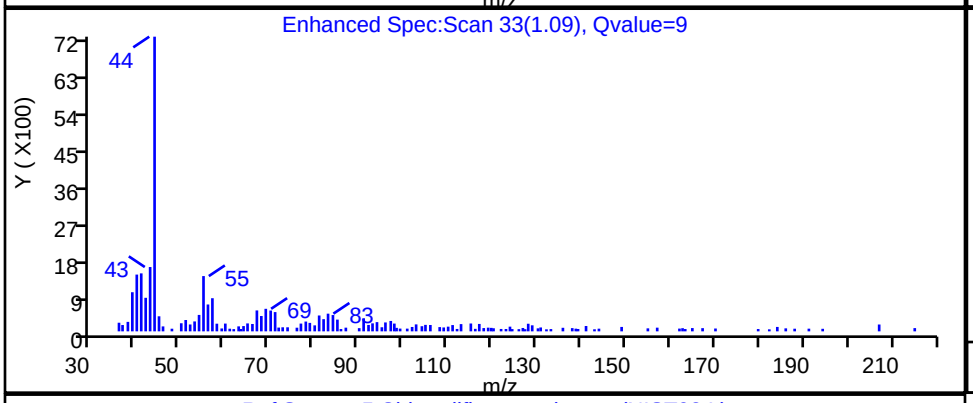
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

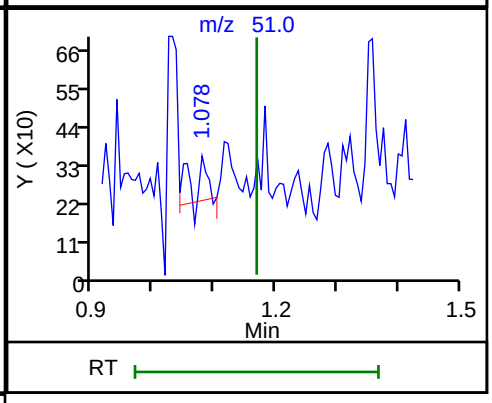
5 Chlorodifluoromethane, CAS: 75-45-6

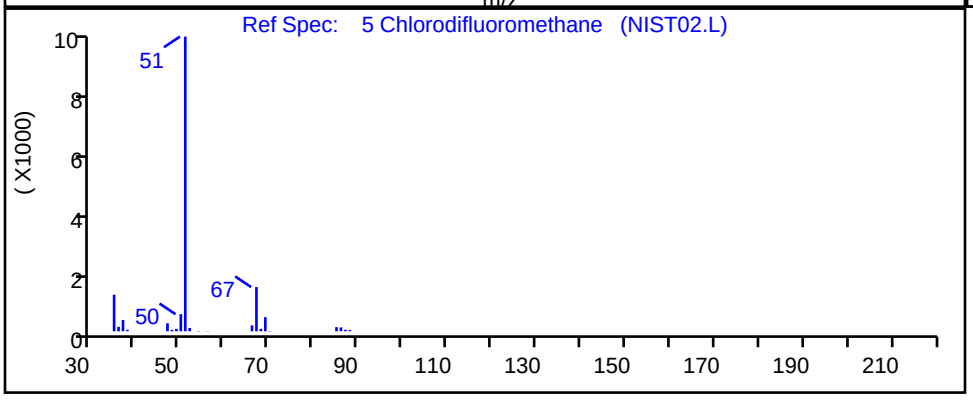
Processing Results











RT	Mass	Response	Amount
1.09	67.00	487	-0.204590
1.08	51.00	199	

Reviewer: HVW2, 03-Apr-2024 23:03:21 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

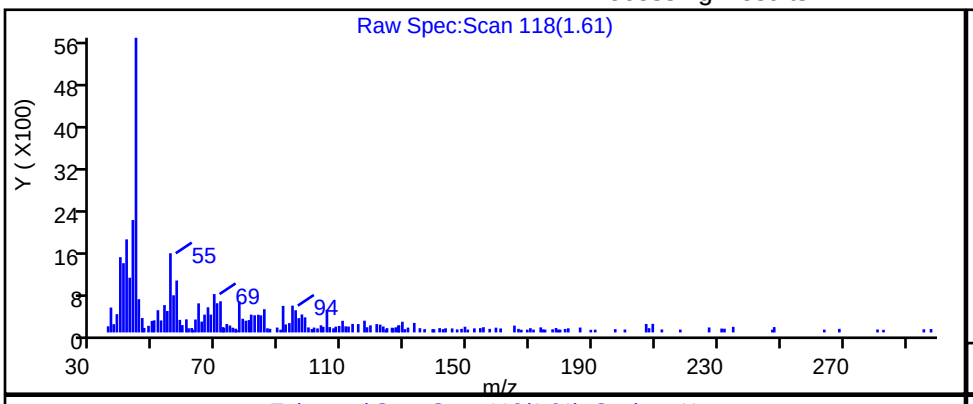
User Disabled Compound Report

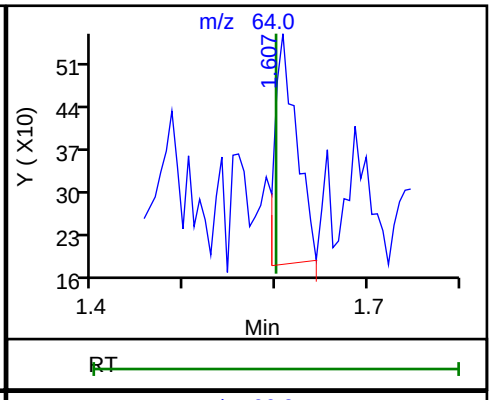
Eurofins Edison

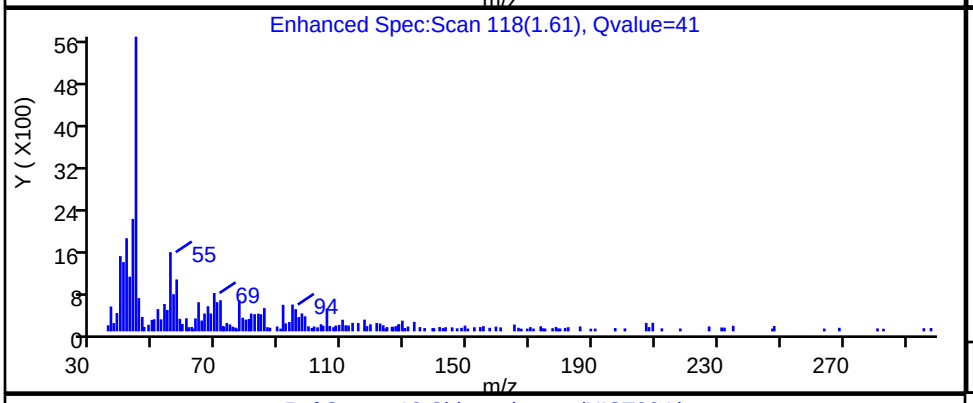
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

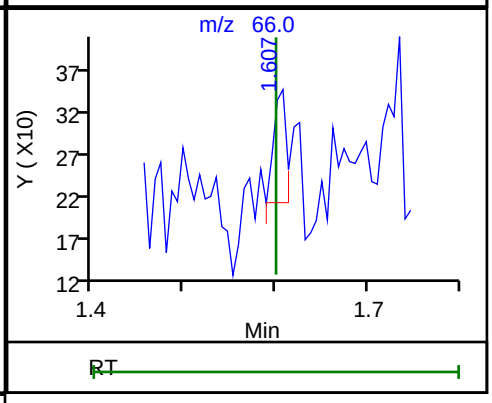
10 Chloroethane, CAS: 75-00-3

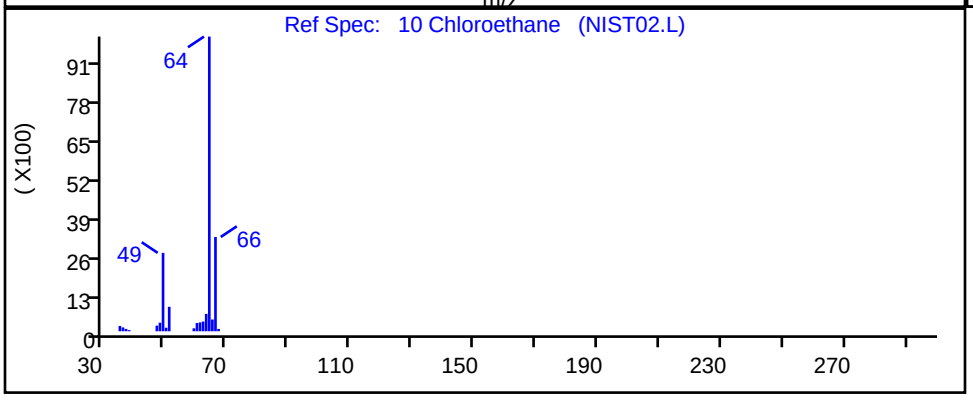
Processing Results











RT	Mass	Response	Amount
1.61	64.00	612	0.496435
1.61	66.00	125	

Reviewer: HVW2, 03-Apr-2024 23:03:34 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

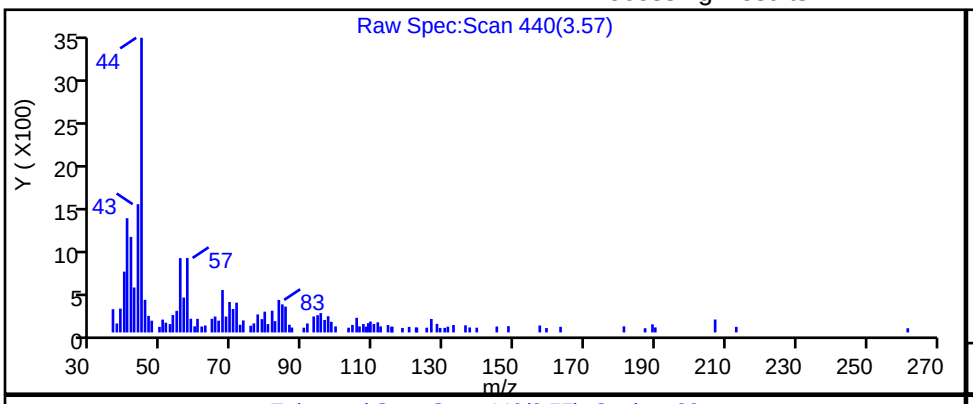
User Disabled Compound Report

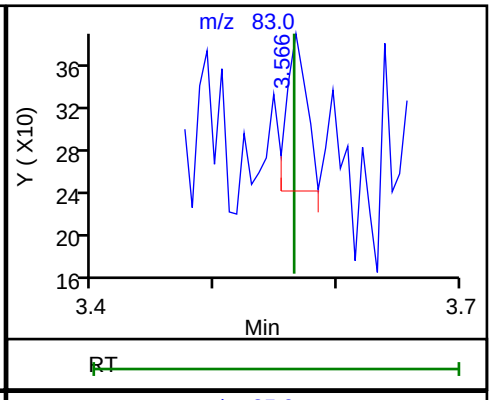
Eurofins Edison

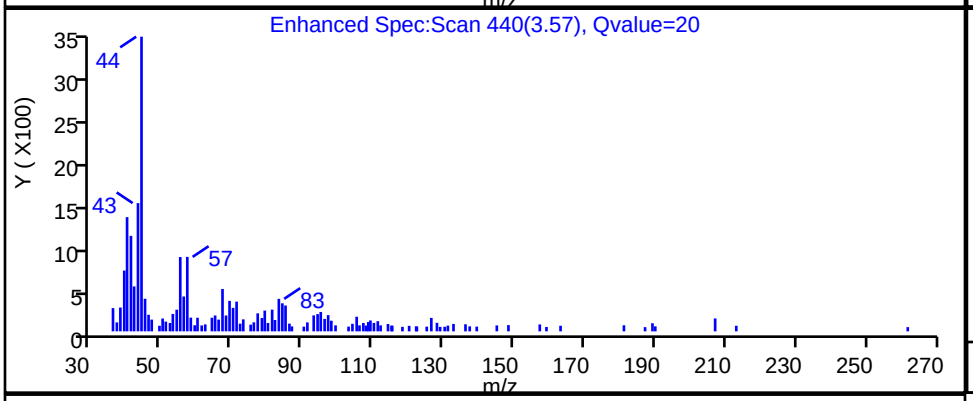
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

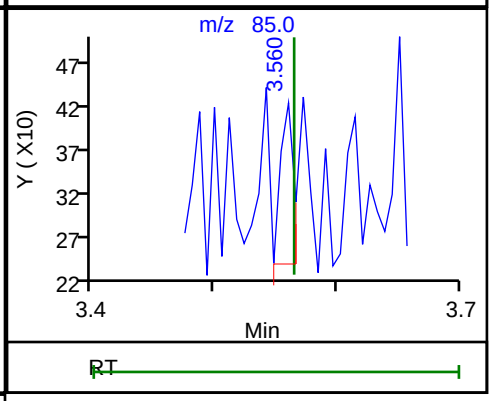
52 Chloroform, CAS: 67-66-3

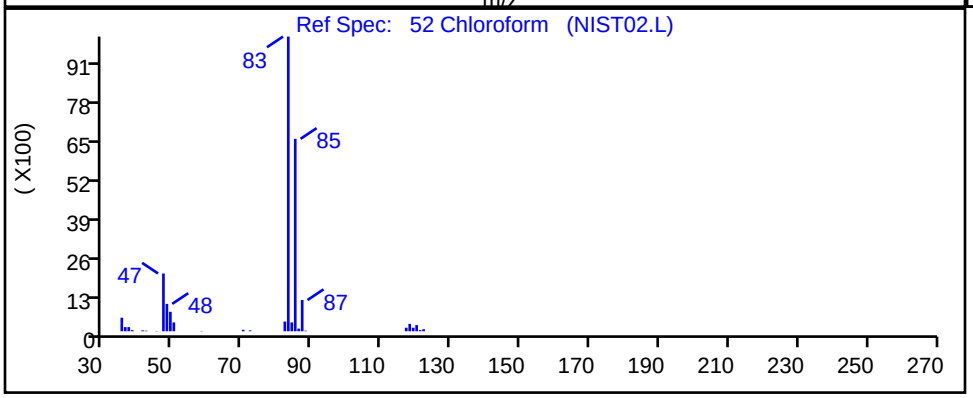
Processing Results











RT	Mass	Response	Amount
3.57	83.00	164	0.031734
3.56	85.00	141	

Reviewer: HVW2, 03-Apr-2024 23:04:23 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

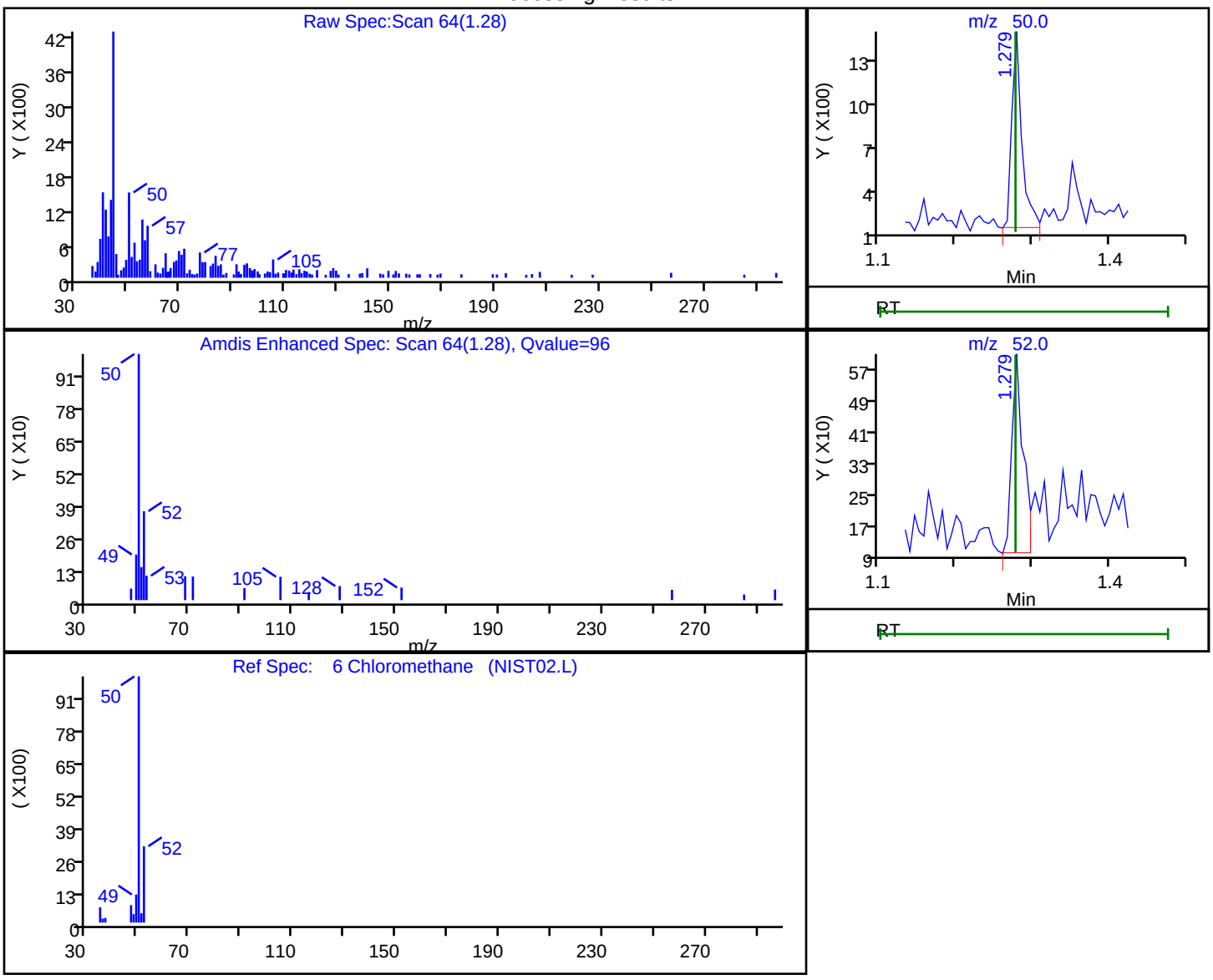
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.28	50.00	1216	0.352531
1.28	52.00	529	

Reviewer: HVW2, 03-Apr-2024 23:03:22 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

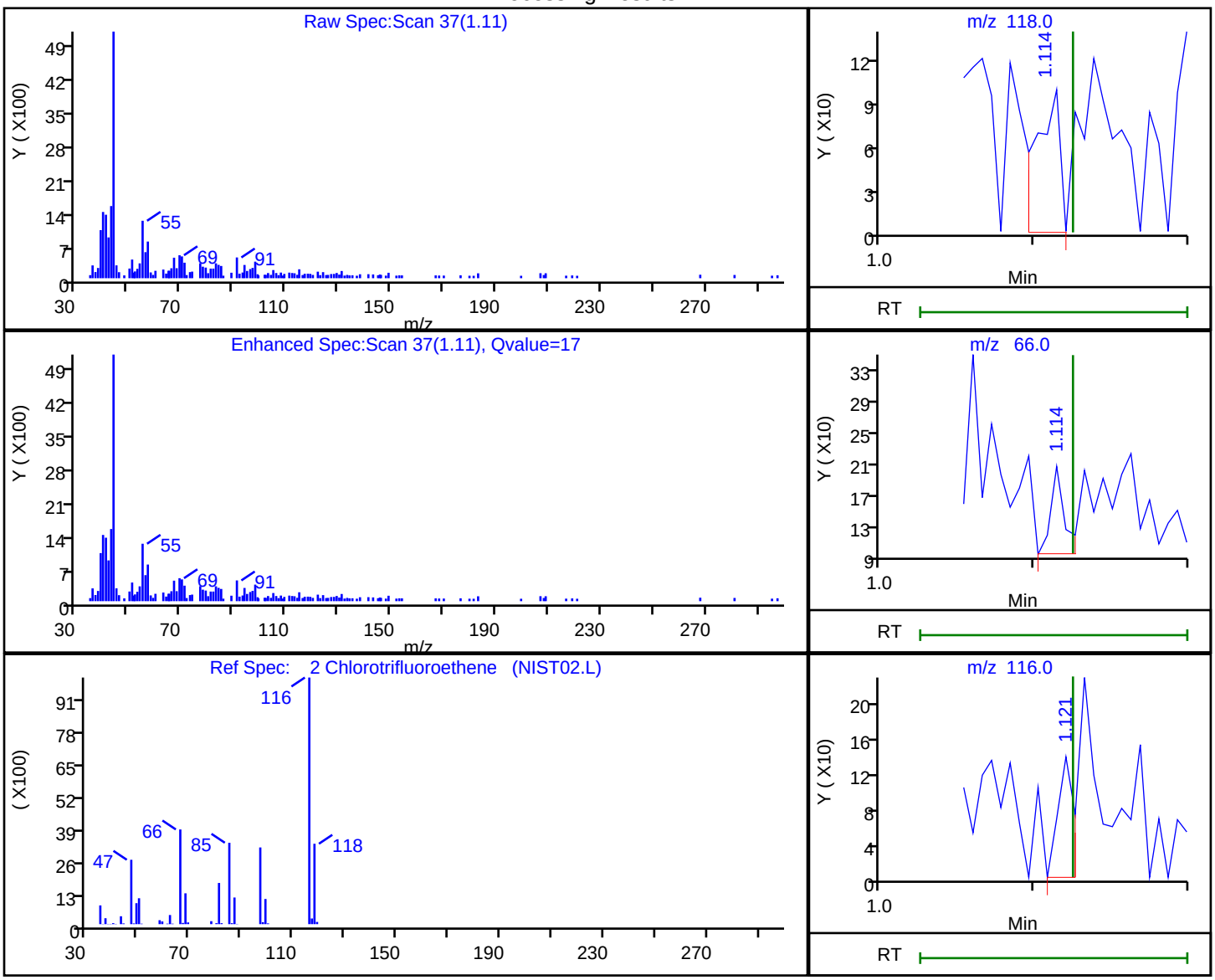
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
1.11	118.00	102	1.063376
1.11	66.00	69	
1.12	116.00	101	

Reviewer: HVW2, 03-Apr-2024 23:03:19 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

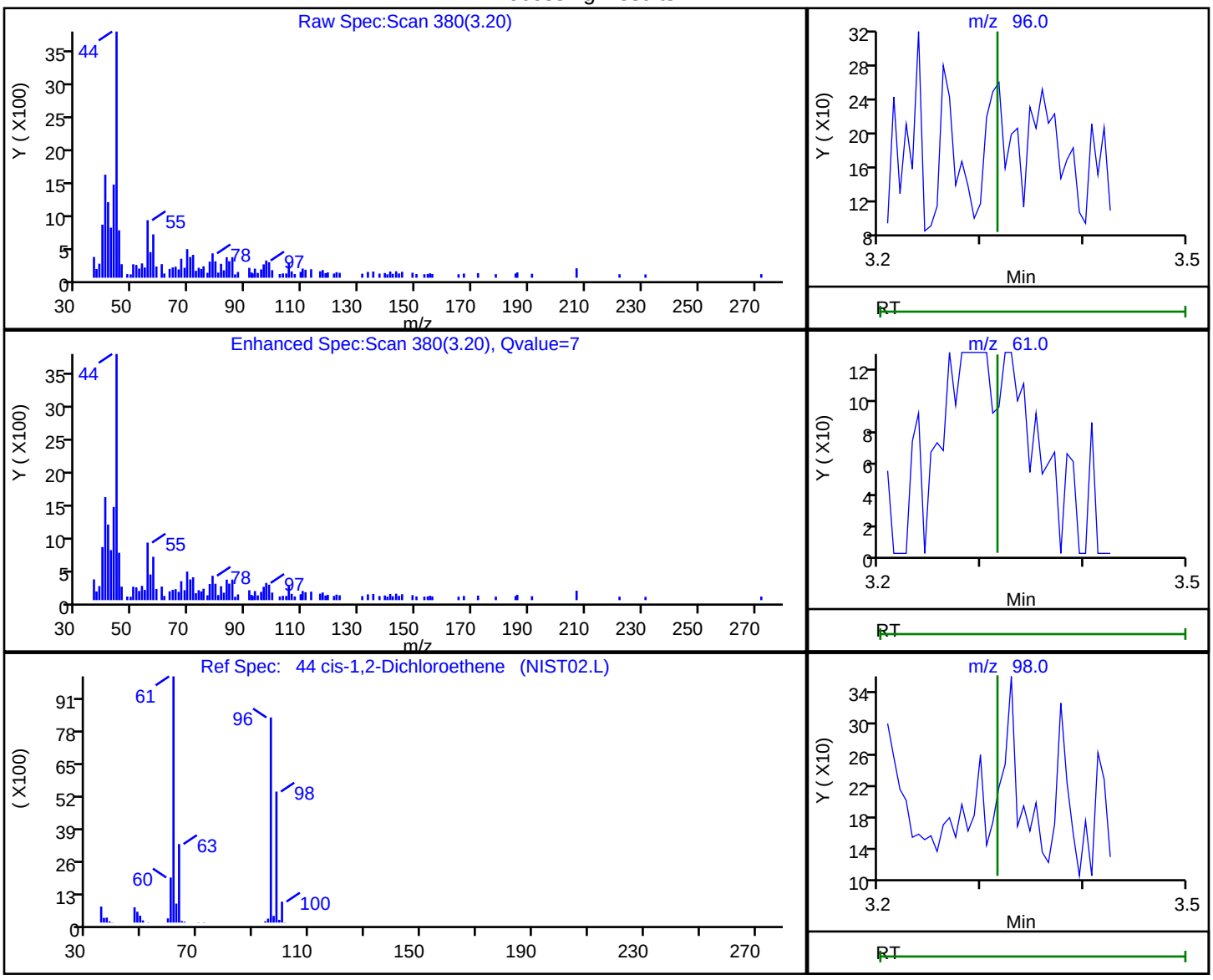
User Disabled Compound Report

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
3.20	96.00	179	0.056391
3.20	61.00	43	
3.21	98.00	187	

Reviewer: HVW2, 03-Apr-2024 23:04:14 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

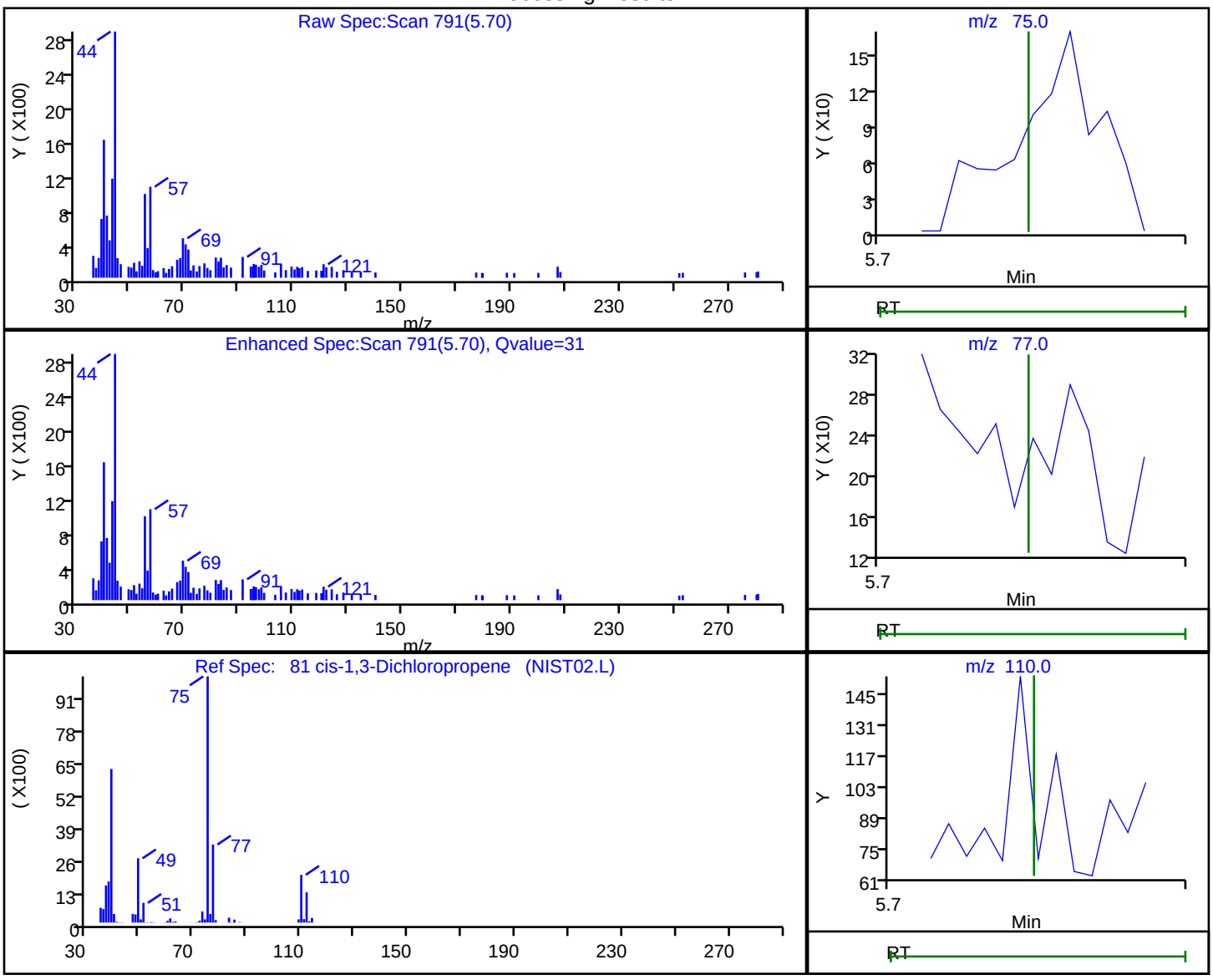
User Disabled Compound Report

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
5.70	75.00	50	0.009398
5.70	77.00	42	
5.71	110.00	72	

Reviewer: HVW2, 03-Apr-2024 23:04:53 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

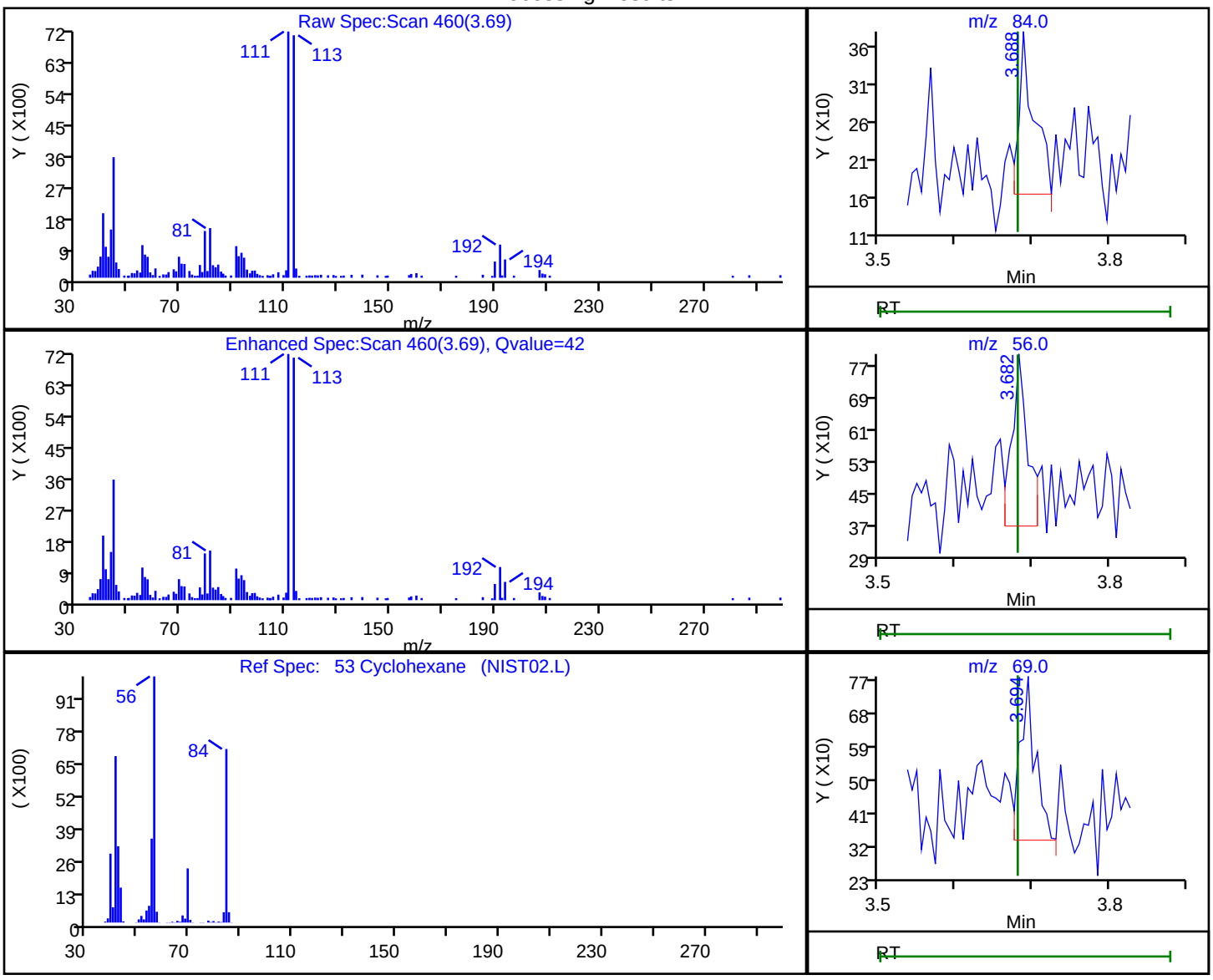
User Disabled Compound Report

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

53 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
3.69	84.00	297	0.083514
3.68	56.00	624	
3.69	69.00	610	

Reviewer: HVW2, 03-Apr-2024 23:04:24 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

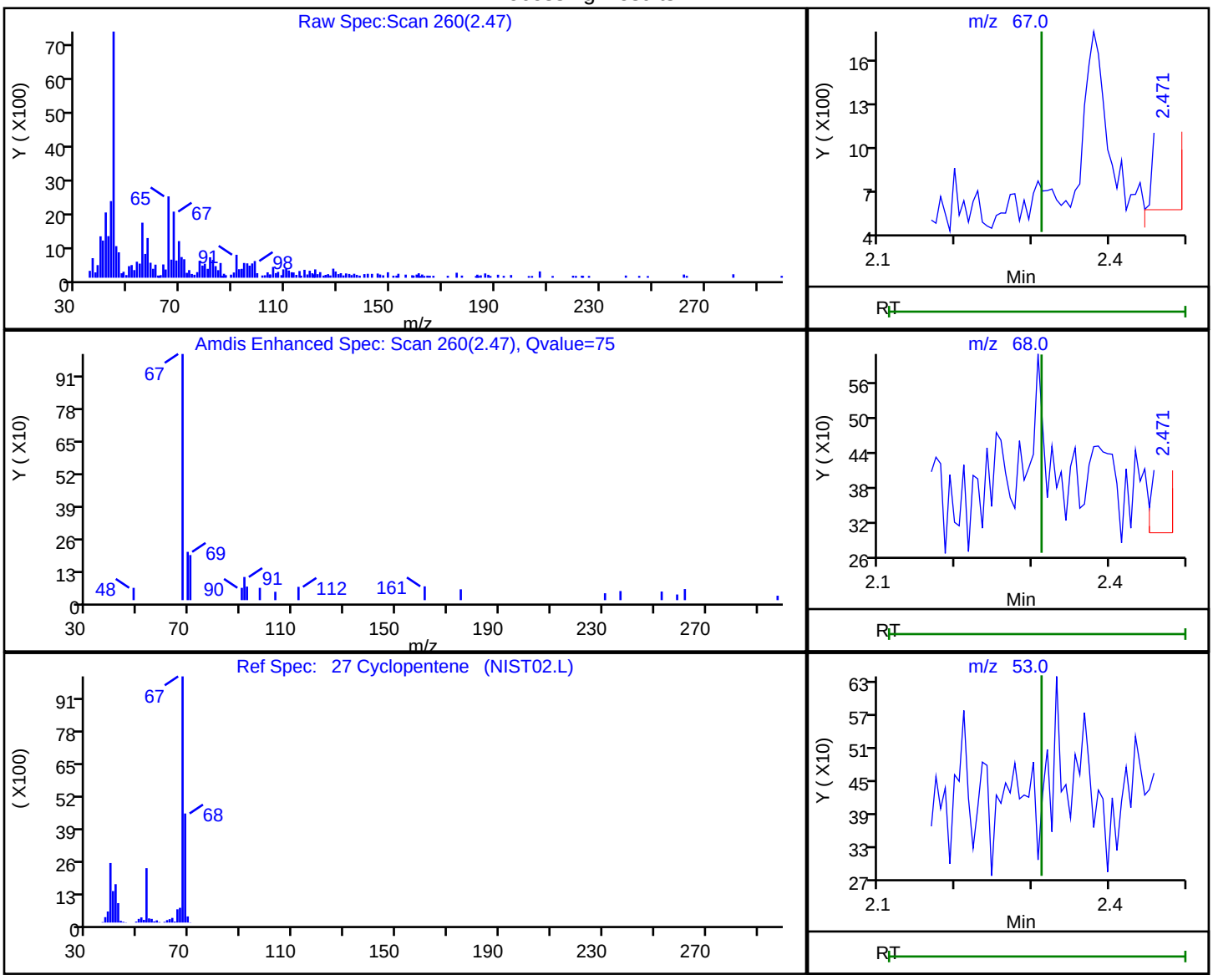
User Disabled Compound Report

Eurofins Edison

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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

27 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
2.47	67.00	1662	0.319812
2.47	68.00	213	
2.48	53.00	113	

Reviewer: HVW2, 03-Apr-2024 23:03:53 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

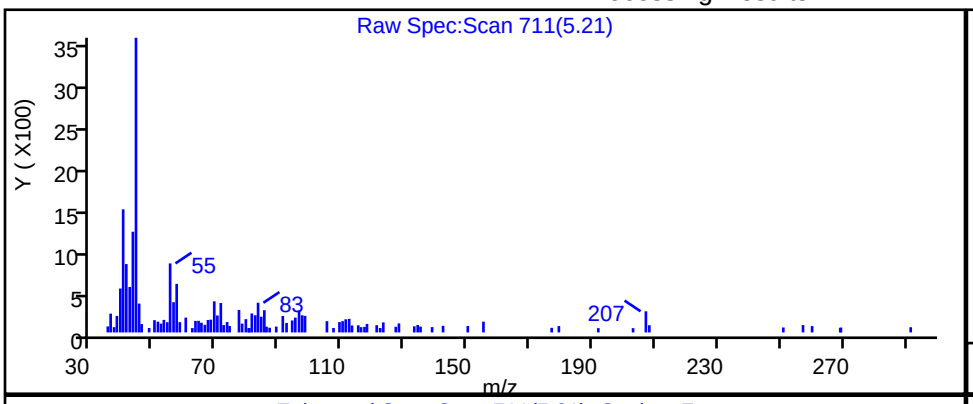
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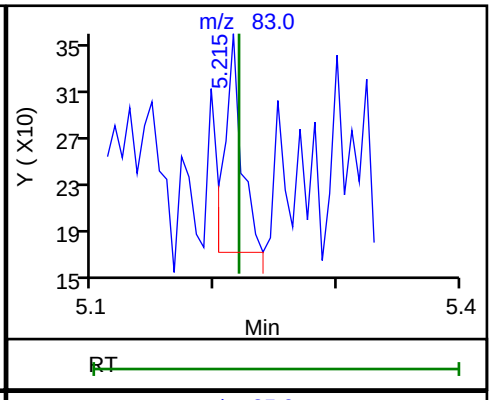
Eurofins Edison

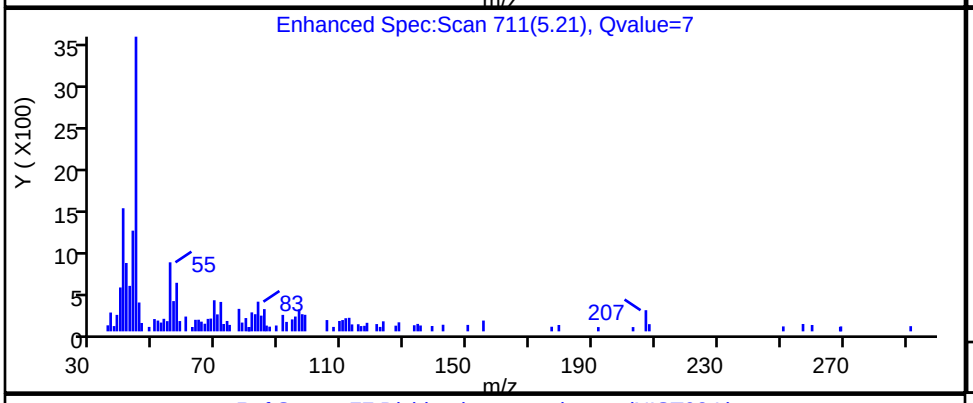
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

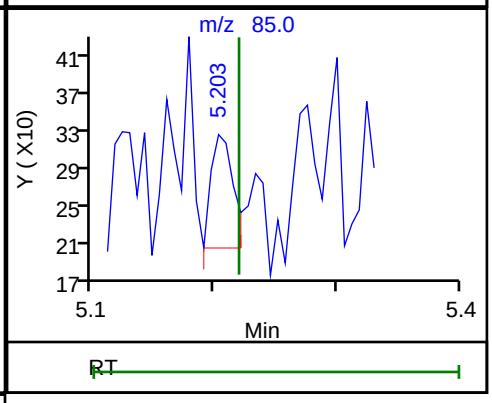
77 Dichlorobromomethane, CAS: 75-27-4

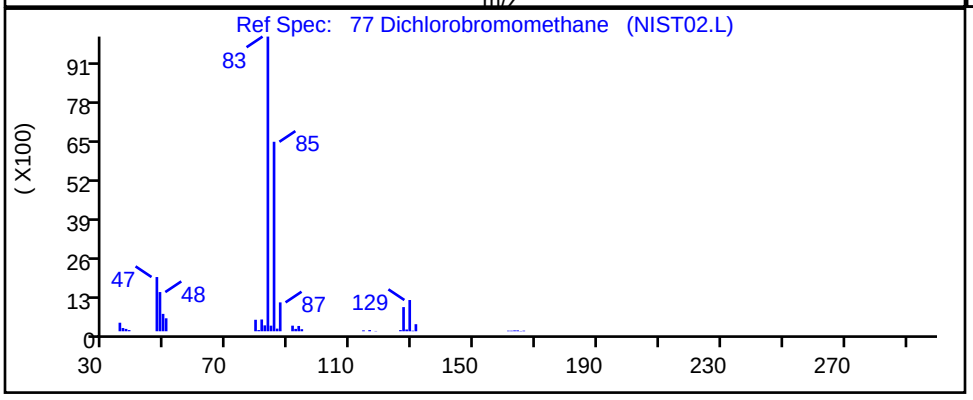
Processing Results











RT	Mass	Response	Amount
5.21	83.00	173	0.045467
5.20	85.00	151	

Reviewer: HVW2, 03-Apr-2024 23:04:46 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

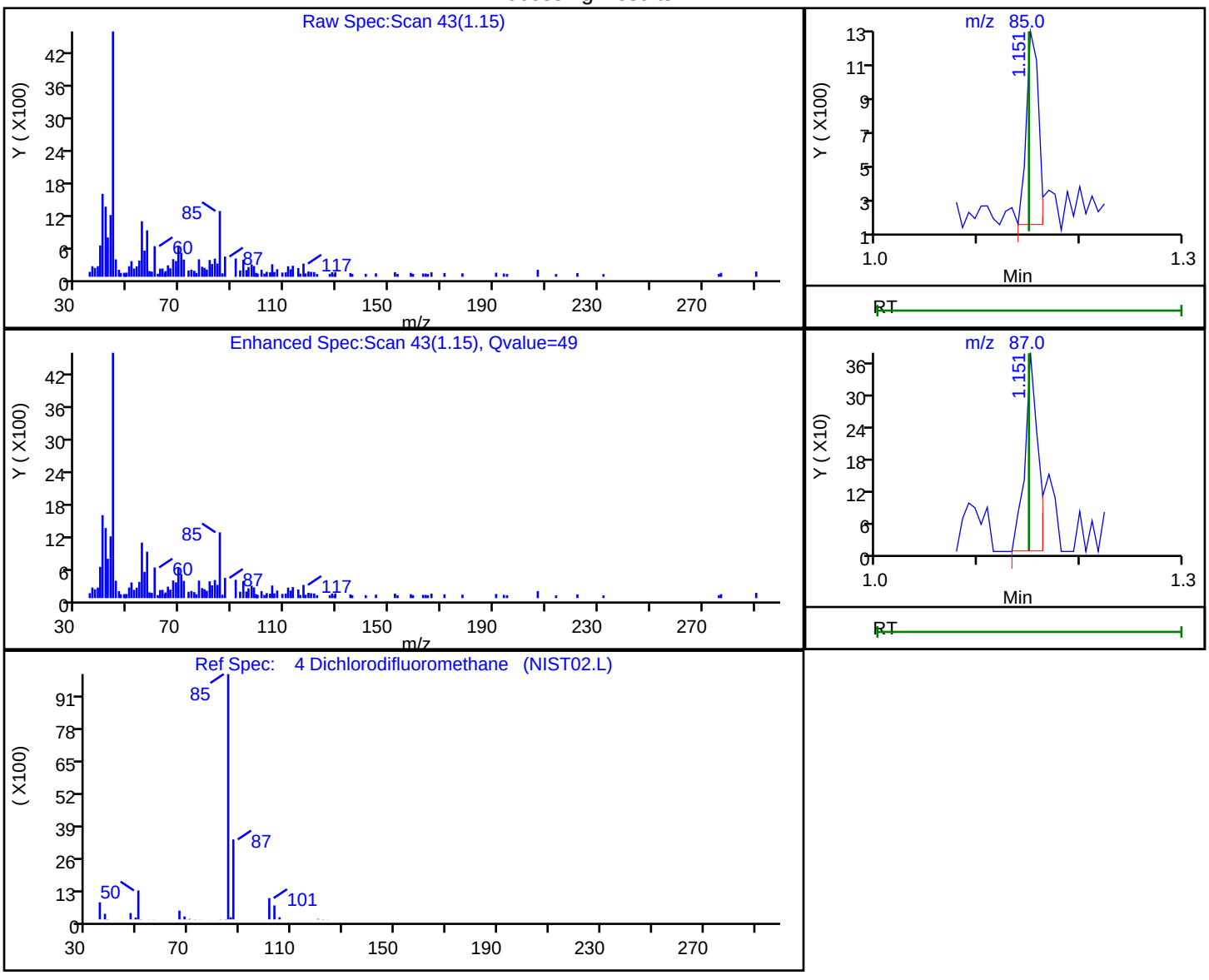
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.15	85.00	819	0.307198
1.15	87.00	333	

Reviewer: HVW2, 03-Apr-2024 23:03:20 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

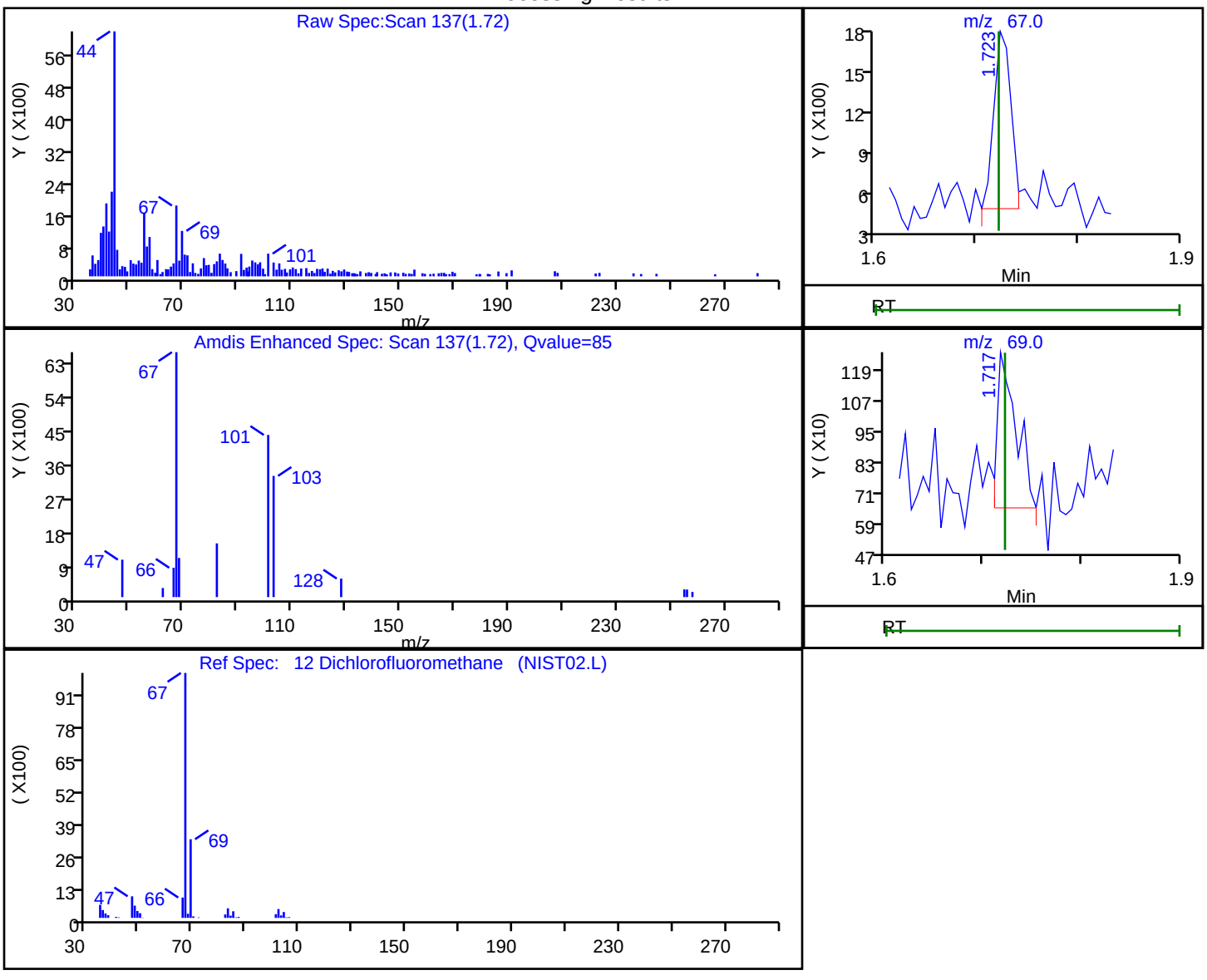
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
1.72	67.00	1468	0.324805
1.72	69.00	819	

Reviewer: HVW2, 03-Apr-2024 23:03:35 -04:00:00 (UTC)
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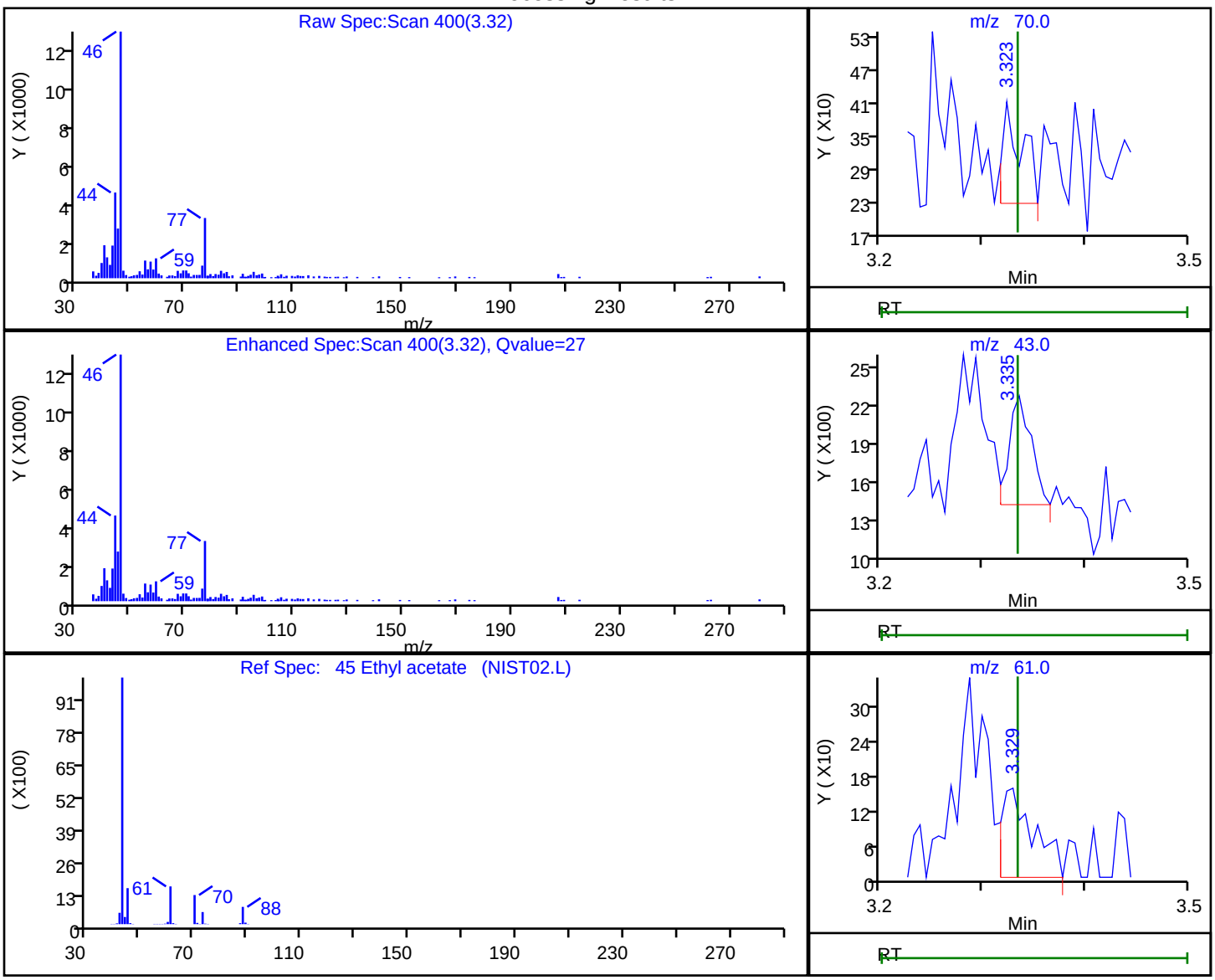
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

45 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
3.32	70.00	246	0.911942
3.33	43.00	1201	
3.33	61.00	335	

Reviewer: HVW2, 03-Apr-2024 23:04:16 -04:00:00 (UTC)
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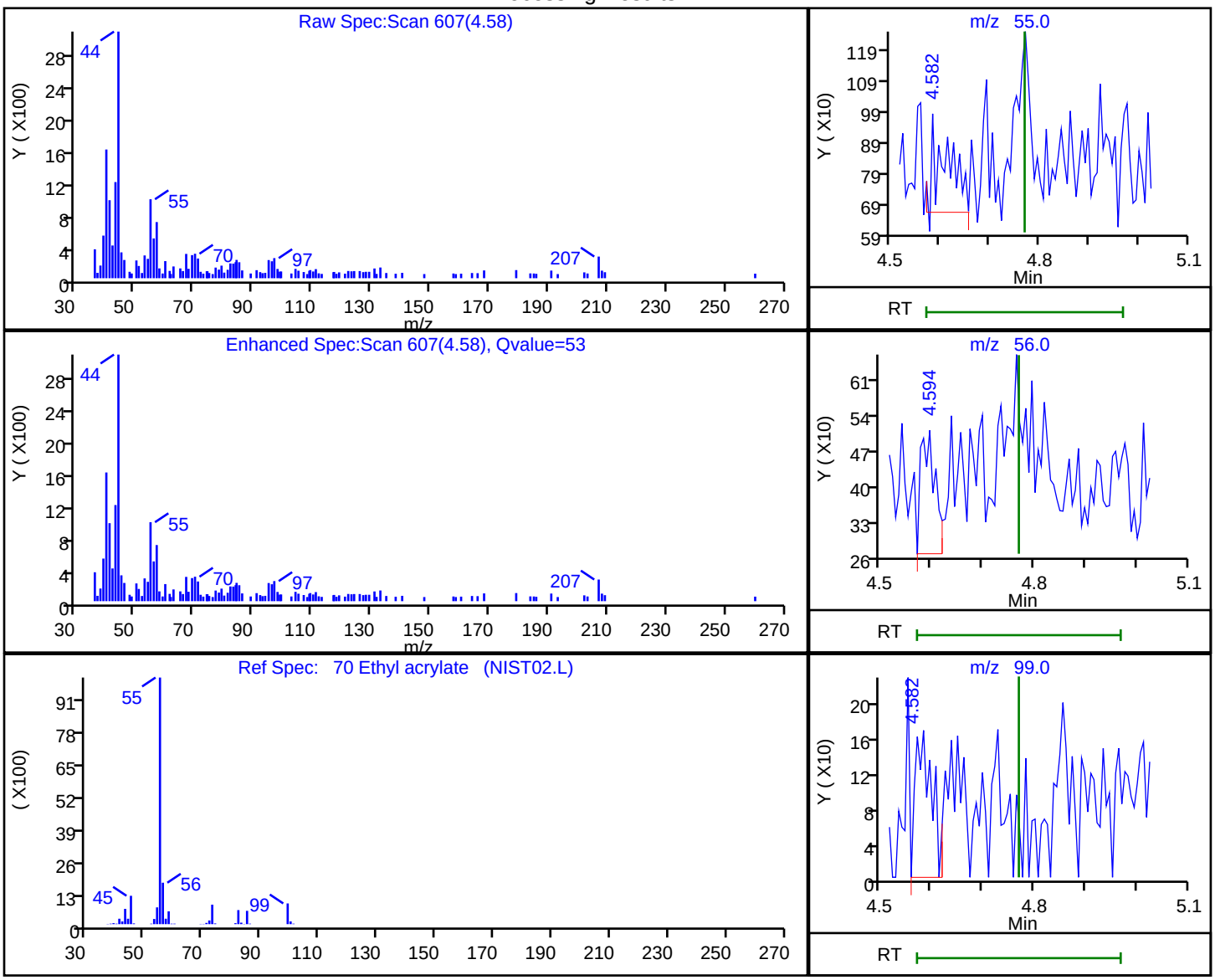
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Processing Results



RT	Mass	Response	Amount
4.58	55.00	688	0.119000
4.59	56.00	479	
4.58	99.00	368	

Reviewer: HVW2, 03-Apr-2024 23:04:43 -04:00:00 (UTC)
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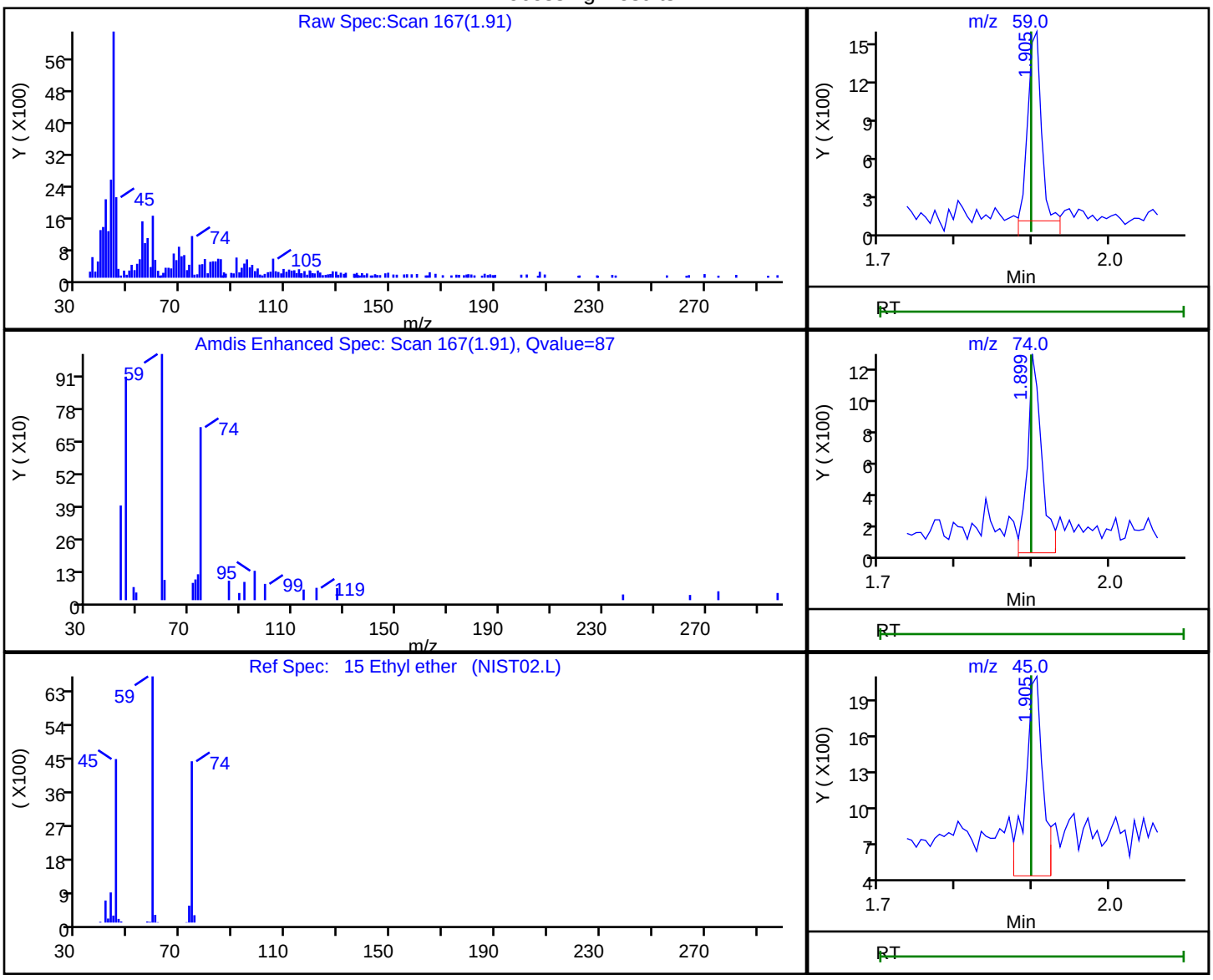
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
1.91	59.00	1816	0.025918
1.90	74.00	1652	
1.91	45.00	2606	

Reviewer: HVW2, 03-Apr-2024 23:03:38 -04:00:00 (UTC)
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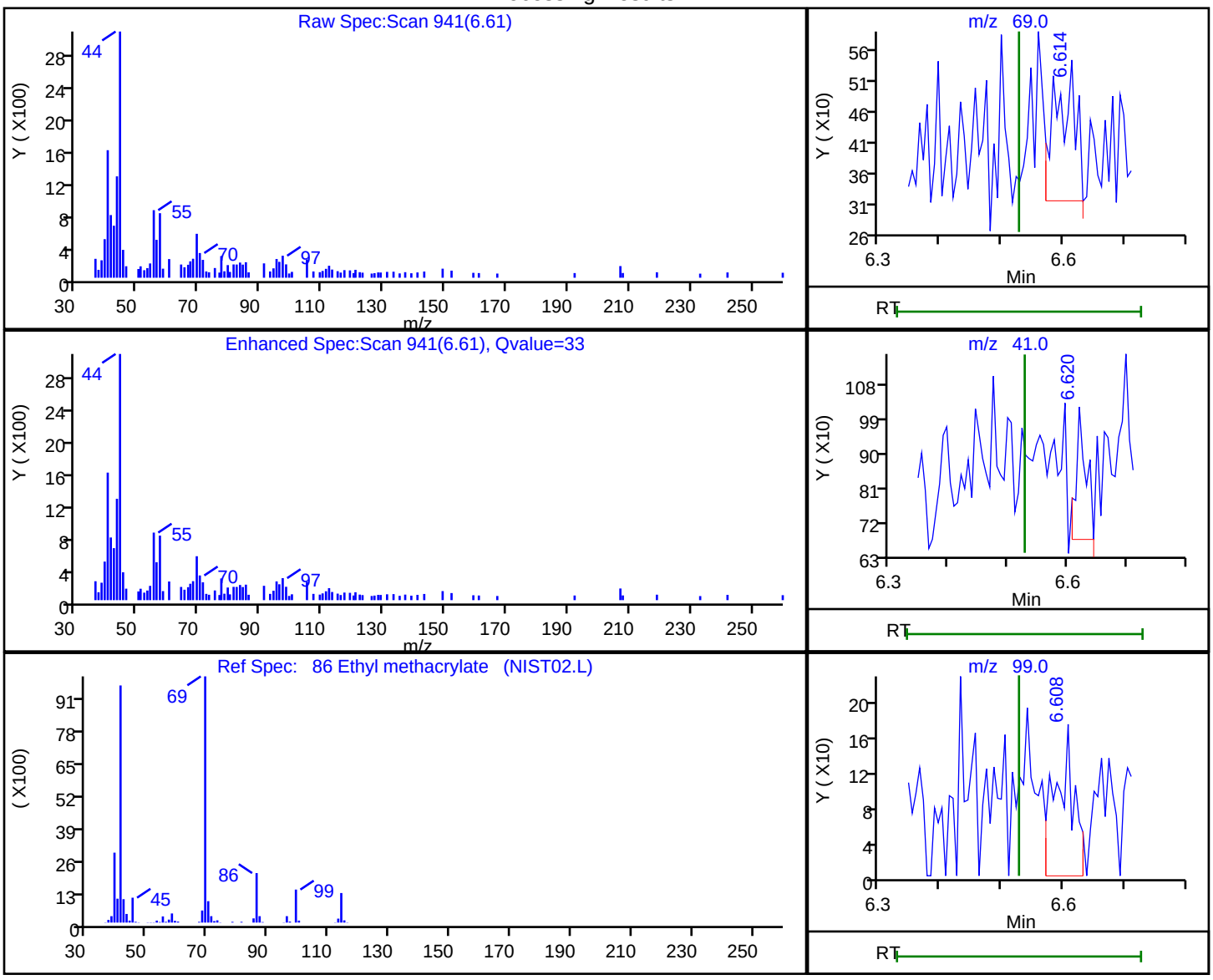
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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

86 Ethyl methacrylate, CAS: 97-63-2

Processing Results



RT	Mass	Response	Amount
6.61	69.00	497	0.156714
6.62	41.00	405	
6.61	99.00	361	

Reviewer: HVW2, 03-Apr-2024 23:04:58 -04:00:00 (UTC)
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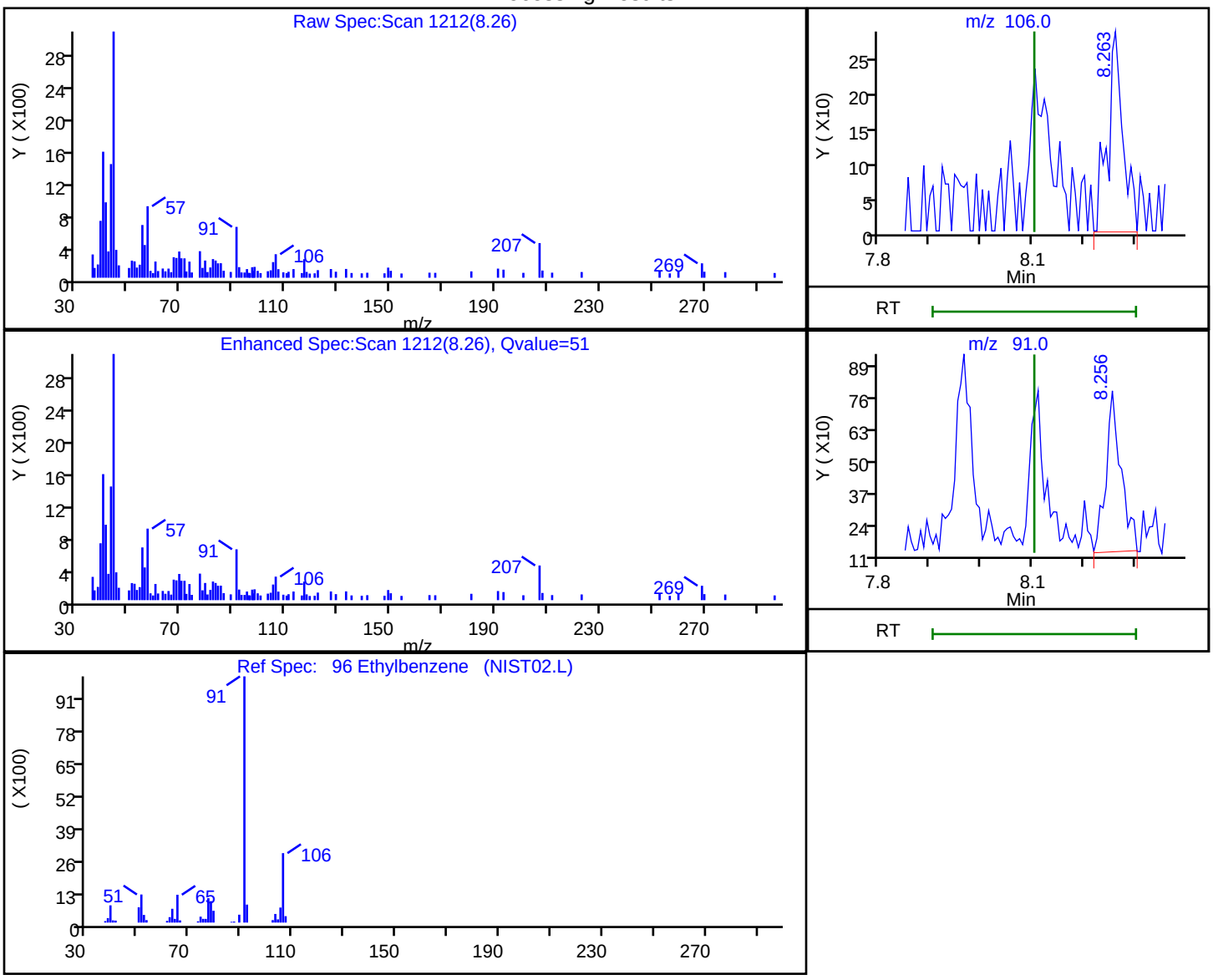
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

96 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
8.26	106.00	602	0.157884
8.26	91.00	1349	

Reviewer: HVW2, 03-Apr-2024 23:05:09 -04:00:00 (UTC)
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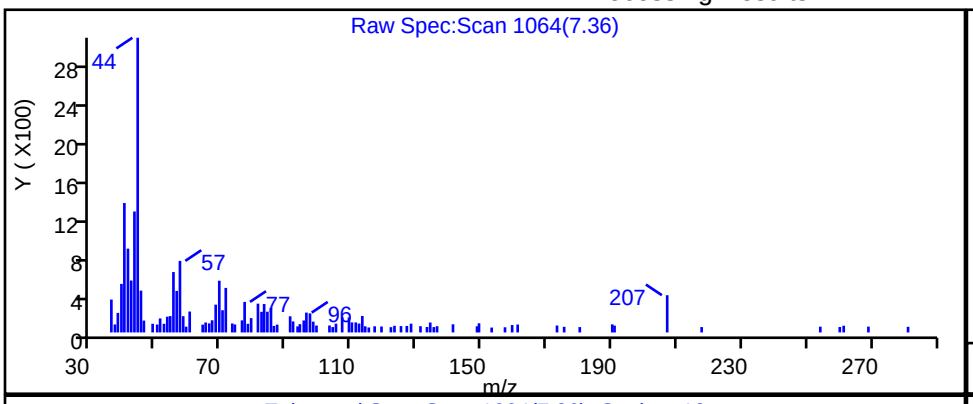
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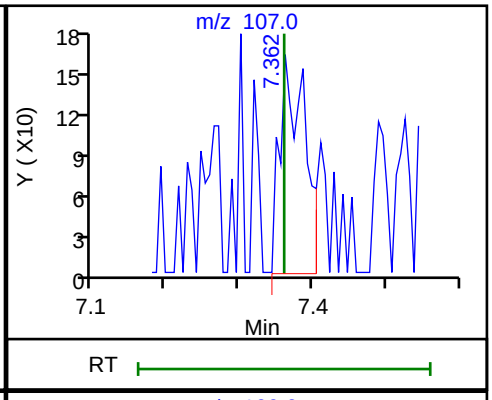
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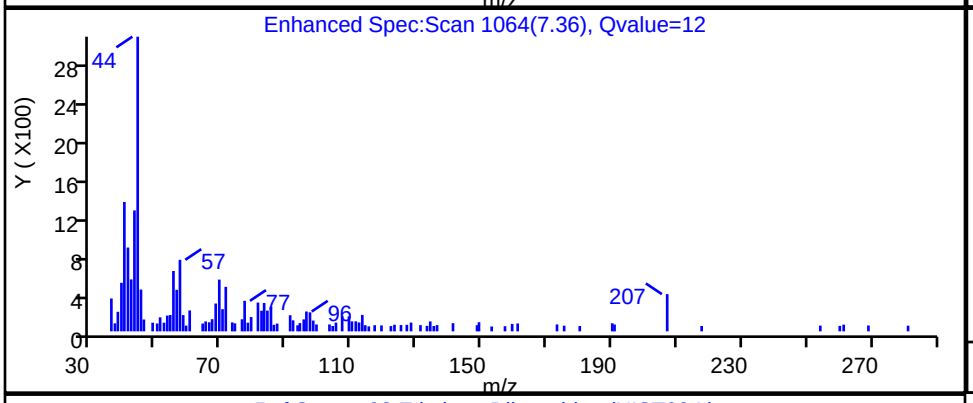
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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

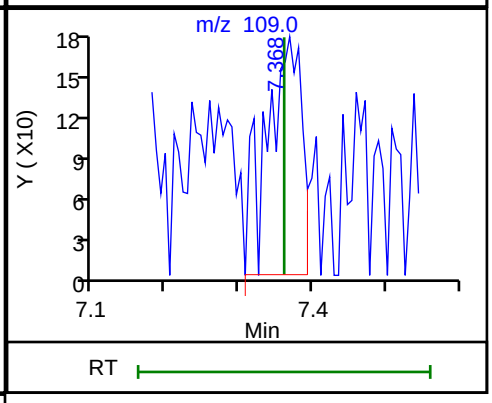
93 Ethylene Dibromide, CAS: 106-93-4

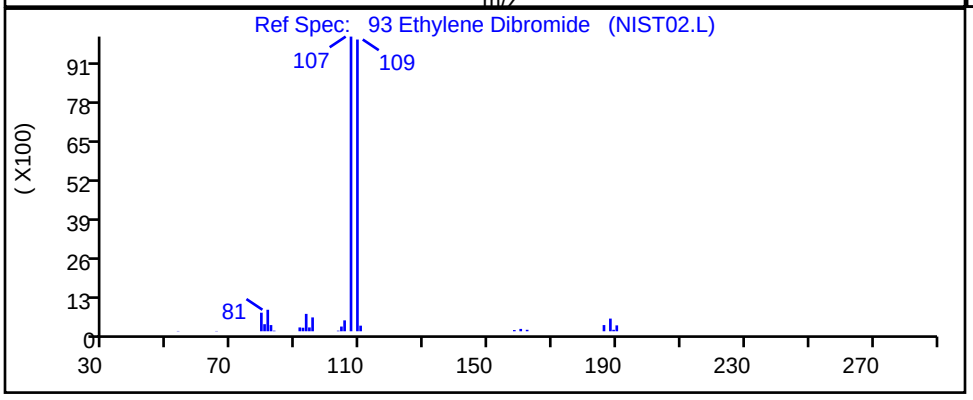
Processing Results











RT	Mass	Response	Amount
7.36	107.00	371	0.118251
7.37	109.00	582	

Reviewer: HVW2, 03-Apr-2024 23:05:05 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

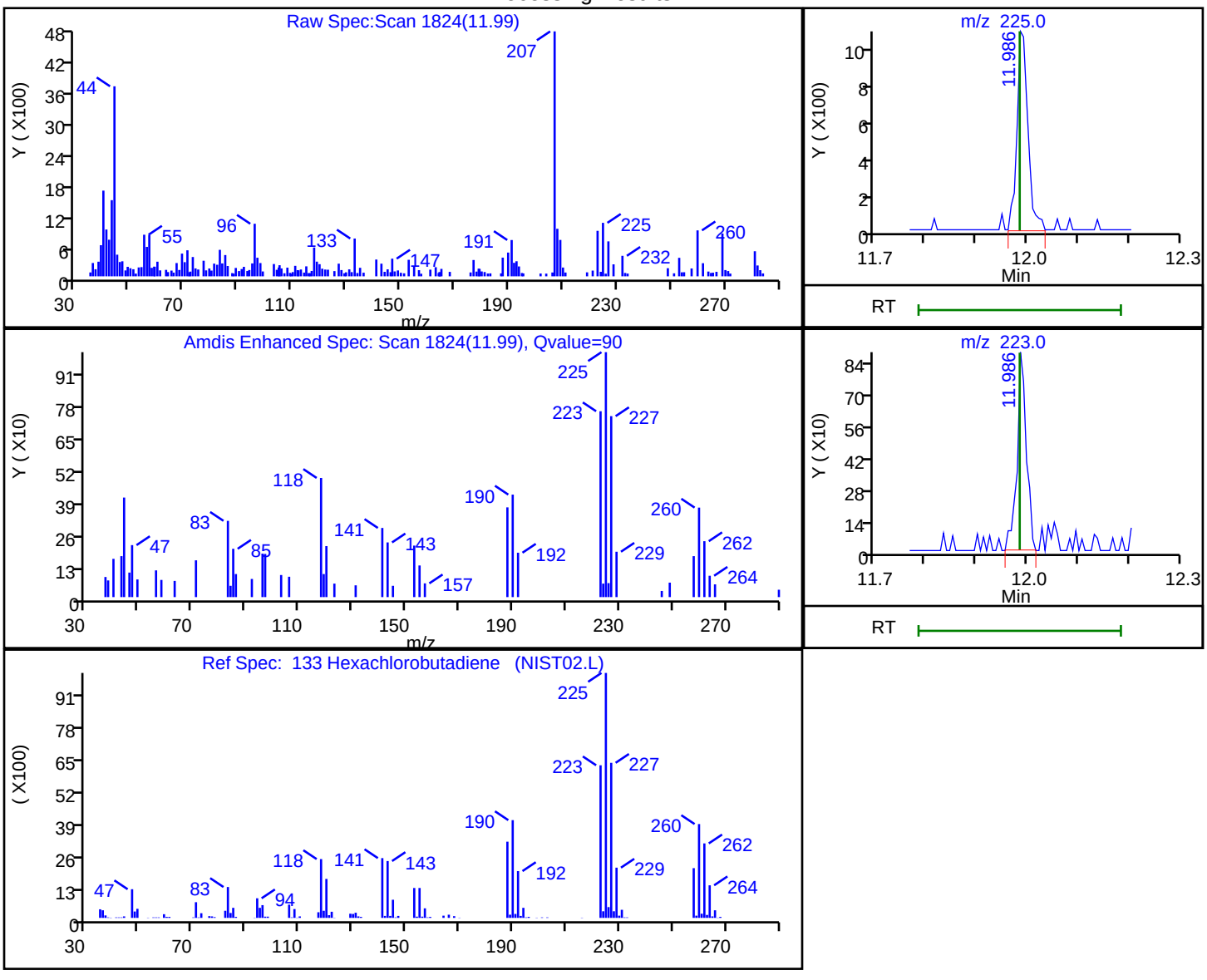
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

133 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
11.99	225.00	1559	1.270664
11.99	223.00	1135	

Reviewer: HVW2, 03-Apr-2024 23:05:58 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

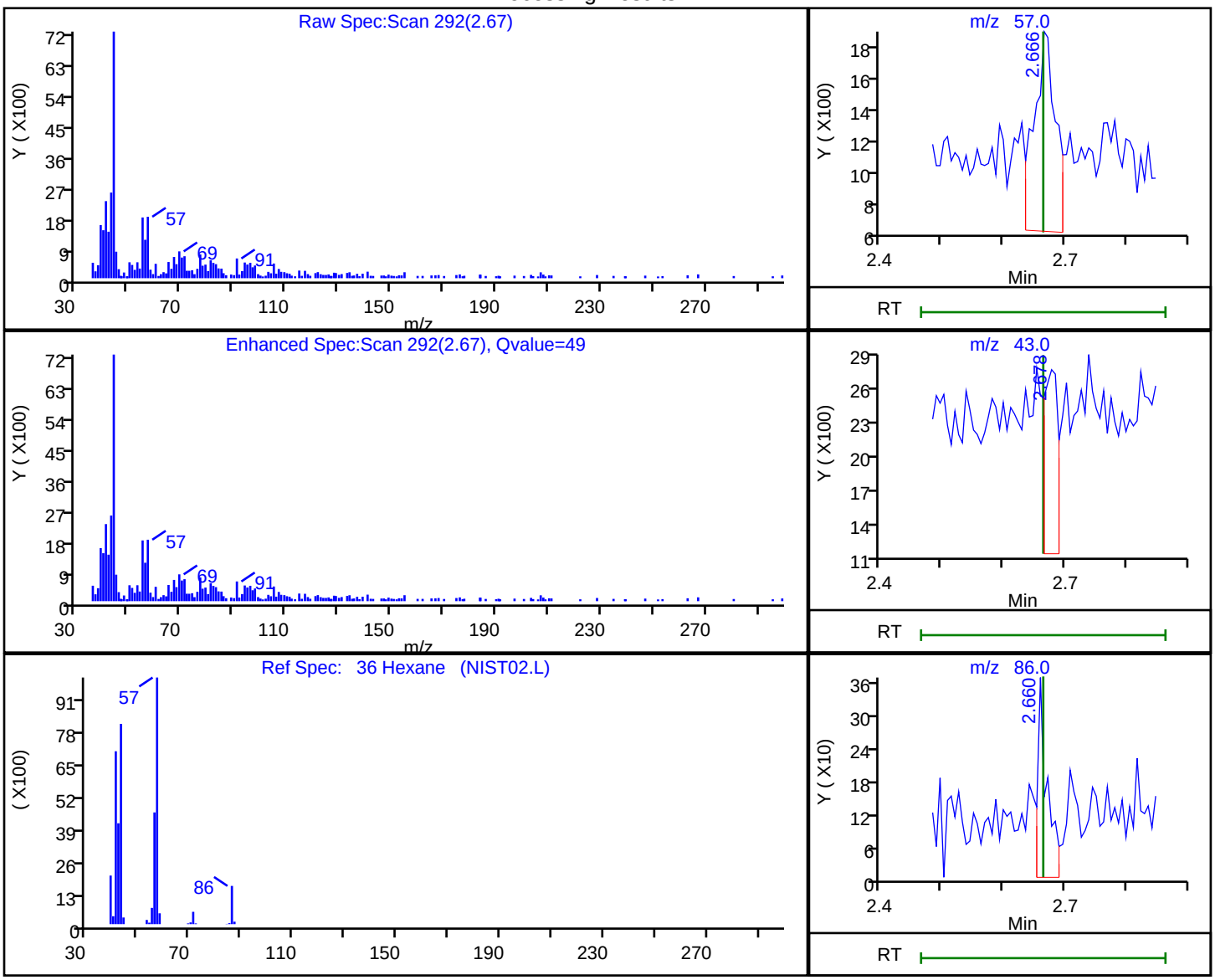
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

36 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
2.67	57.00	2883	1.119930
2.68	43.00	2558	
2.66	86.00	391	
2.67	56.00	905	

Reviewer: HVW2, 03-Apr-2024 23:04:06 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

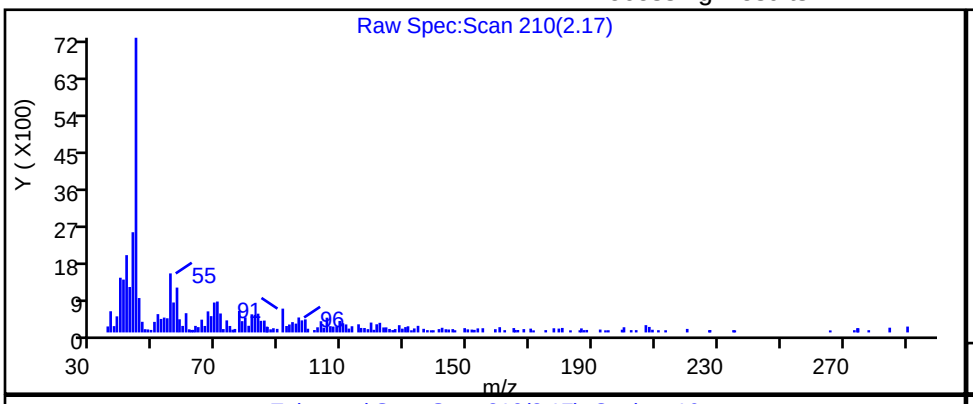
User Disabled Compound Report

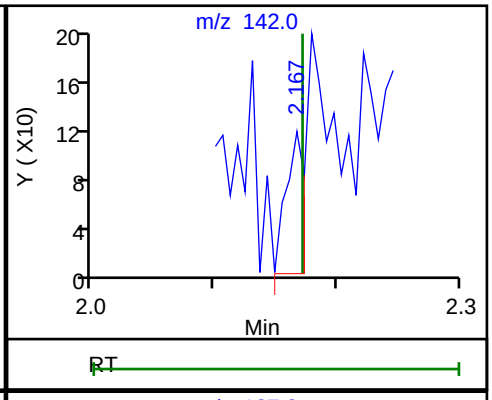
Eurofins Edison

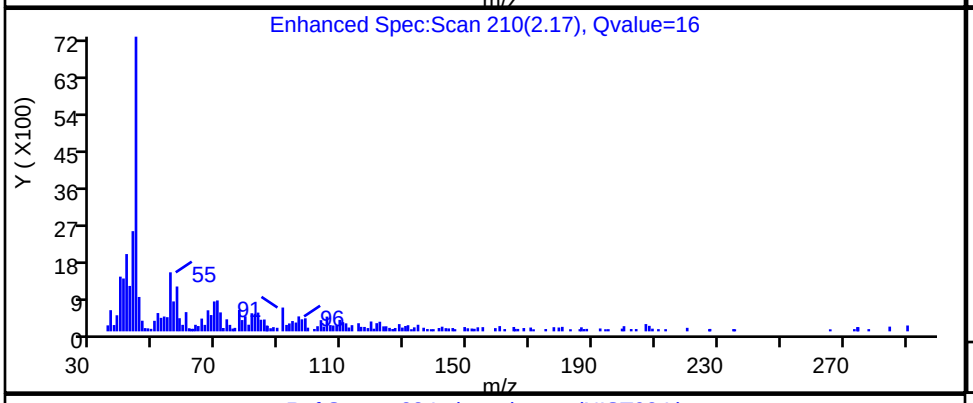
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

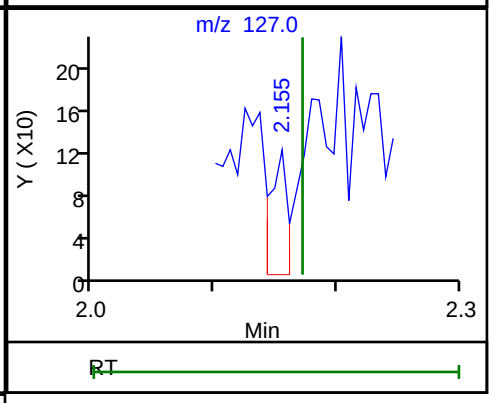
23 Iodomethane, CAS: 74-88-4

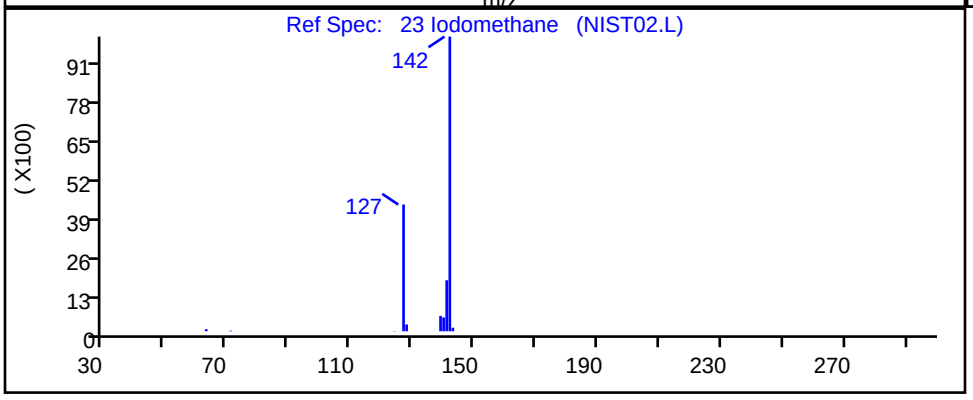
Processing Results











RT	Mass	Response	Amount
2.17	142.00	119	0.041112
2.15	127.00	121	

Reviewer: HVW2, 03-Apr-2024 23:03:47 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

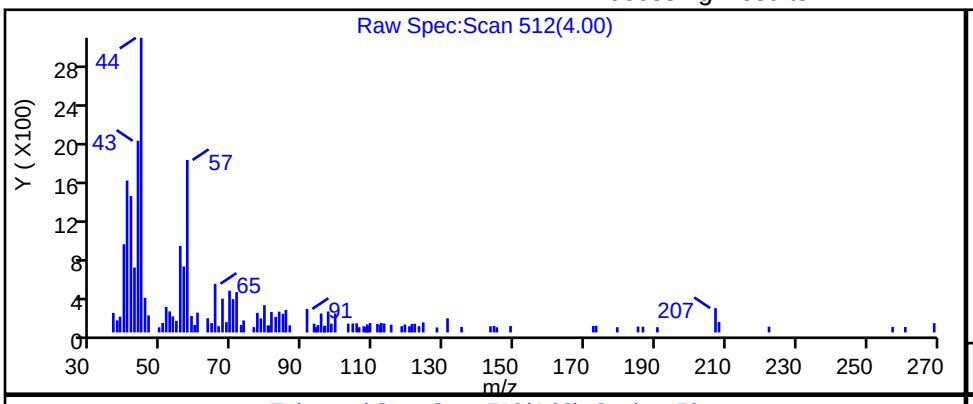
User Disabled Compound Report

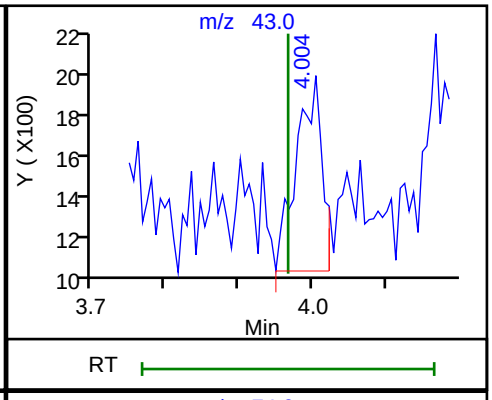
Eurofins Edison

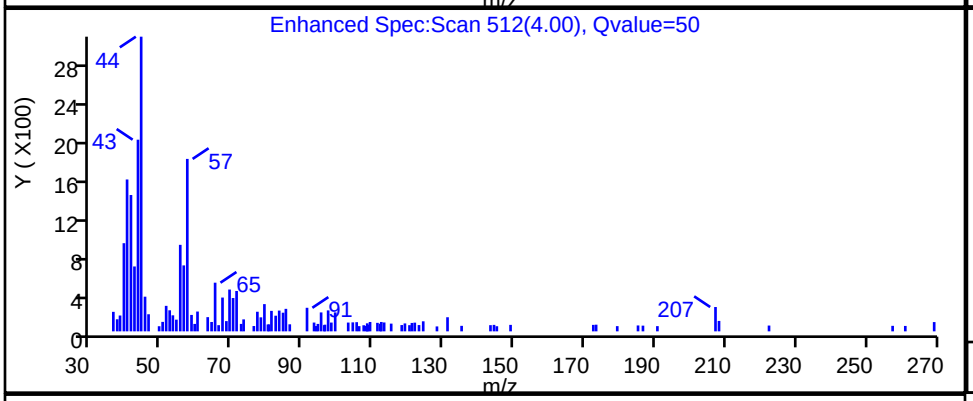
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

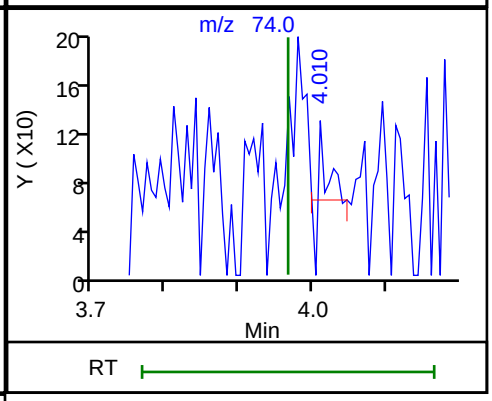
58 Isobutyl alcohol, CAS: 78-83-1

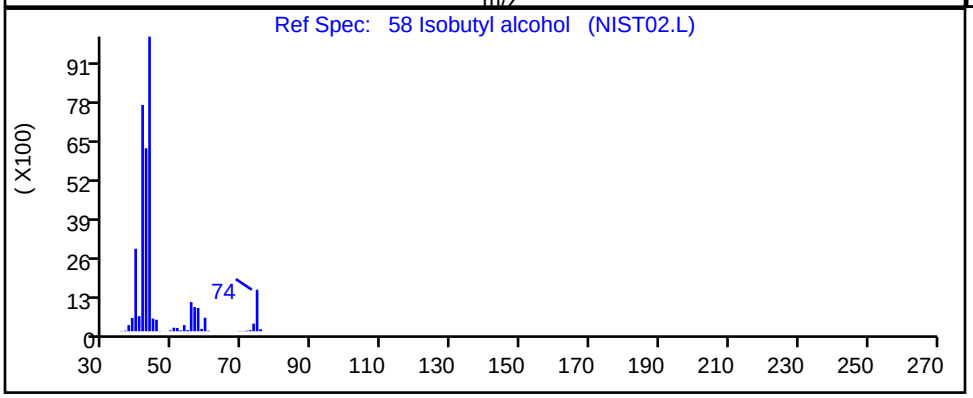
Processing Results











RT	Mass	Response	Amount
4.00	43.00	2258	14.642207
4.01	74.00	27	

Reviewer: HVW2, 03-Apr-2024 23:04:28 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

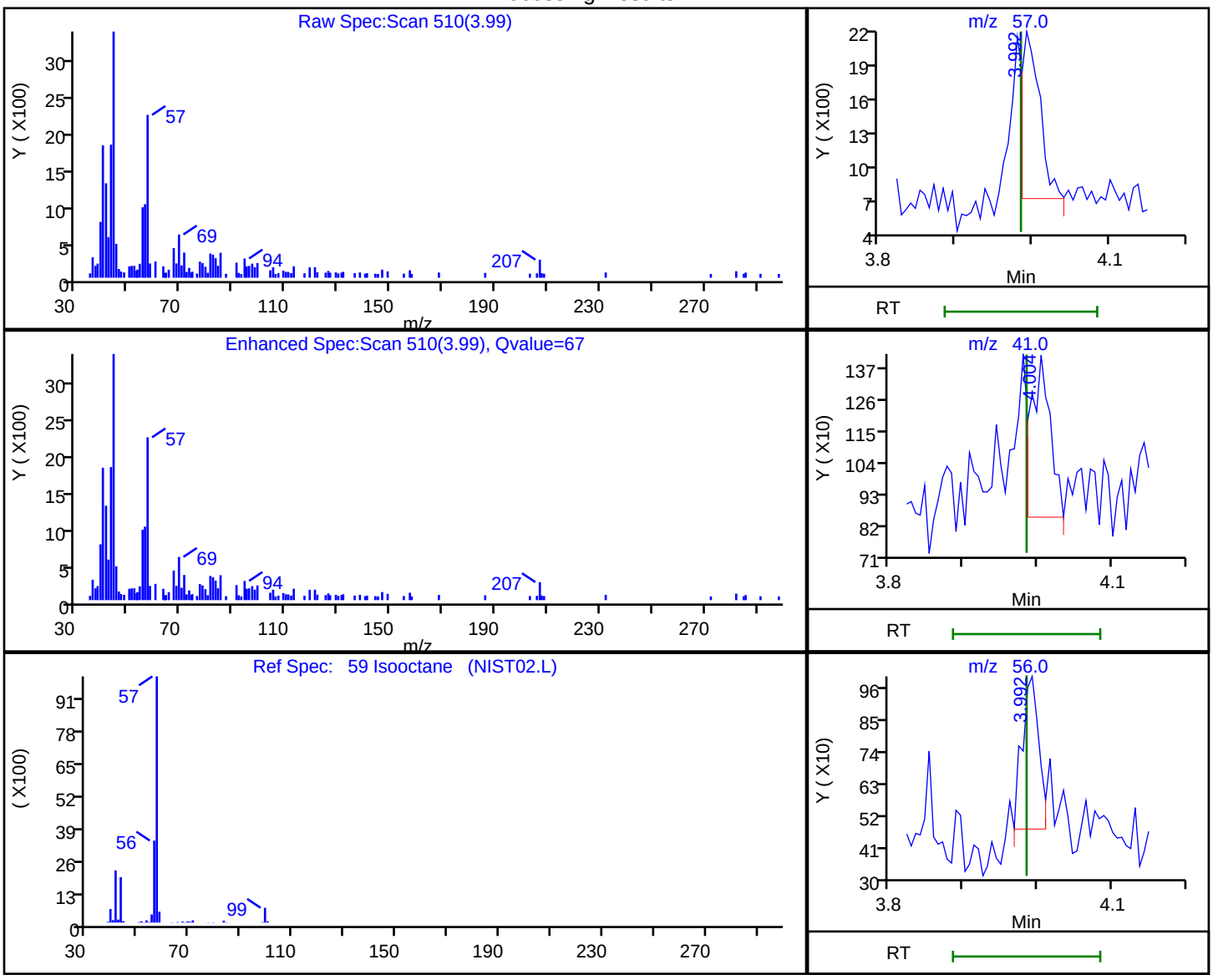
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Processing Results



RT	Mass	Response	Amount
3.99	57.00	2341	1.006290
4.00	41.00	1026	
3.99	56.00	823	

Reviewer: HVW2, 03-Apr-2024 23:04:29 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

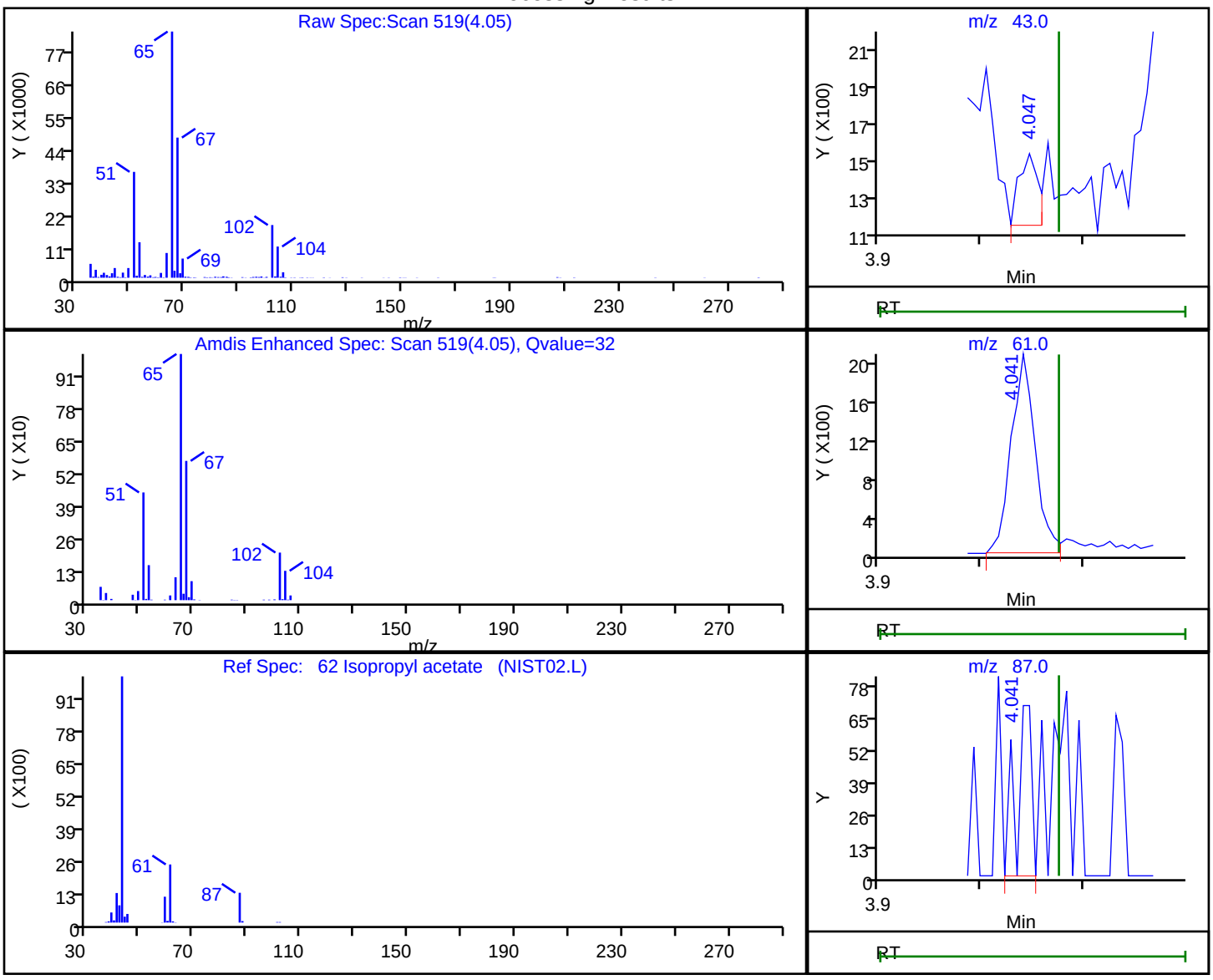
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

62 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
4.05	43.00	497	0.070464
4.04	61.00	3392	
4.04	87.00	72	

Reviewer: HVW2, 03-Apr-2024 23:04:33 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

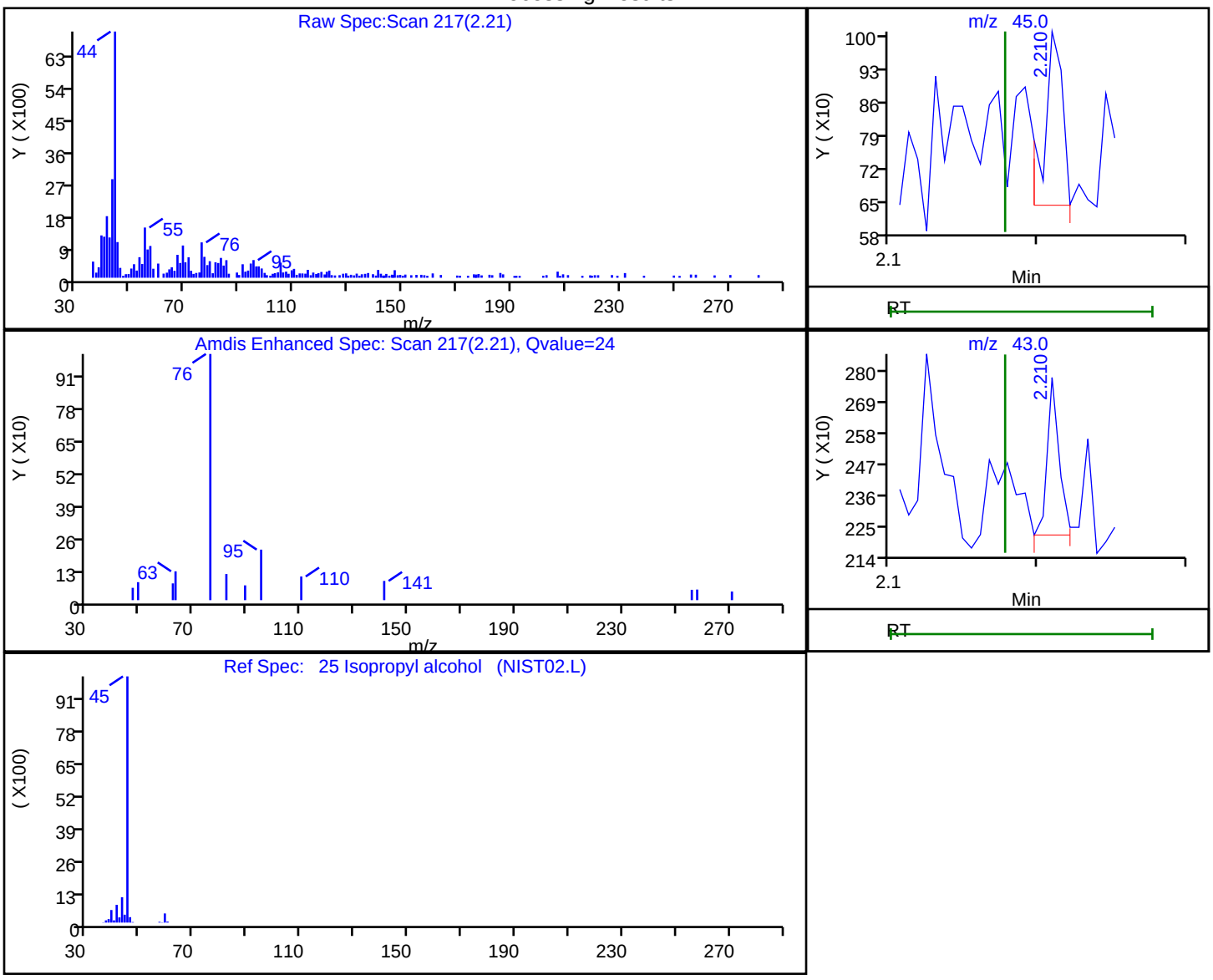
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
2.21	45.00	299	2.122216
2.21	43.00	315	

Reviewer: HVW2, 03-Apr-2024 23:03:48 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

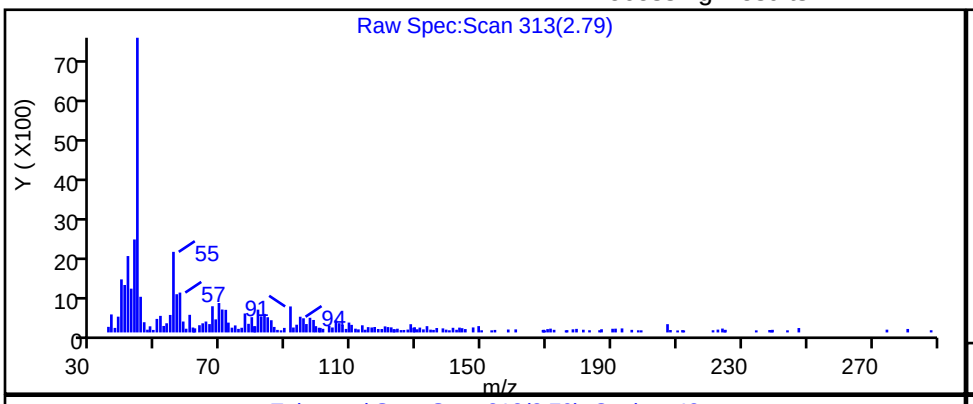
User Disabled Compound Report

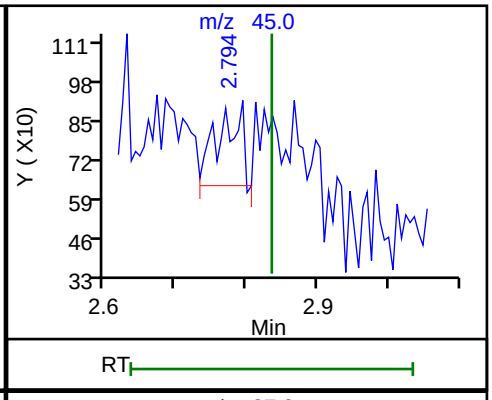
Eurofins Edison

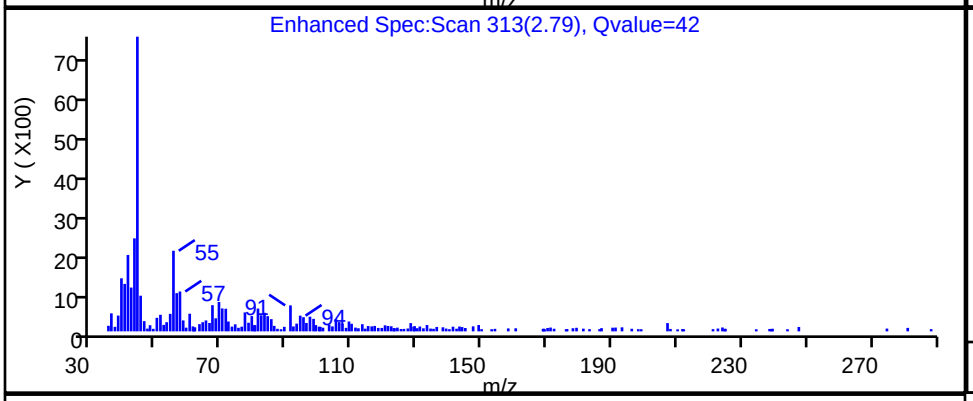
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

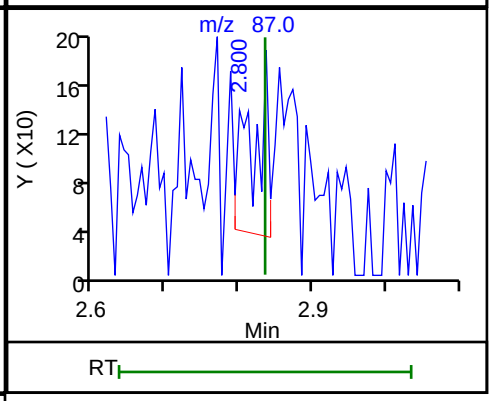
37 Isopropyl ether, CAS: 108-20-3

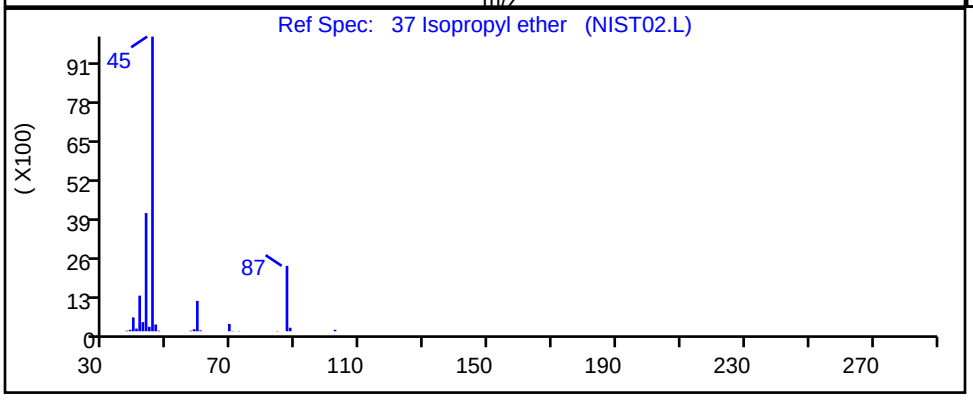
Processing Results











RT	Mass	Response	Amount
2.79	45.00	645	0.074611
2.80	87.00	233	

Reviewer: HVW2, 03-Apr-2024 23:04:07 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

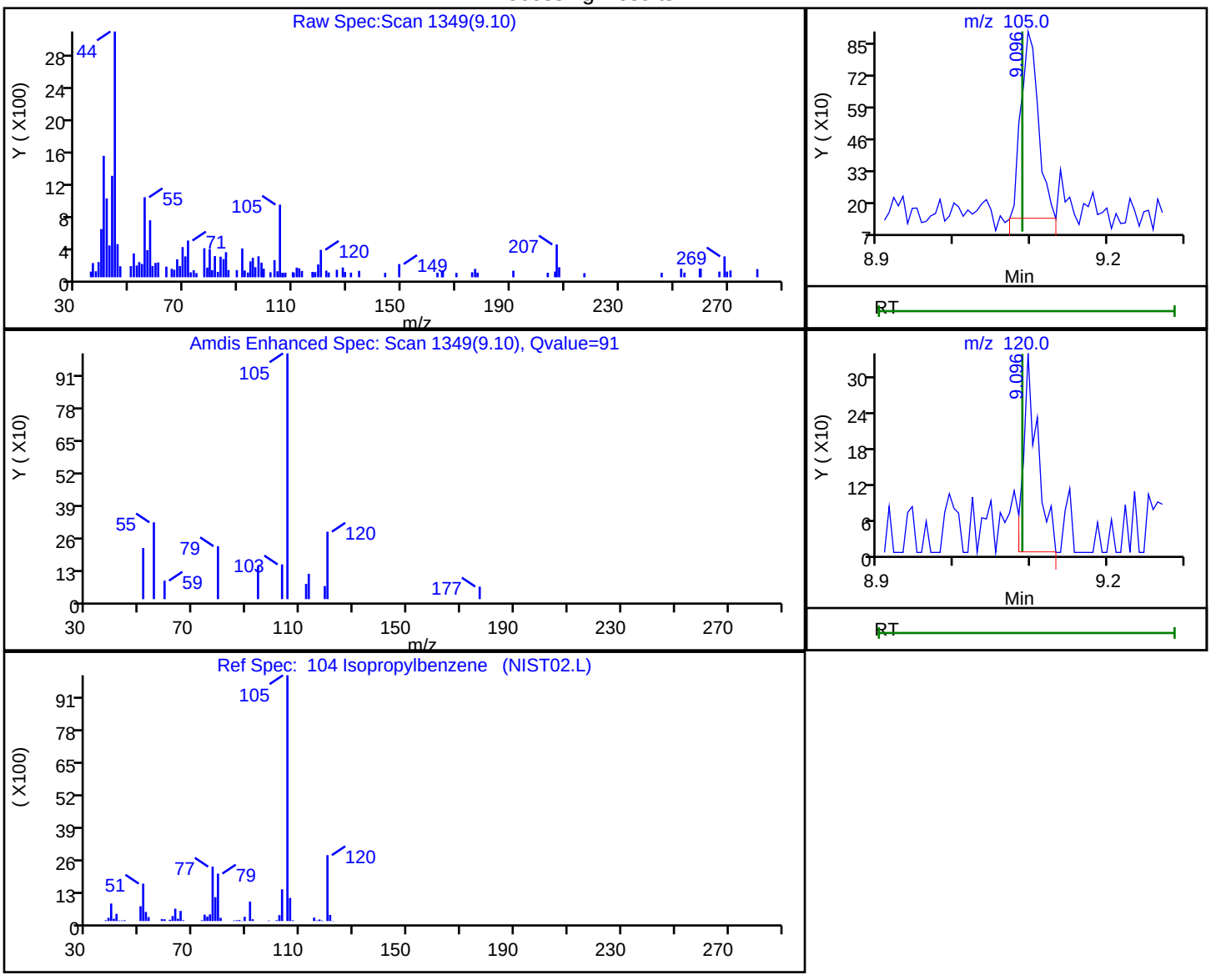
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

104 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
9.10	105.00	1232	0.124403
9.10	120.00	433	

Reviewer: HVW2, 03-Apr-2024 23:05:18 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

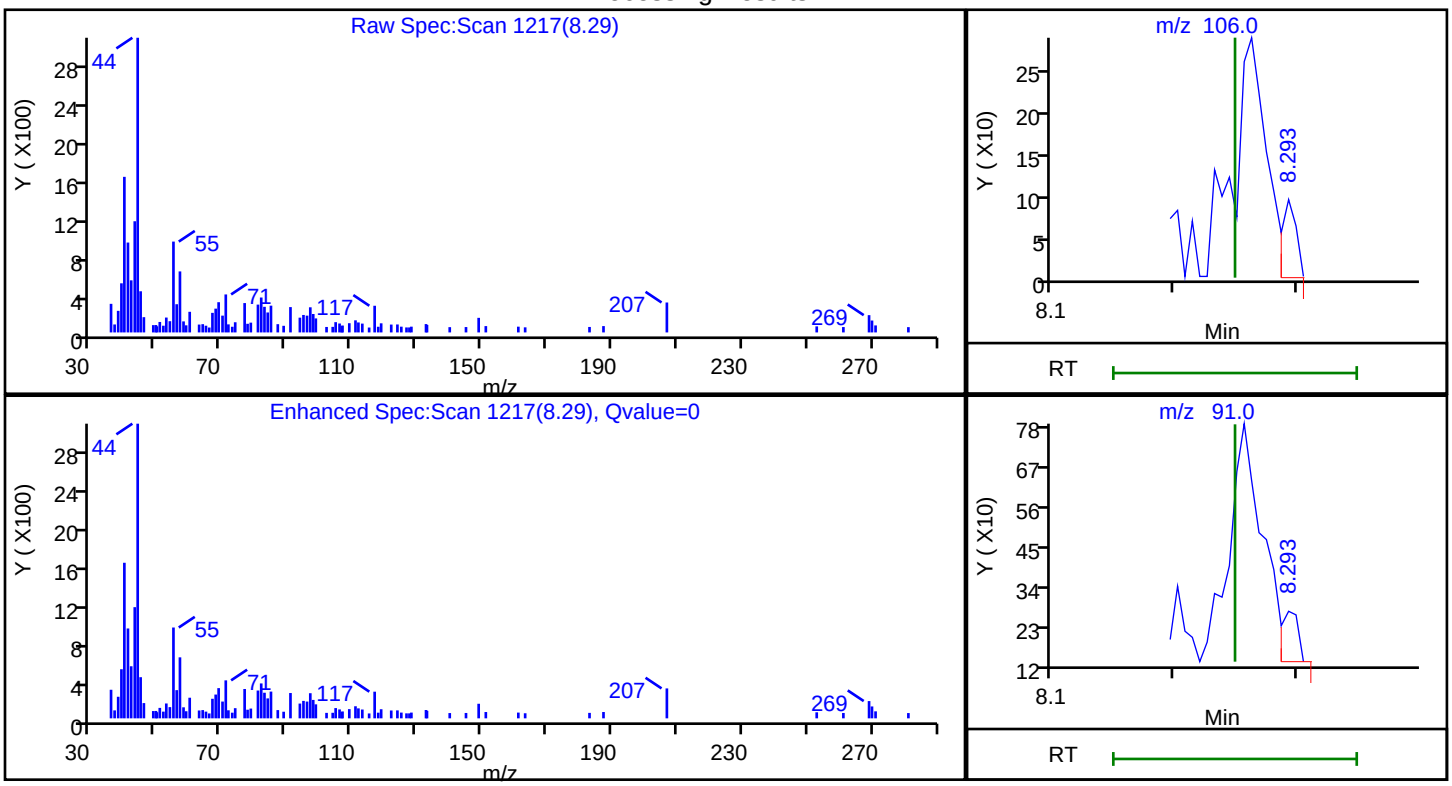
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
8.29	106.00	76	0.015945
8.29	91.00	136	

Reviewer: HVW2, 03-Apr-2024 23:05:11 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

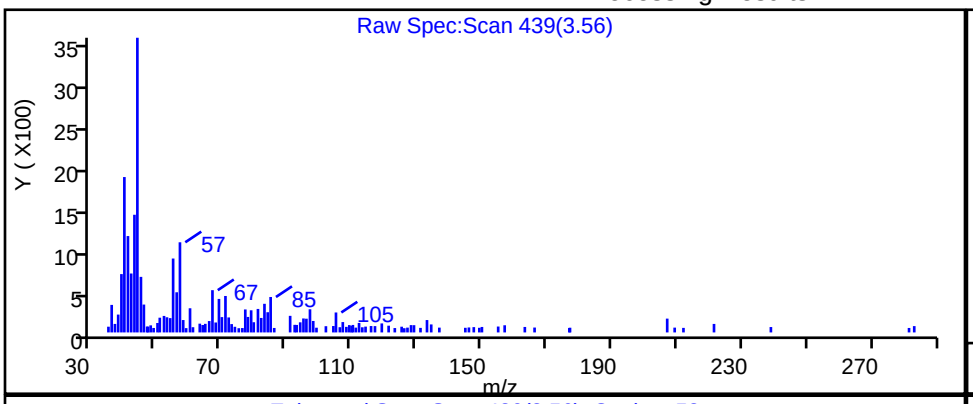
User Disabled Compound Report

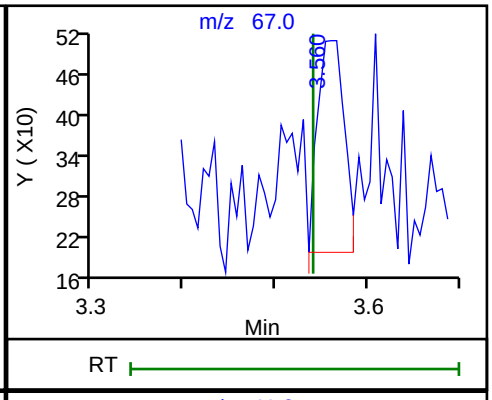
Eurofins Edison

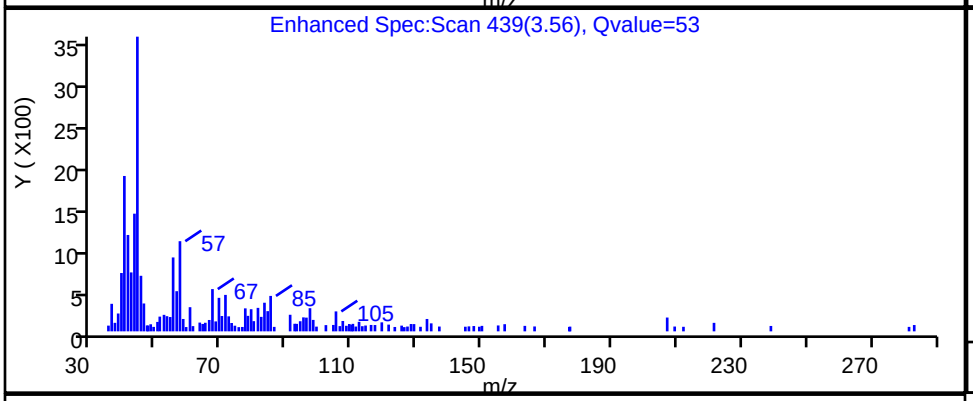
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

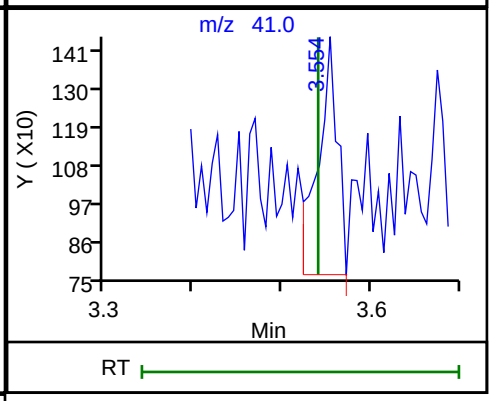
51 Methacrylonitrile, CAS: 126-98-7

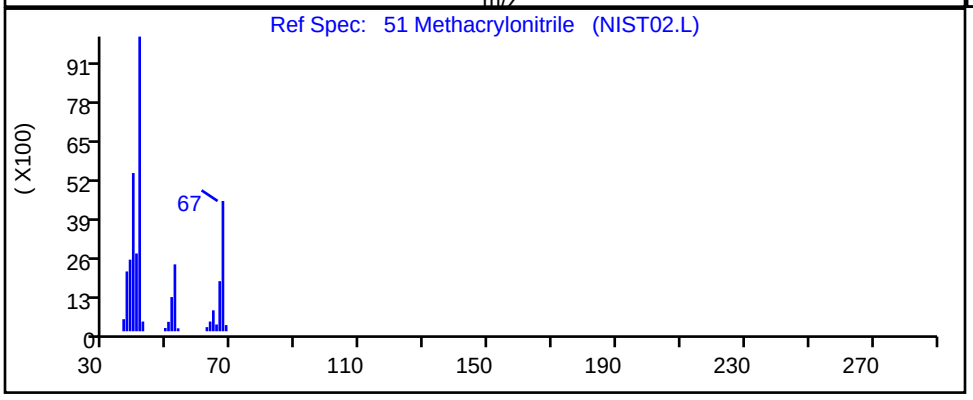
Processing Results











RT	Mass	Response	Amount
3.56	67.00	625	0.601925
3.55	41.00	1078	

Reviewer: HVW2, 03-Apr-2024 23:04:22 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

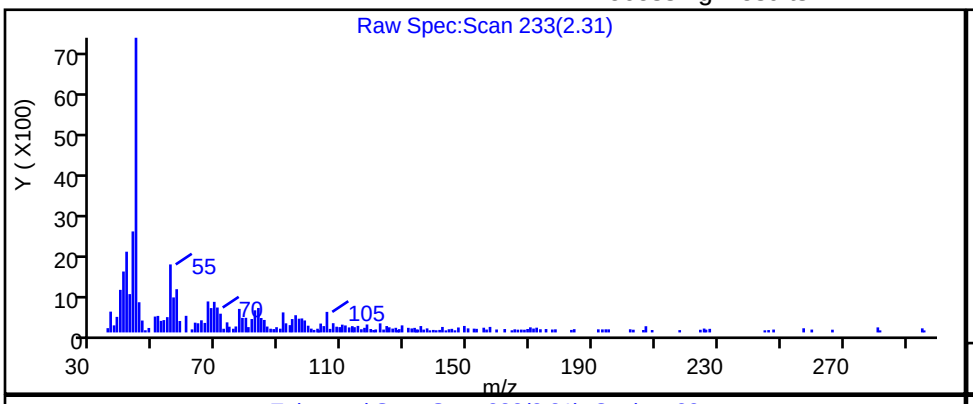
User Disabled Compound Report

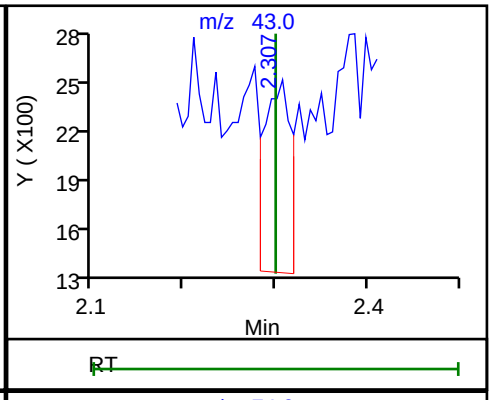
Eurofins Edison

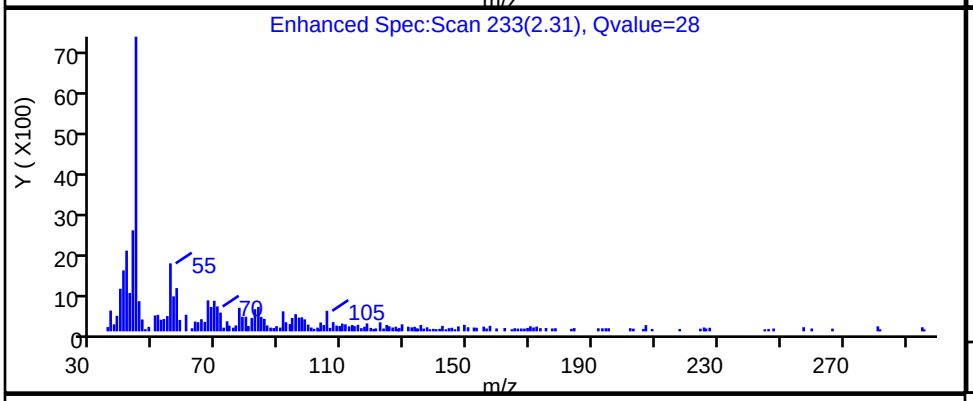
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

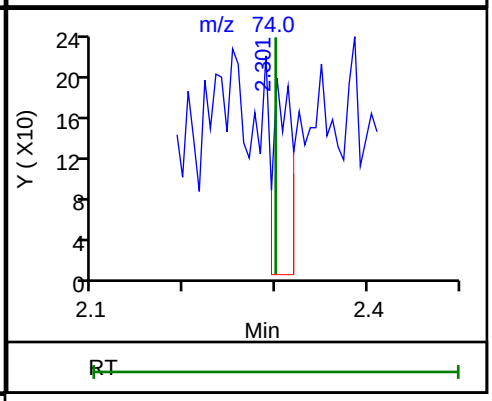
28 Methyl acetate, CAS: 79-20-9

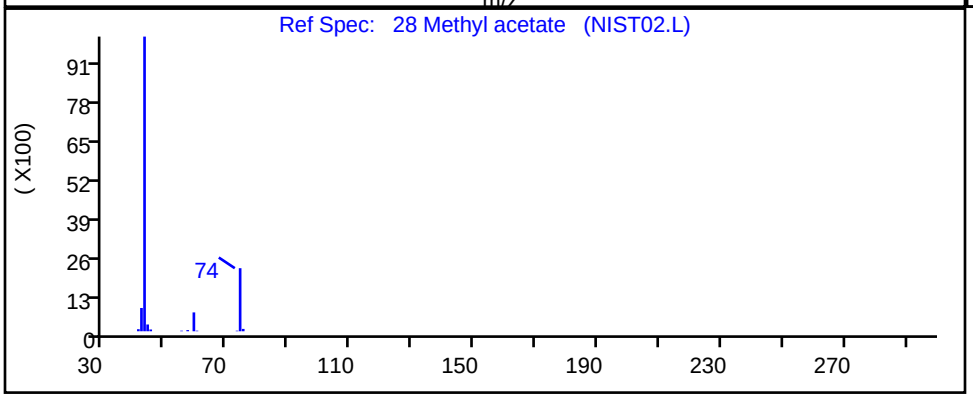
Processing Results











RT	Mass	Response	Amount
2.31	43.00	2525	1.243923
2.30	74.00	266	

Reviewer: HVW2, 03-Apr-2024 23:03:52 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

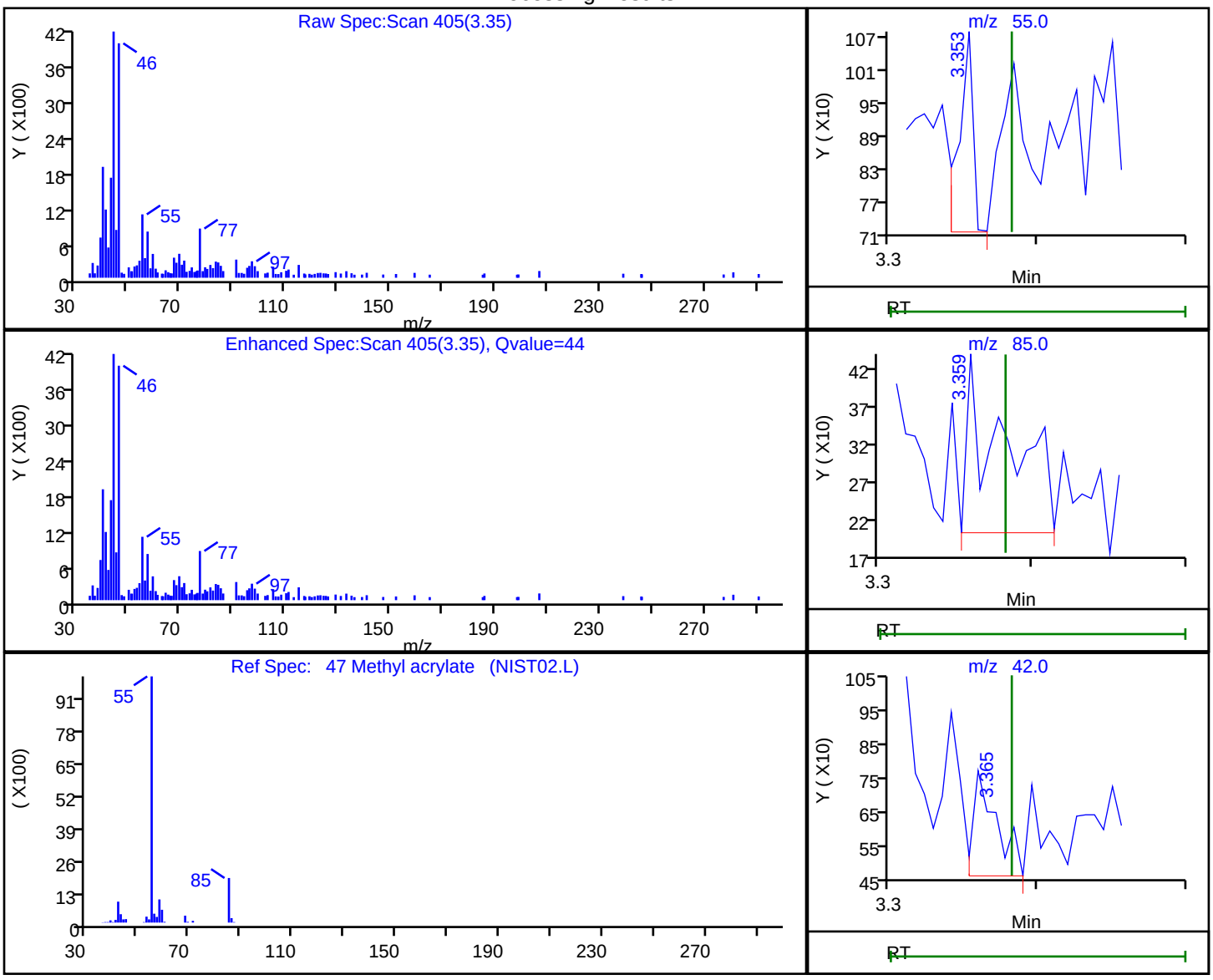
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

47 Methyl acrylate, CAS: 96-33-3

Processing Results



RT	Mass	Response	Amount
3.35	55.00	237	0.102349
3.36	85.00	407	
3.37	42.00	345	

Reviewer: HVW2, 03-Apr-2024 23:04:17 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

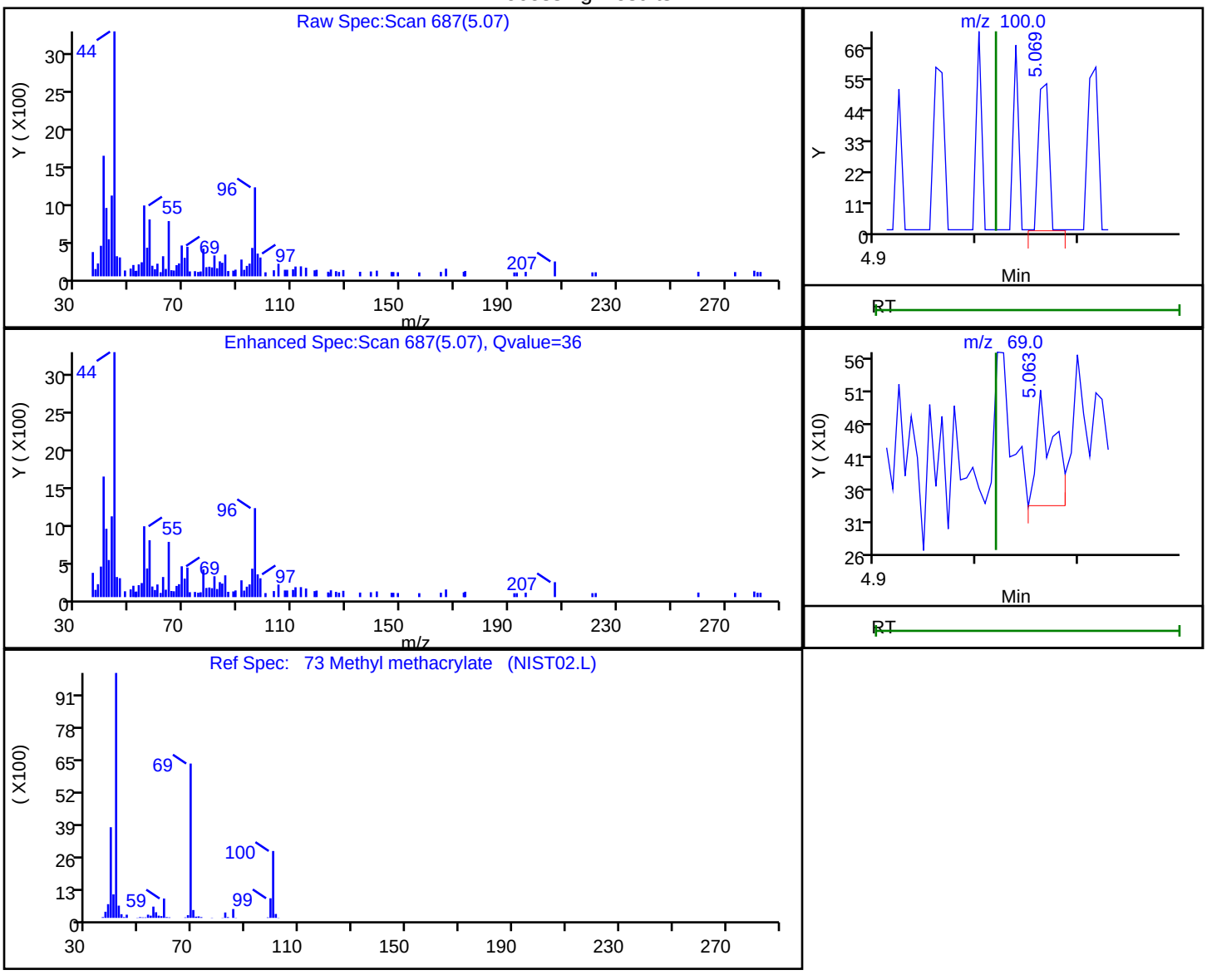
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

73 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
5.07	100.00	38	0.063810
5.06	69.00	210	

Reviewer: HVW2, 03-Apr-2024 23:04:40 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

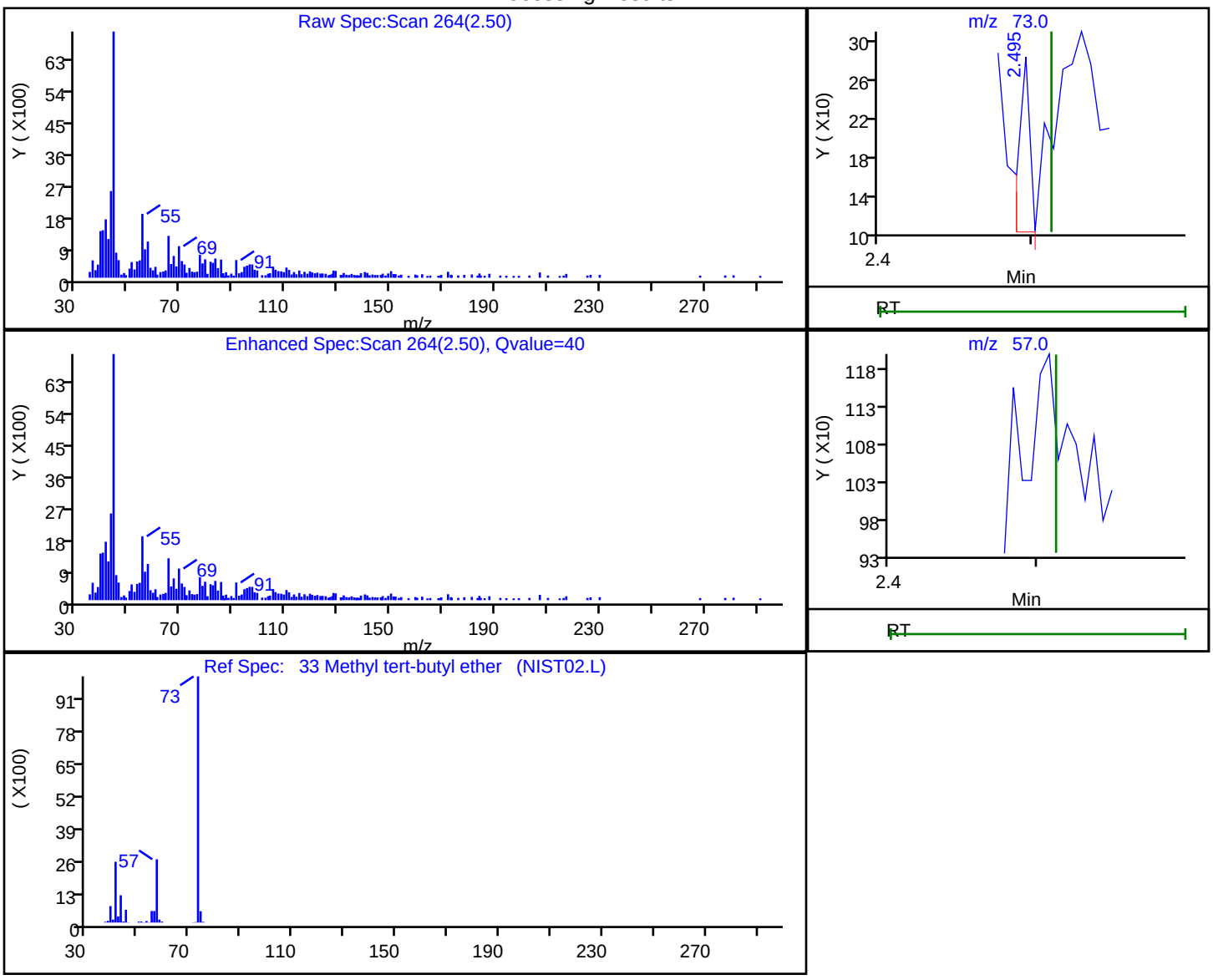
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

33 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results



RT	Mass	Response	Amount
2.50	73.00	82	0.013452
2.51	57.00	0	

Reviewer: HVW2, 03-Apr-2024 23:04:02 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

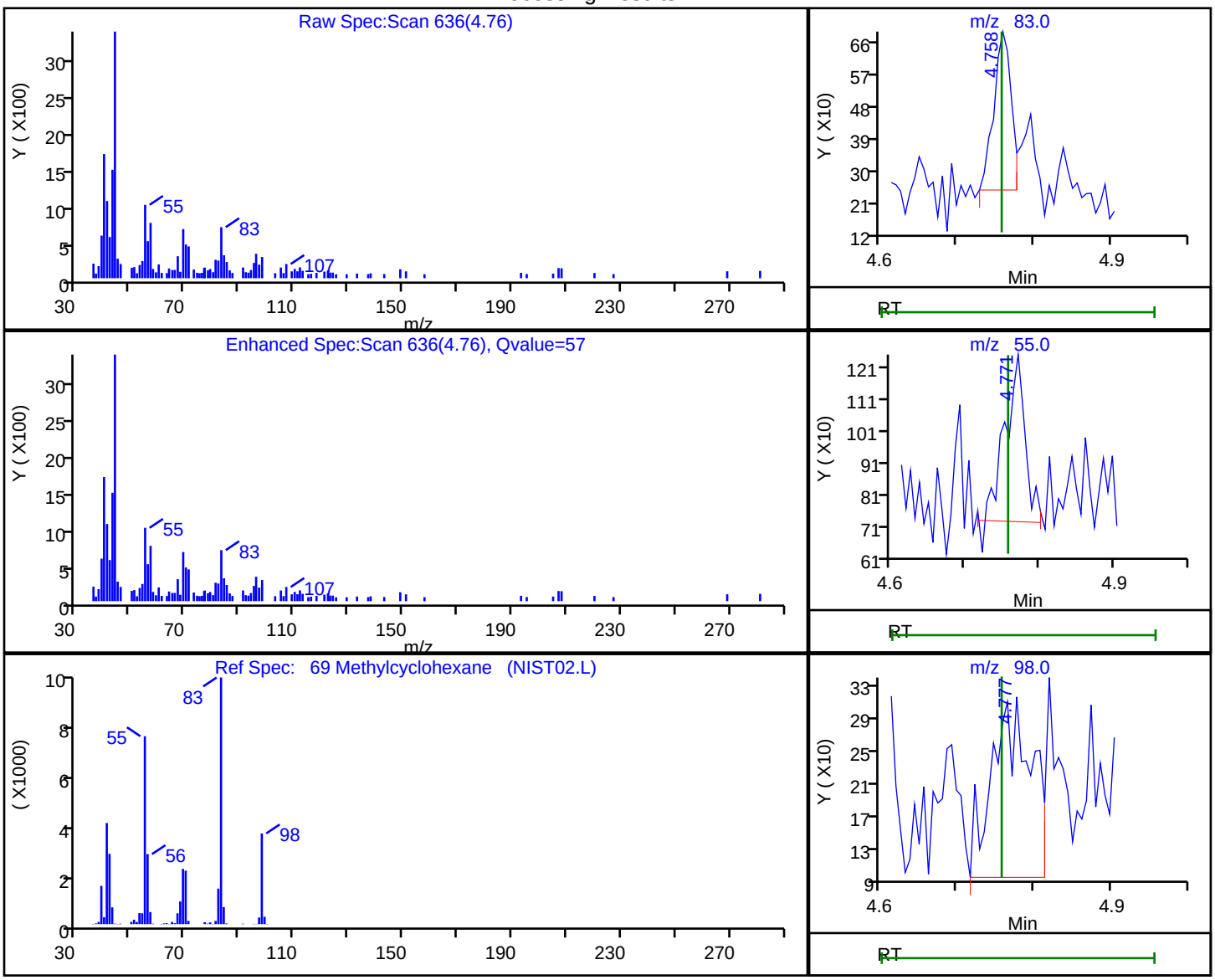
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 Methylcyclohexane, CAS: 108-87-2

Processing Results



RT	Mass	Response	Amount
4.76	83.00	702	0.208507
4.77	55.00	986	
4.78	98.00	801	

Reviewer: HVW2, 03-Apr-2024 23:04:38 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

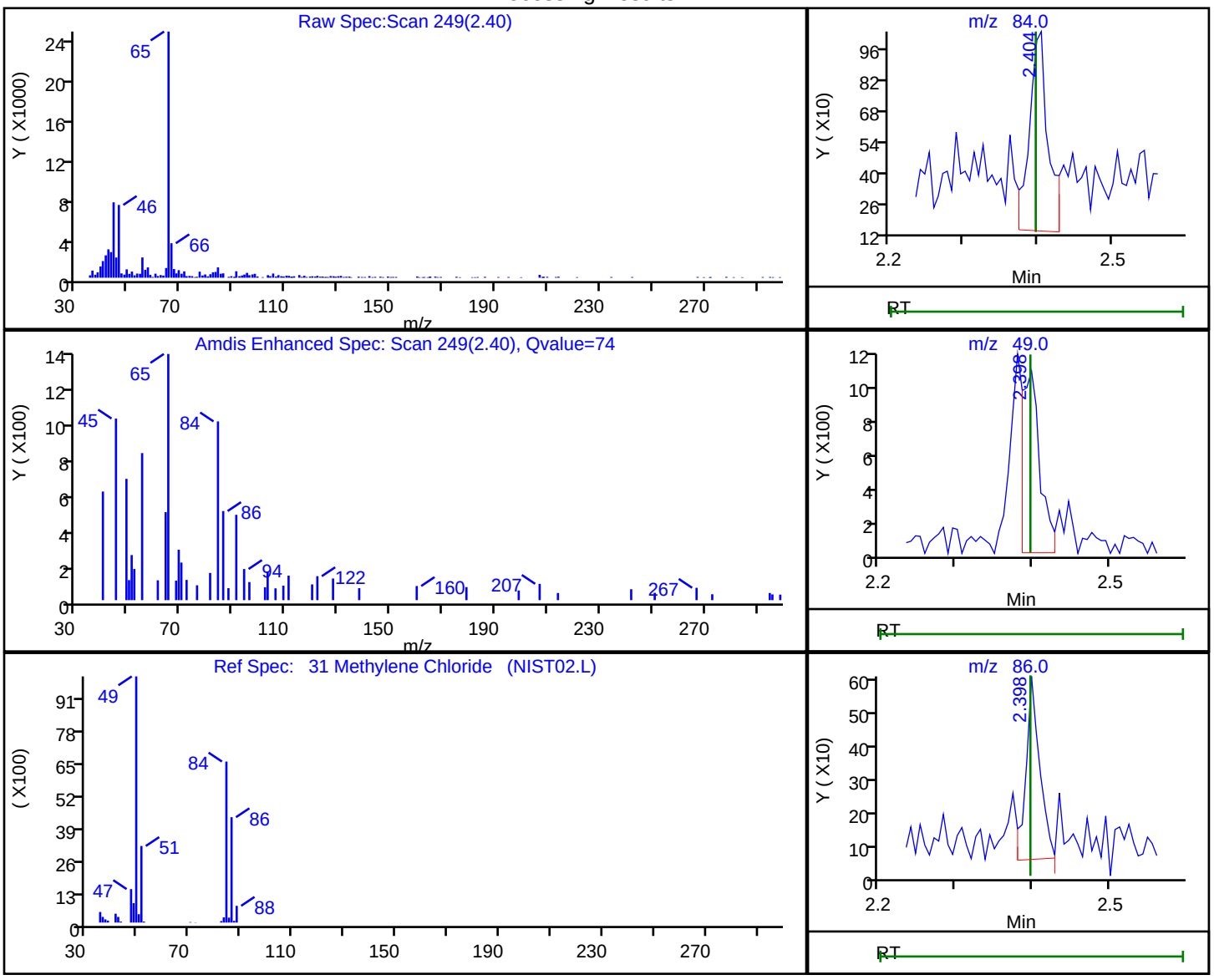
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
2.40	84.00	1610	0.678183
2.40	49.00	1726	
2.40	86.00	695	

Reviewer: HVW2, 03-Apr-2024 23:03:58 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

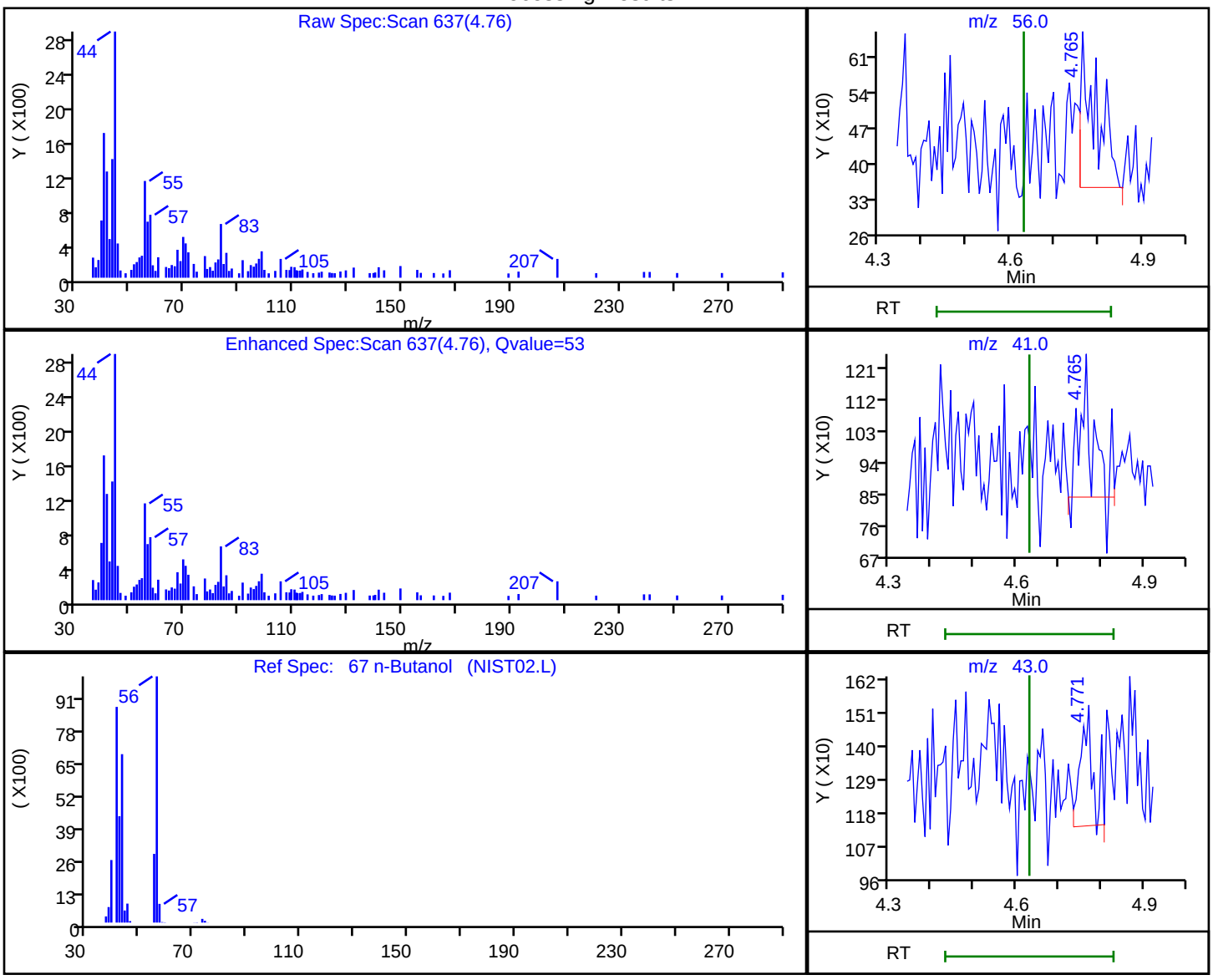
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.76	56.00	753	12.059767
4.76	41.00	812	
4.77	43.00	795	

Reviewer: HVW2, 03-Apr-2024 23:04:42 -04:00:00 (UTC)
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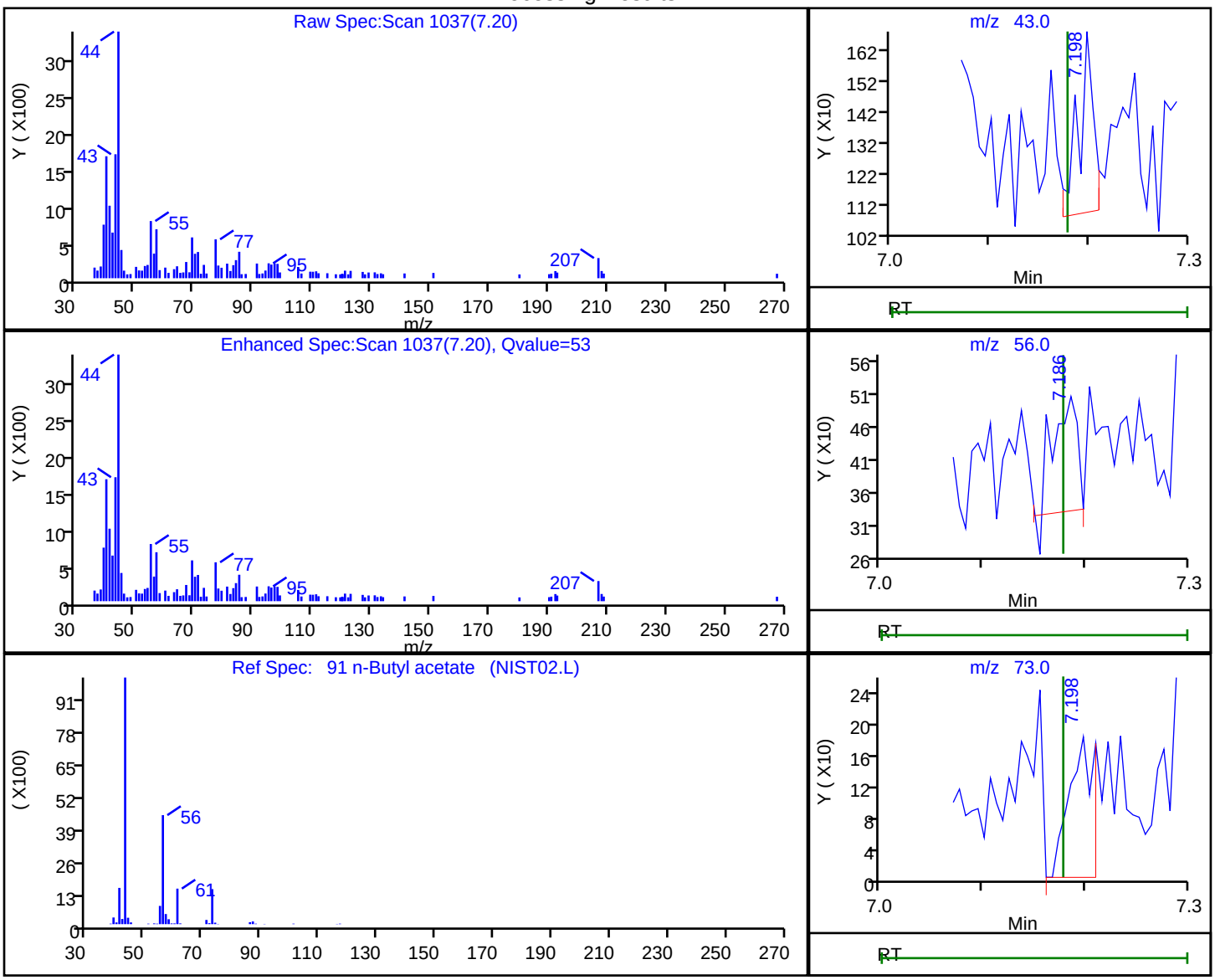
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

91 n-Butyl acetate, CAS: 123-86-4

Processing Results



RT	Mass	Response	Amount
7.20	43.00	645	0.141704
7.19	56.00	272	
7.20	73.00	308	

Reviewer: HVW2, 03-Apr-2024 23:05:03 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

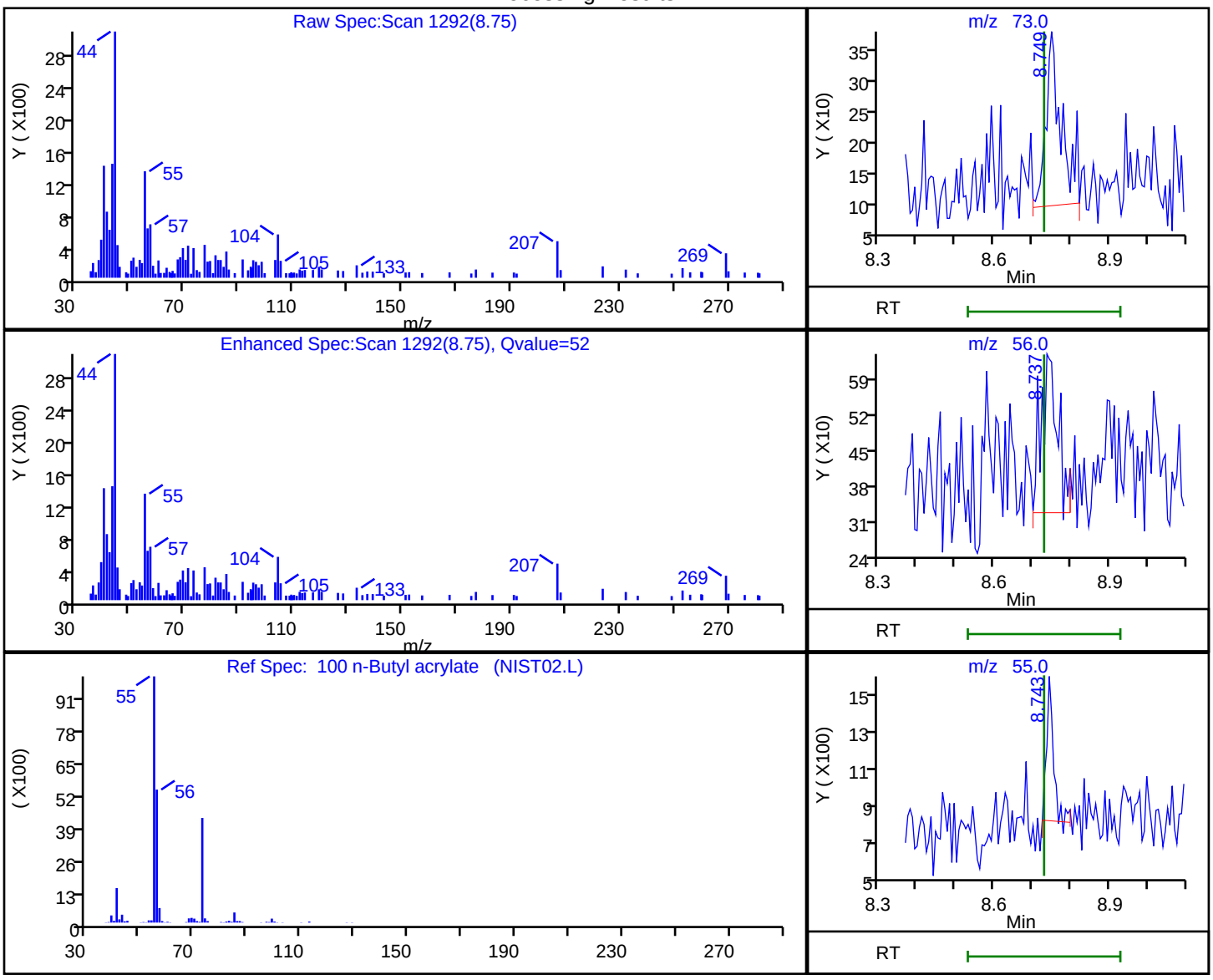
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

100 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
8.75	73.00	780	0.339616
8.74	56.00	952	
8.74	55.00	902	

Reviewer: HVW2, 03-Apr-2024 23:05:13 -04:00:00 (UTC)
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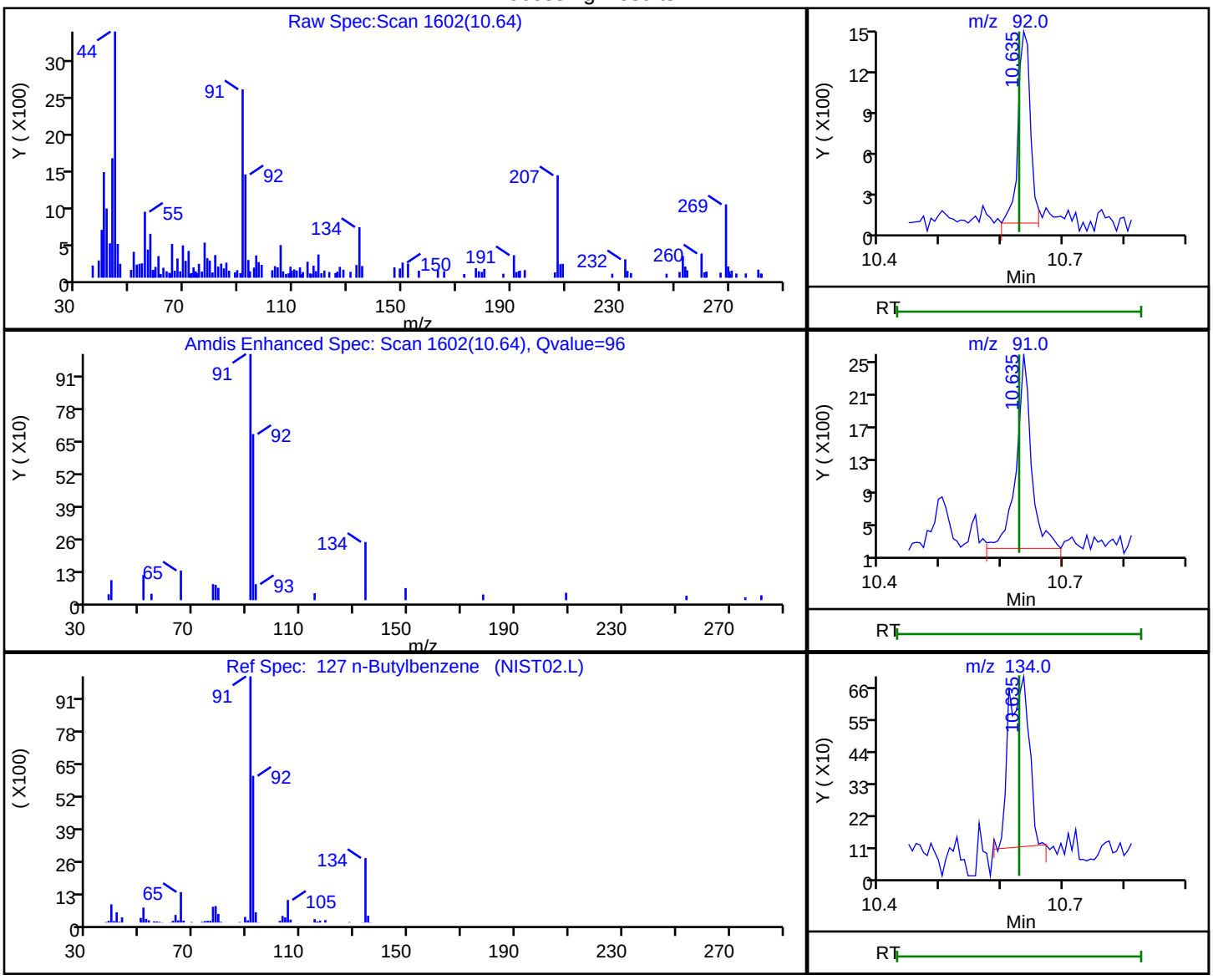
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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

127 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
10.64	92.00	1916	0.460000
10.64	91.00	4088	
10.64	134.00	1358	

Reviewer: HVW2, 03-Apr-2024 23:05:49 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

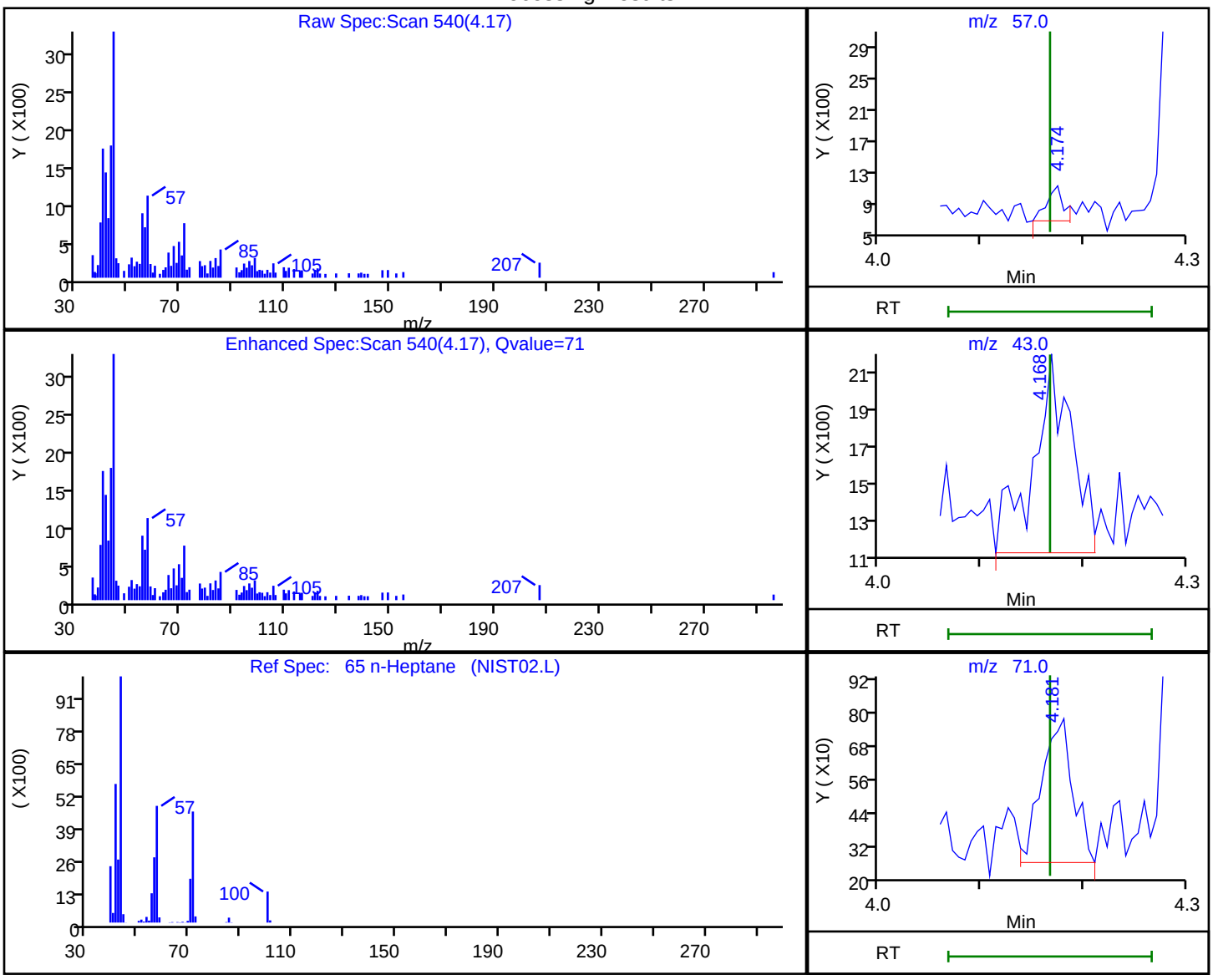
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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.17	57.00	518	0.450226
4.17	43.00	2852	
4.18	71.00	1114	

Reviewer: HVW2, 03-Apr-2024 23:04:36 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

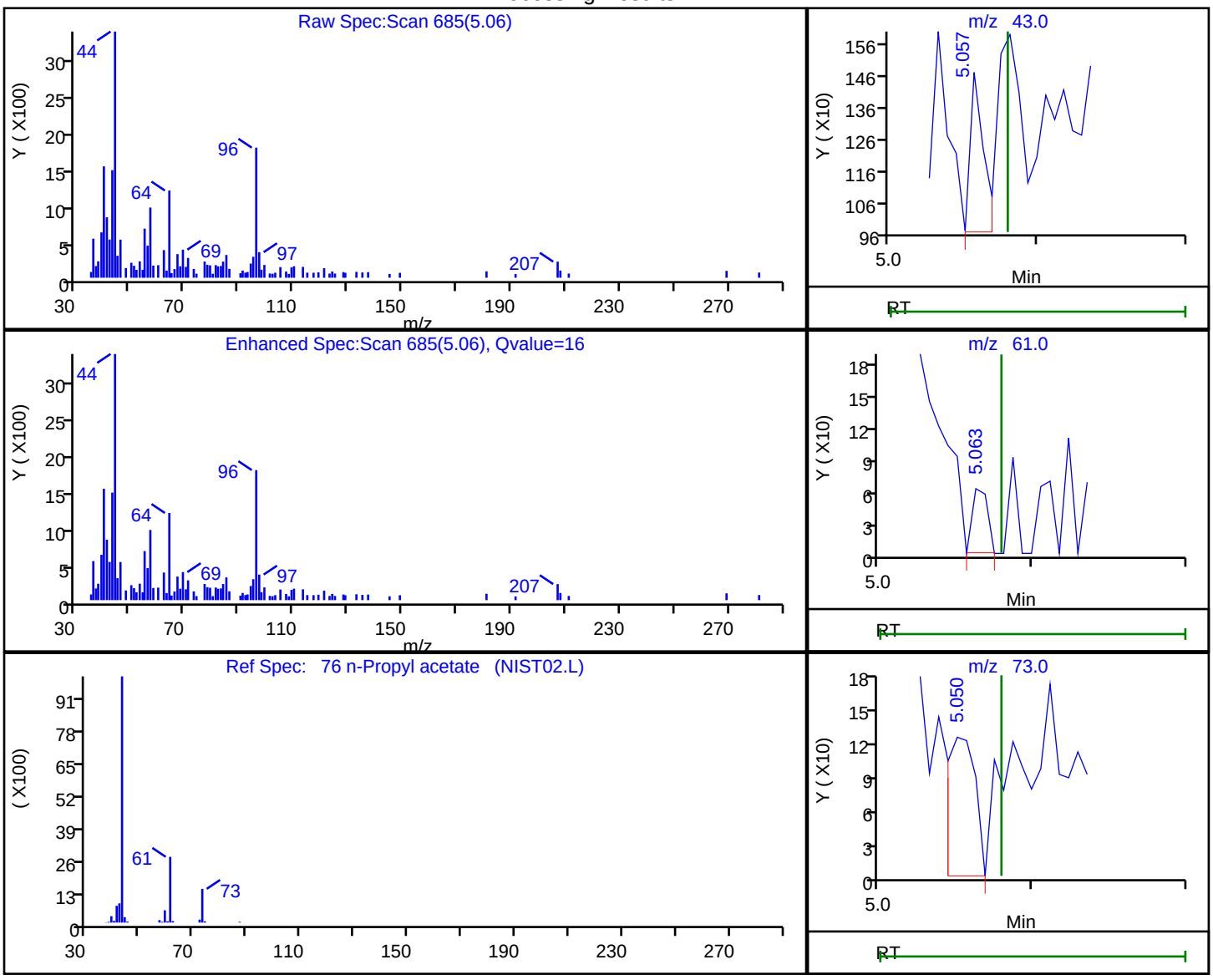
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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

76 n-Propyl acetate, CAS: 109-60-4

Processing Results



RT	Mass	Response	Amount
5.06	43.00	322	0.085729
5.06	61.00	42	
5.05	73.00	158	

Reviewer: HVW2, 03-Apr-2024 23:04:45 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

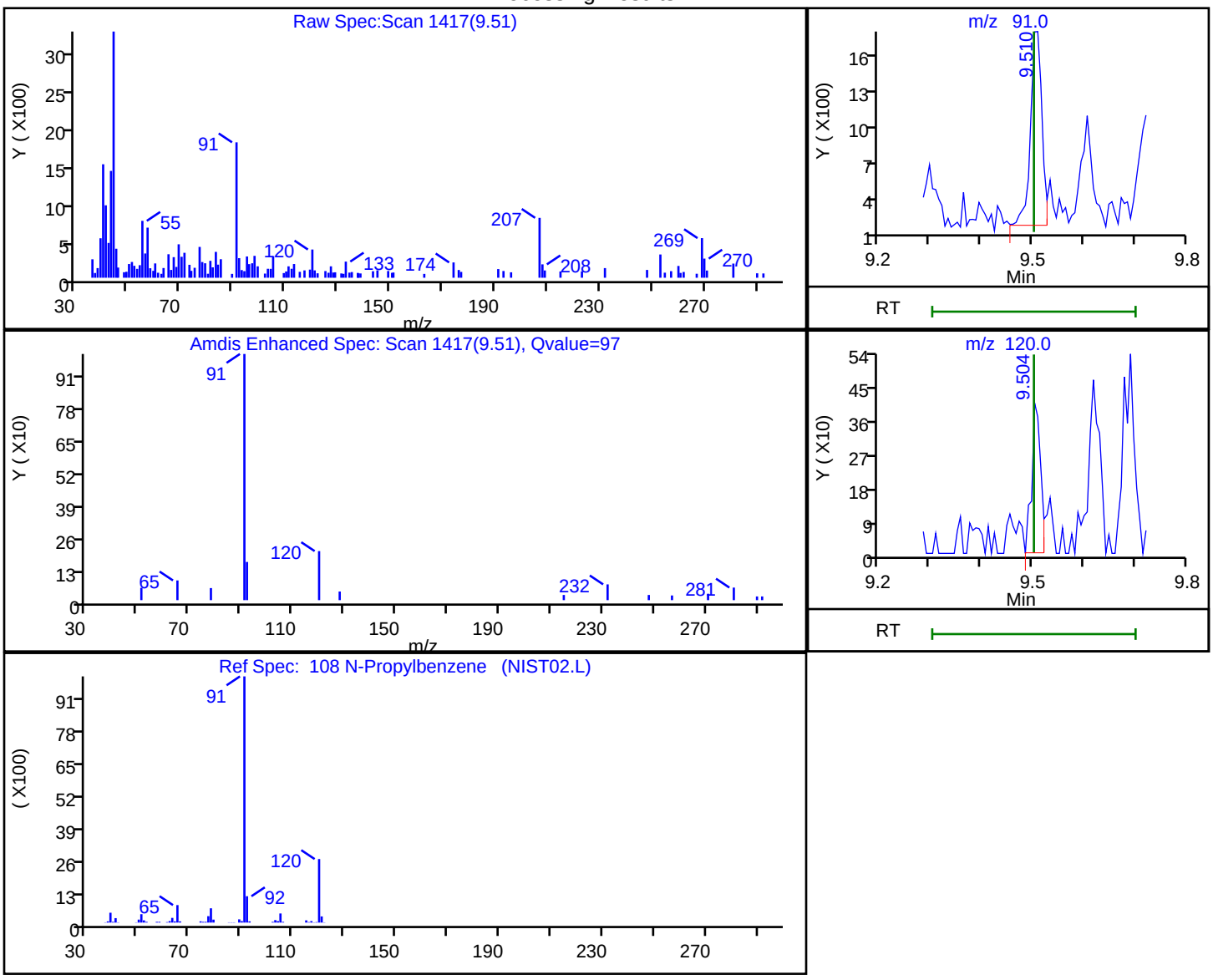
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

108 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
9.51	91.00	2495	0.199948
9.50	120.00	501	

Reviewer: HVW2, 03-Apr-2024 23:05:22 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

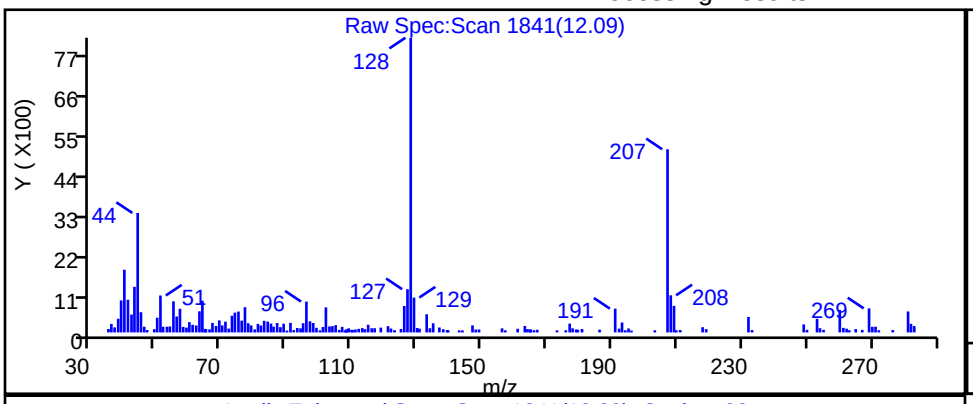
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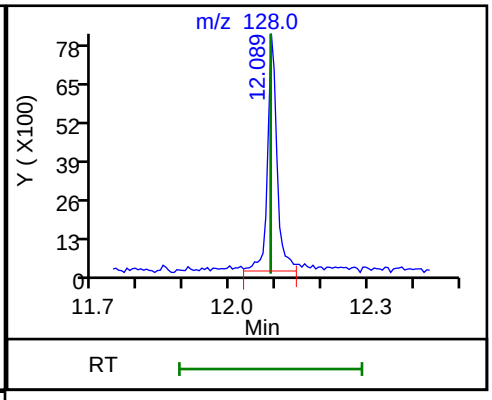
Eurofins Edison

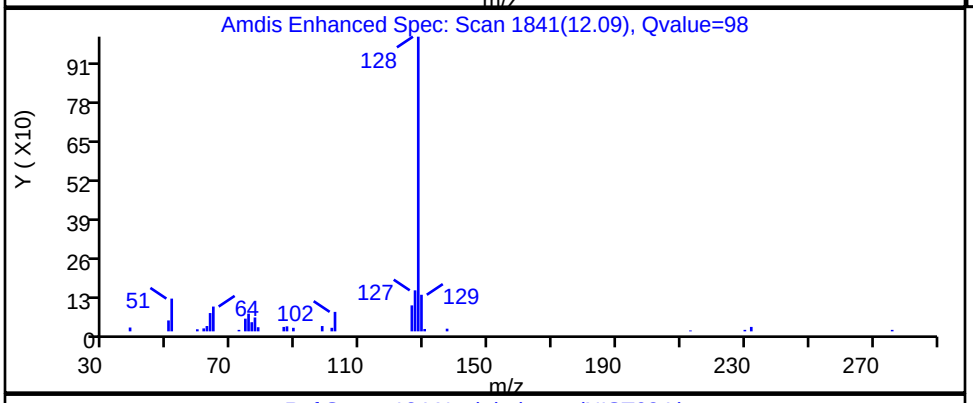
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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

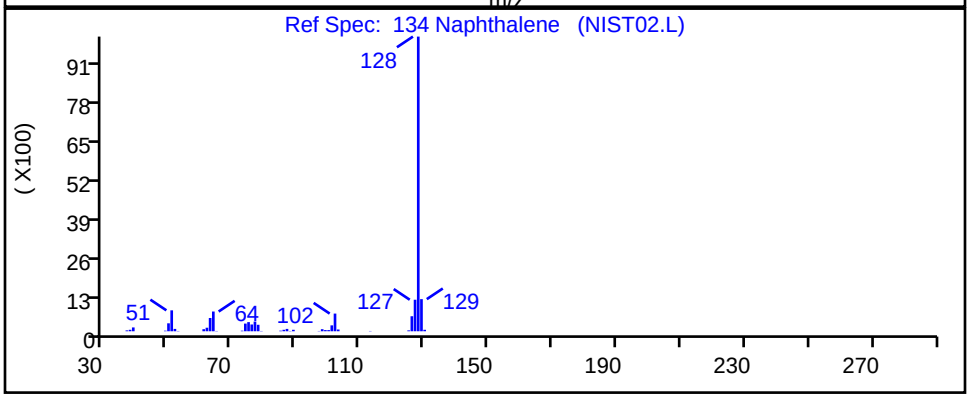
134 Naphthalene, CAS: 91-20-3

Processing Results









RT	Mass	Response	Amount
12.09	128.00	11326	1.229210

Reviewer: HVW2, 03-Apr-2024 23:05:59 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

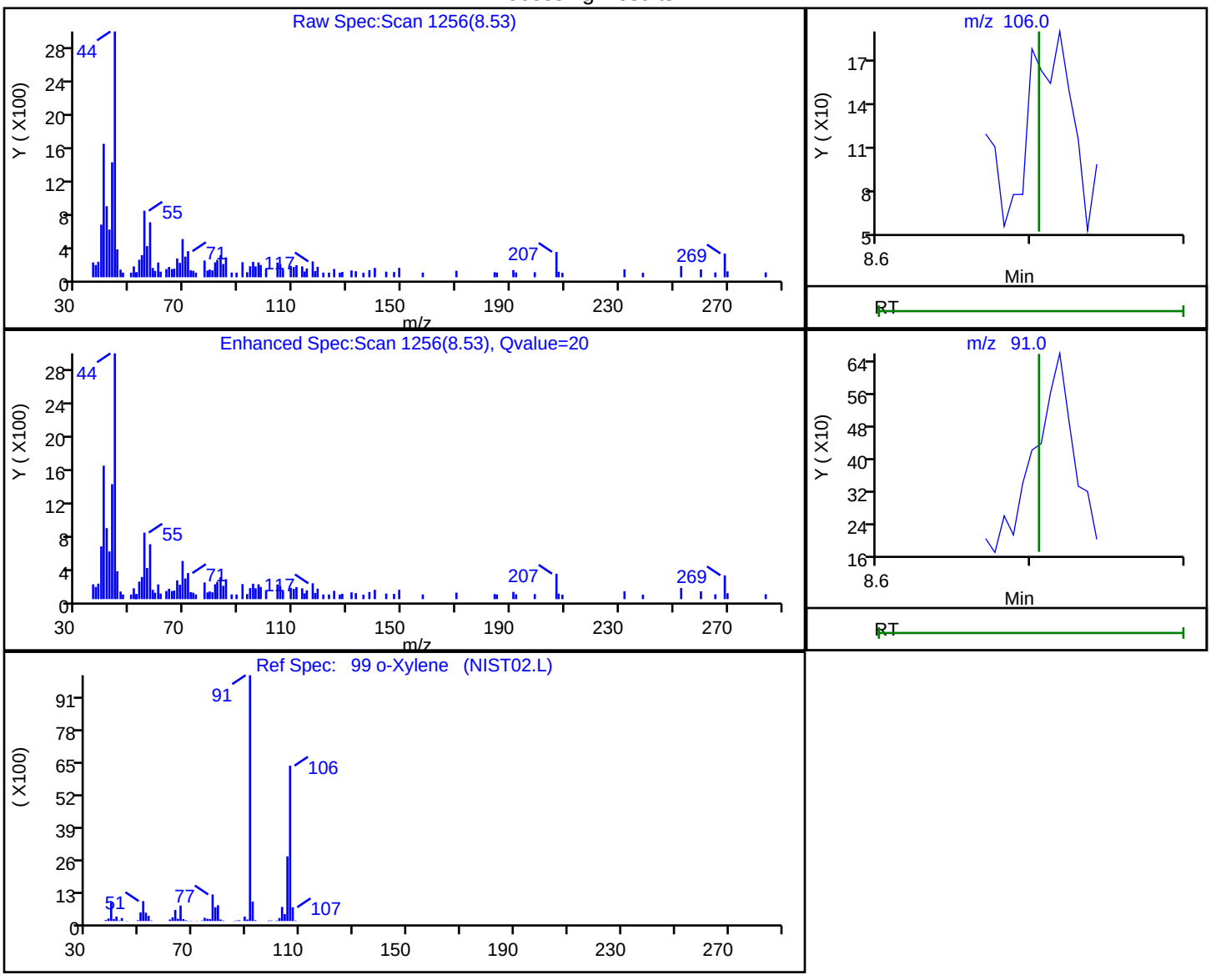
User Disabled Compound Report

Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
8.53	106.00	34	0.007422
8.52	91.00	109	

Reviewer: HVW2, 03-Apr-2024 23:05:12 -04:00:00 (UTC)
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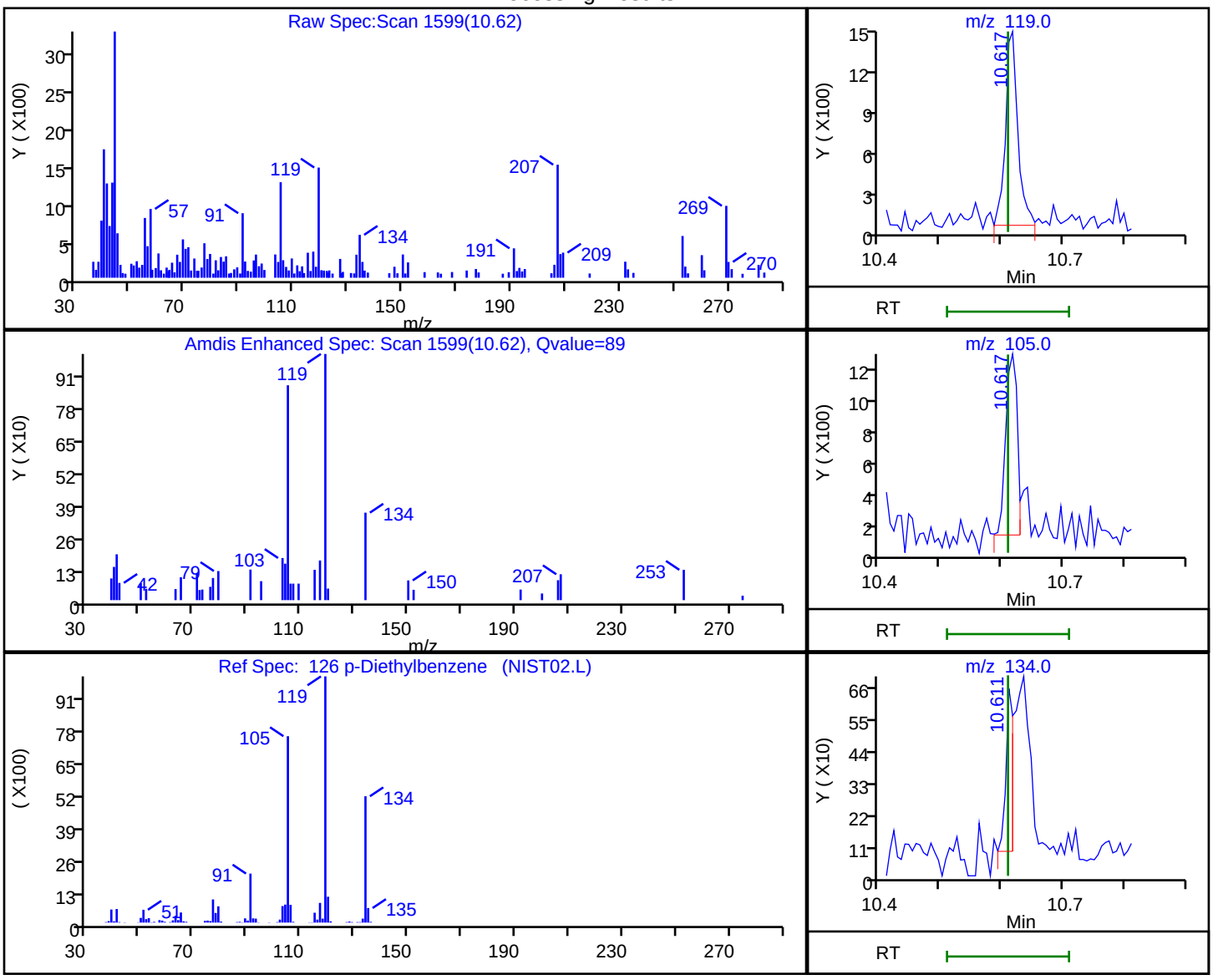
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

126 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
10.62	119.00	1853	0.376219
10.62	105.00	1363	
10.61	134.00	470	

Reviewer: HVW2, 03-Apr-2024 23:05:47 -04:00:00 (UTC)
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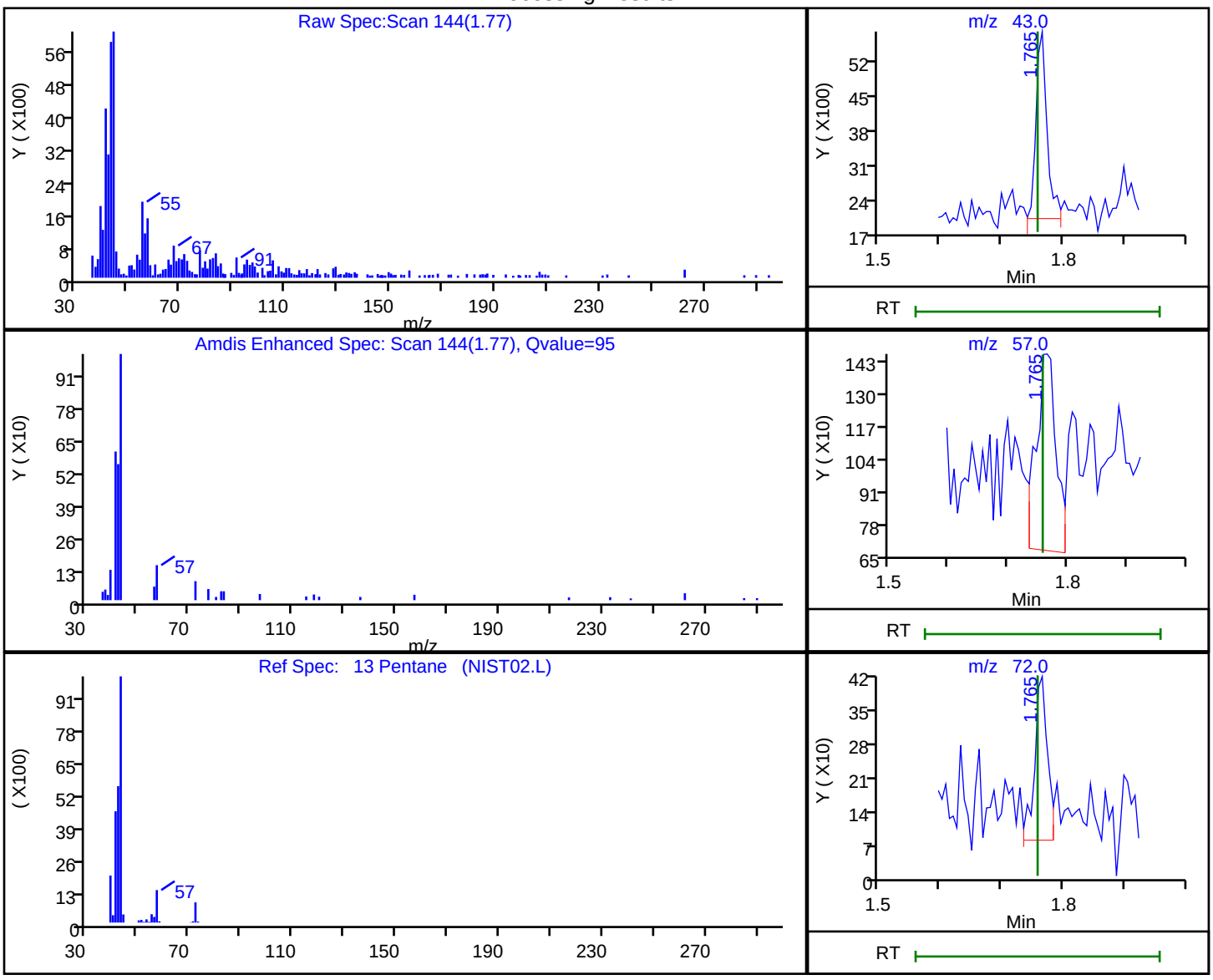
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
1.77	43.00	4710	1.245644
1.77	57.00	1888	
1.77	72.00	501	

Reviewer: HVW2, 03-Apr-2024 23:03:37 -04:00:00 (UTC)
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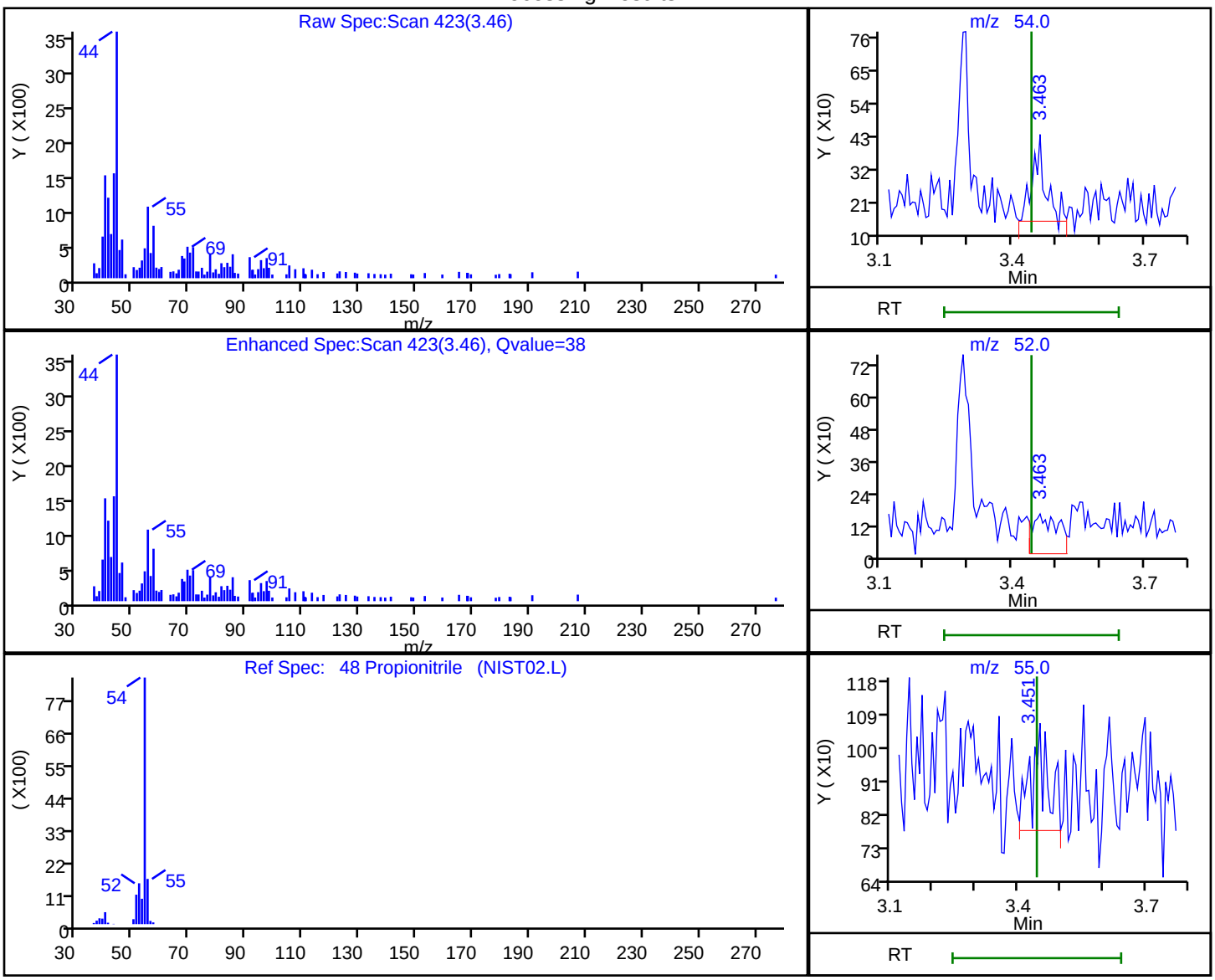
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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
3.46	54.00	564	1.317757
3.46	52.00	608	
3.45	55.00	777	

Reviewer: HVW2, 03-Apr-2024 23:04:18 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

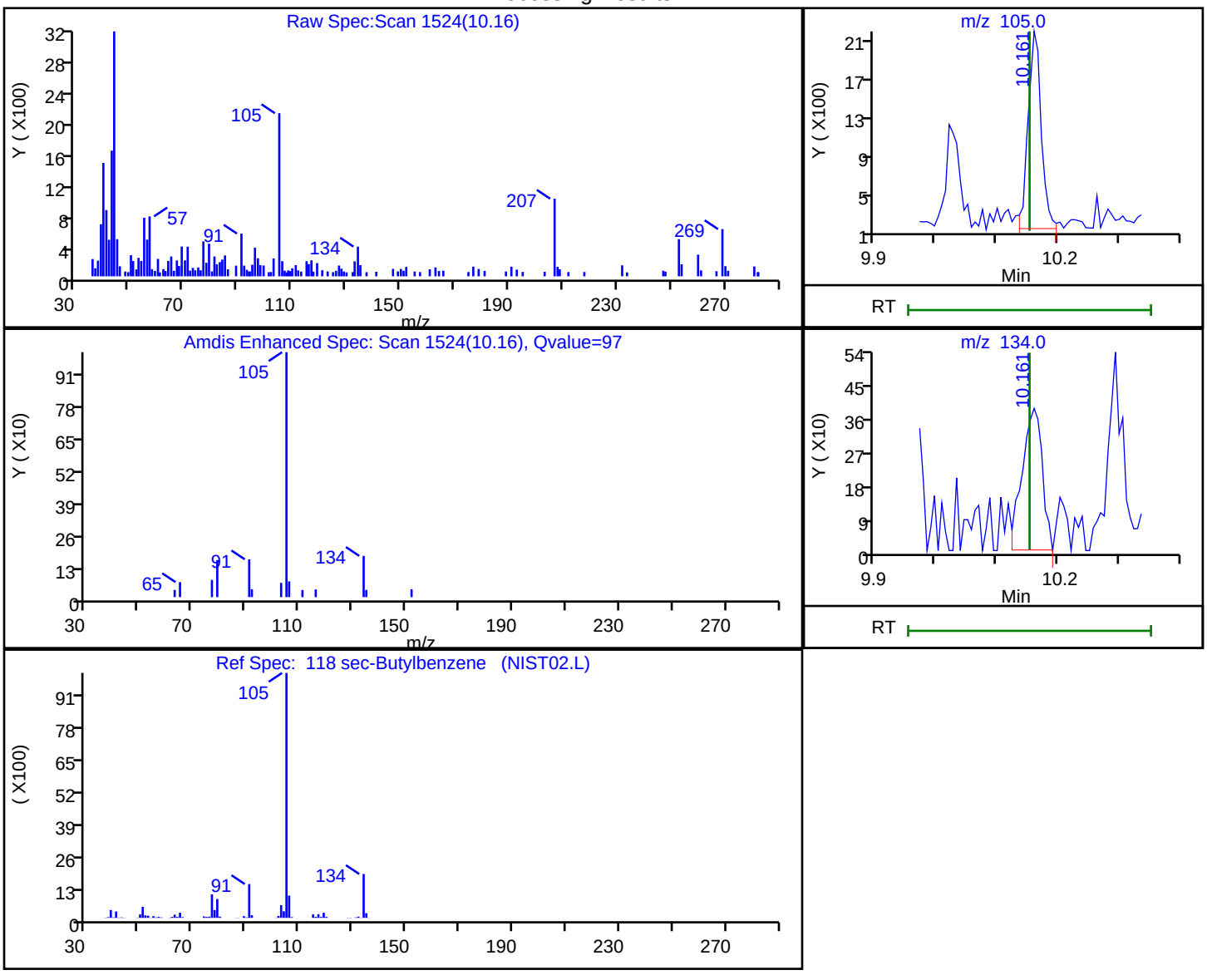
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Eurofins Edison

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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

118 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
10.16	105.00	3015	0.307438
10.16	134.00	894	

Reviewer: HVW2, 03-Apr-2024 23:05:37 -04:00:00 (UTC)
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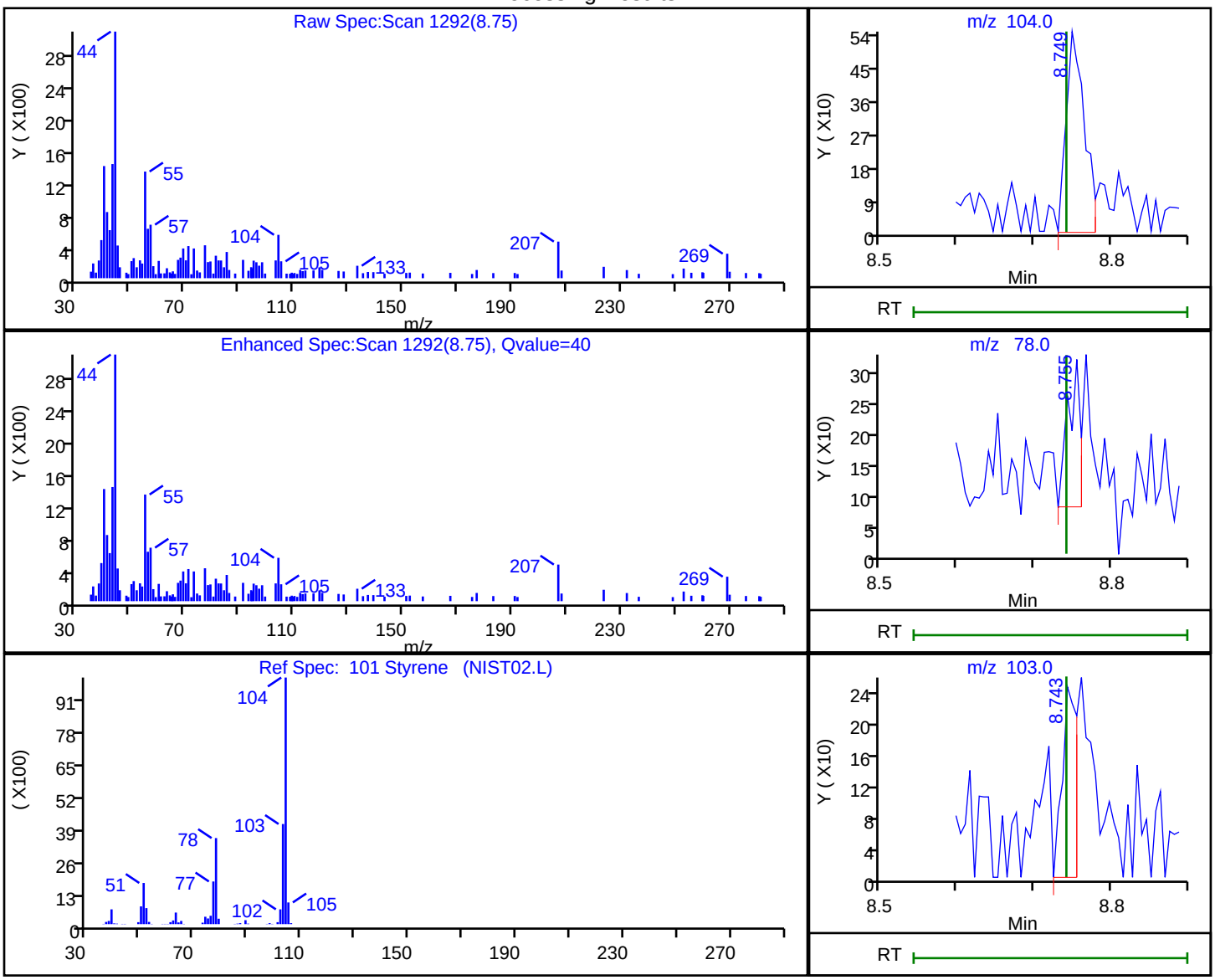
User Disabled Compound Report

Eurofins Edison

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Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

101 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
8.75	104.00	903	0.114797
8.76	78.00	275	
8.74	103.00	322	

Reviewer: HVW2, 03-Apr-2024 23:05:14 -04:00:00 (UTC)
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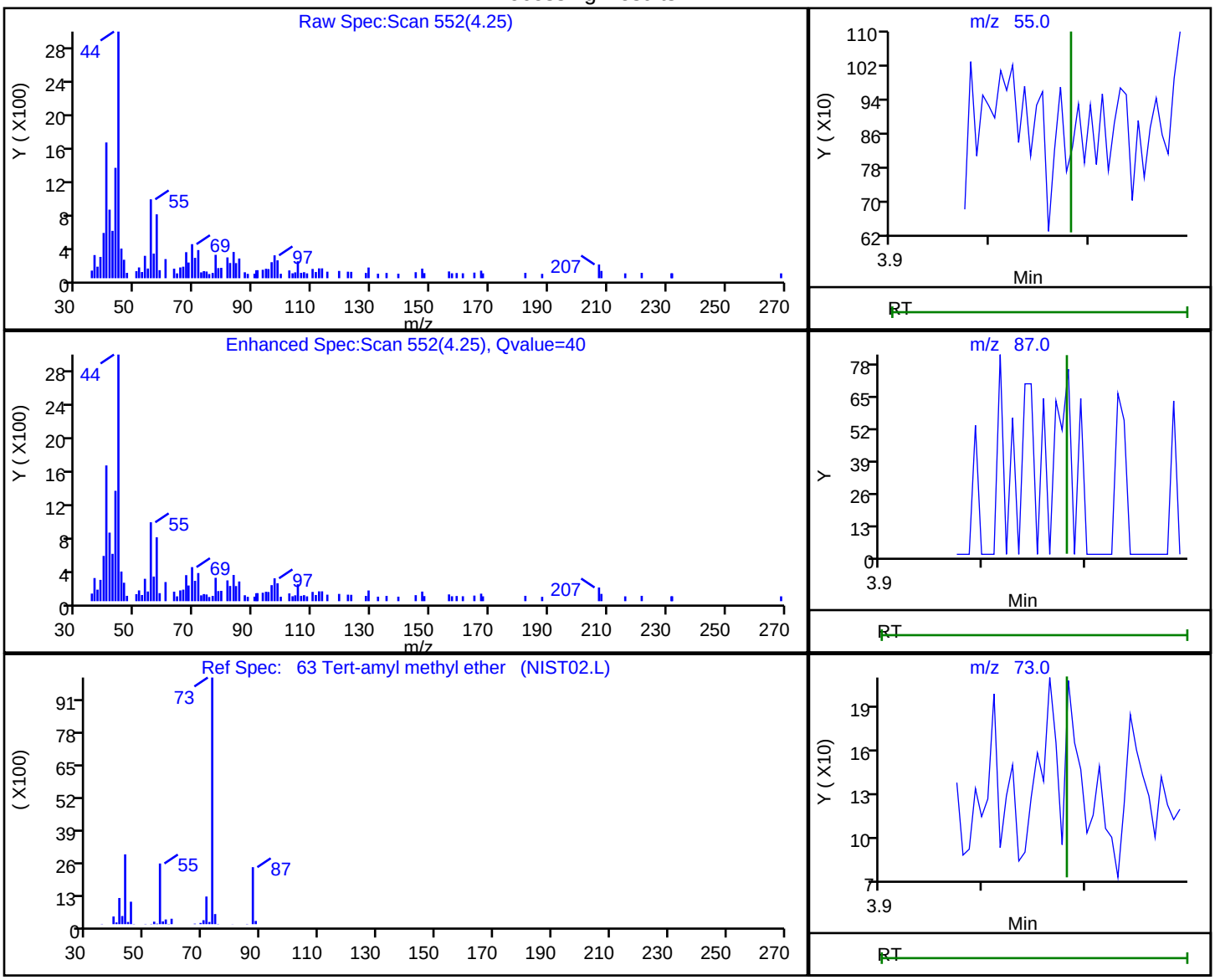
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

63 Tert-amyl methyl ether, CAS: 994-05-8

Processing Results



RT	Mass	Response	Amount
4.25	55.00	207	0.119894
4.24	87.00	169	
4.25	73.00	133	

Reviewer: HVW2, 03-Apr-2024 23:04:34 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

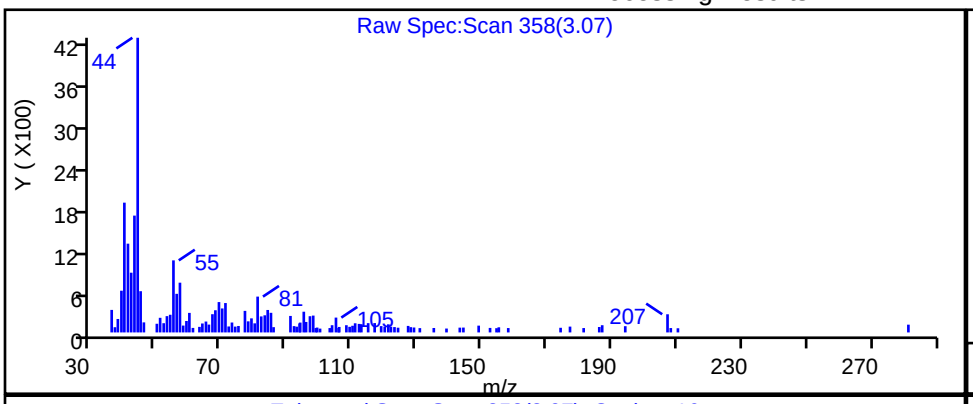
User Disabled Compound Report

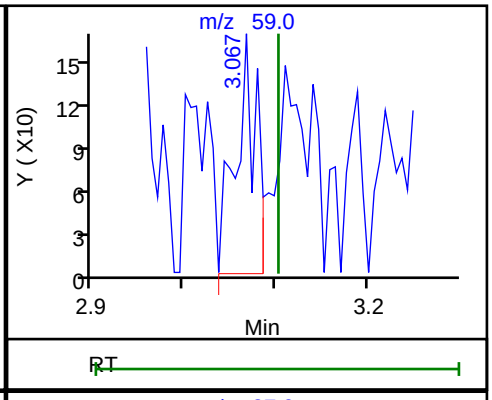
Eurofins Edison

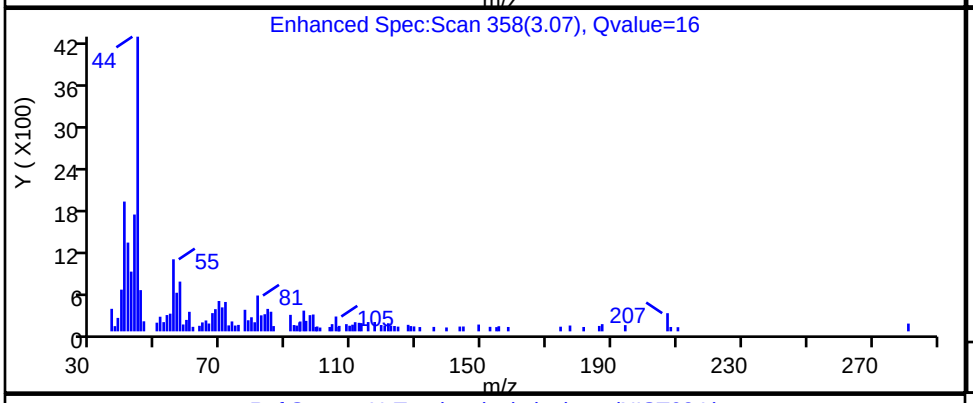
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

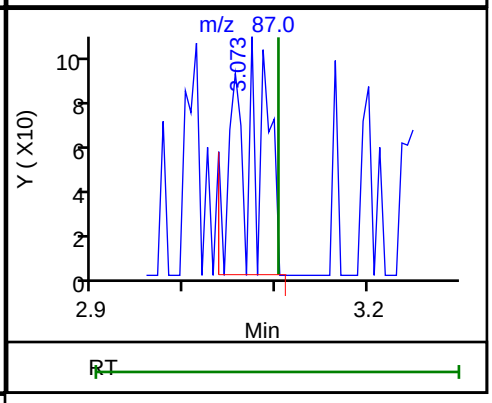
41 Tert-butyl ethyl ether, CAS: 637-92-3

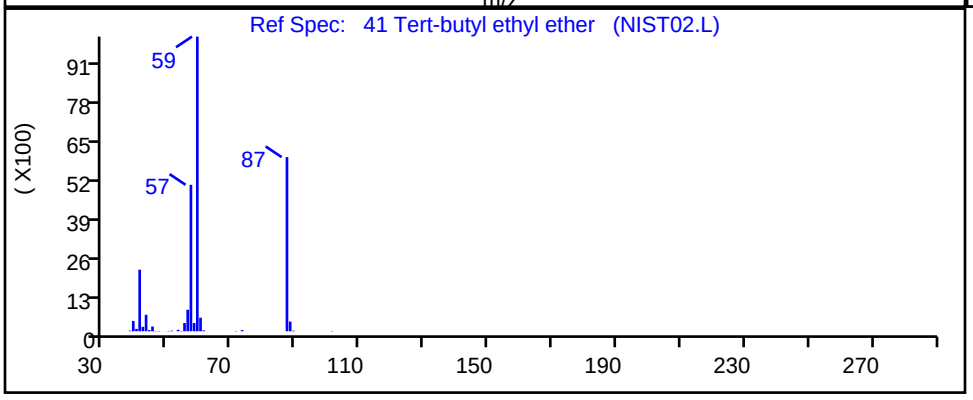
Processing Results











RT	Mass	Response	Amount
3.07	59.00	257	0.033991
3.07	87.00	233	

Reviewer: HVW2, 03-Apr-2024 23:04:12 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

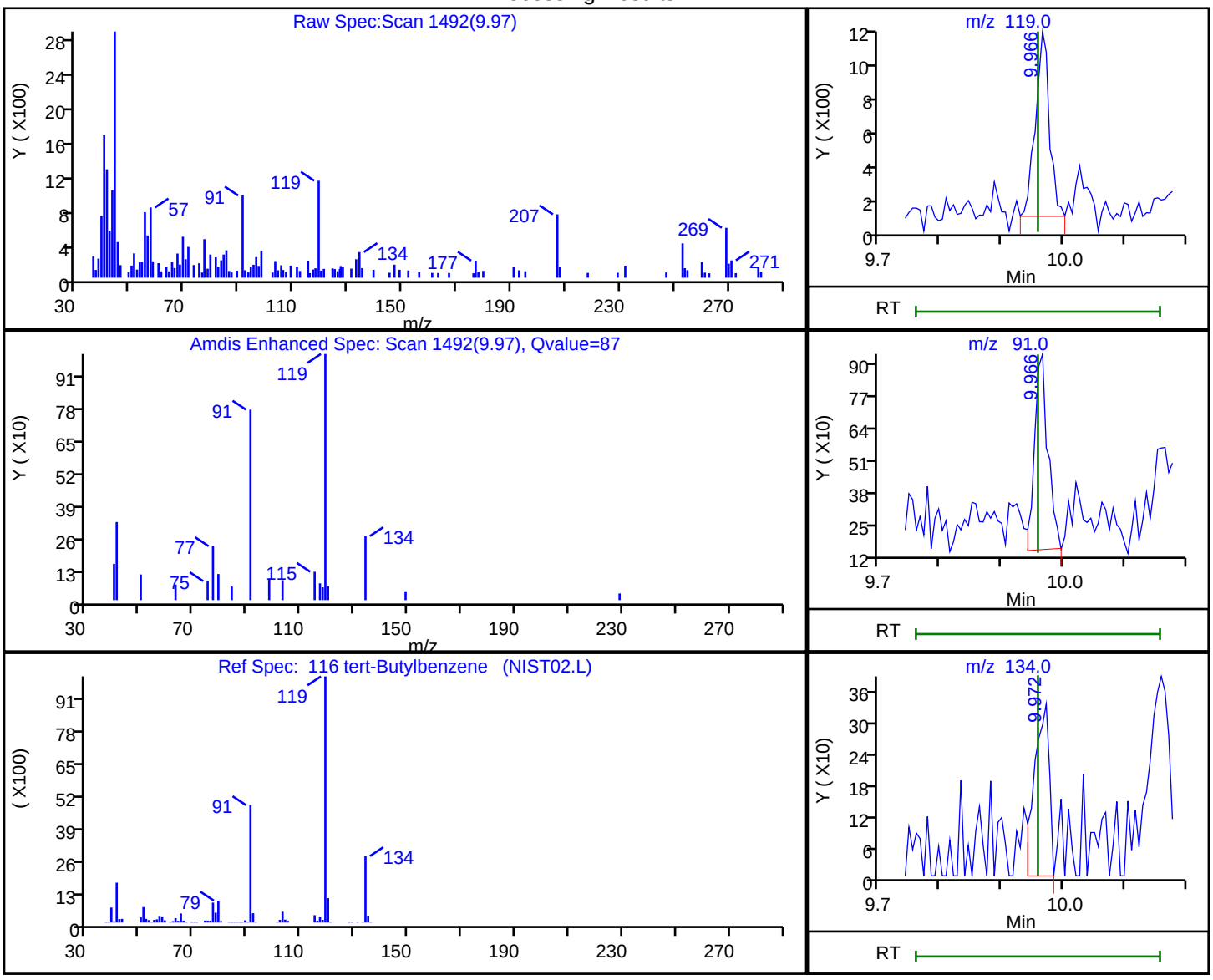
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

116 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
9.97	119.00	1614	0.239571
9.97	91.00	1207	
9.97	134.00	562	

Reviewer: HVW2, 03-Apr-2024 23:05:32 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

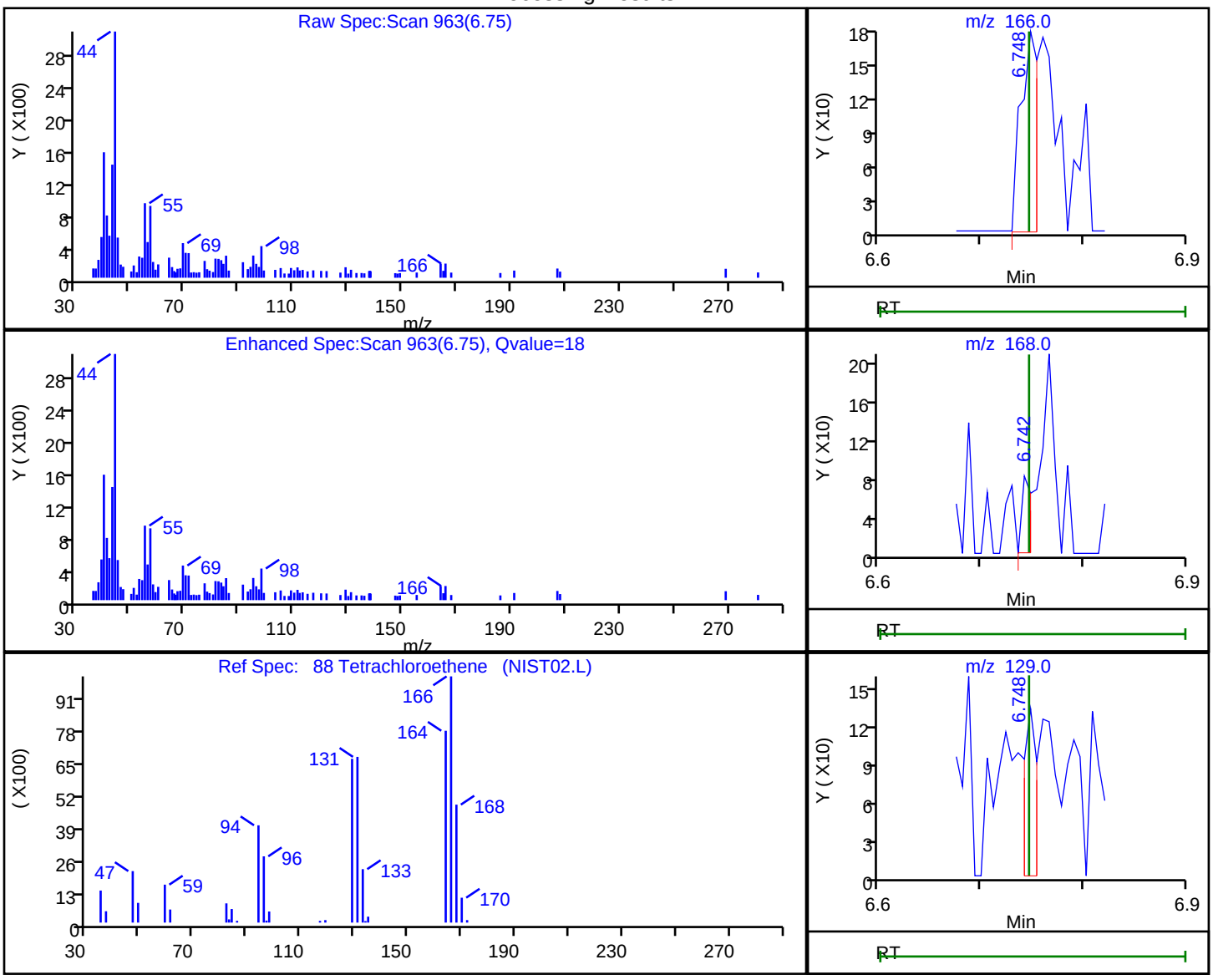
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
6.75	166.00	199	0.068945
6.74	168.00	53	
6.75	129.00	112	

Reviewer: HVW2, 03-Apr-2024 23:05:00 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

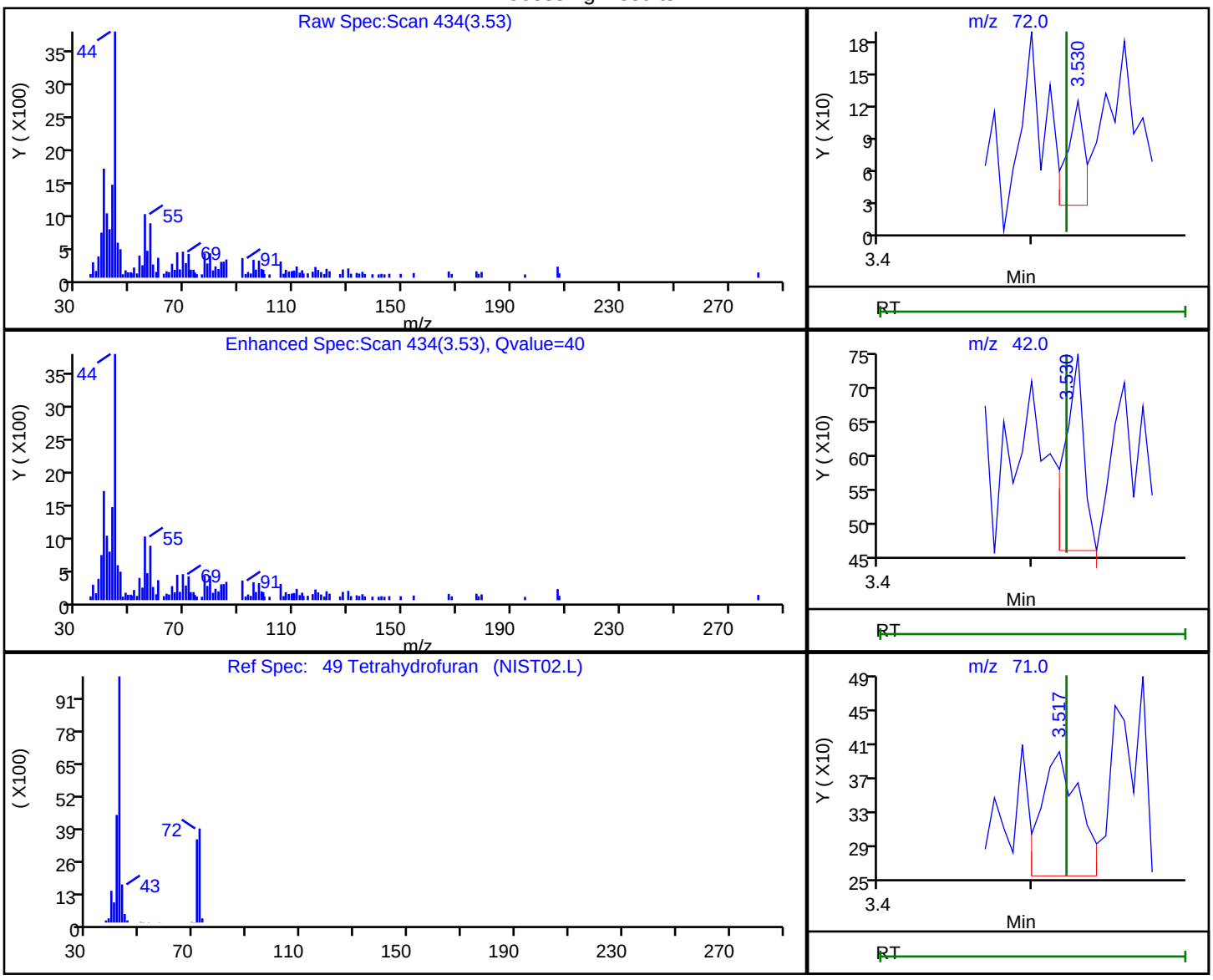
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
3.53	72.00	80	0.273009
3.53	42.00	242	
3.52	71.00	245	

Reviewer: HVW2, 03-Apr-2024 23:04:20 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

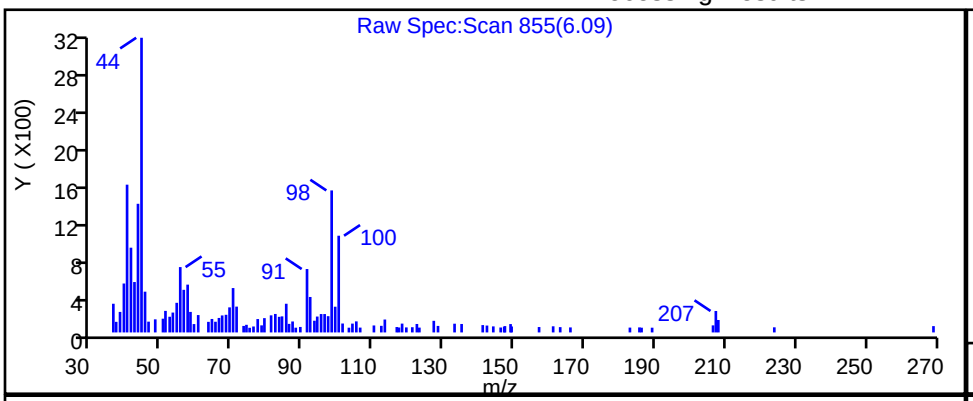
User Disabled Compound Report

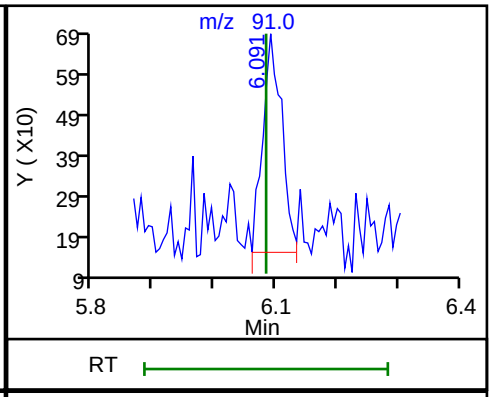
Eurofins Edison

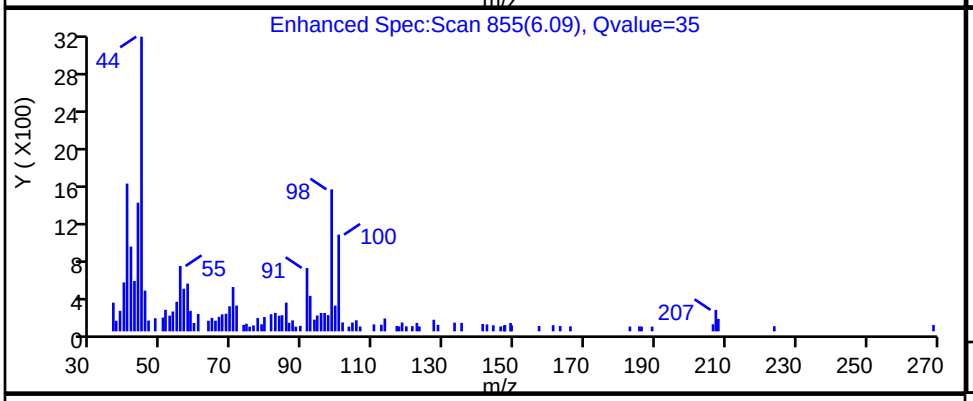
Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D				
Injection Date:	03-Apr-2024 22:32:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

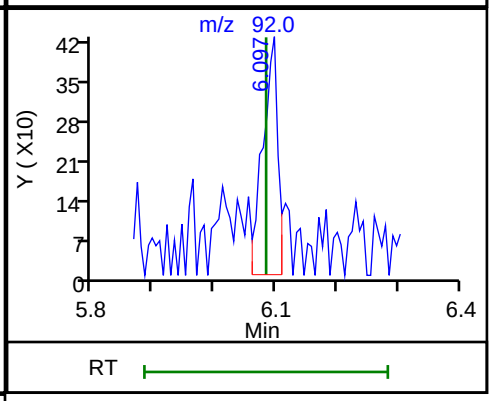
84 Toluene, CAS: 108-88-3

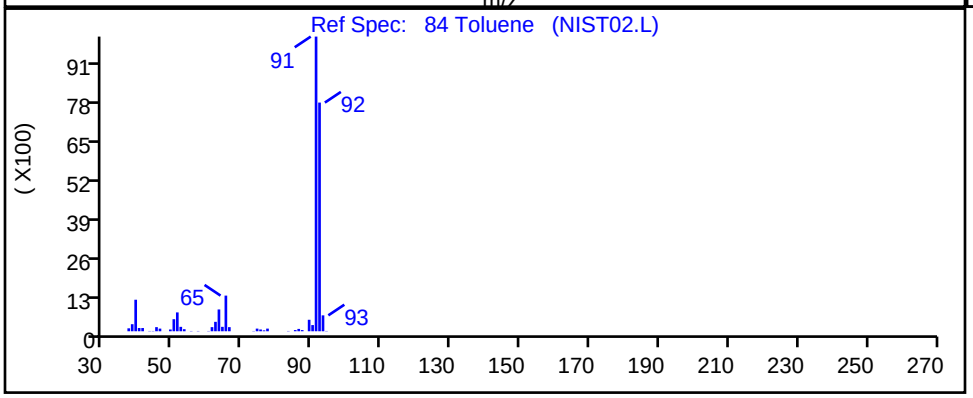
Processing Results











RT	Mass	Response	Amount
6.09	91.00	1164	0.097577
6.10	92.00	741	

Reviewer: HVW2, 03-Apr-2024 23:04:55 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

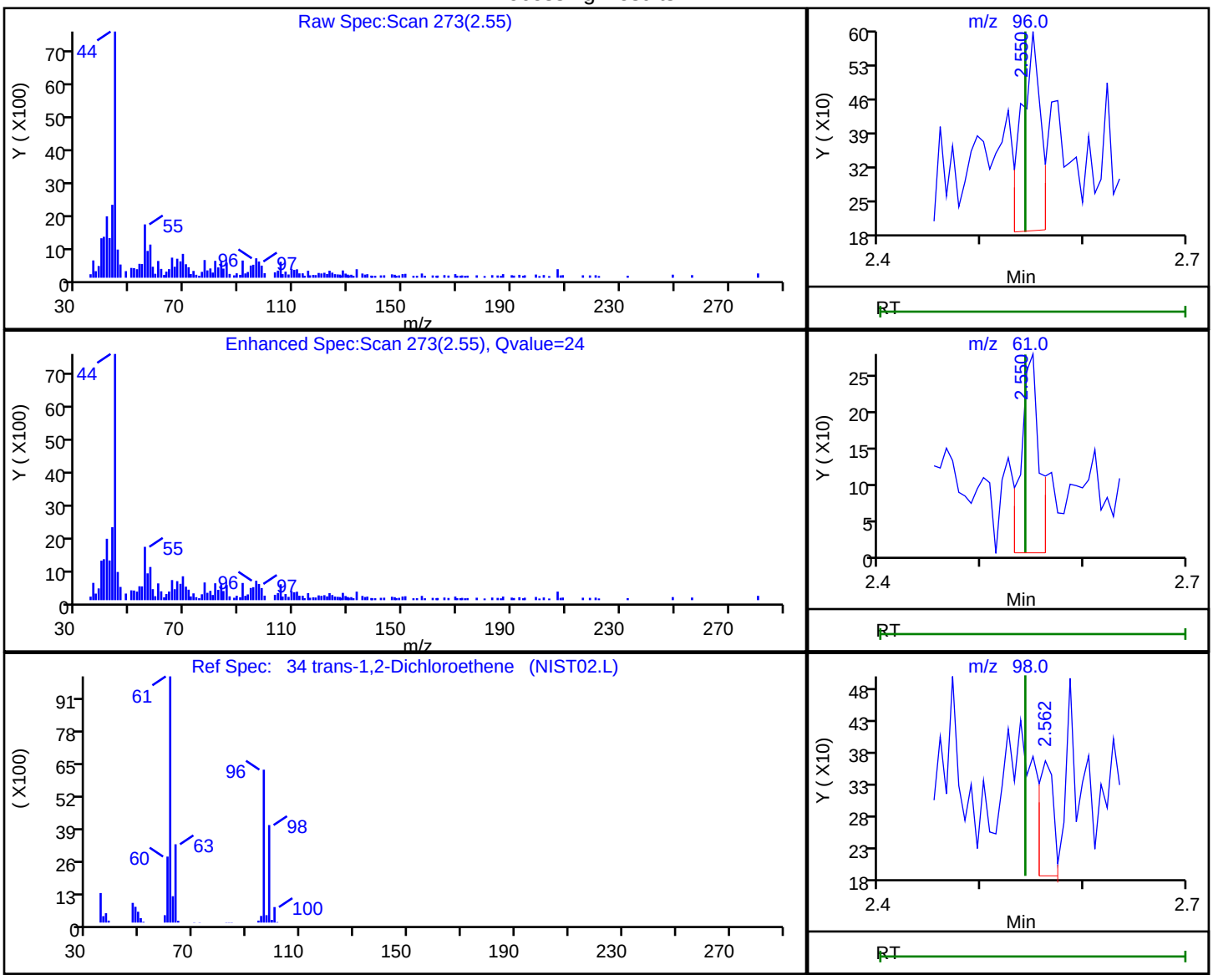
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
2.55	96.00	534	0.200508
2.55	61.00	339	
2.56	98.00	184	

Reviewer: HVW2, 03-Apr-2024 23:04:03 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

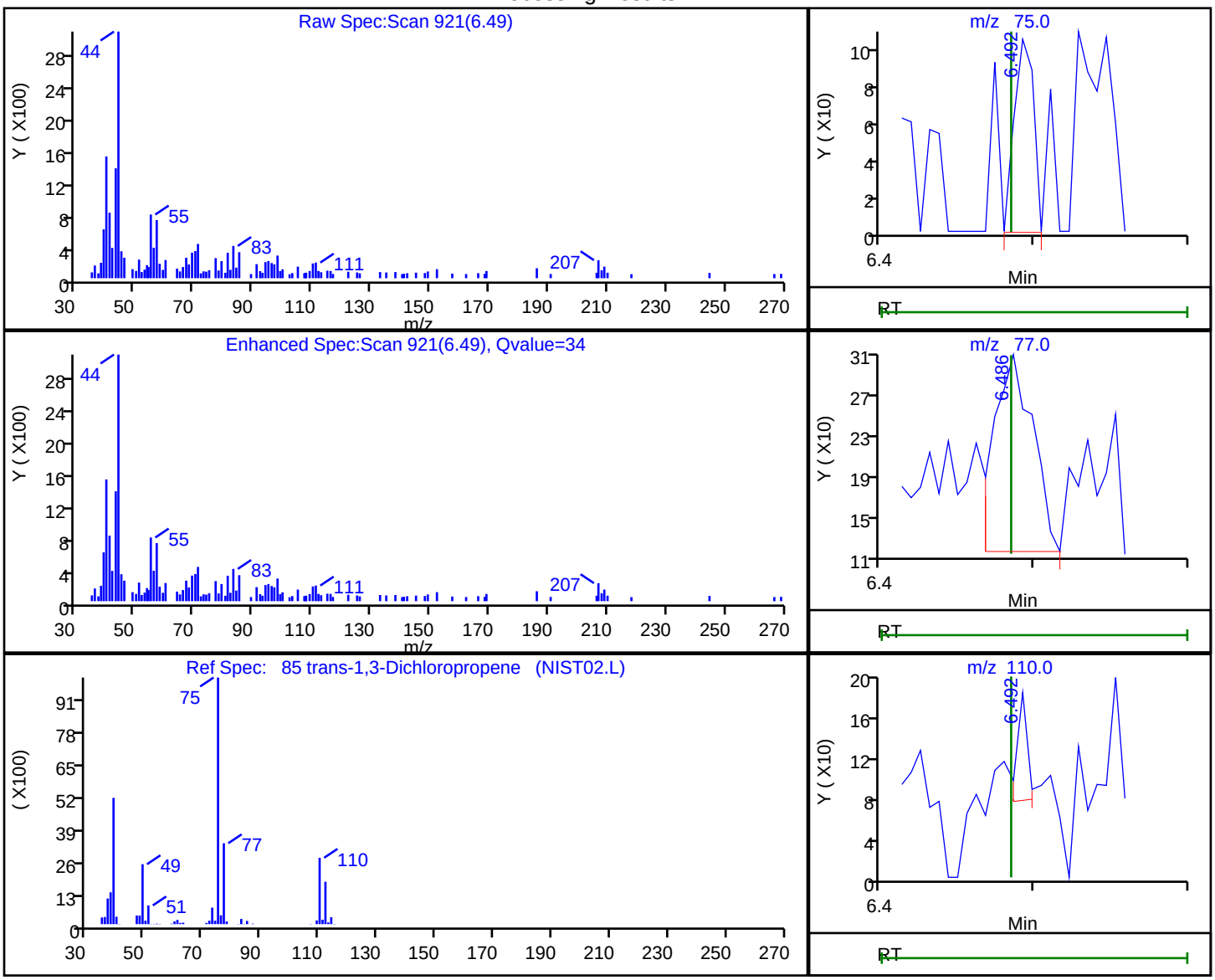
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

85 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
6.49	75.00	88	0.018806
6.49	77.00	338	
6.49	110.00	50	

Reviewer: HVW2, 03-Apr-2024 23:04:57 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

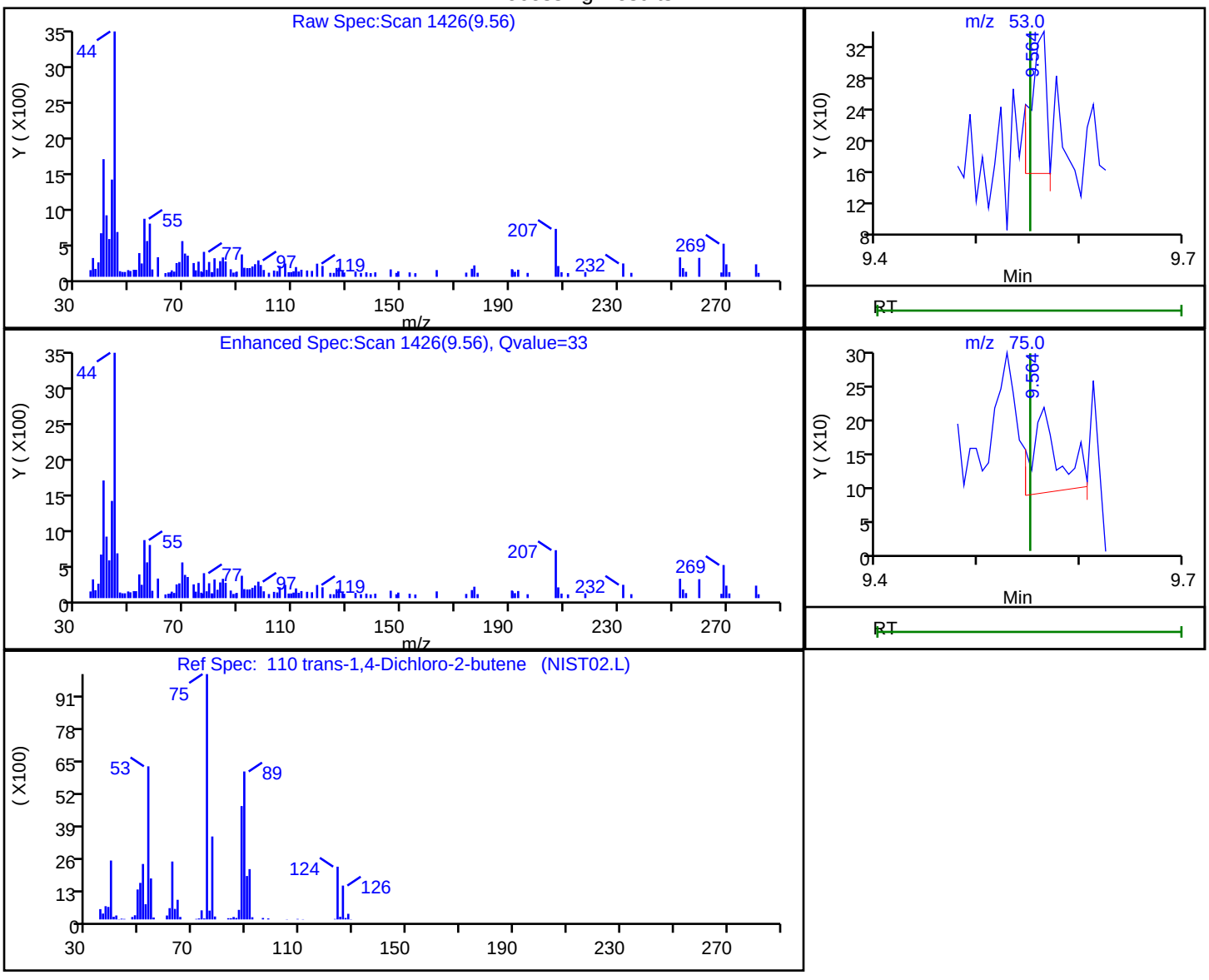
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
9.56	53.00	181	0.857968
9.56	75.00	221	

Reviewer: HVW2, 03-Apr-2024 23:05:26 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

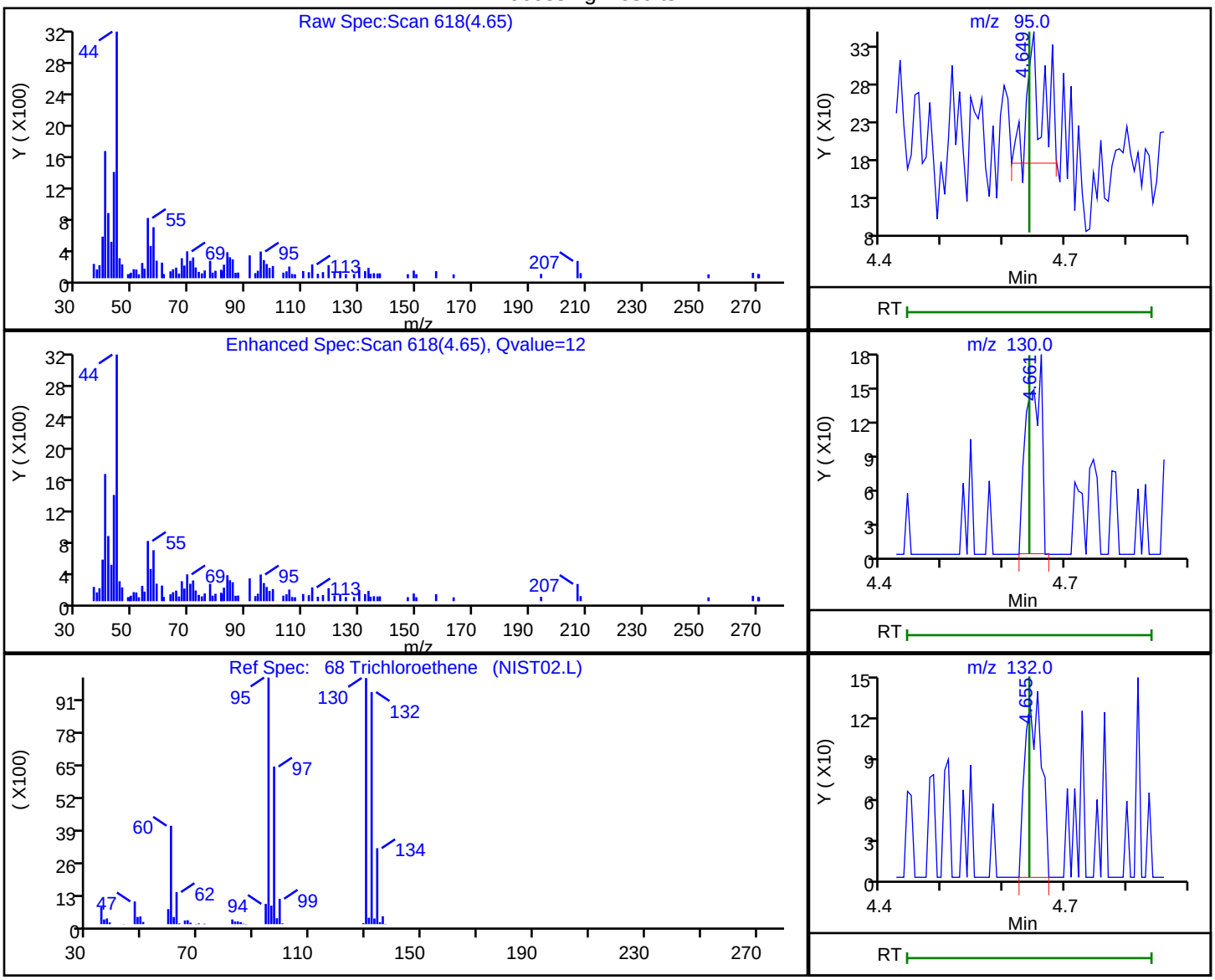
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

68 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
4.65	95.00	299	0.098641
4.66	130.00	285	
4.66	132.00	244	

Reviewer: HVW2, 03-Apr-2024 23:04:37 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

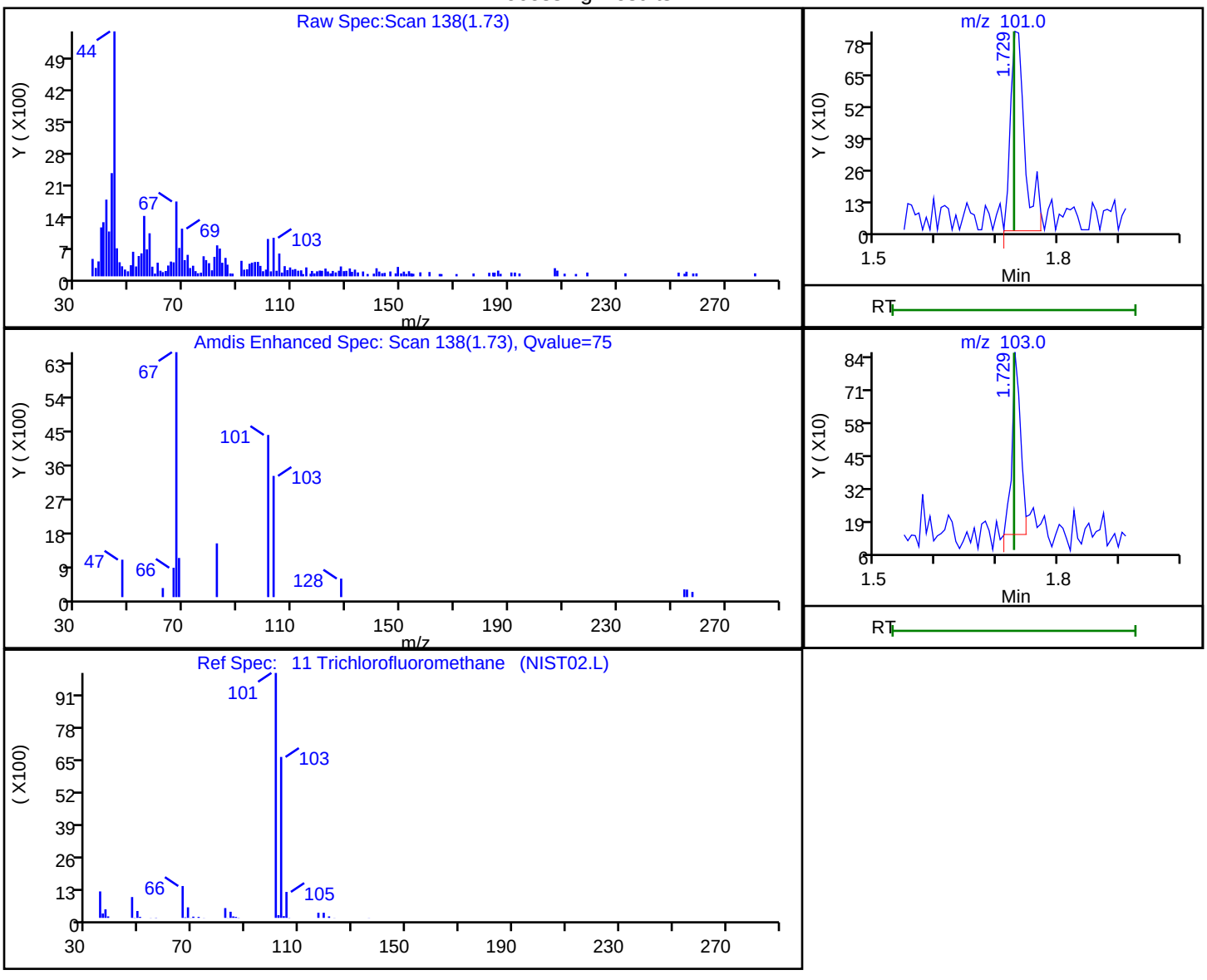
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
1.73	101.00	1336	0.349962
1.73	103.00	717	

Reviewer: HVW2, 03-Apr-2024 23:03:36 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

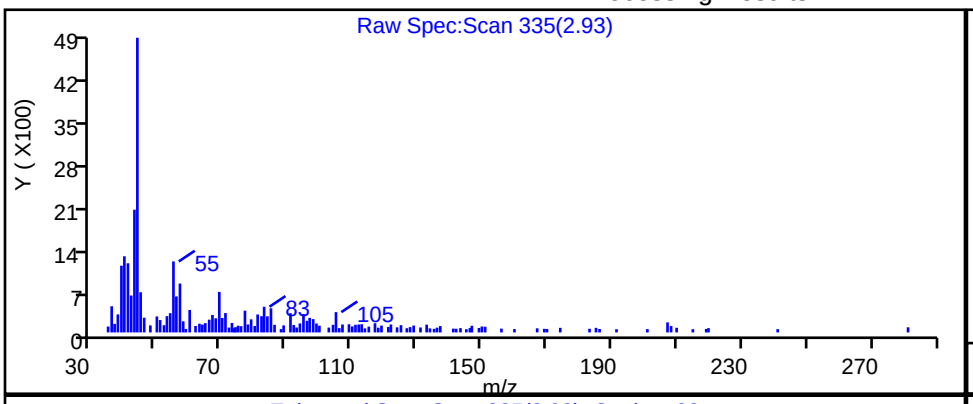
User Disabled Compound Report

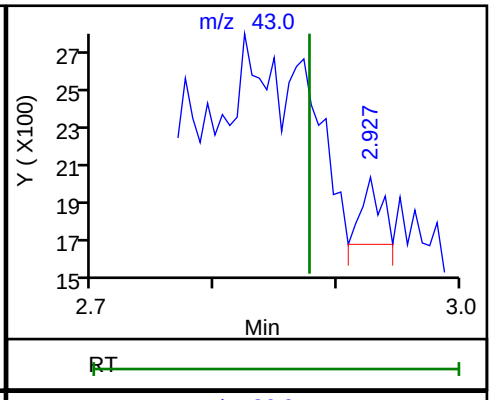
Eurofins Edison

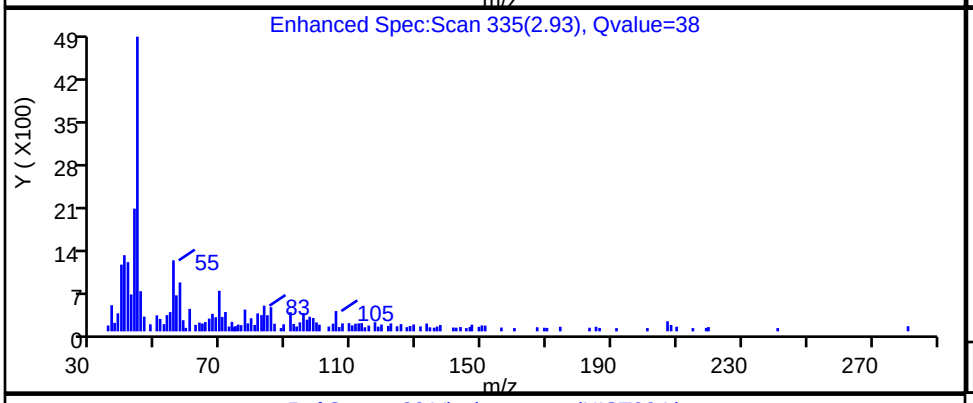
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Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

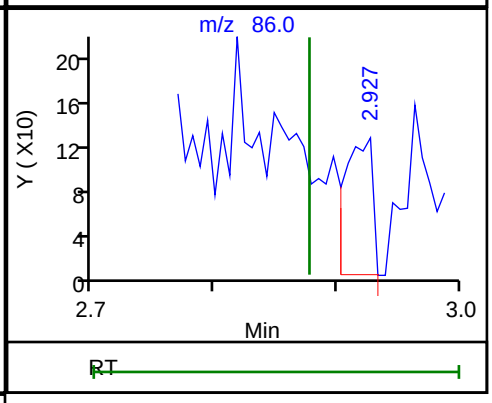
39 Vinyl acetate, CAS: 108-05-4

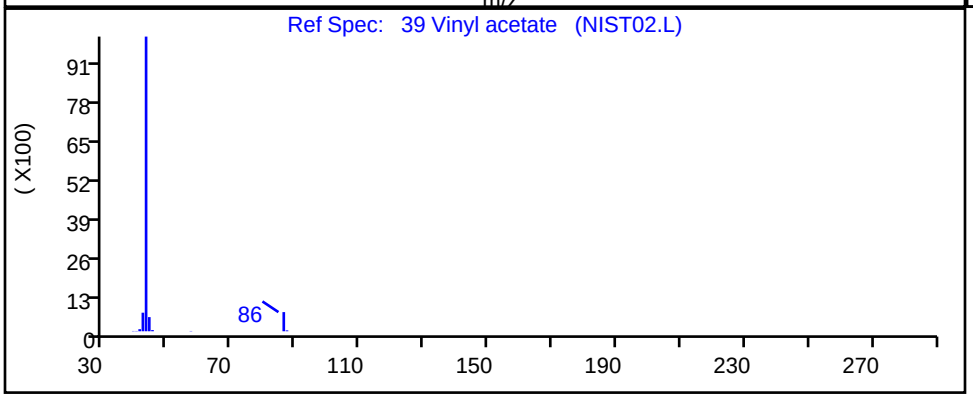
Processing Results











RT	Mass	Response	Amount
2.93	43.00	383	0.079408
2.93	86.00	196	

Reviewer: HVW2, 03-Apr-2024 23:04:09 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

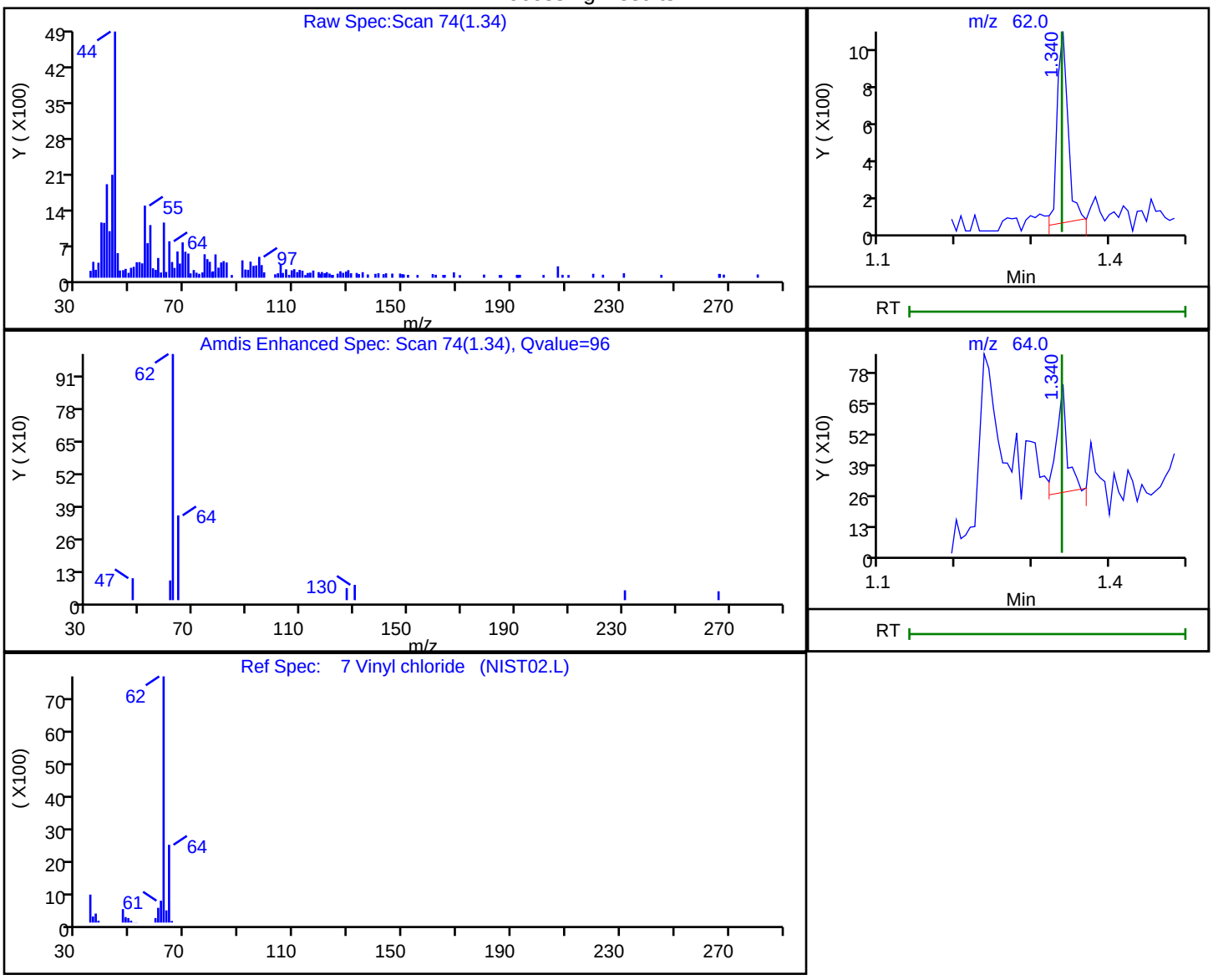
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D
Injection Date: 03-Apr-2024 22:32:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.34	62.00	1026	0.349446
1.34	64.00	427	

Reviewer: HVW2, 03-Apr-2024 23:03:31 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Calibration / Chlorotrifluoroethene

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

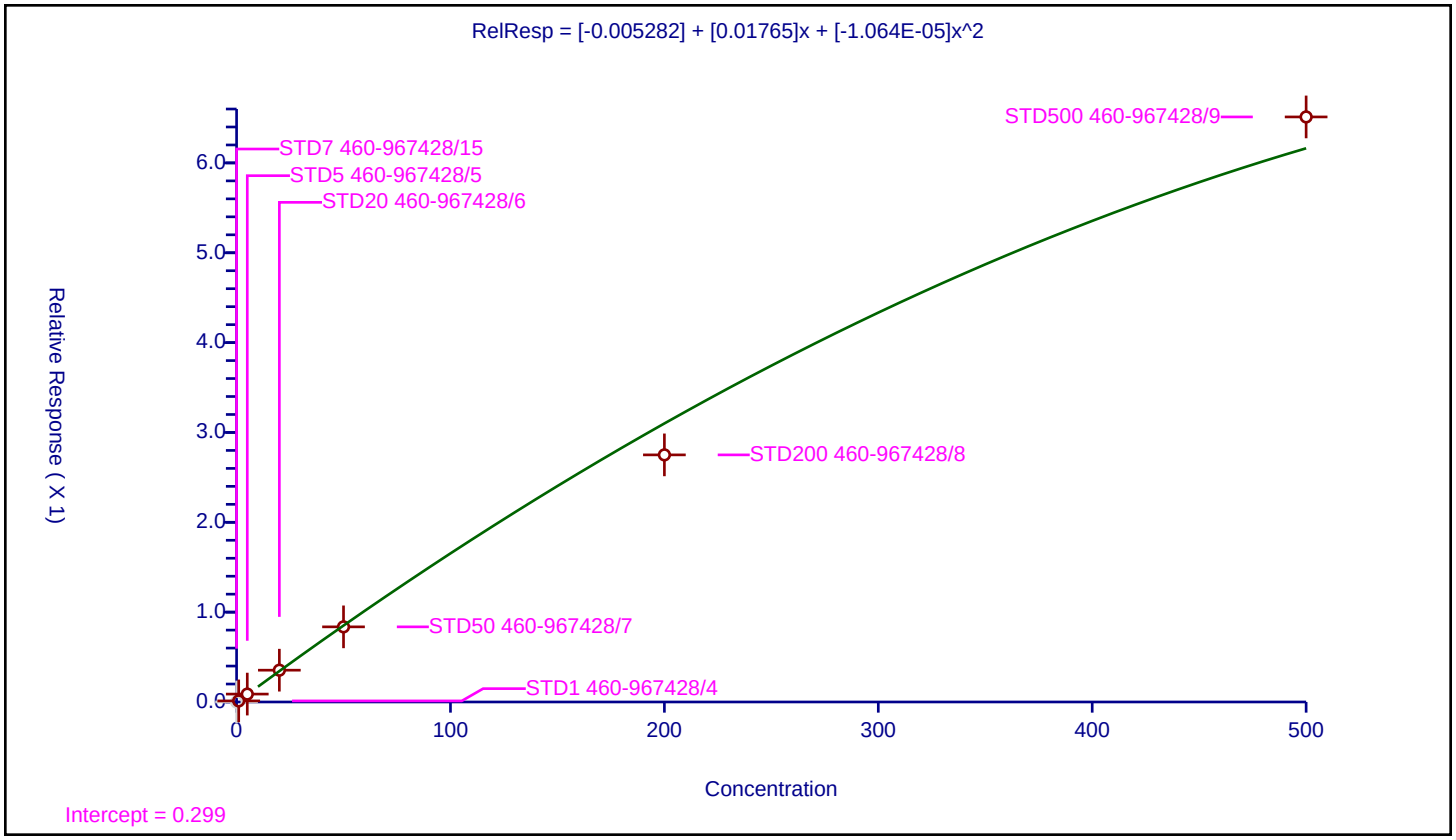
Curve Coefficients

Intercept:	-0.005282
Slope:	0.01765
Second Order:	-1.064E-05

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.01214	50.0	667222.0	0.01214	Y
3	STD5 460-967428/5	5.0	0.087964	50.0	683802.0	0.017593	Y
4	STD20 460-967428/6	20.0	0.353951	50.0	677919.0	0.017698	Y
5	STD50 460-967428/7	50.0	0.836141	50.0	695517.0	0.016723	Y
6	STD200 460-967428/8	200.0	2.750465	50.0	751982.0	0.013752	Y
7	STD500 460-967428/9	500.0	6.51173	50.0	746023.0	0.013023	Y



Calibration / Dichlorodifluoromethane

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

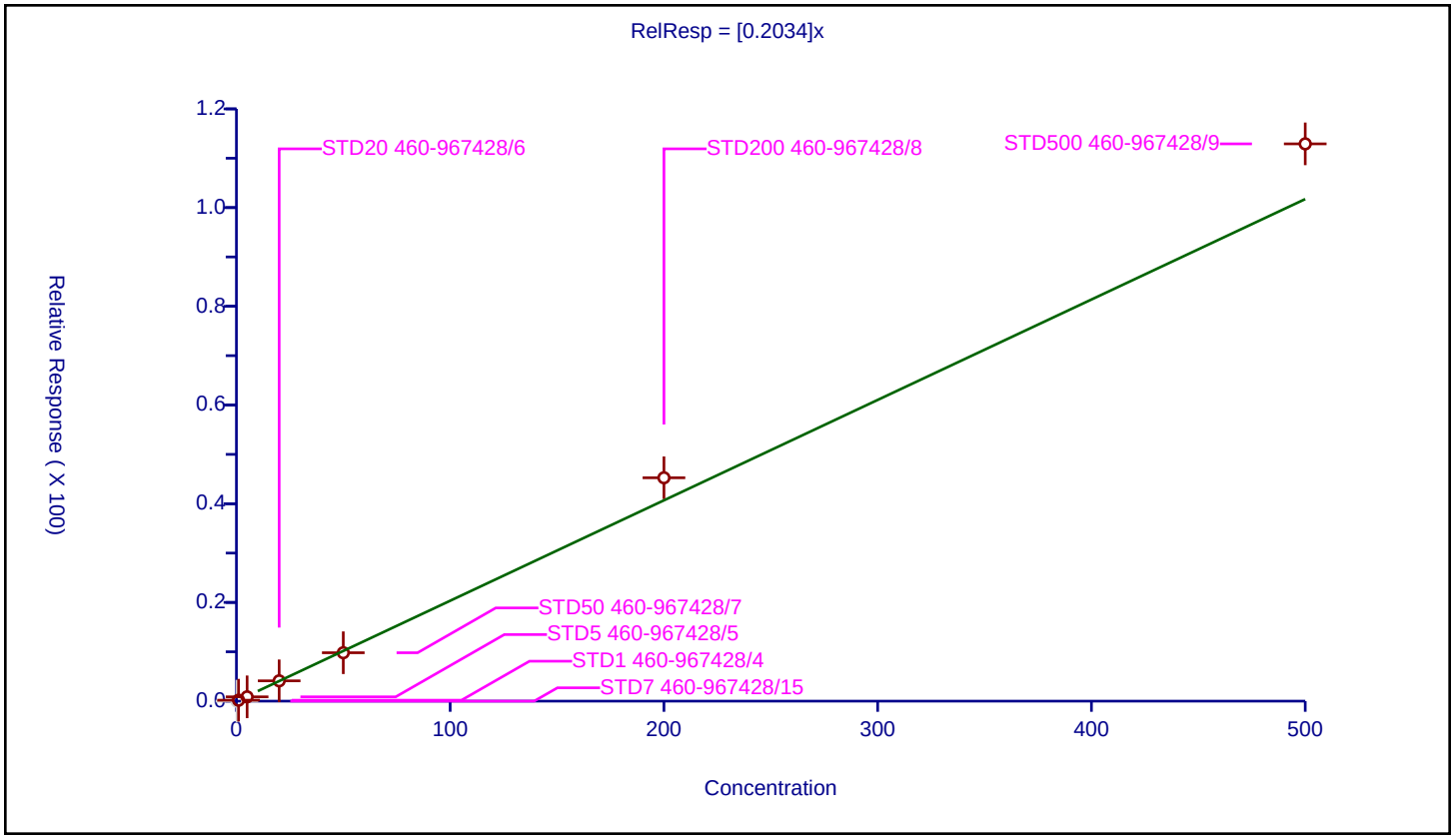
Curve Coefficients

Intercept:	0
Slope:	0.2034

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.25	0.0	50.0	630182.0	0.0	N
2	STD1 460-967428/4	1.0	0.19259	50.0	667222.0	0.19259	Y
3	STD5 460-967428/5	5.0	0.869842	50.0	683802.0	0.173968	Y
4	STD20 460-967428/6	20.0	4.11679	50.0	677919.0	0.205839	Y
5	STD50 460-967428/7	50.0	9.808818	50.0	695517.0	0.196176	Y
6	STD200 460-967428/8	200.0	45.255671	50.0	751982.0	0.226278	Y
7	STD500 460-967428/9	500.0	112.915352	50.0	746023.0	0.225831	Y



Calibration / Chlorodifluoromethane

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

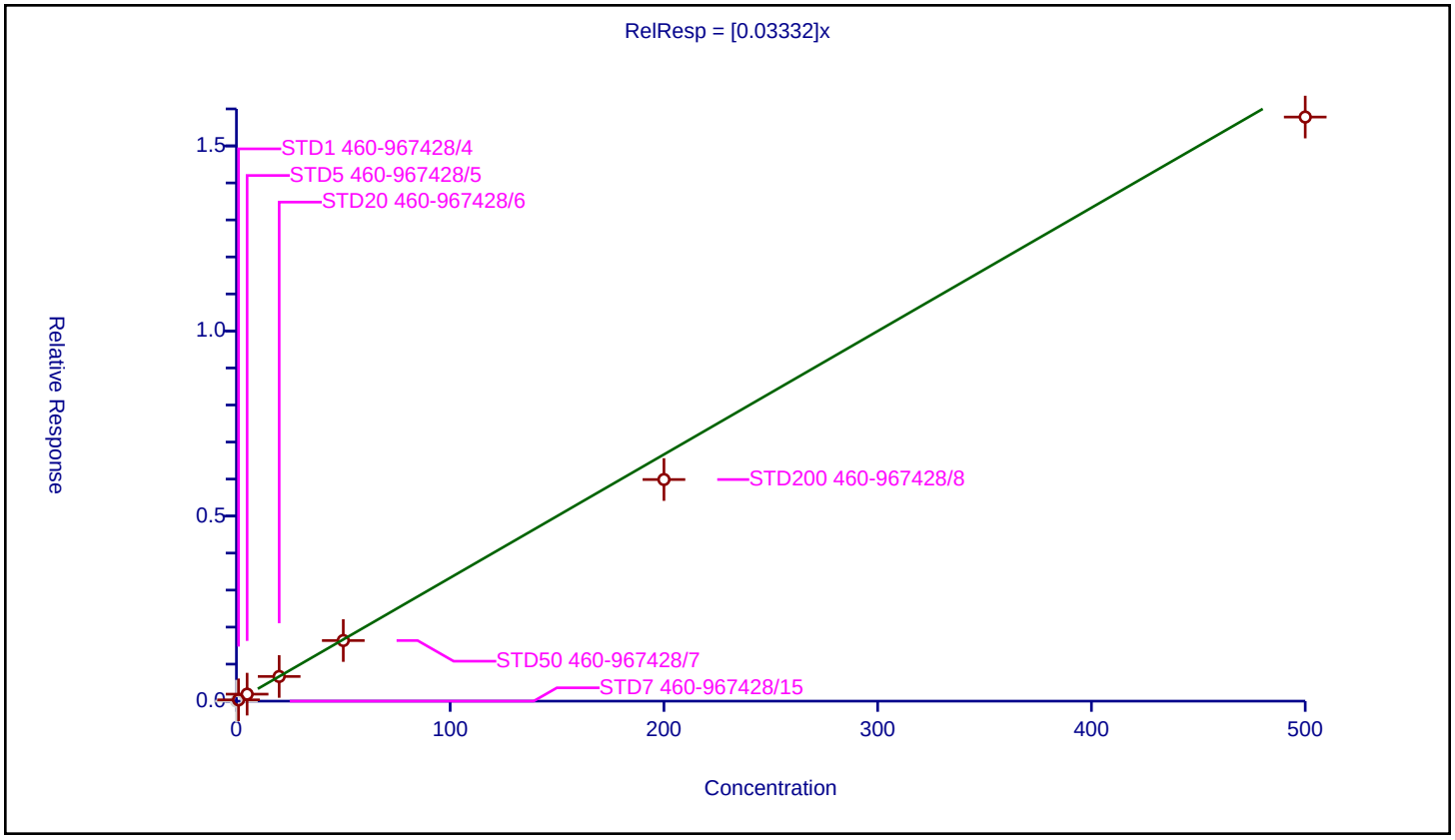
Curve Coefficients

Intercept:	0
Slope:	0.03332

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.034546	50.0	667222.0	0.034546	Y
3	STD5 460-967428/5	5.0	0.18909	50.0	683802.0	0.037818	Y
4	STD20 460-967428/6	20.0	0.666673	50.0	677919.0	0.033334	Y
5	STD50 460-967428/7	50.0	1.637487	50.0	695517.0	0.03275	Y
6	STD200 460-967428/8	200.0	5.986779	50.0	751982.0	0.029934	Y
7	STD500 460-967428/9	500.0	15.780076	50.0	746023.0	0.03156	Y



Calibration / Chloromethane

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

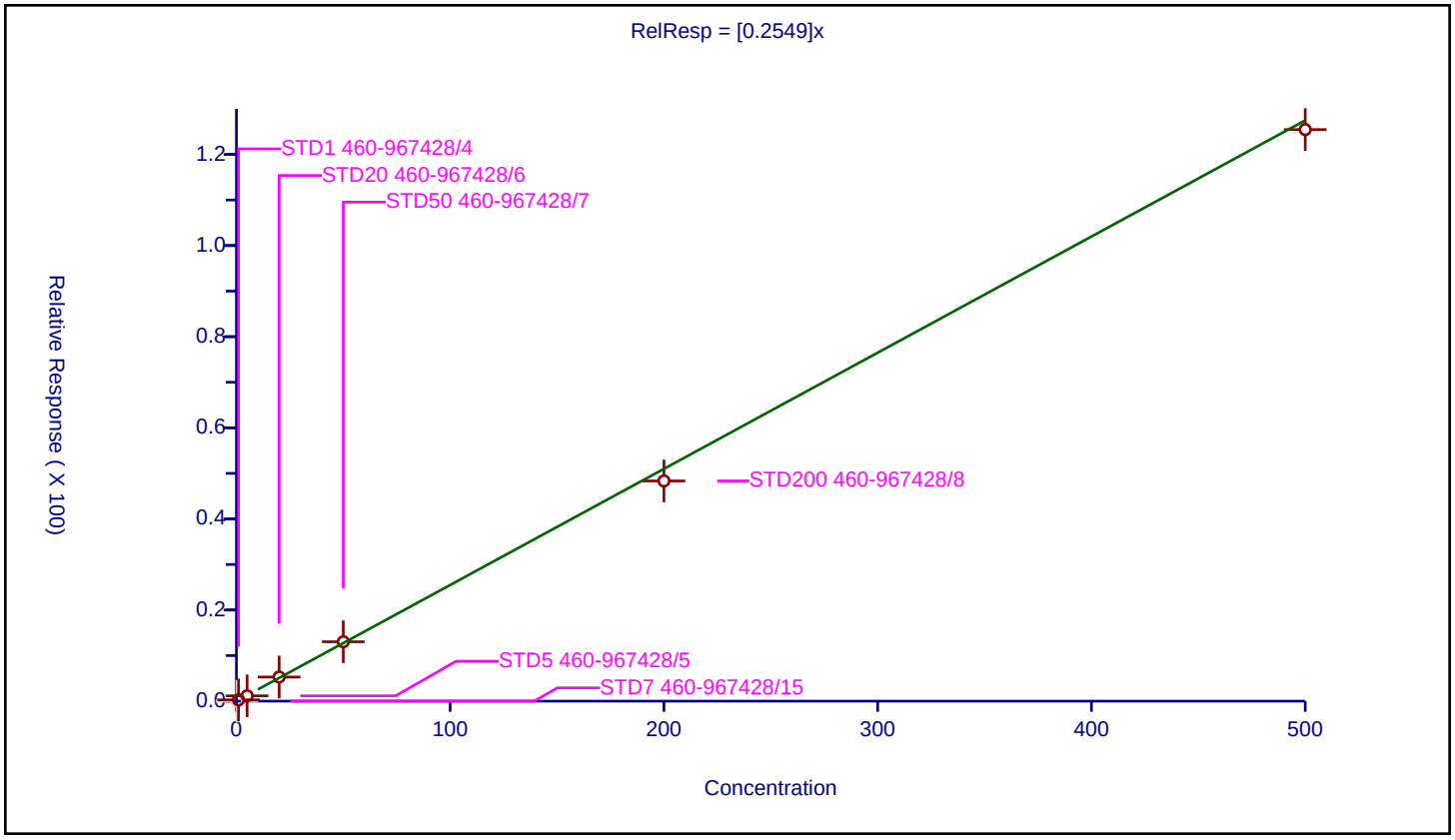
Curve Coefficients

Intercept:	0
Slope:	0.2549

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.25	0.0	50.0	630182.0	0.0	N
2	STD1 460-967428/4	1.0	0.276744	50.0	667222.0	0.276744	Y
3	STD5 460-967428/5	5.0	1.174024	50.0	683802.0	0.234805	Y
4	STD20 460-967428/6	20.0	5.296577	50.0	677919.0	0.264829	Y
5	STD50 460-967428/7	50.0	13.035555	50.0	695517.0	0.260711	Y
6	STD200 460-967428/8	200.0	48.336596	50.0	751982.0	0.241683	Y
7	STD500 460-967428/9	500.0	125.459738	50.0	746023.0	0.250919	Y



Calibration / Vinyl chloride

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

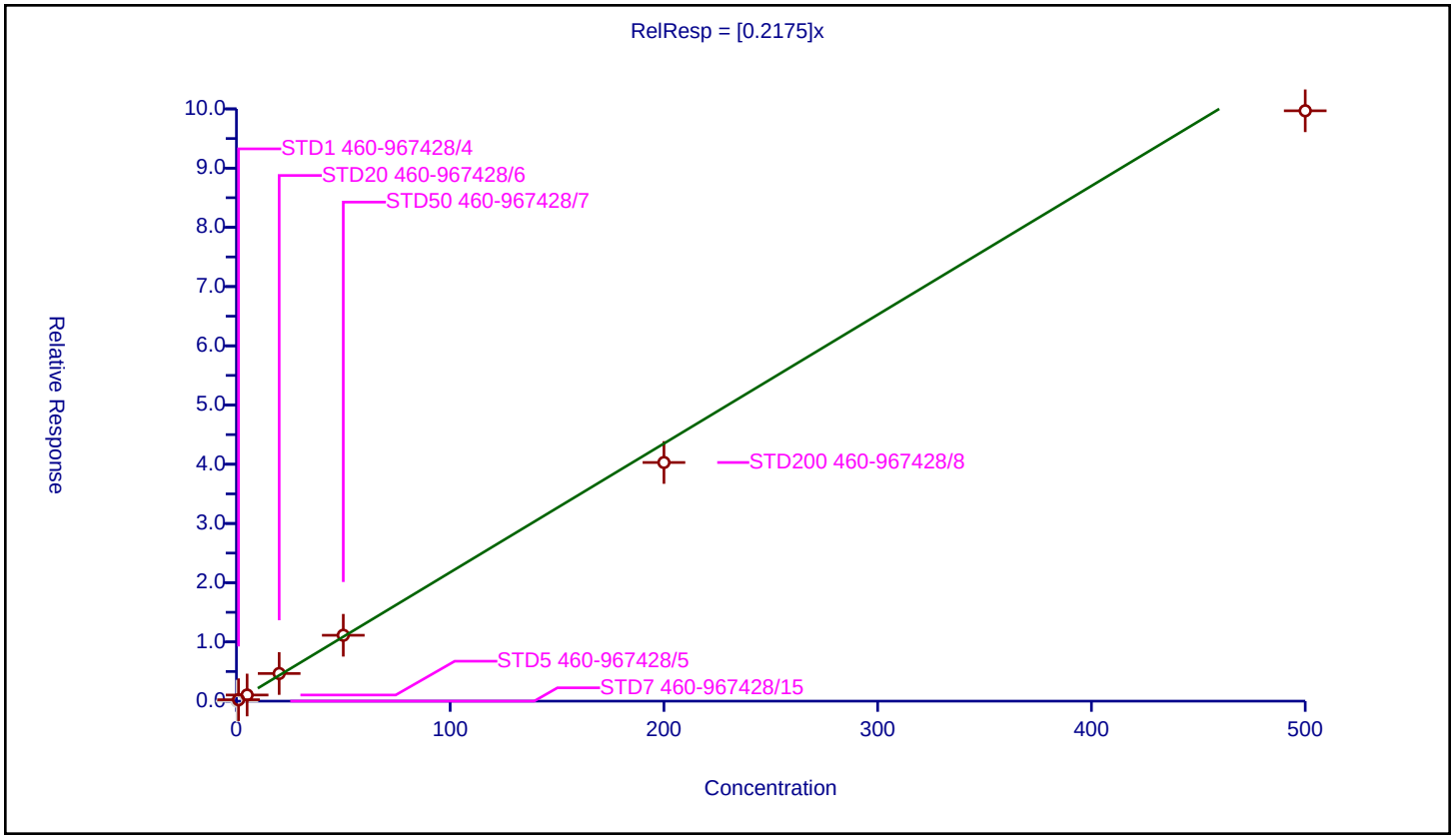
Curve Coefficients

Intercept:	0
Slope:	0.2175

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.25	0.0	50.0	630182.0	0.0	N
2	STD1 460-967428/4	1.0	0.241374	50.0	667222.0	0.241374	Y
3	STD5 460-967428/5	5.0	1.035241	50.0	683802.0	0.207048	Y
4	STD20 460-967428/6	20.0	4.663758	50.0	677919.0	0.233188	Y
5	STD50 460-967428/7	50.0	11.124315	50.0	695517.0	0.222486	Y
6	STD200 460-967428/8	200.0	40.297374	50.0	751982.0	0.201487	Y
7	STD500 460-967428/9	500.0	99.680573	50.0	746023.0	0.199361	Y



Calibration / Butadiene

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

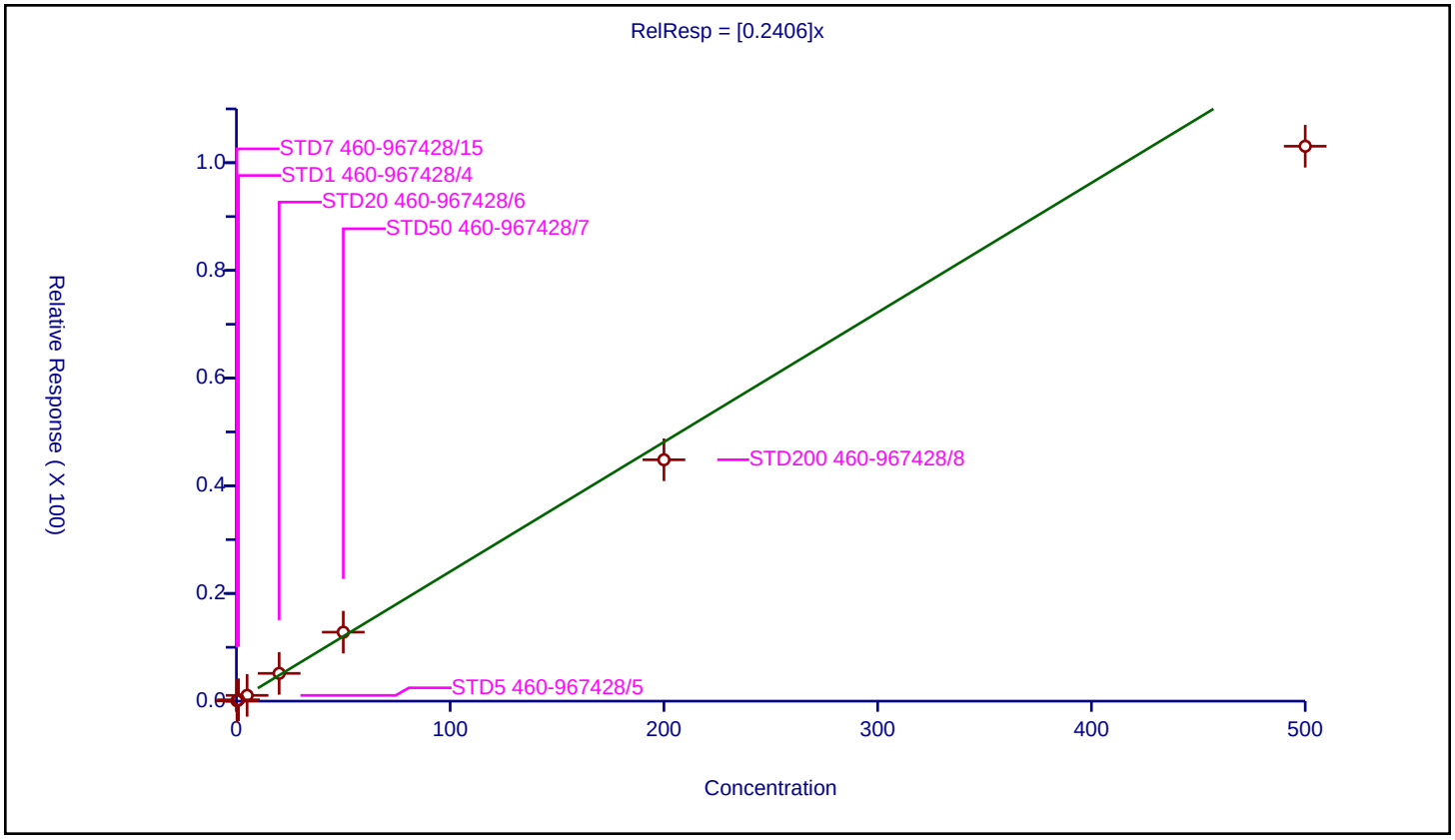
Curve Coefficients

Intercept:	0
Slope:	0.2406

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.25	0.06871	50.0	630182.0	0.274841	Y
2	STD1 460-967428/4	1.0	0.25164	50.0	667222.0	0.25164	Y
3	STD5 460-967428/5	5.0	1.068657	50.0	683802.0	0.213731	Y
4	STD20 460-967428/6	20.0	5.157401	50.0	677919.0	0.25787	Y
5	STD50 460-967428/7	50.0	12.807954	50.0	695517.0	0.256159	Y
6	STD200 460-967428/8	200.0	44.829996	50.0	751982.0	0.22415	Y
7	STD500 460-967428/9	500.0	103.065924	50.0	746023.0	0.206132	Y



Calibration / Bromomethane

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

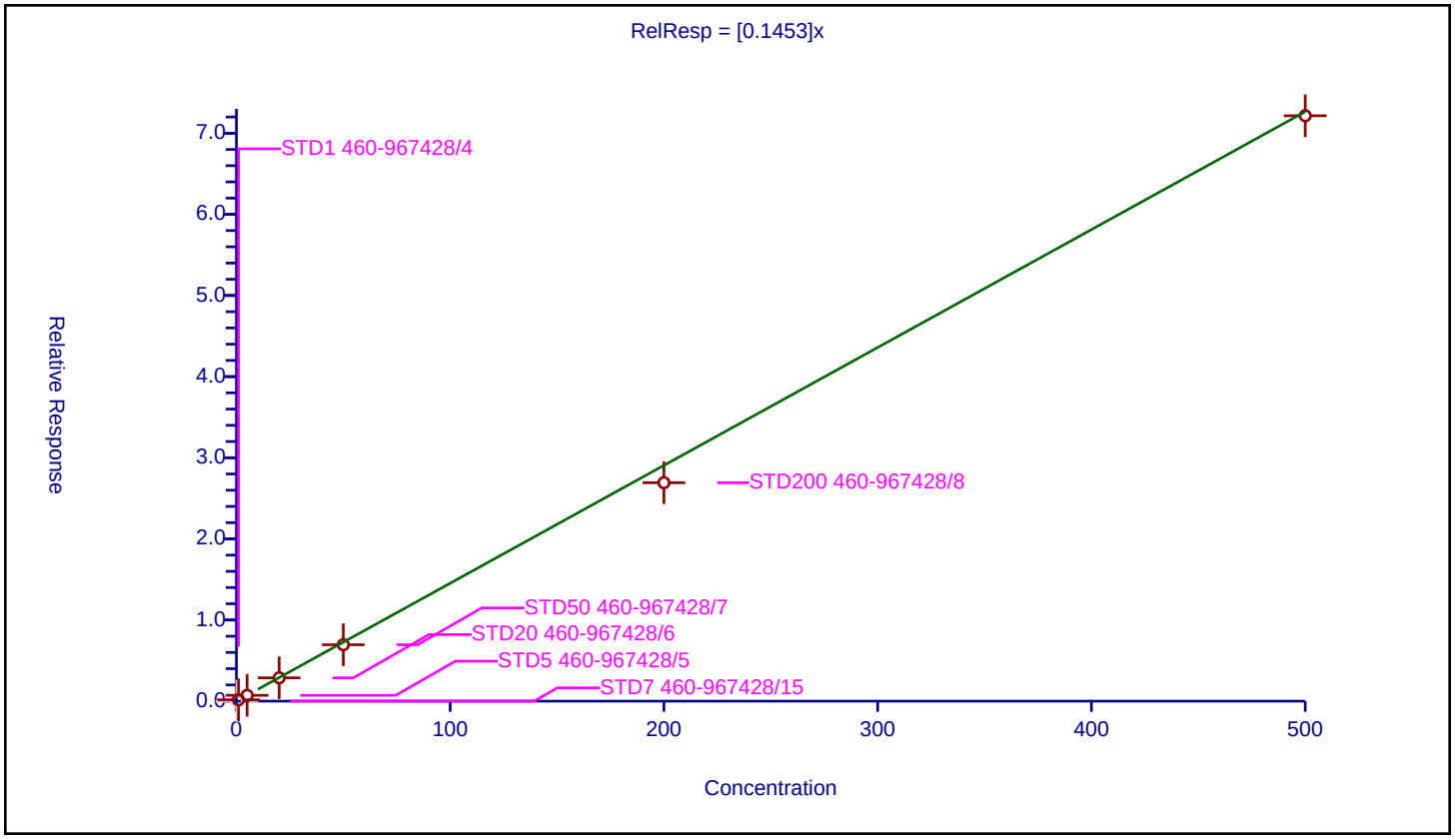
Curve Coefficients

Intercept:	0
Slope:	0.1453

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.25	0.0	50.0	630182.0	0.0	N
2	STD1 460-967428/4	1.0	0.167036	50.0	667222.0	0.167036	Y
3	STD5 460-967428/5	5.0	0.715412	50.0	683802.0	0.143082	Y
4	STD20 460-967428/6	20.0	2.875196	50.0	677919.0	0.14376	Y
5	STD50 460-967428/7	50.0	6.951807	50.0	695517.0	0.139036	Y
6	STD200 460-967428/8	200.0	26.921589	50.0	751982.0	0.134608	Y
7	STD500 460-967428/9	500.0	72.153271	50.0	746023.0	0.144307	Y



Calibration / Chloroethane

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

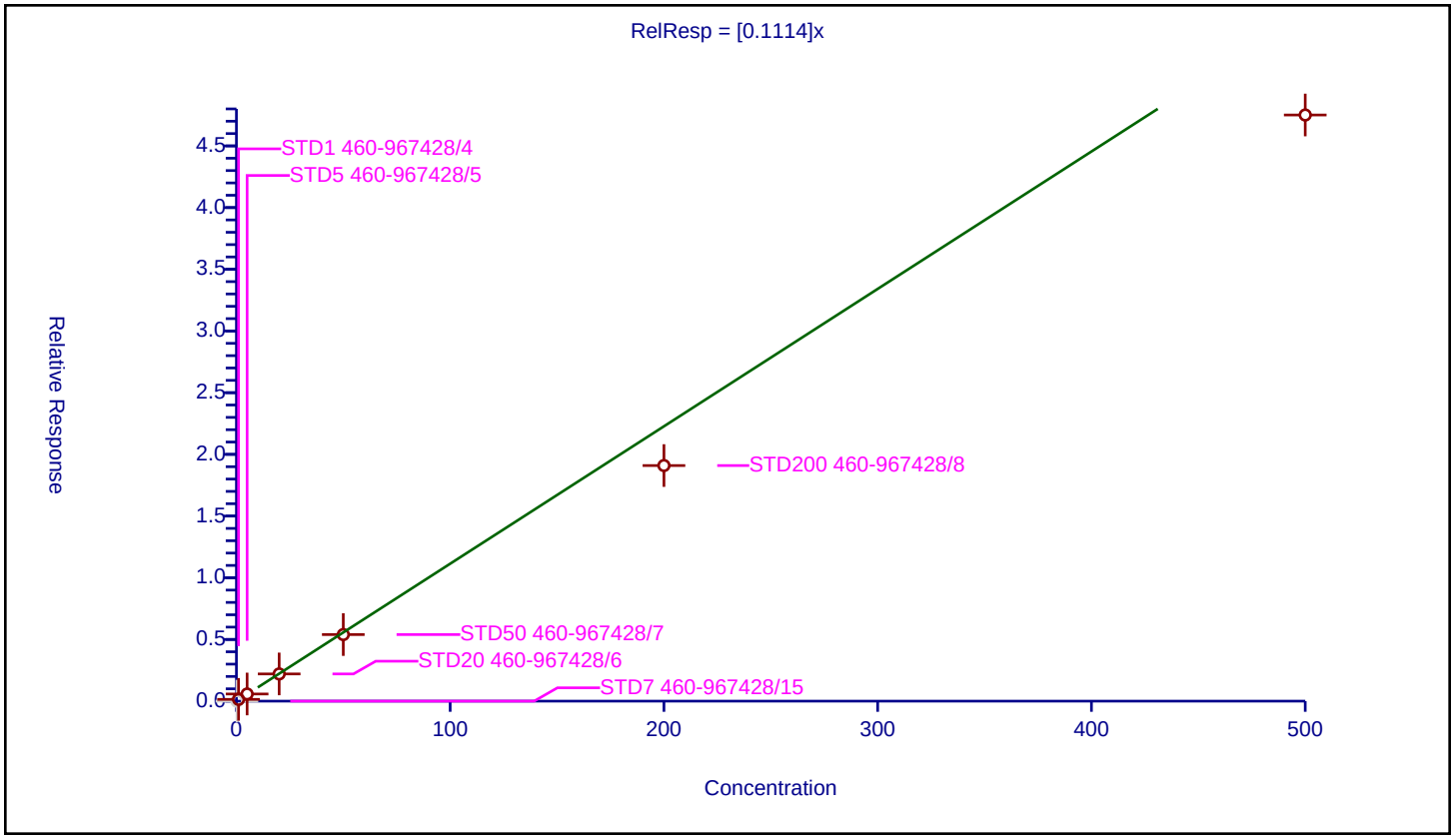
Curve Coefficients

Intercept:	0
Slope:	0.1114

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.25	0.0	50.0	630182.0	0.0	N
2	STD1 460-967428/4	1.0	0.143655	50.0	667222.0	0.143655	Y
3	STD5 460-967428/5	5.0	0.579407	50.0	683802.0	0.115881	Y
4	STD20 460-967428/6	20.0	2.205426	50.0	677919.0	0.110271	Y
5	STD50 460-967428/7	50.0	5.395051	50.0	695517.0	0.107901	Y
6	STD200 460-967428/8	200.0	19.094606	50.0	751982.0	0.095473	Y
7	STD500 460-967428/9	500.0	47.50564	50.0	746023.0	0.095011	Y



Calibration / Dichlorofluoromethane

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

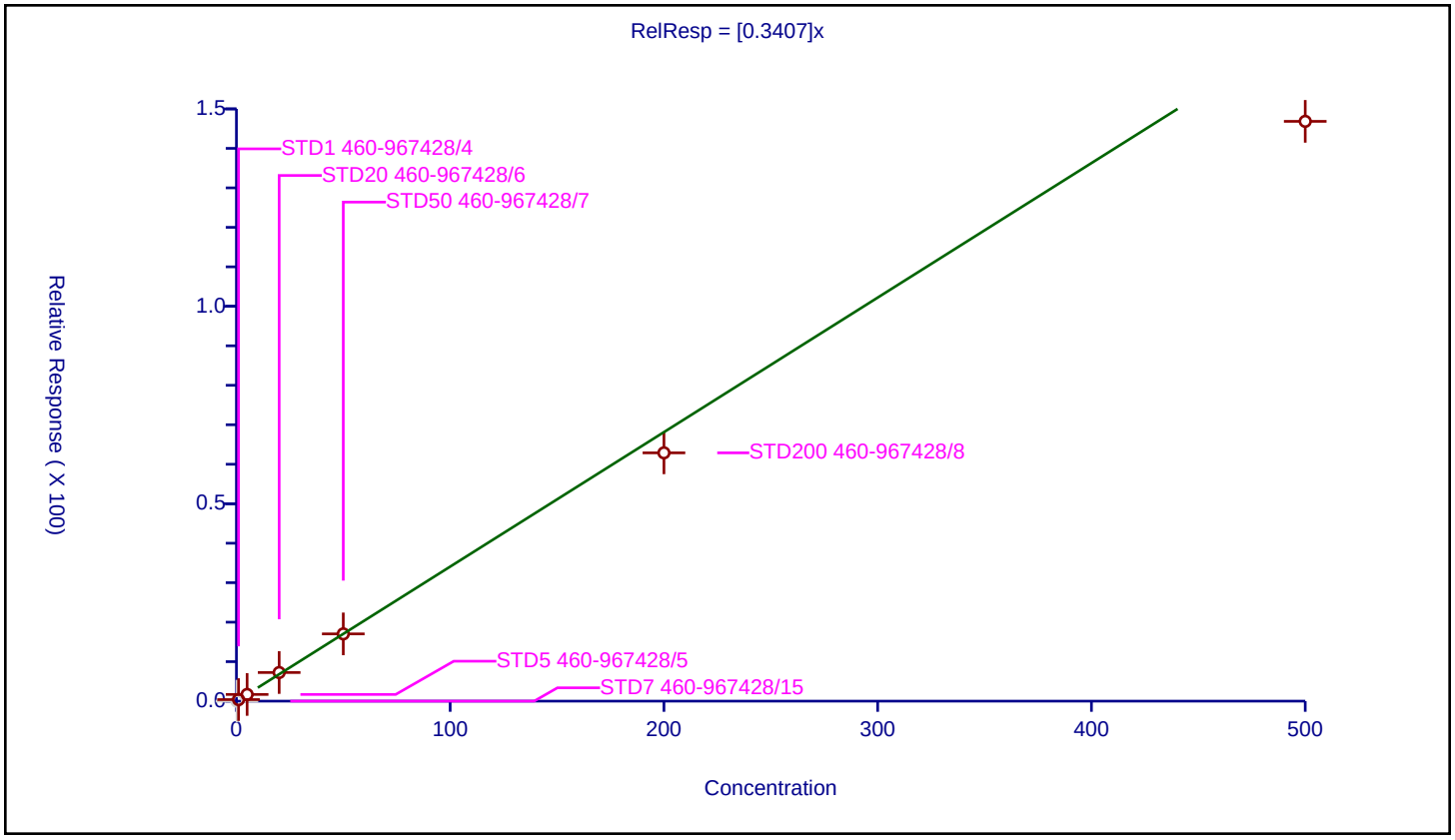
Curve Coefficients

Intercept:	0
Slope:	0.3407

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.25	0.0	50.0	630182.0	0.0	N
2	STD1 460-967428/4	1.0	0.394172	50.0	667222.0	0.394172	Y
3	STD5 460-967428/5	5.0	1.693619	50.0	683802.0	0.338724	Y
4	STD20 460-967428/6	20.0	7.247252	50.0	677919.0	0.362363	Y
5	STD50 460-967428/7	50.0	17.034954	50.0	695517.0	0.340699	Y
6	STD200 460-967428/8	200.0	62.889271	50.0	751982.0	0.314446	Y
7	STD500 460-967428/9	500.0	146.844132	50.0	746023.0	0.293688	Y



Calibration / Trichlorofluoromethane

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

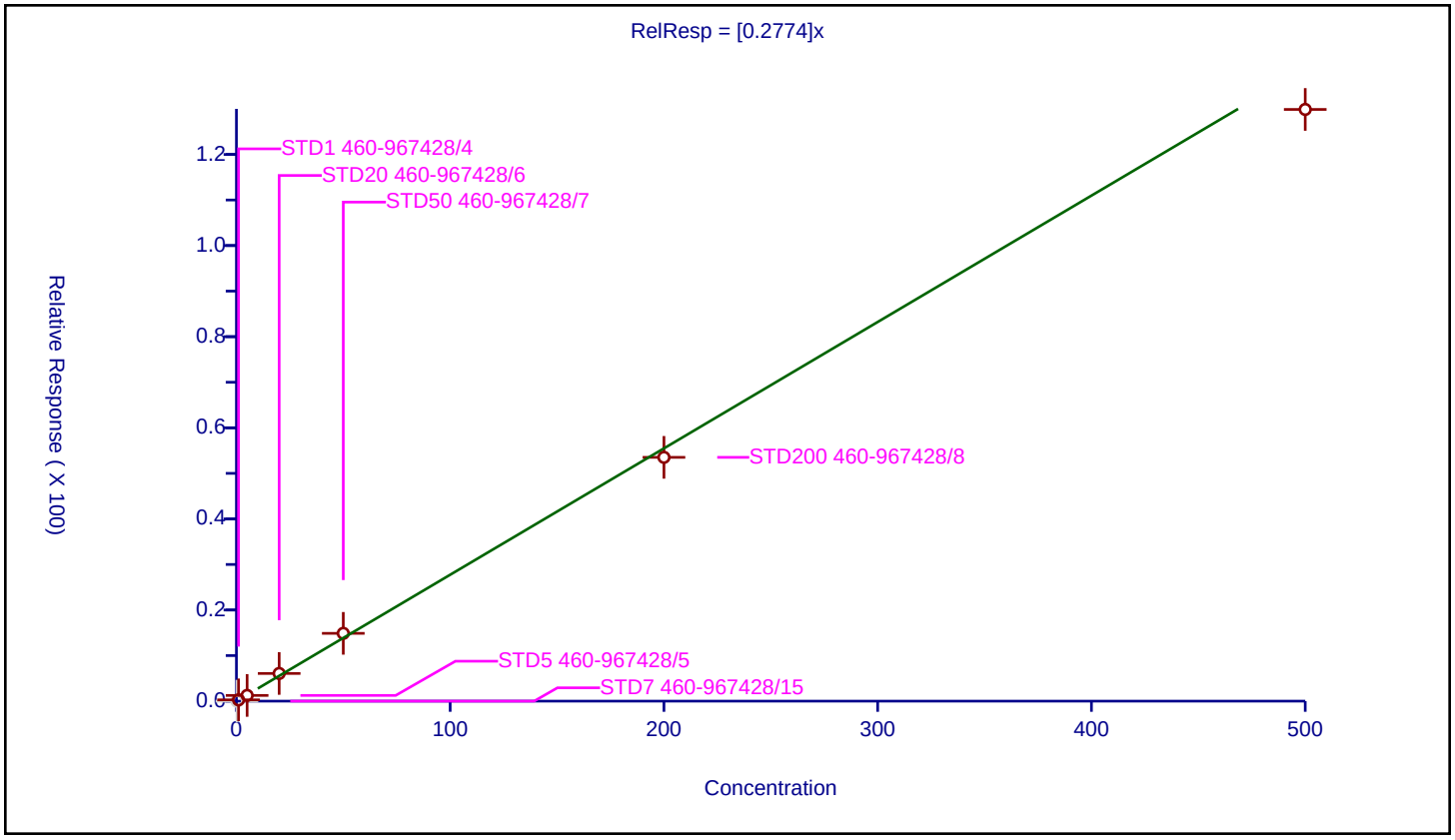
Curve Coefficients

Intercept:	0
Slope:	0.2774

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.25	0.0	50.0	630182.0	0.0	N
2	STD1 460-967428/4	1.0	0.284313	50.0	667222.0	0.284313	Y
3	STD5 460-967428/5	5.0	1.25665	50.0	683802.0	0.25133	Y
4	STD20 460-967428/6	20.0	6.077348	50.0	677919.0	0.303867	Y
5	STD50 460-967428/7	50.0	14.882095	50.0	695517.0	0.297642	Y
6	STD200 460-967428/8	200.0	53.512983	50.0	751982.0	0.267565	Y
7	STD500 460-967428/9	500.0	129.874481	50.0	746023.0	0.259749	Y



Calibration / Pentane

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

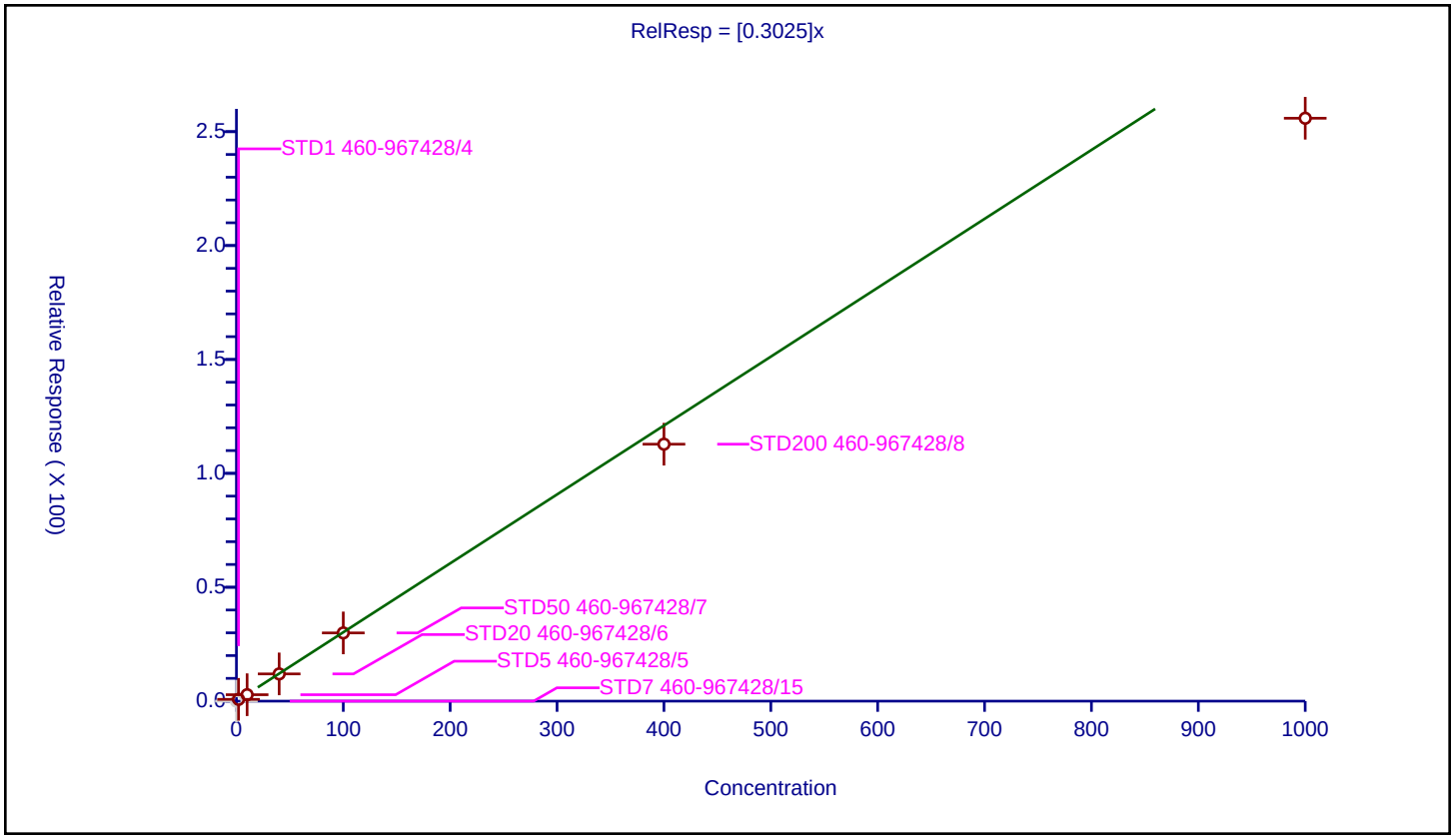
Curve Coefficients

Intercept:	0
Slope:	0.3025

Error Coefficients

Relative Standard Deviation:	16.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	2.0	0.792915	50.0	667222.0	0.396457	Y
3	STD5 460-967428/5	10.0	2.819822	50.0	683802.0	0.281982	Y
4	STD20 460-967428/6	40.0	11.954747	50.0	677919.0	0.298869	Y
5	STD50 460-967428/7	100.0	29.953186	50.0	695517.0	0.299532	Y
6	STD200 460-967428/8	400.0	112.808152	50.0	751982.0	0.28202	Y
7	STD500 460-967428/9	1000.0	255.895797	50.0	746023.0	0.255896	Y



Calibration / Ethanol

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

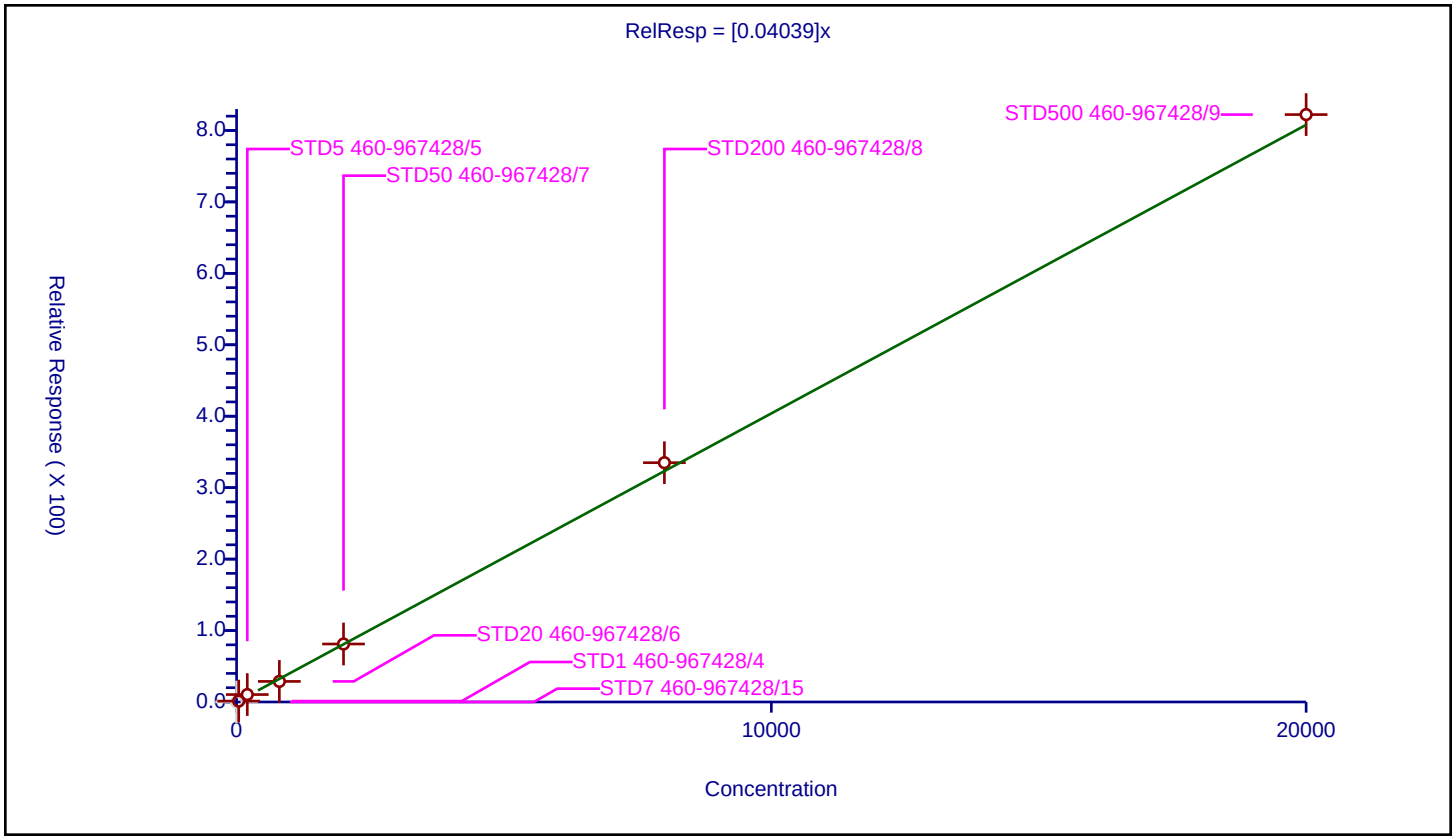
Curve Coefficients

Intercept:	0
Slope:	0.04039

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	40.0	1.236705	1000.0	270881.0	0.030918	Y
3	STD5 460-967428/5	200.0	10.379764	1000.0	261952.0	0.051899	Y
4	STD20 460-967428/6	800.0	28.780355	1000.0	242874.0	0.035975	Y
5	STD50 460-967428/7	2000.0	81.162067	1000.0	217922.0	0.040581	Y
6	STD200 460-967428/8	8000.0	334.929211	1000.0	209707.0	0.041866	Y
7	STD500 460-967428/9	20000.0	822.206451	1000.0	208534.0	0.04111	Y



Calibration / Ethyl ether

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

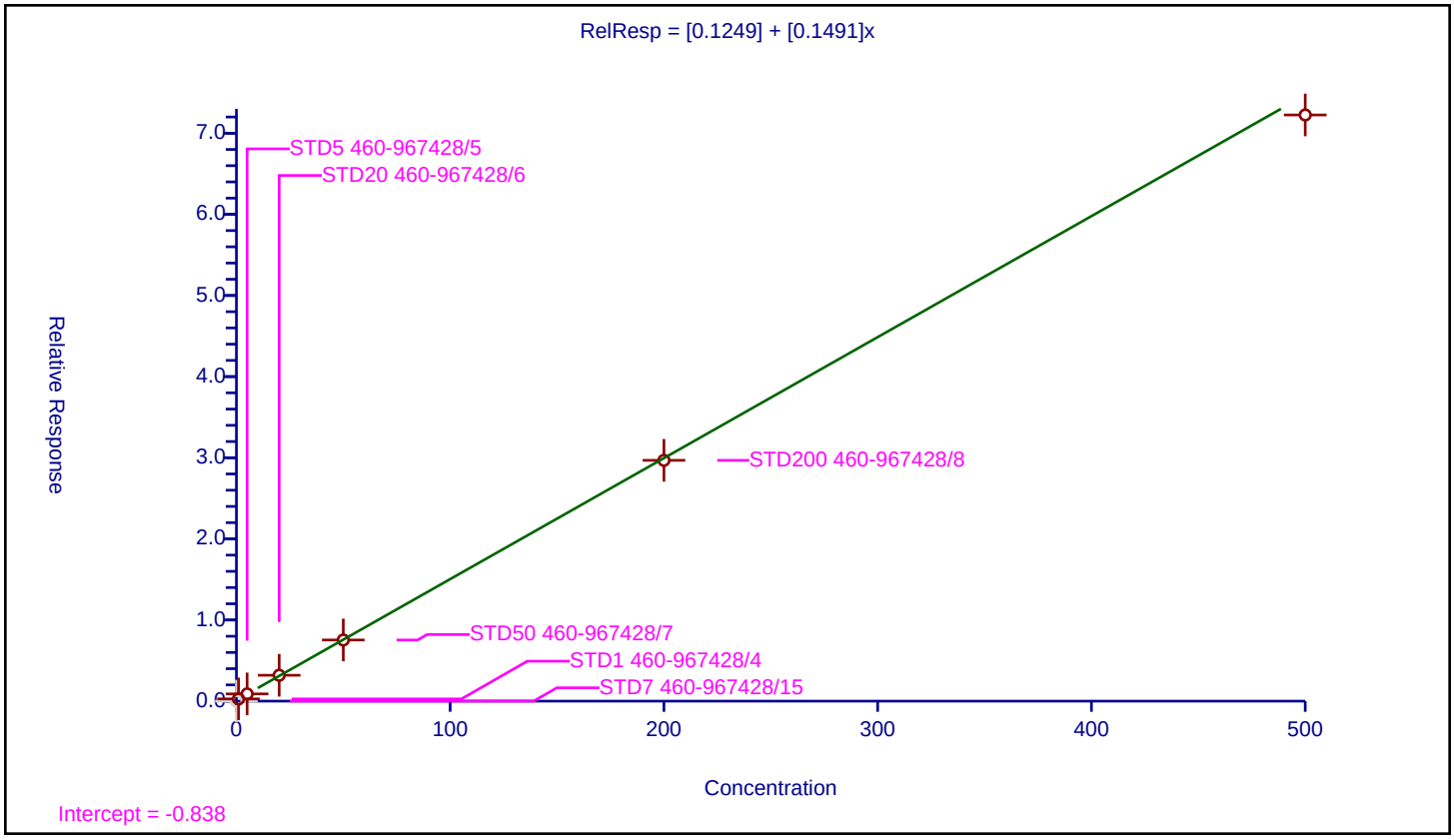
Curve Coefficients

Intercept:	0.1249
Slope:	0.1491

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.273073	50.0	667222.0	0.273073	Y
3	STD5 460-967428/5	5.0	0.891194	50.0	683802.0	0.178239	Y
4	STD20 460-967428/6	20.0	3.188065	50.0	677919.0	0.159403	Y
5	STD50 460-967428/7	50.0	7.537415	50.0	695517.0	0.150748	Y
6	STD200 460-967428/8	200.0	29.681096	50.0	751982.0	0.148405	Y
7	STD500 460-967428/9	500.0	72.251593	50.0	746023.0	0.144503	Y



Calibration / 2-Methyl-1,3-butadiene

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

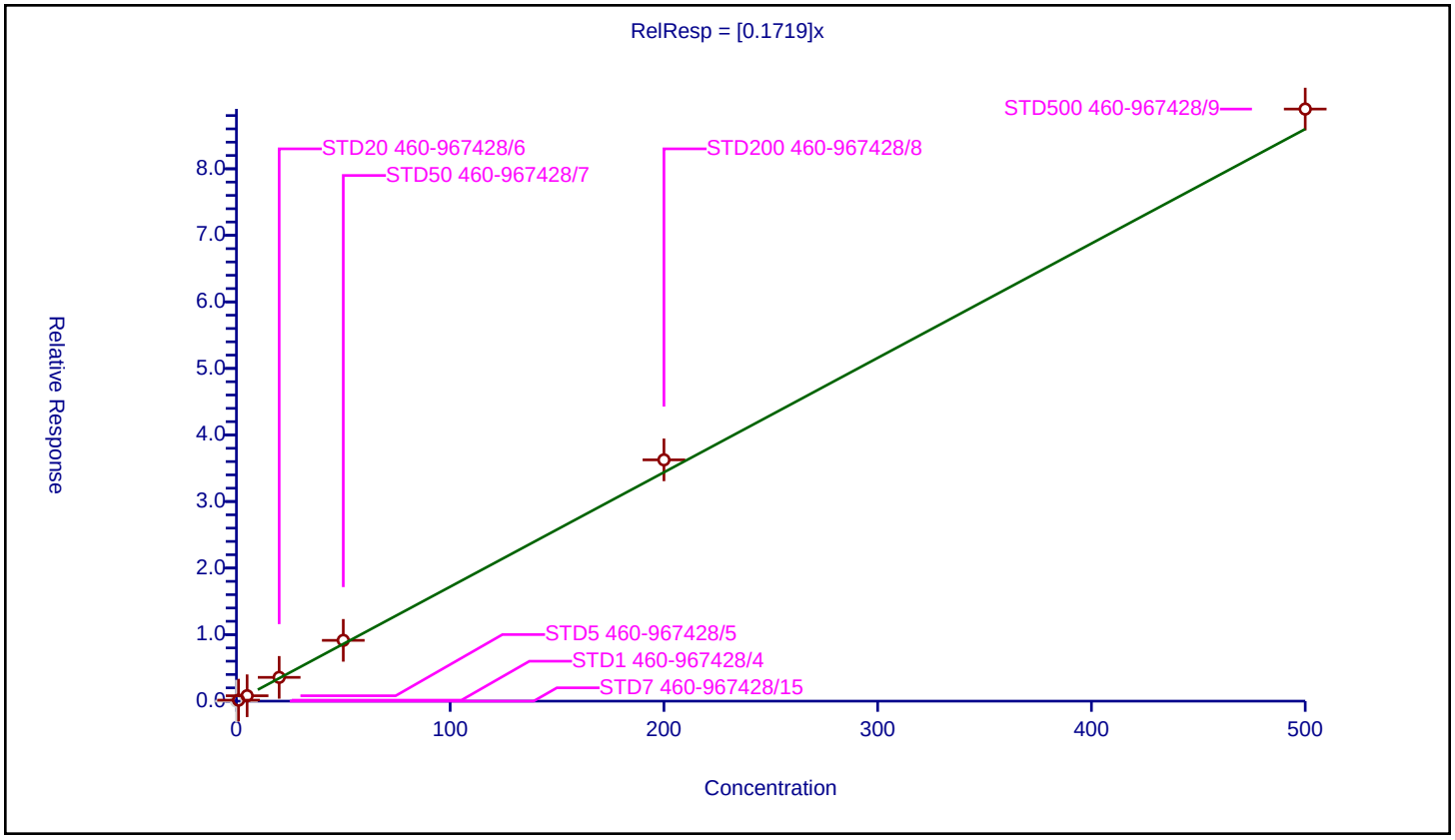
Curve Coefficients

Intercept:	0
Slope:	0.1719

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.148751	50.0	667222.0	0.148751	Y
3	STD5 460-967428/5	5.0	0.810834	50.0	683802.0	0.162167	Y
4	STD20 460-967428/6	20.0	3.573731	50.0	677919.0	0.178687	Y
5	STD50 460-967428/7	50.0	9.137376	50.0	695517.0	0.182748	Y
6	STD200 460-967428/8	200.0	36.258647	50.0	751982.0	0.181293	Y
7	STD500 460-967428/9	500.0	88.976747	50.0	746023.0	0.177953	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

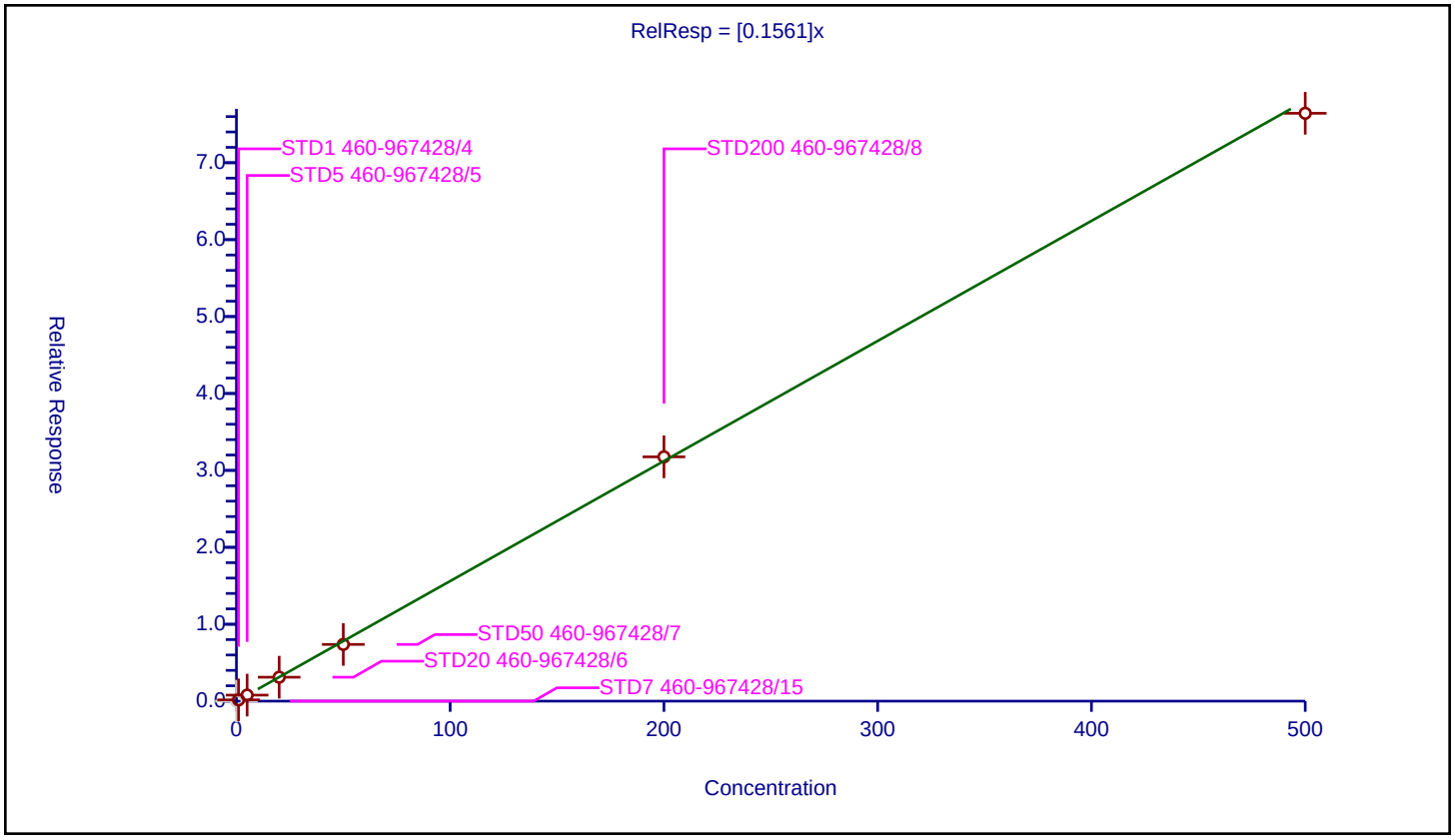
Curve Coefficients

Intercept:	0
Slope:	0.1561

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.164938	50.0	667222.0	0.164938	Y
3	STD5 460-967428/5	5.0	0.784145	50.0	683802.0	0.156829	Y
4	STD20 460-967428/6	20.0	3.112688	50.0	677919.0	0.155634	Y
5	STD50 460-967428/7	50.0	7.375521	50.0	695517.0	0.14751	Y
6	STD200 460-967428/8	200.0	31.76213	50.0	751982.0	0.158811	Y
7	STD500 460-967428/9	500.0	76.429212	50.0	746023.0	0.152858	Y



Calibration / 1,1,1-Trifluoro-2,2-dichloroethane

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

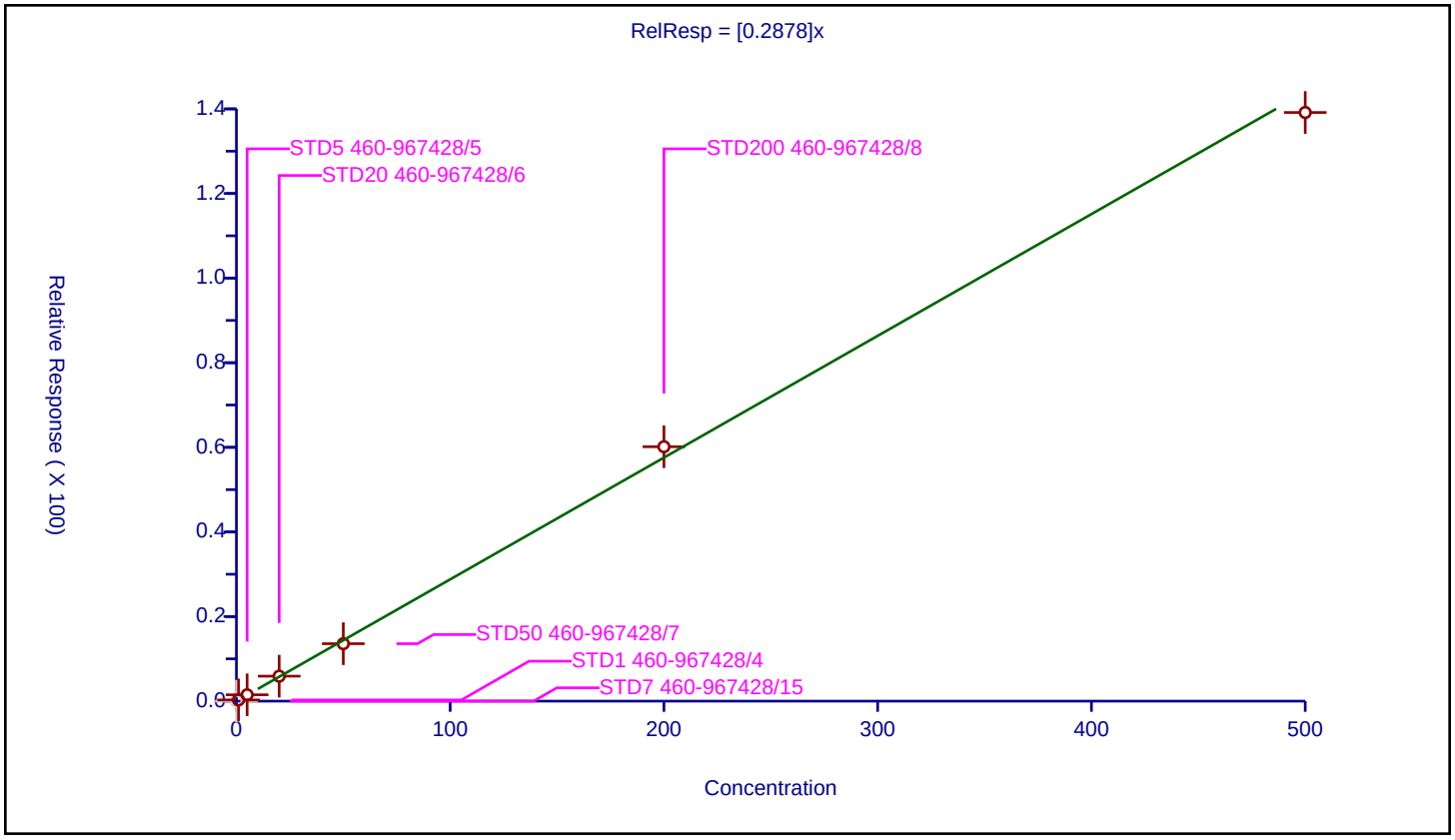
Curve Coefficients

Intercept:	0
Slope:	0.2878

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.282964	50.0	667222.0	0.282964	Y
3	STD5 460-967428/5	5.0	1.49261	50.0	683802.0	0.298522	Y
4	STD20 460-967428/6	20.0	5.900484	50.0	677919.0	0.295024	Y
5	STD50 460-967428/7	50.0	13.57465	50.0	695517.0	0.271493	Y
6	STD200 460-967428/8	200.0	60.140801	50.0	751982.0	0.300704	Y
7	STD500 460-967428/9	500.0	139.149463	50.0	746023.0	0.278299	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

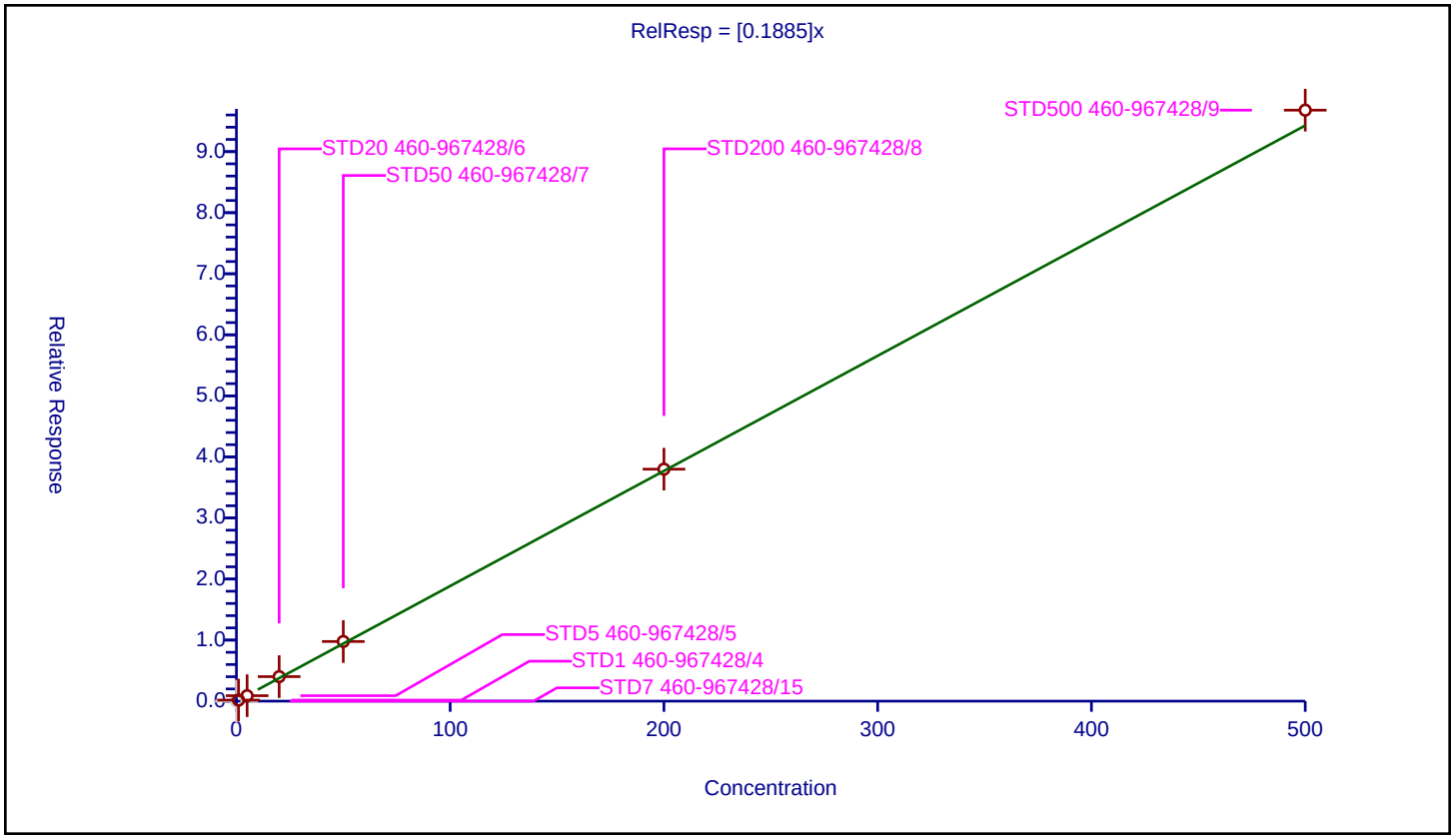
Curve Coefficients

Intercept:	0
Slope:	0.1885

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.173406	50.0	667222.0	0.173406	Y
3	STD5 460-967428/5	5.0	0.890755	50.0	683802.0	0.178151	Y
4	STD20 460-967428/6	20.0	4.015967	50.0	677919.0	0.200798	Y
5	STD50 460-967428/7	50.0	9.767842	50.0	695517.0	0.195357	Y
6	STD200 460-967428/8	200.0	37.993995	50.0	751982.0	0.18997	Y
7	STD500 460-967428/9	500.0	96.79085	50.0	746023.0	0.193582	Y



Calibration / Acrolein

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

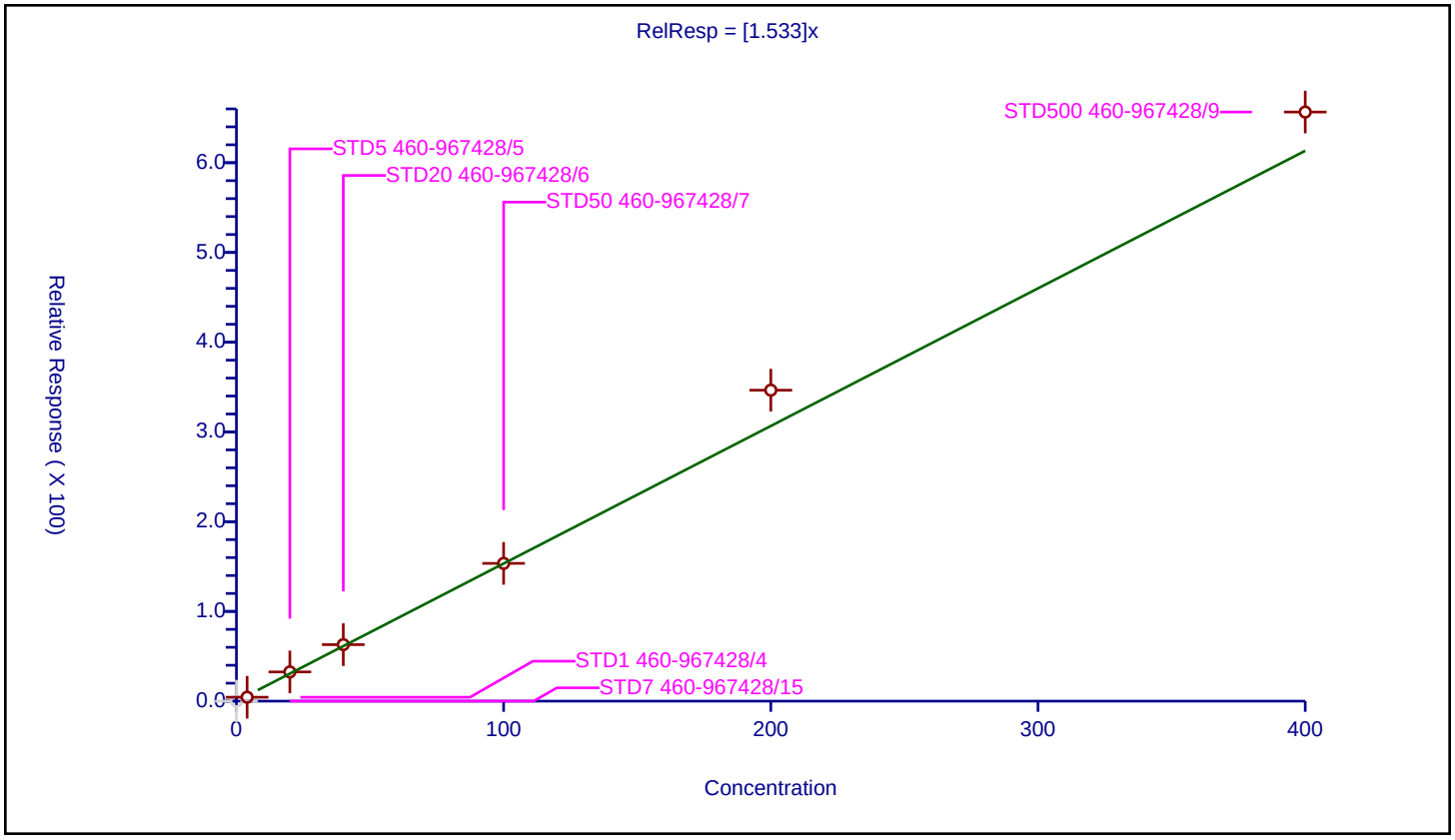
Curve Coefficients

Intercept:	0
Slope:	1.533

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	4.0	4.356156	1000.0	270881.0	1.089039	Y
3	STD5 460-967428/5	20.0	32.54413	1000.0	261952.0	1.627207	Y
4	STD20 460-967428/6	40.0	62.979158	1000.0	242874.0	1.574479	Y
5	STD50 460-967428/7	100.0	153.531998	1000.0	217922.0	1.53532	Y
6	STD200 460-967428/8	200.0	346.526344	1000.0	209707.0	1.732632	Y
7	STD500 460-967428/9	400.0	656.482876	1000.0	208534.0	1.641207	Y



Calibration / 1,1-Dichloroethene

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

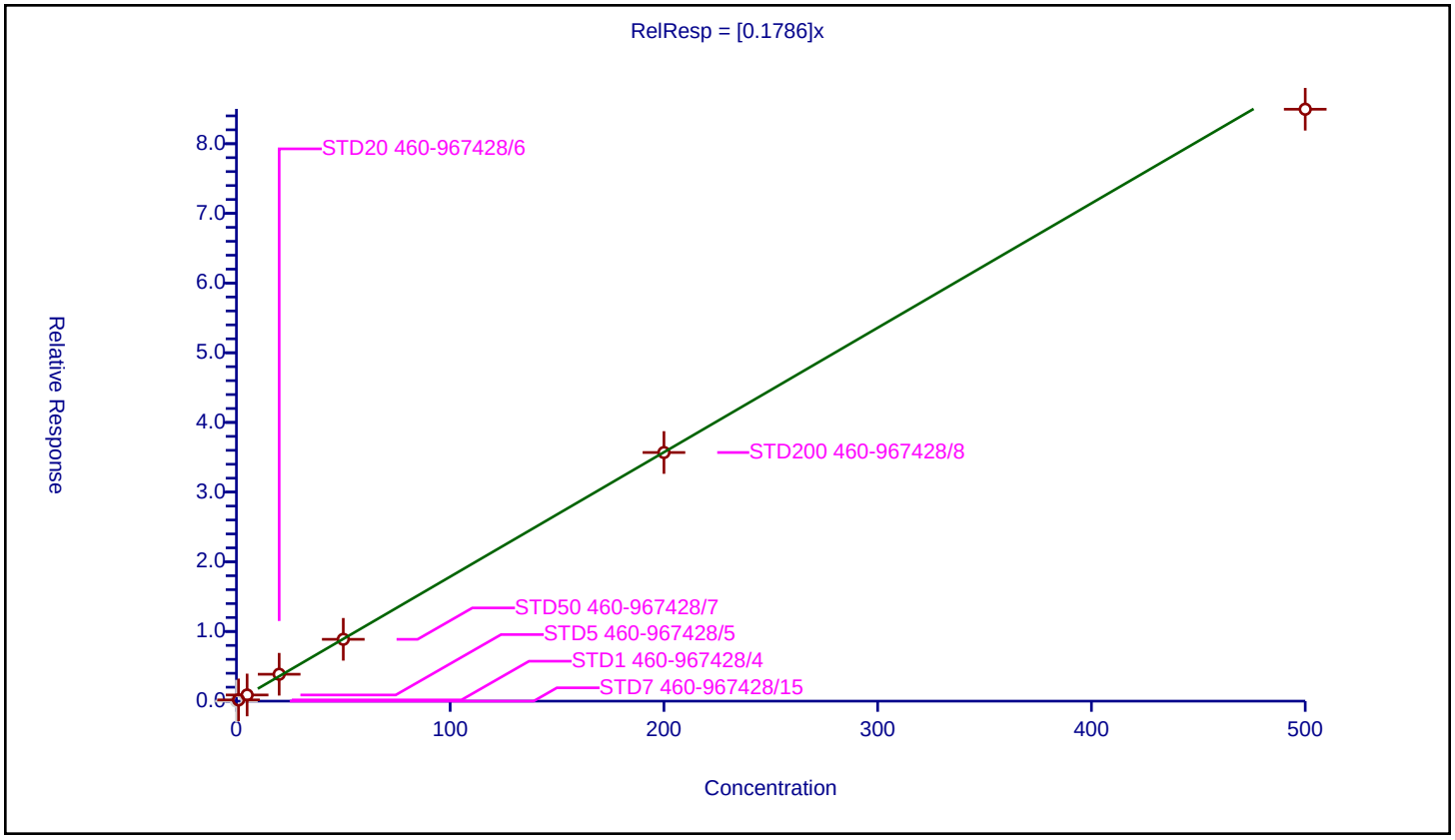
Curve Coefficients

Intercept:	0
Slope:	0.1786

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.176103	50.0	667222.0	0.176103	Y
3	STD5 460-967428/5	5.0	0.88454	50.0	683802.0	0.176908	Y
4	STD20 460-967428/6	20.0	3.857983	50.0	677919.0	0.192899	Y
5	STD50 460-967428/7	50.0	8.874262	50.0	695517.0	0.177485	Y
6	STD200 460-967428/8	200.0	35.683434	50.0	751982.0	0.178417	Y
7	STD500 460-967428/9	500.0	84.951938	50.0	746023.0	0.169904	Y



Calibration / Acetone

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

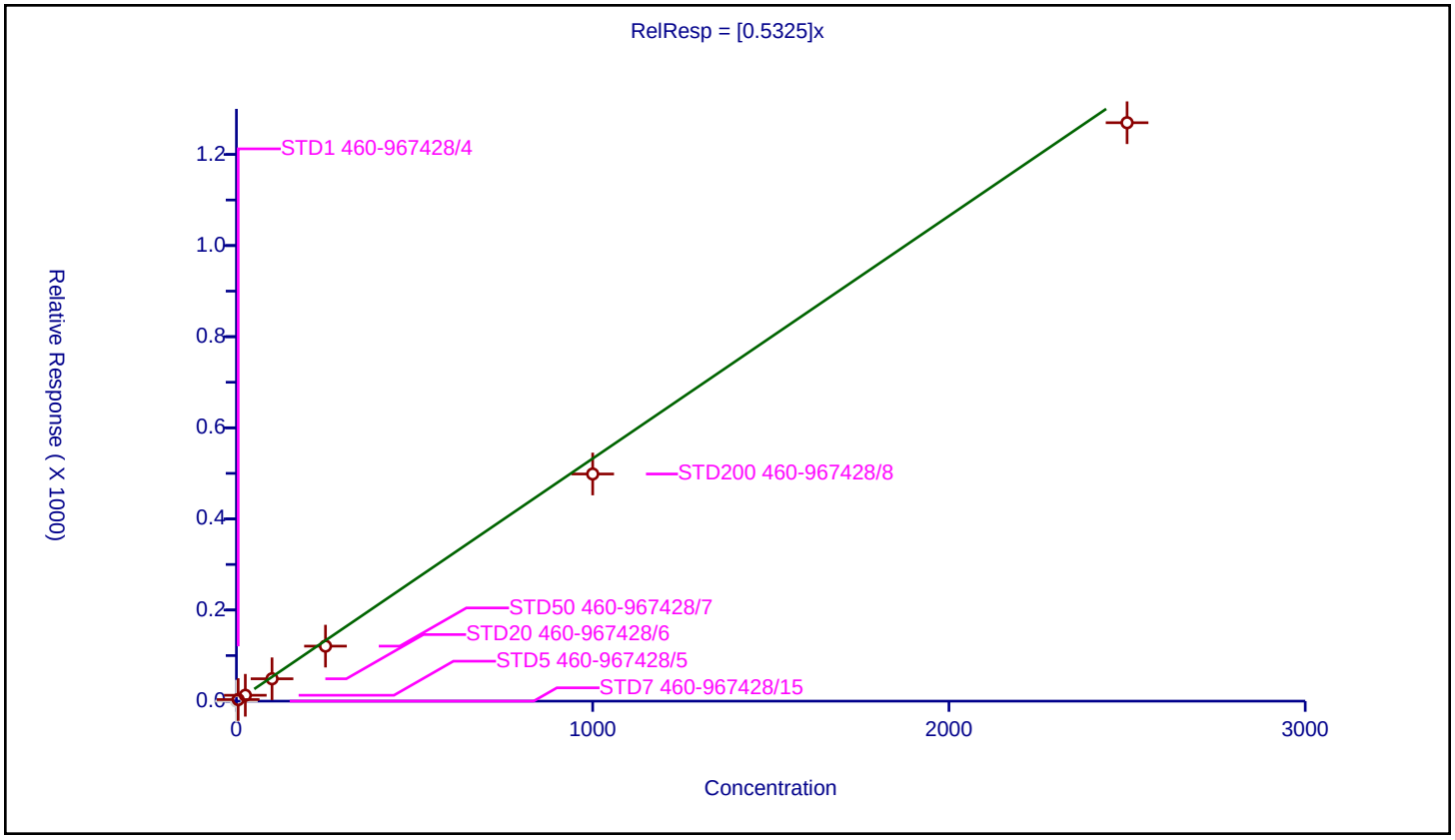
Curve Coefficients

Intercept:	0
Slope:	0.5325

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	250.0	344477.0	NaN	N
2	STD1 460-967428/4	5.0	3.494783	250.0	381998.0	0.698957	Y
3	STD5 460-967428/5	25.0	12.884598	250.0	387808.0	0.515384	Y
4	STD20 460-967428/6	100.0	49.095545	250.0	371826.0	0.490955	Y
5	STD50 460-967428/7	250.0	120.781529	250.0	348586.0	0.483126	Y
6	STD200 460-967428/8	1000.0	498.57726	250.0	371115.0	0.498577	Y
7	STD500 460-967428/9	2500.0	1269.638395	250.0	341754.0	0.507855	Y



Calibration / Iodomethane

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

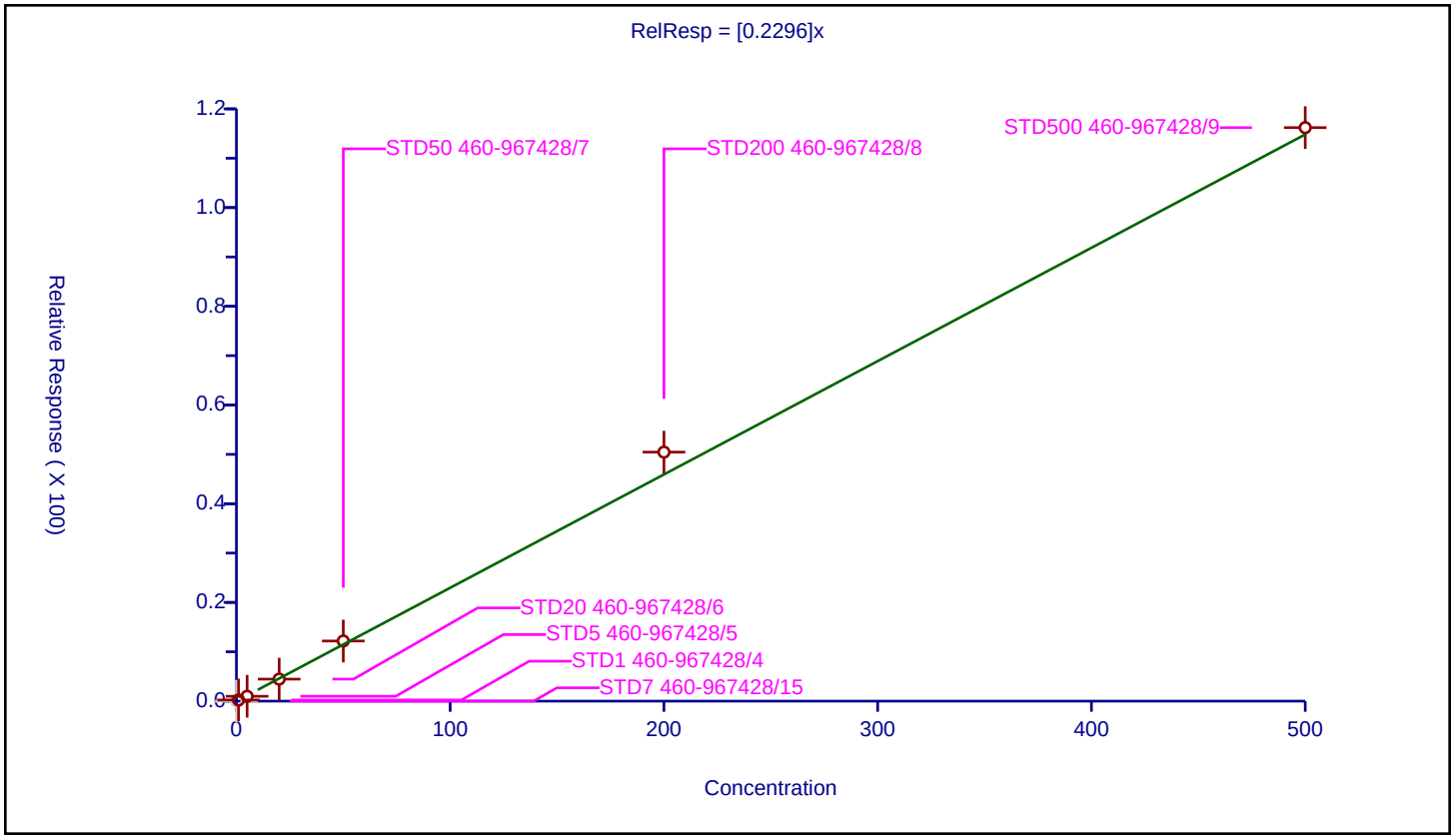
Curve Coefficients

Intercept:	0
Slope:	0.2296

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.229009	50.0	667222.0	0.229009	Y
3	STD5 460-967428/5	5.0	0.986908	50.0	683802.0	0.197382	Y
4	STD20 460-967428/6	20.0	4.461742	50.0	677919.0	0.223087	Y
5	STD50 460-967428/7	50.0	12.184677	50.0	695517.0	0.243694	Y
6	STD200 460-967428/8	200.0	50.454333	50.0	751982.0	0.252272	Y
7	STD500 460-967428/9	500.0	116.203388	50.0	746023.0	0.232407	Y



Calibration / Isopropyl alcohol

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

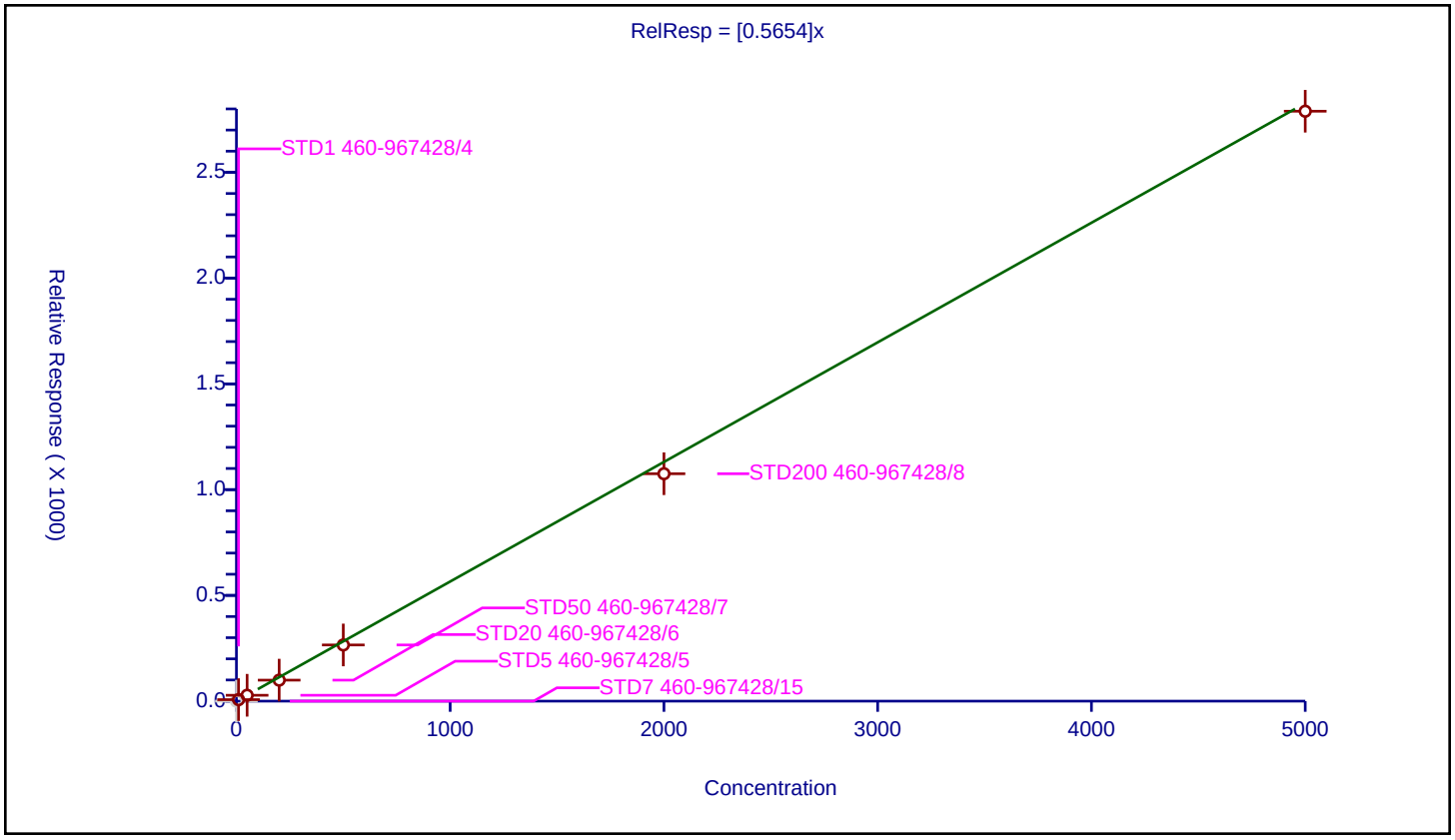
Curve Coefficients

Intercept:	0
Slope:	0.5654

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	10.0	7.135975	1000.0	270881.0	0.713597	Y
3	STD5 460-967428/5	50.0	27.791351	1000.0	261952.0	0.555827	Y
4	STD20 460-967428/6	200.0	99.28605	1000.0	242874.0	0.49643	Y
5	STD50 460-967428/7	500.0	265.576674	1000.0	217922.0	0.531153	Y
6	STD200 460-967428/8	2000.0	1075.100021	1000.0	209707.0	0.53755	Y
7	STD500 460-967428/9	5000.0	2789.022414	1000.0	208534.0	0.557804	Y



Calibration / Carbon disulfide

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

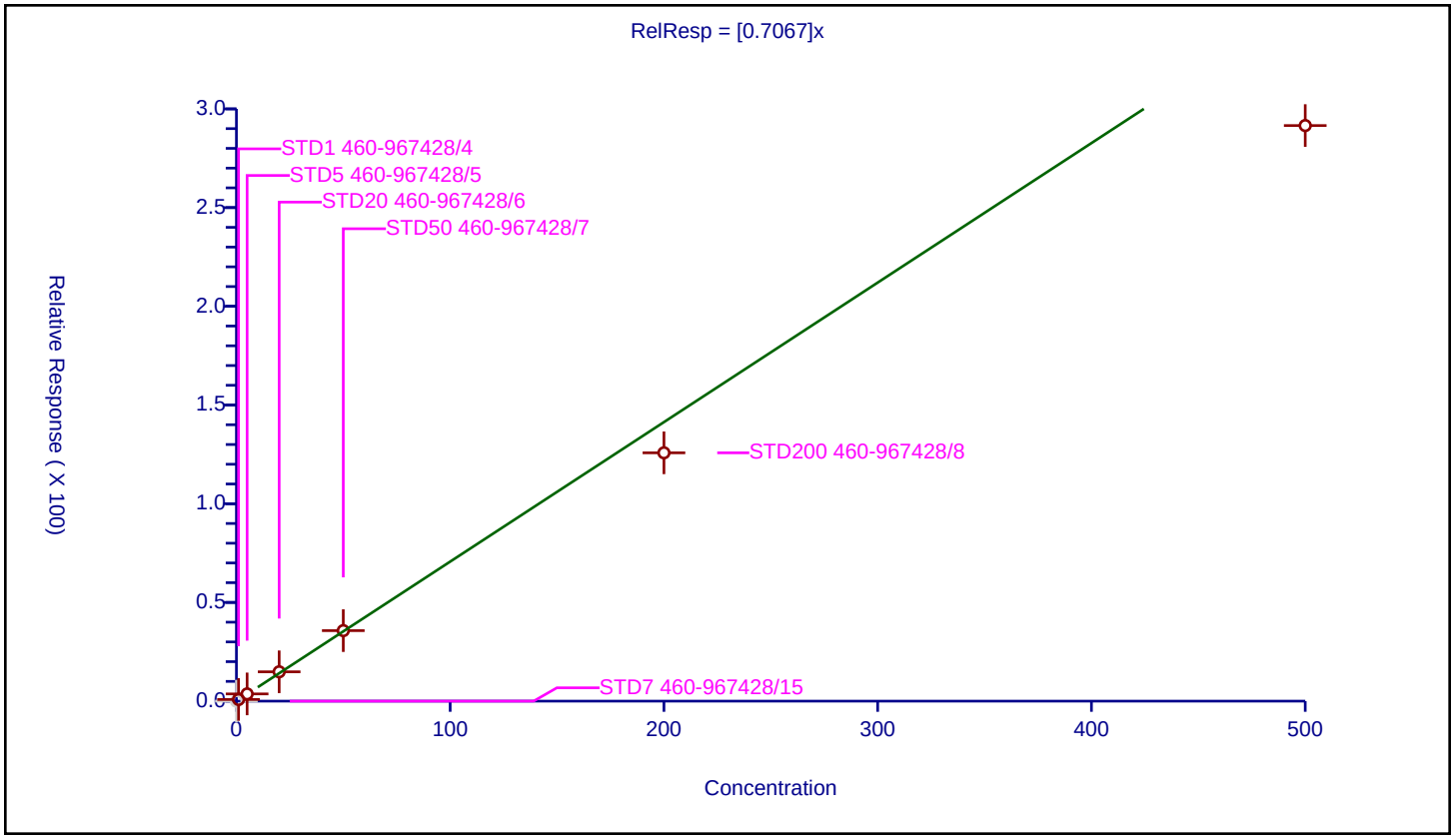
Curve Coefficients

Intercept:	0
Slope:	0.7067

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.838851	50.0	667222.0	0.838851	Y
3	STD5 460-967428/5	5.0	3.65932	50.0	683802.0	0.731864	Y
4	STD20 460-967428/6	20.0	14.863206	50.0	677919.0	0.74316	Y
5	STD50 460-967428/7	50.0	35.711708	50.0	695517.0	0.714234	Y
6	STD200 460-967428/8	200.0	125.792838	50.0	751982.0	0.628964	Y
7	STD500 460-967428/9	500.0	291.557164	50.0	746023.0	0.583114	Y



Calibration / 3-Chloro-1-propene

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

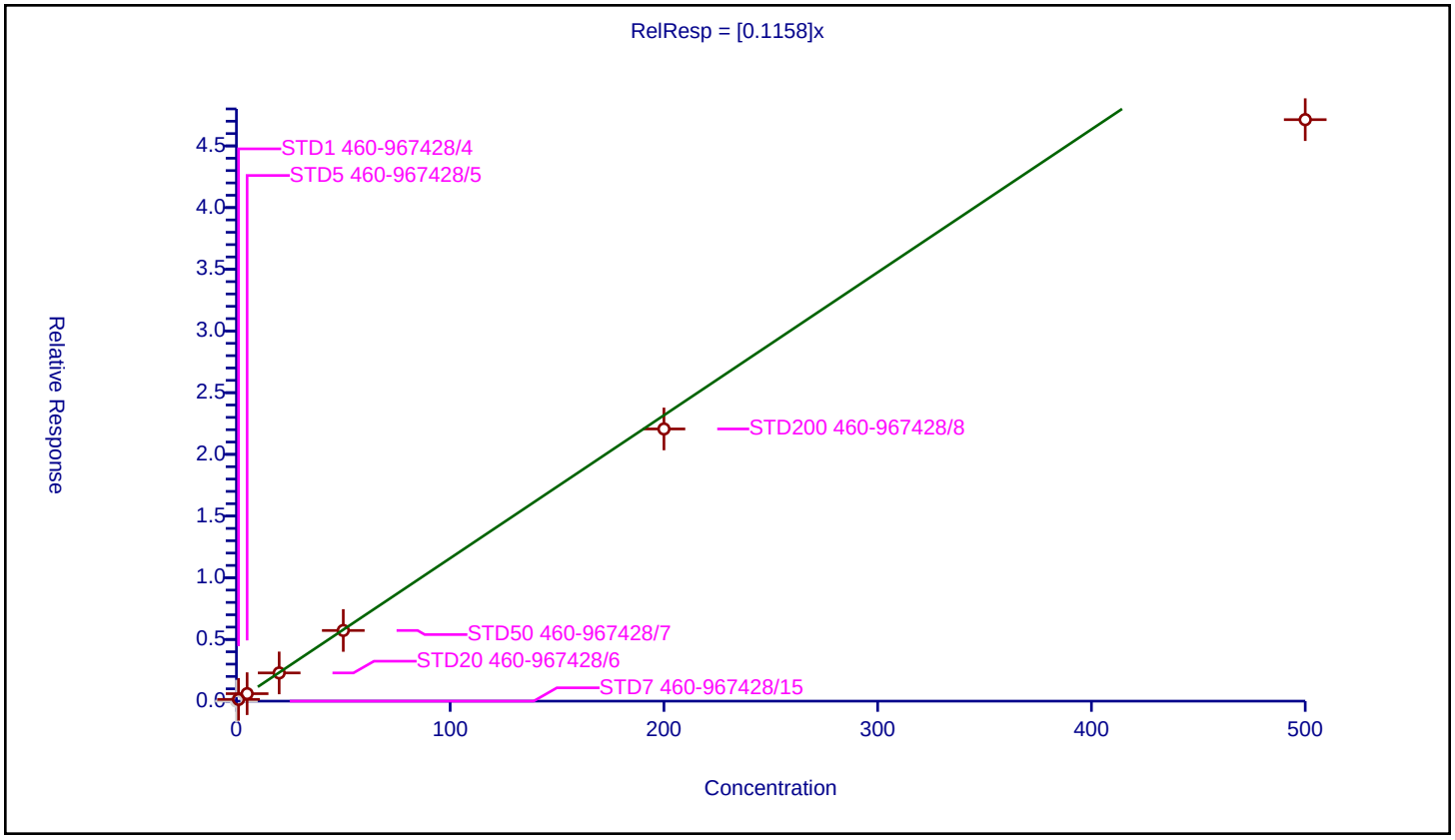
Curve Coefficients

Intercept:	0
Slope:	0.1158

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.140583	50.0	667222.0	0.140583	Y
3	STD5 460-967428/5	5.0	0.605365	50.0	683802.0	0.121073	Y
4	STD20 460-967428/6	20.0	2.286335	50.0	677919.0	0.114317	Y
5	STD50 460-967428/7	50.0	5.727969	50.0	695517.0	0.114559	Y
6	STD200 460-967428/8	200.0	22.059504	50.0	751982.0	0.110298	Y
7	STD500 460-967428/9	500.0	47.127233	50.0	746023.0	0.094254	Y



Calibration / Methyl acetate

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

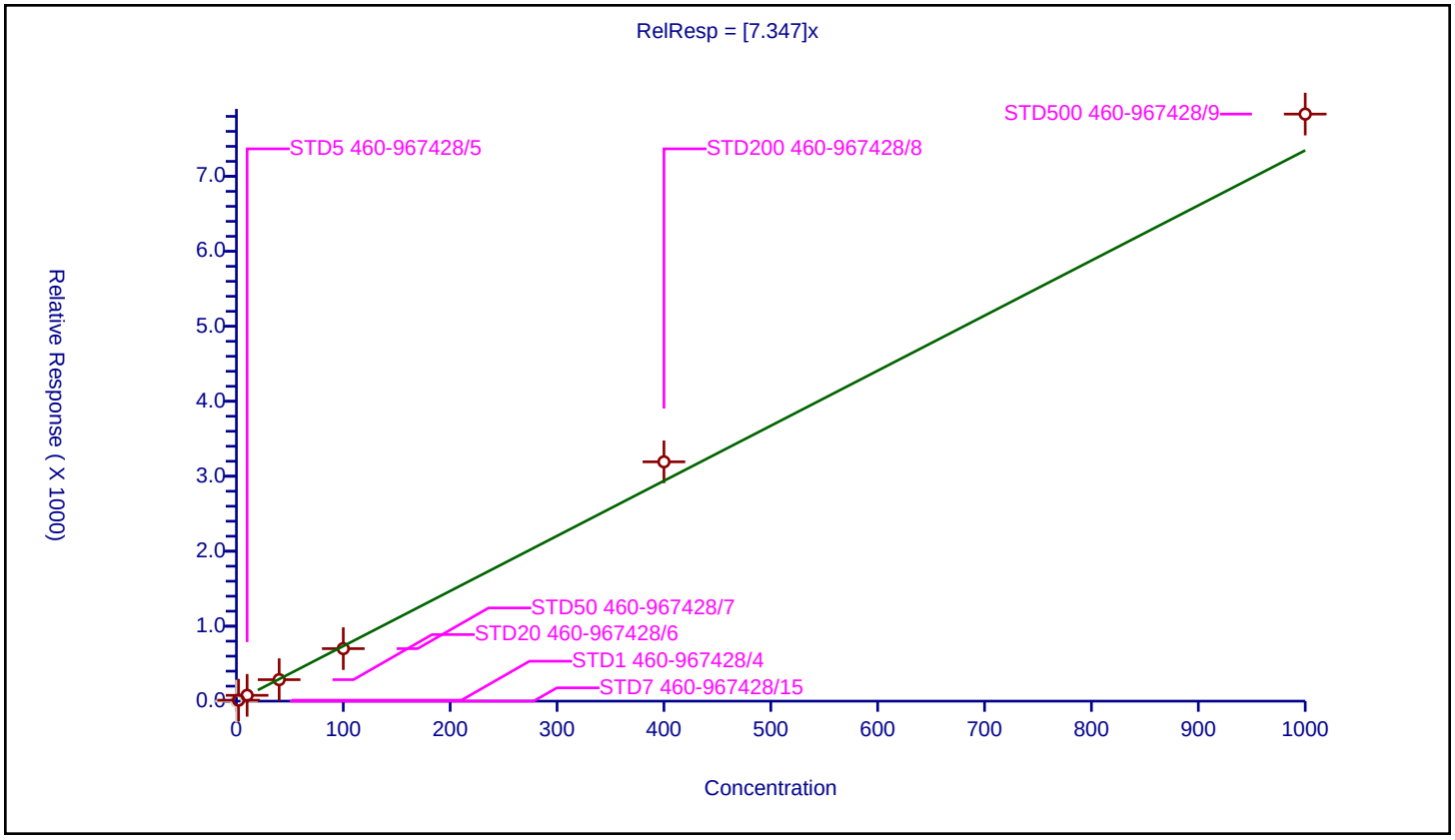
Curve Coefficients

Intercept:	0
Slope:	7.347

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	2.0	12.662387	1000.0	270881.0	6.331193	Y
3	STD5 460-967428/5	10.0	77.670718	1000.0	261952.0	7.767072	Y
4	STD20 460-967428/6	40.0	286.613635	1000.0	242874.0	7.165341	Y
5	STD50 460-967428/7	100.0	700.498343	1000.0	217922.0	7.004983	Y
6	STD200 460-967428/8	400.0	3192.296871	1000.0	209707.0	7.980742	Y
7	STD500 460-967428/9	1000.0	7830.828546	1000.0	208534.0	7.830829	Y



Calibration / Cyclopentene

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

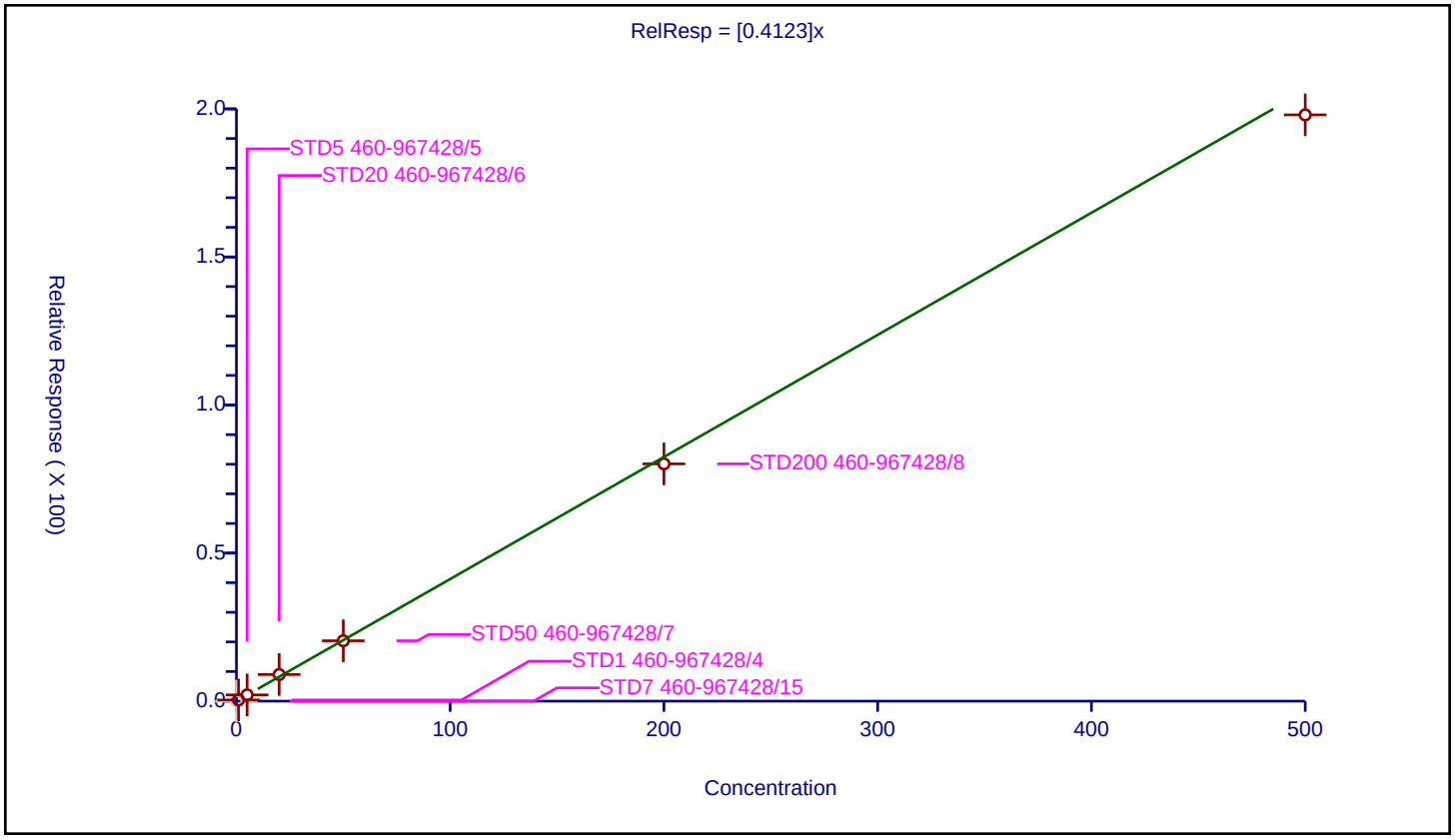
Curve Coefficients

Intercept:	0
Slope:	0.4123

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.397694	50.0	667222.0	0.397694	Y
3	STD5 460-967428/5	5.0	2.113039	50.0	683802.0	0.422608	Y
4	STD20 460-967428/6	20.0	8.98389	50.0	677919.0	0.449195	Y
5	STD50 460-967428/7	50.0	20.384117	50.0	695517.0	0.407682	Y
6	STD200 460-967428/8	200.0	80.123194	50.0	751982.0	0.400616	Y
7	STD500 460-967428/9	500.0	197.981027	50.0	746023.0	0.395962	Y



Calibration / Acetonitrile

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

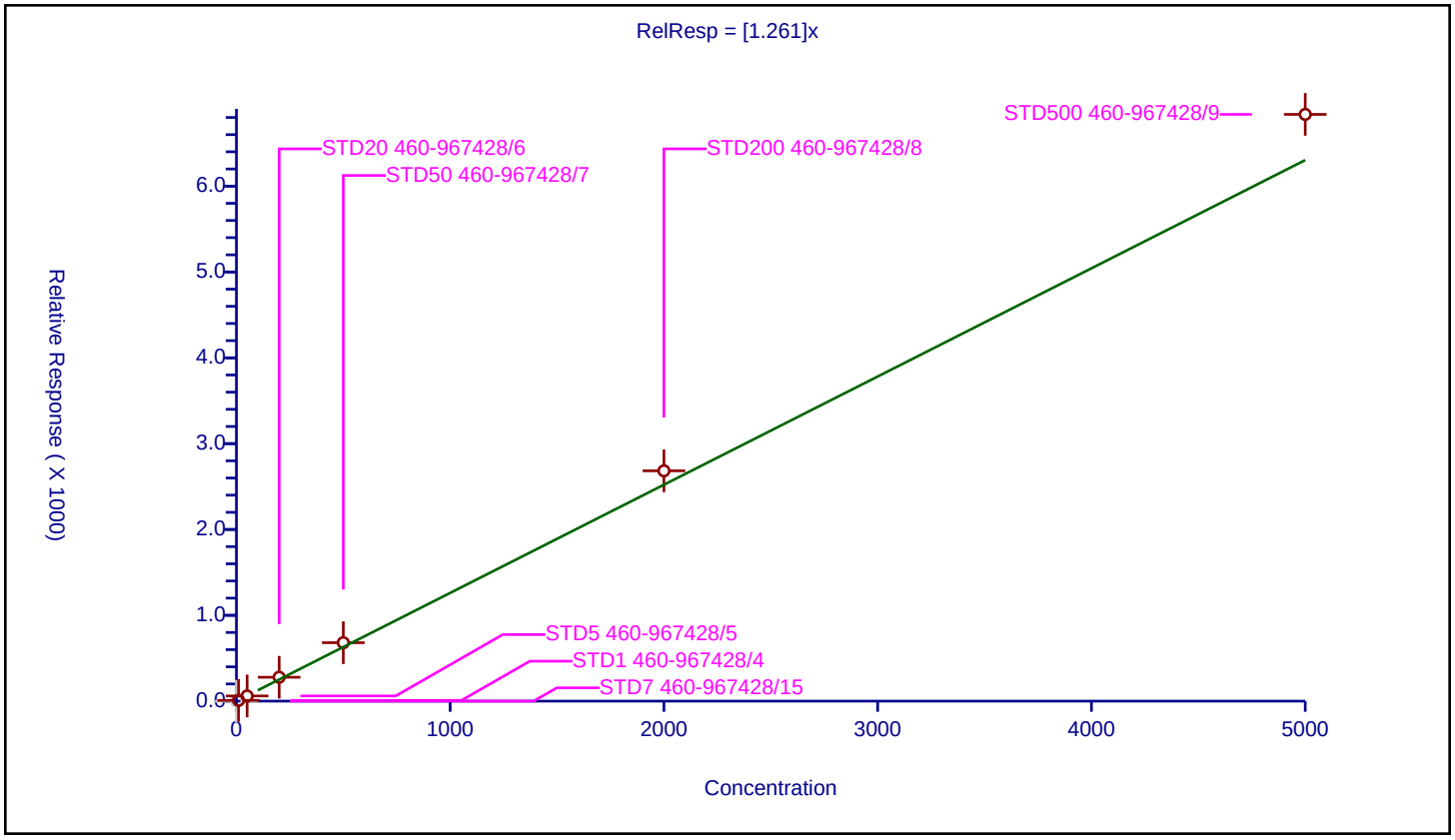
Curve Coefficients

Intercept:	0
Slope:	1.261

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	10.0	8.970729	1000.0	270881.0	0.897073	Y
3	STD5 460-967428/5	50.0	60.213322	1000.0	261952.0	1.204266	Y
4	STD20 460-967428/6	200.0	278.296565	1000.0	242874.0	1.391483	Y
5	STD50 460-967428/7	500.0	681.101495	1000.0	217922.0	1.362203	Y
6	STD200 460-967428/8	2000.0	2683.463118	1000.0	209707.0	1.341732	Y
7	STD500 460-967428/9	5000.0	6836.208964	1000.0	208534.0	1.367242	Y



Calibration / Methylene Chloride

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

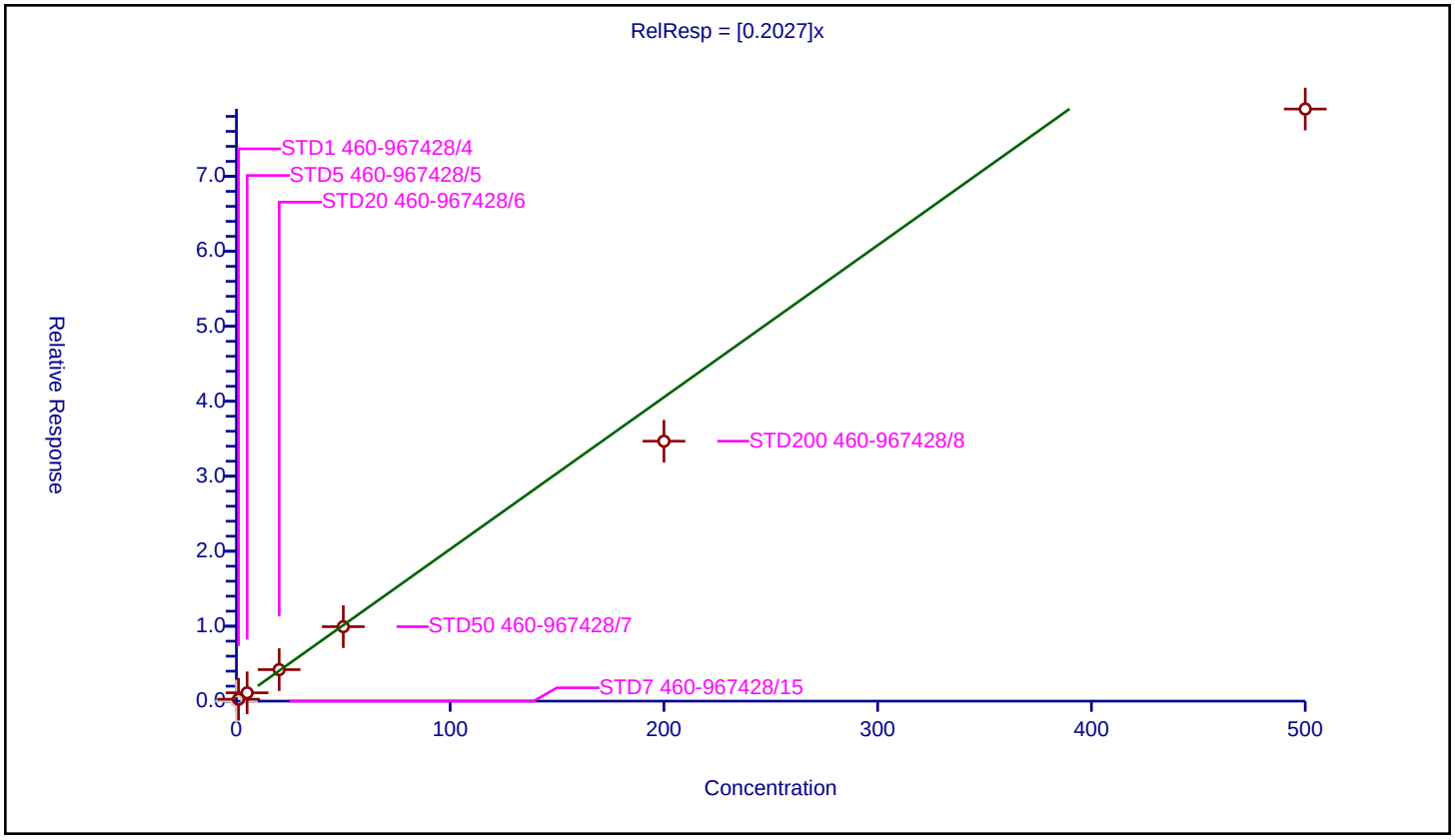
Curve Coefficients

Intercept:	0
Slope:	0.2027

Error Coefficients

Relative Standard Deviation:	16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.253214	50.0	667222.0	0.253214	Y
3	STD5 460-967428/5	5.0	1.113334	50.0	683802.0	0.222667	Y
4	STD20 460-967428/6	20.0	4.205222	50.0	677919.0	0.210261	Y
5	STD50 460-967428/7	50.0	9.932899	50.0	695517.0	0.198658	Y
6	STD200 460-967428/8	200.0	34.676029	50.0	751982.0	0.17338	Y
7	STD500 460-967428/9	500.0	78.98101	50.0	746023.0	0.157962	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

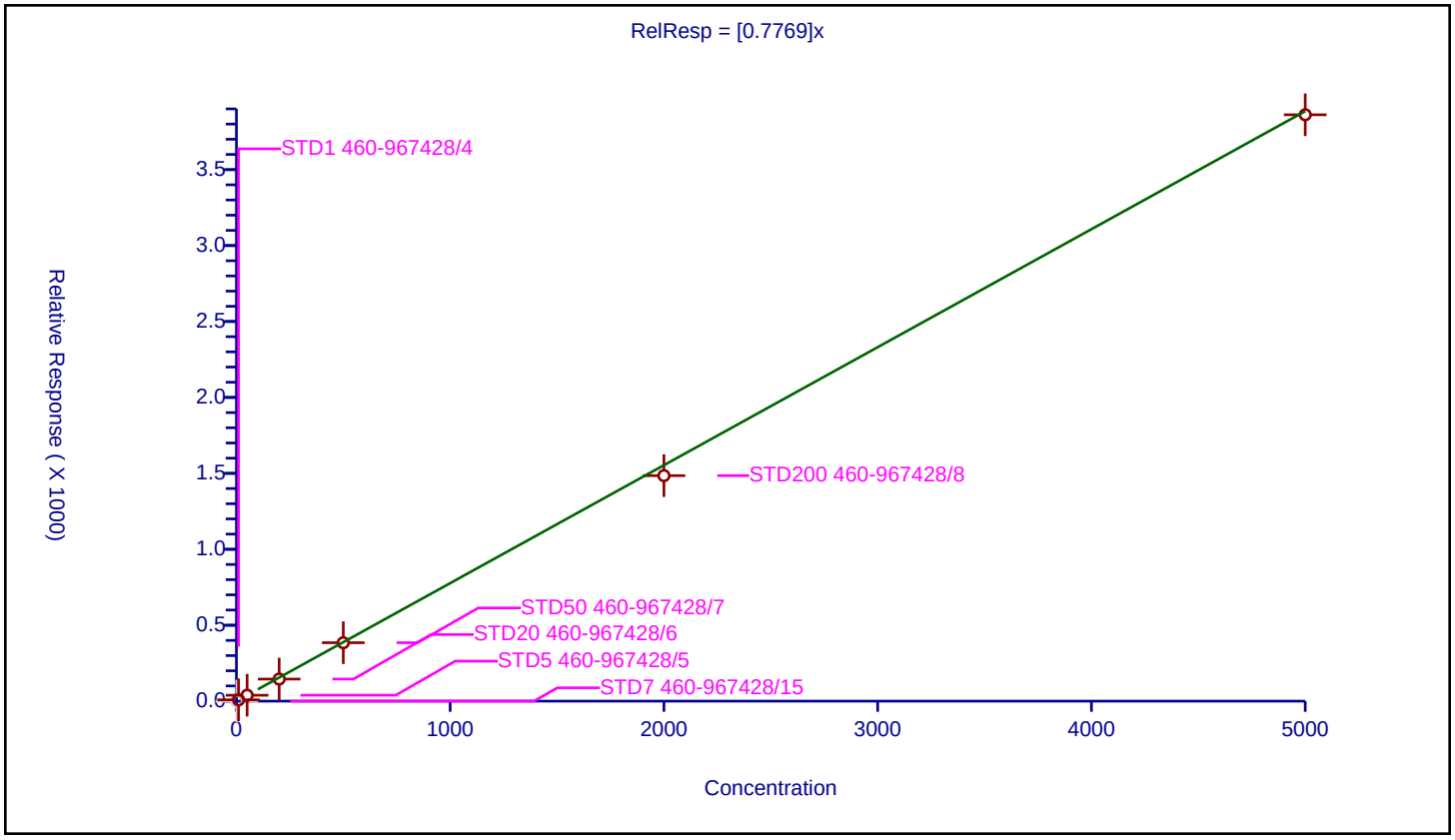
Curve Coefficients

Intercept:	0
Slope:	0.7769

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	2.0	0.0	1000.0	249190.0	0.0	N
2	STD1 460-967428/4	10.0	8.741846	1000.0	270881.0	0.874185	Y
3	STD5 460-967428/5	50.0	38.835359	1000.0	261952.0	0.776707	Y
4	STD20 460-967428/6	200.0	145.342853	1000.0	242874.0	0.726714	Y
5	STD50 460-967428/7	500.0	384.633034	1000.0	217922.0	0.769266	Y
6	STD200 460-967428/8	2000.0	1484.90513	1000.0	209707.0	0.742453	Y
7	STD500 460-967428/9	5000.0	3861.322374	1000.0	208534.0	0.772264	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

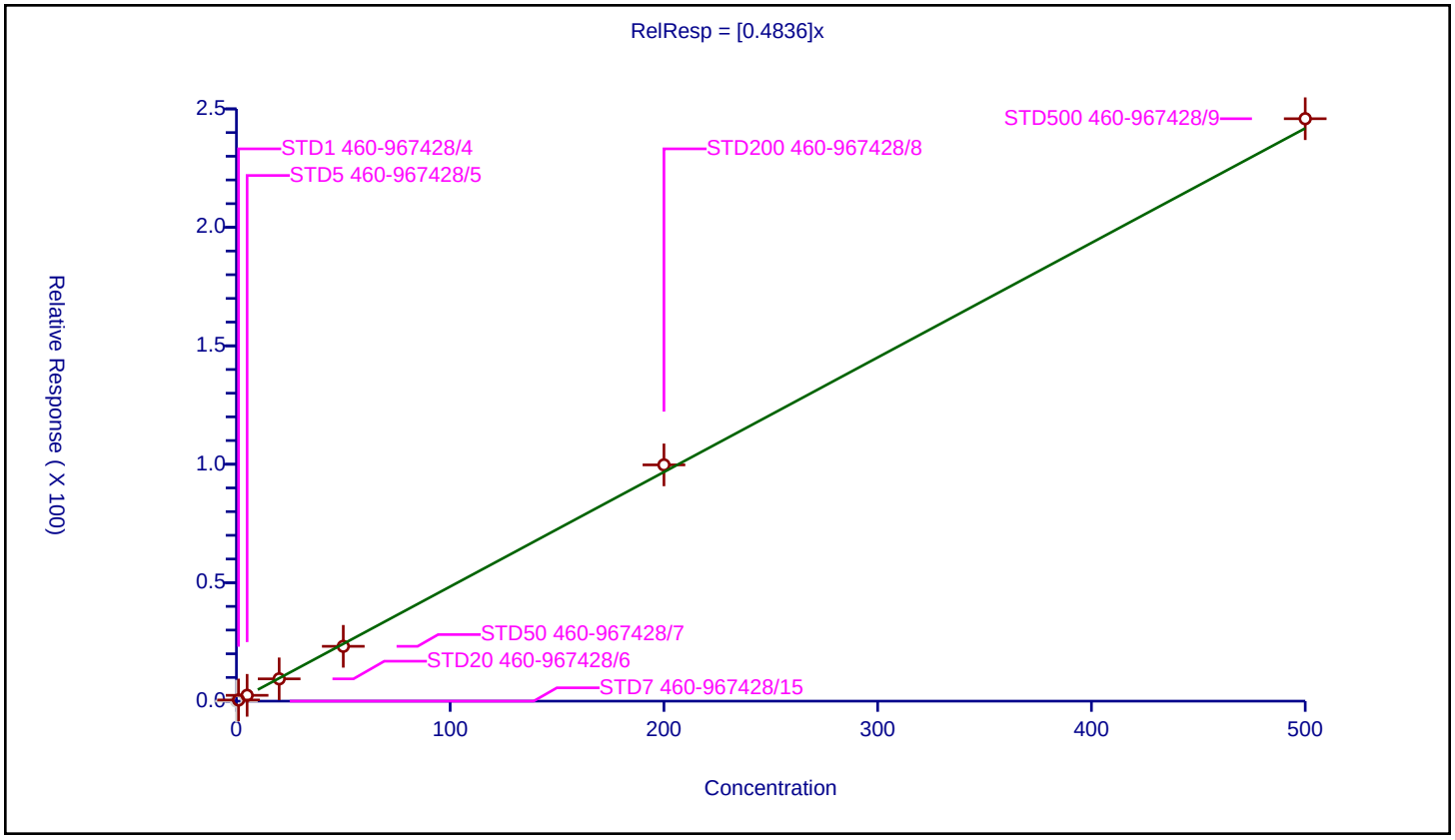
Curve Coefficients

Intercept:	0
Slope:	0.4836

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.487844	50.0	667222.0	0.487844	Y
3	STD5 460-967428/5	5.0	2.451075	50.0	683802.0	0.490215	Y
4	STD20 460-967428/6	20.0	9.406065	50.0	677919.0	0.470303	Y
5	STD50 460-967428/7	50.0	23.145229	50.0	695517.0	0.462905	Y
6	STD200 460-967428/8	200.0	99.730047	50.0	751982.0	0.49865	Y
7	STD500 460-967428/9	500.0	245.850061	50.0	746023.0	0.4917	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

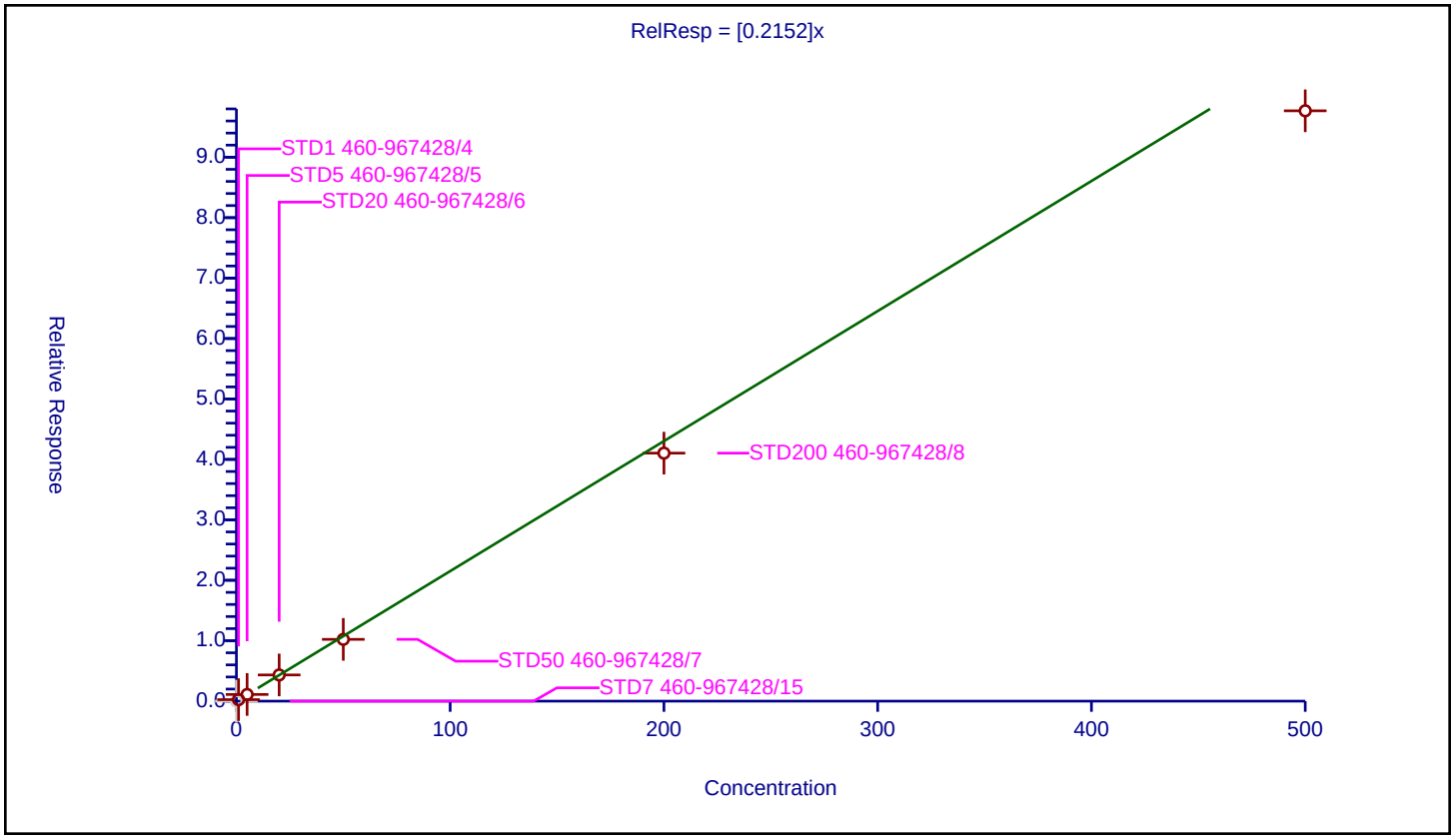
Curve Coefficients

Intercept:	0
Slope:	0.2152

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.248118	50.0	667222.0	0.248118	Y
3	STD5 460-967428/5	5.0	1.105876	50.0	683802.0	0.221175	Y
4	STD20 460-967428/6	20.0	4.332597	50.0	677919.0	0.21663	Y
5	STD50 460-967428/7	50.0	10.223762	50.0	695517.0	0.204475	Y
6	STD200 460-967428/8	200.0	41.03569	50.0	751982.0	0.205178	Y
7	STD500 460-967428/9	500.0	97.6805	50.0	746023.0	0.195361	Y



Calibration / Acrylonitrile

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

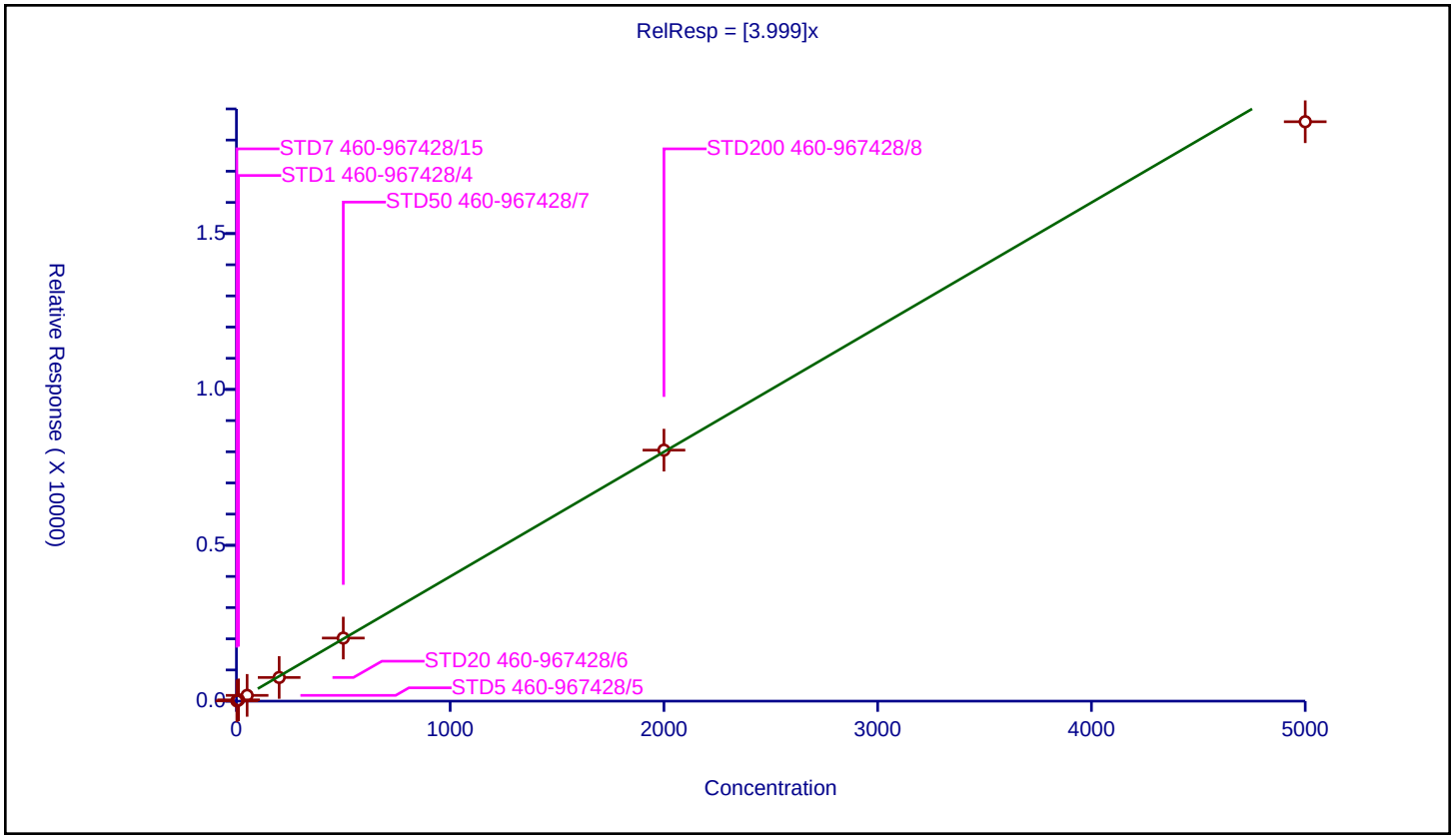
Curve Coefficients

Intercept:	0
Slope:	3.999

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	2.0	9.302139	1000.0	249190.0	4.651069	Y
2	STD1 460-967428/4	10.0	40.545479	1000.0	270881.0	4.054548	Y
3	STD5 460-967428/5	50.0	184.827755	1000.0	261952.0	3.696555	Y
4	STD20 460-967428/6	200.0	759.286708	1000.0	242874.0	3.796434	Y
5	STD50 460-967428/7	500.0	2023.985646	1000.0	217922.0	4.047971	Y
6	STD200 460-967428/8	2000.0	8052.559047	1000.0	209707.0	4.02628	Y
7	STD500 460-967428/9	5000.0	18588.39326	1000.0	208534.0	3.717679	Y



Calibration / Hexane

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

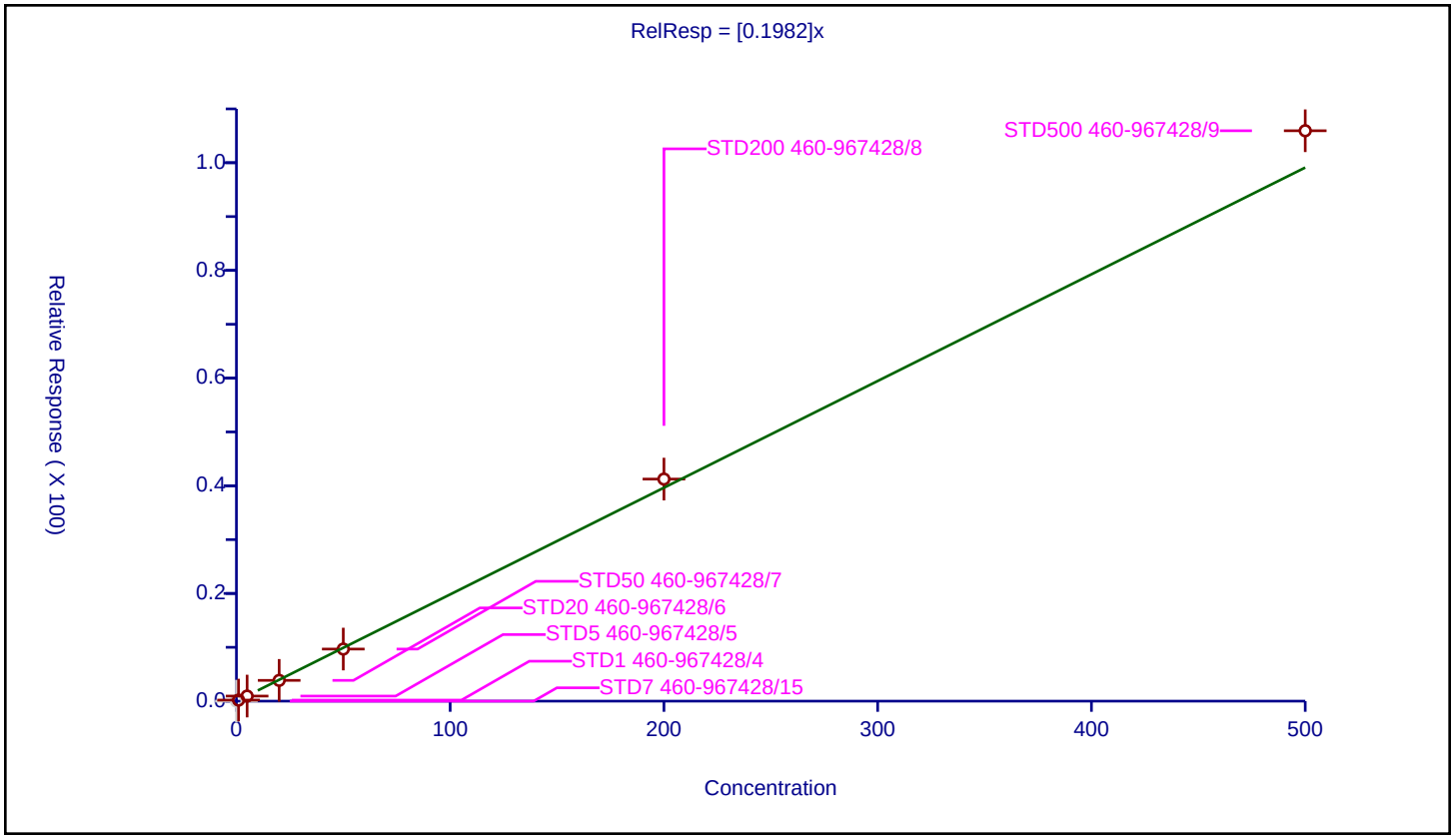
Curve Coefficients

Intercept:	0
Slope:	0.1982

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.196636	50.0	667222.0	0.196636	Y
3	STD5 460-967428/5	5.0	0.941135	50.0	683802.0	0.188227	Y
4	STD20 460-967428/6	20.0	3.856065	50.0	677919.0	0.192803	Y
5	STD50 460-967428/7	50.0	9.672517	50.0	695517.0	0.19345	Y
6	STD200 460-967428/8	200.0	41.244338	50.0	751982.0	0.206222	Y
7	STD500 460-967428/9	500.0	105.940568	50.0	746023.0	0.211881	Y



Calibration / Isopropyl ether

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

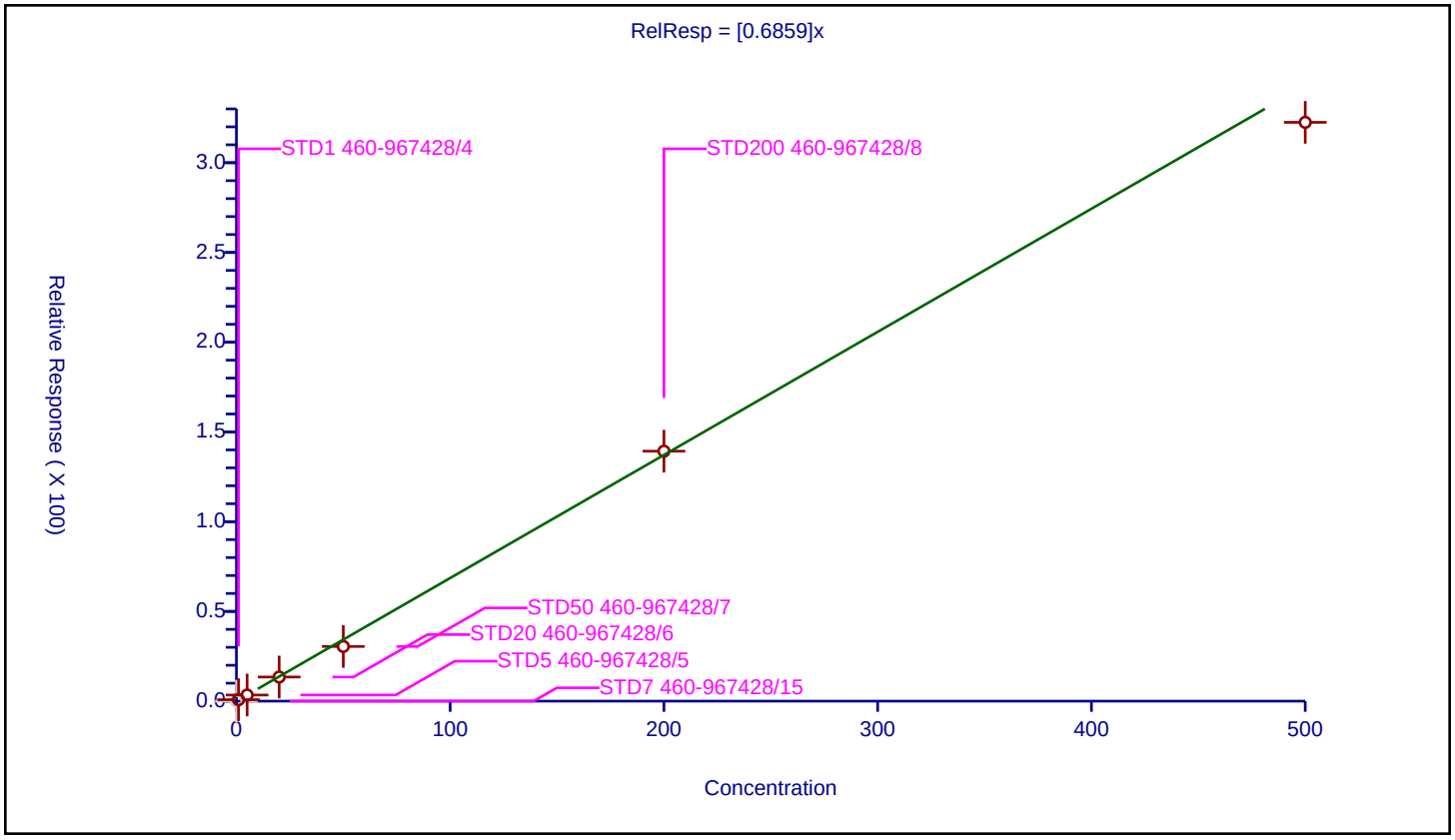
Curve Coefficients

Intercept:	0
Slope:	0.6859

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.811949	50.0	667222.0	0.811949	Y
3	STD5 460-967428/5	5.0	3.404421	50.0	683802.0	0.680884	Y
4	STD20 460-967428/6	20.0	13.437962	50.0	677919.0	0.671898	Y
5	STD50 460-967428/7	50.0	30.462088	50.0	695517.0	0.609242	Y
6	STD200 460-967428/8	200.0	139.278001	50.0	751982.0	0.69639	Y
7	STD500 460-967428/9	500.0	322.504534	50.0	746023.0	0.645009	Y



Calibration / 1,1-Dichloroethane

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

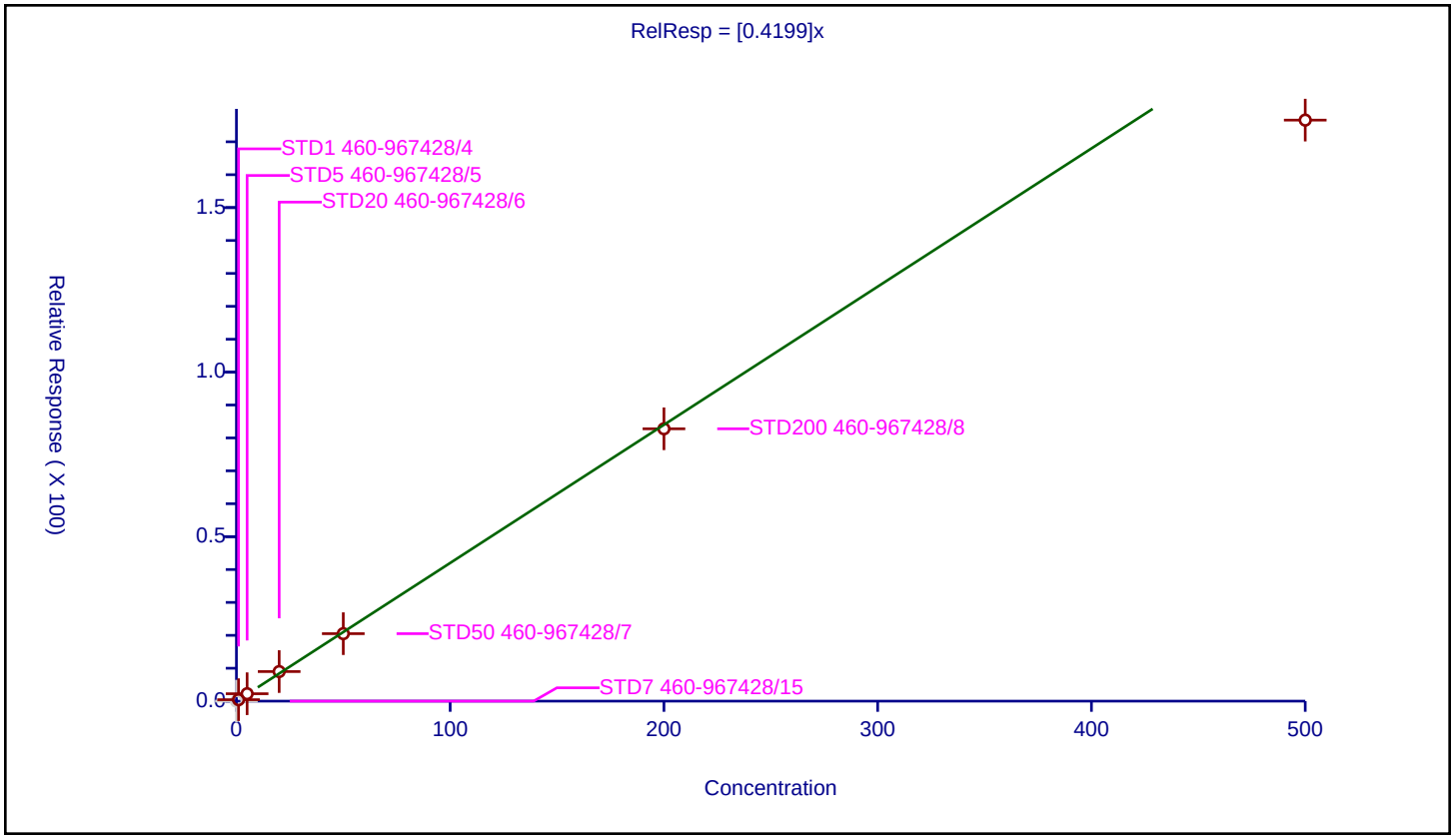
Curve Coefficients

Intercept:	0
Slope:	0.4199

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.442207	50.0	667222.0	0.442207	Y
3	STD5 460-967428/5	5.0	2.254234	50.0	683802.0	0.450847	Y
4	STD20 460-967428/6	20.0	8.988242	50.0	677919.0	0.449412	Y
5	STD50 460-967428/7	50.0	20.506185	50.0	695517.0	0.410124	Y
6	STD200 460-967428/8	200.0	82.77246	50.0	751982.0	0.413862	Y
7	STD500 460-967428/9	500.0	176.588523	50.0	746023.0	0.353177	Y



Calibration / Vinyl acetate

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

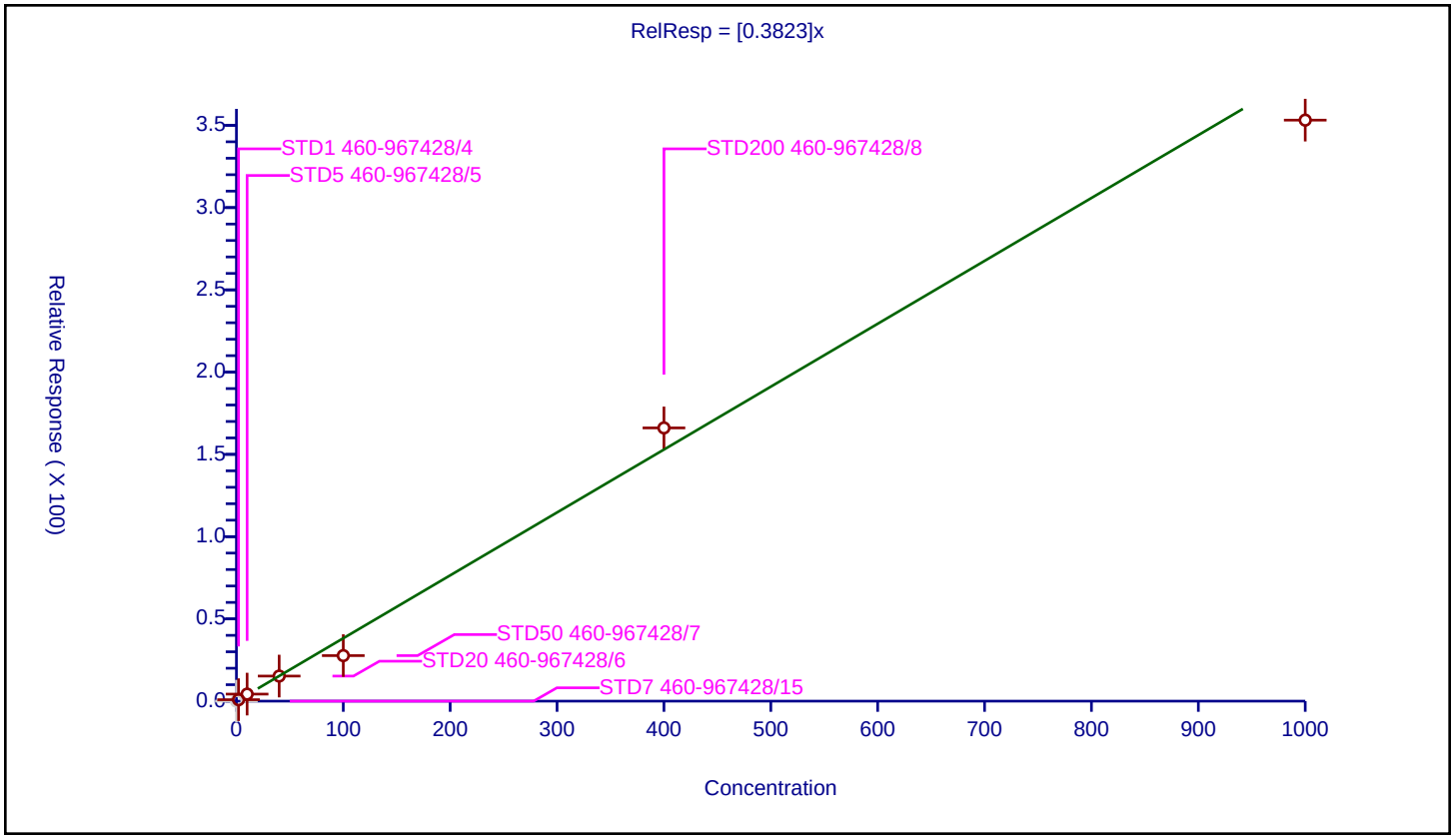
Curve Coefficients

Intercept:	0
Slope:	0.3823

Error Coefficients

Relative Standard Deviation:	15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	2.0	0.877594	50.0	667222.0	0.438797	Y
3	STD5 460-967428/5	10.0	4.288961	50.0	683802.0	0.428896	Y
4	STD20 460-967428/6	40.0	15.242086	50.0	677919.0	0.381052	Y
5	STD50 460-967428/7	100.0	27.669417	50.0	695517.0	0.276694	Y
6	STD200 460-967428/8	400.0	166.080638	50.0	751982.0	0.415202	Y
7	STD500 460-967428/9	1000.0	353.170613	50.0	746023.0	0.353171	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

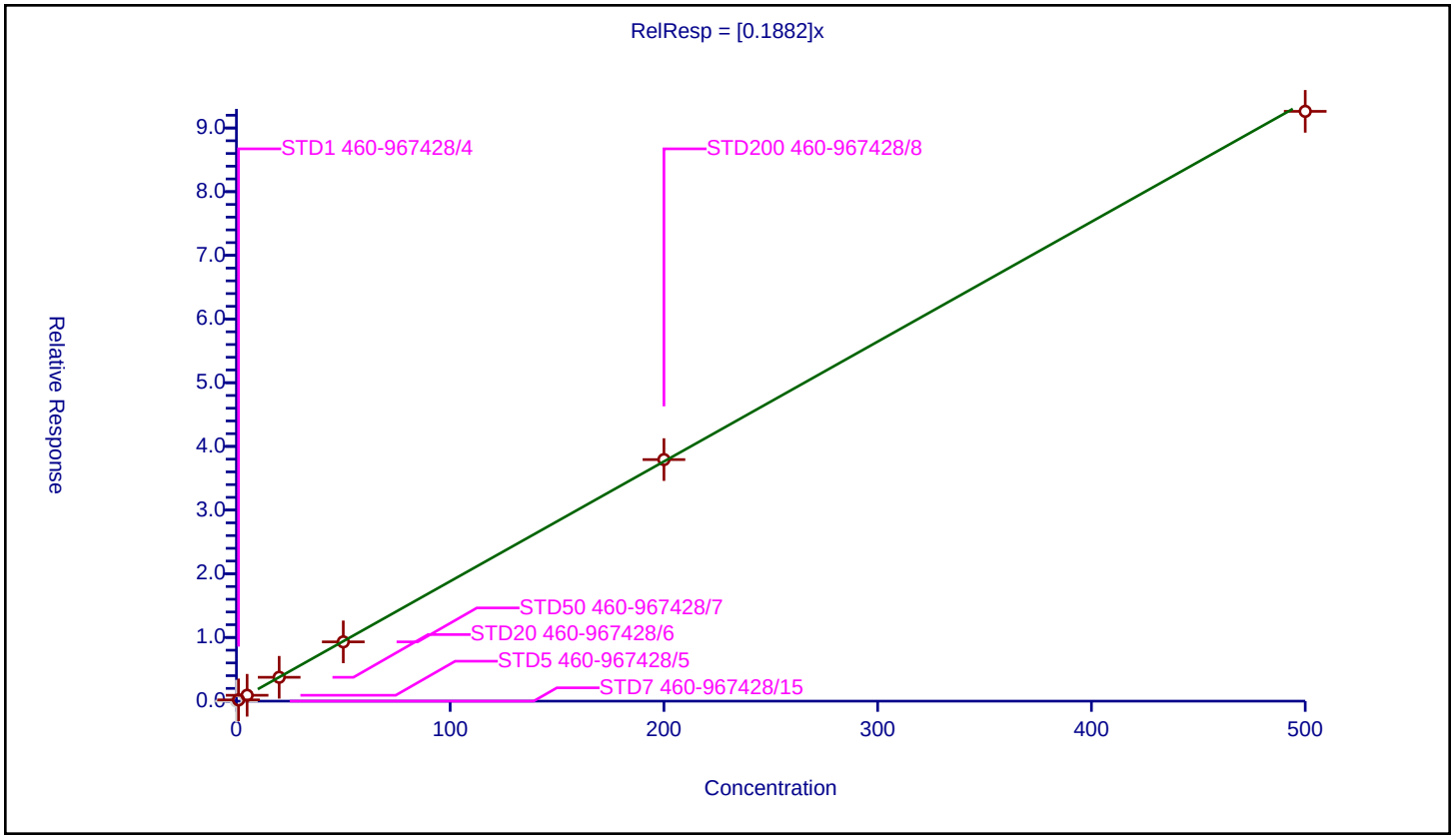
Curve Coefficients

Intercept:	0
Slope:	0.1882

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.196561	50.0	667222.0	0.196561	Y
3	STD5 460-967428/5	5.0	0.921612	50.0	683802.0	0.184322	Y
4	STD20 460-967428/6	20.0	3.744031	50.0	677919.0	0.187202	Y
5	STD50 460-967428/7	50.0	9.305883	50.0	695517.0	0.186118	Y
6	STD200 460-967428/8	200.0	37.931759	50.0	751982.0	0.189659	Y
7	STD500 460-967428/9	500.0	92.616313	50.0	746023.0	0.185233	Y



Calibration / Tert-butyl ethyl ether

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

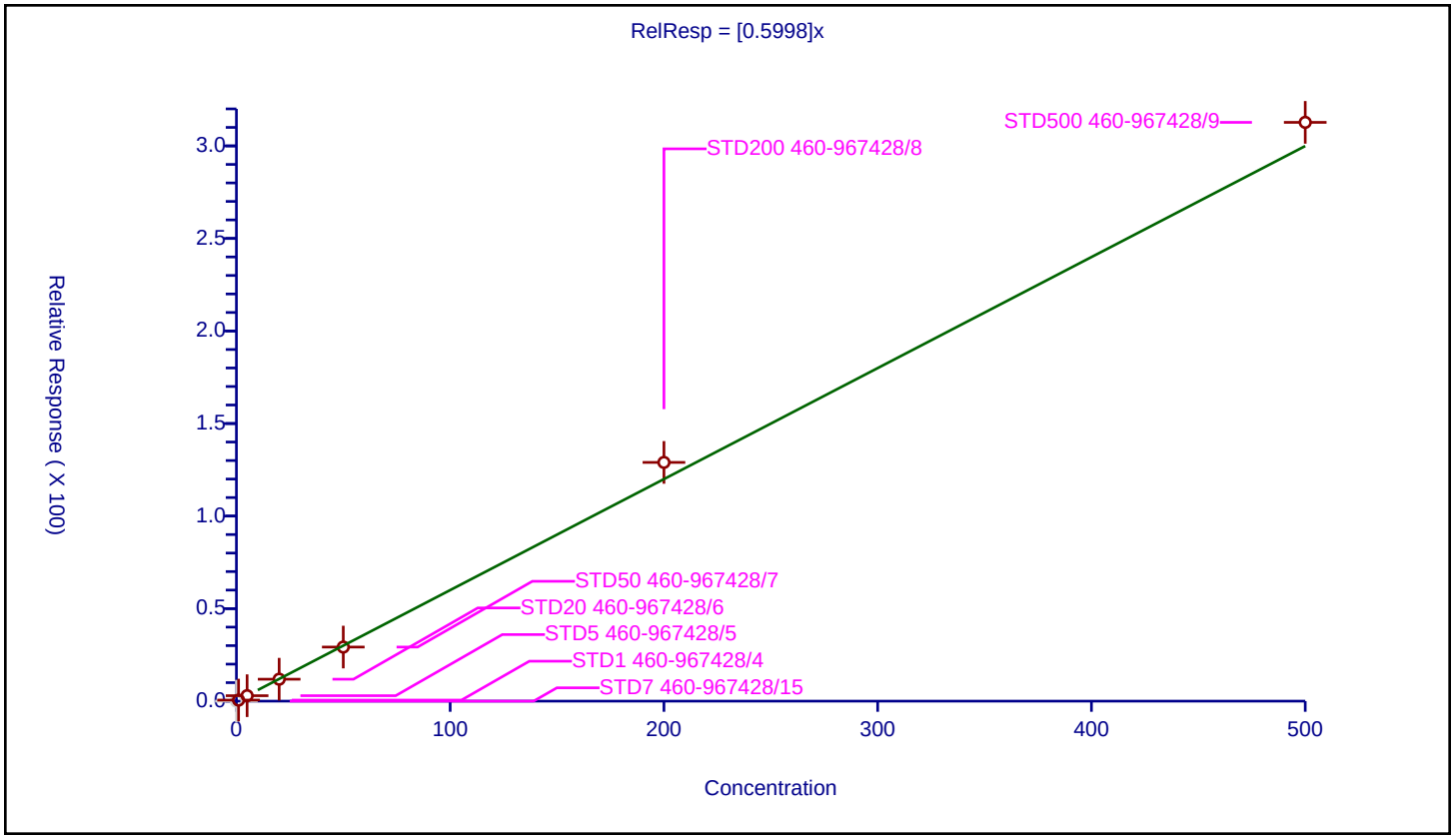
Curve Coefficients

Intercept:	0
Slope:	0.5998

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.562407	50.0	667222.0	0.562407	Y
3	STD5 460-967428/5	5.0	2.947271	50.0	683802.0	0.589454	Y
4	STD20 460-967428/6	20.0	11.849498	50.0	677919.0	0.592475	Y
5	STD50 460-967428/7	50.0	29.218121	50.0	695517.0	0.584362	Y
6	STD200 460-967428/8	200.0	128.985002	50.0	751982.0	0.644925	Y
7	STD500 460-967428/9	500.0	312.722329	50.0	746023.0	0.625445	Y



Calibration / 2,2-Dichloropropane

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

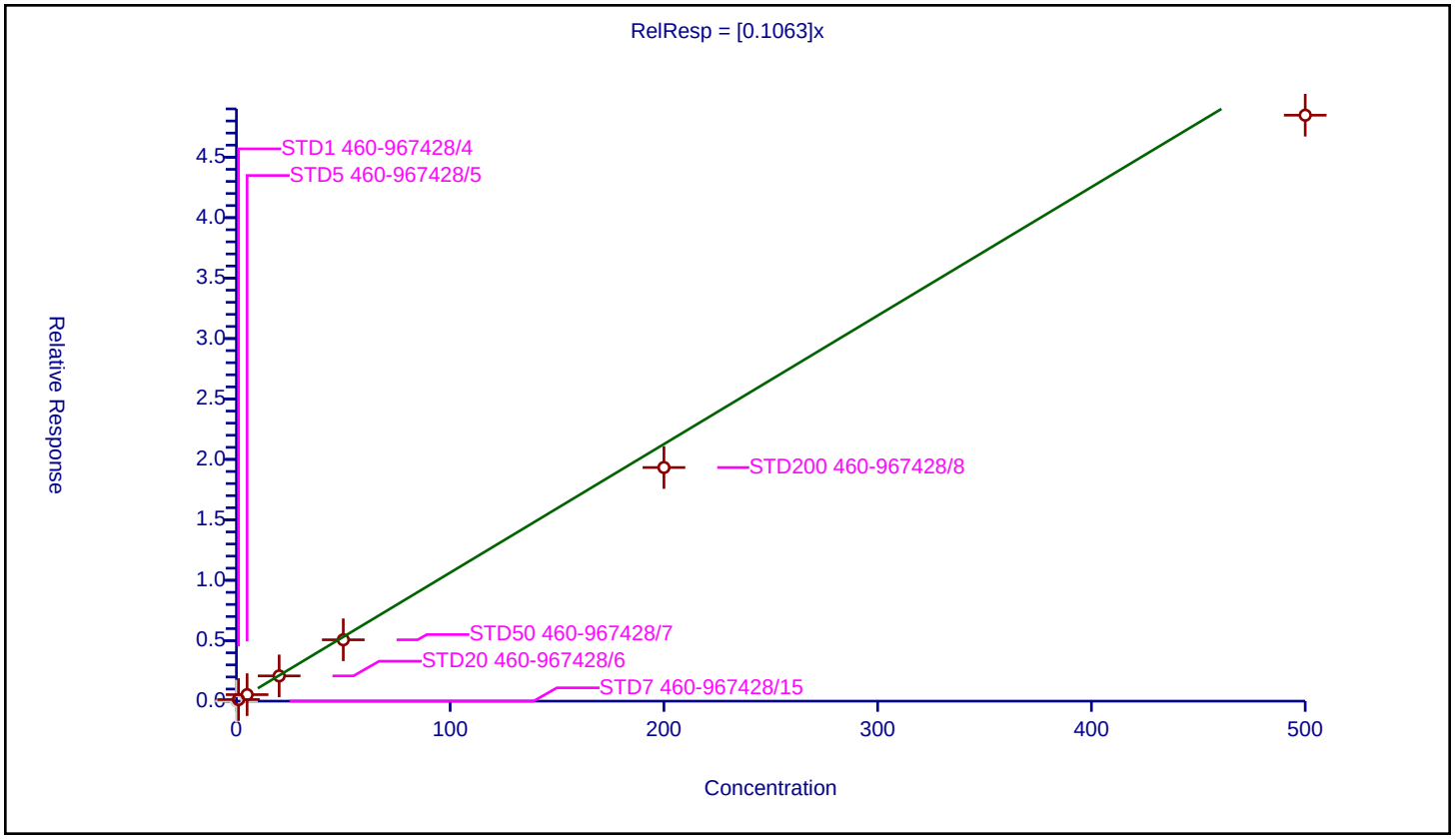
Curve Coefficients

Intercept:	0
Slope:	0.1063

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.130991	50.0	667222.0	0.130991	Y
3	STD5 460-967428/5	5.0	0.537656	50.0	683802.0	0.107531	Y
4	STD20 460-967428/6	20.0	2.08727	50.0	677919.0	0.104364	Y
5	STD50 460-967428/7	50.0	5.075002	50.0	695517.0	0.1015	Y
6	STD200 460-967428/8	200.0	19.328654	50.0	751982.0	0.096643	Y
7	STD500 460-967428/9	500.0	48.478331	50.0	746023.0	0.096957	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

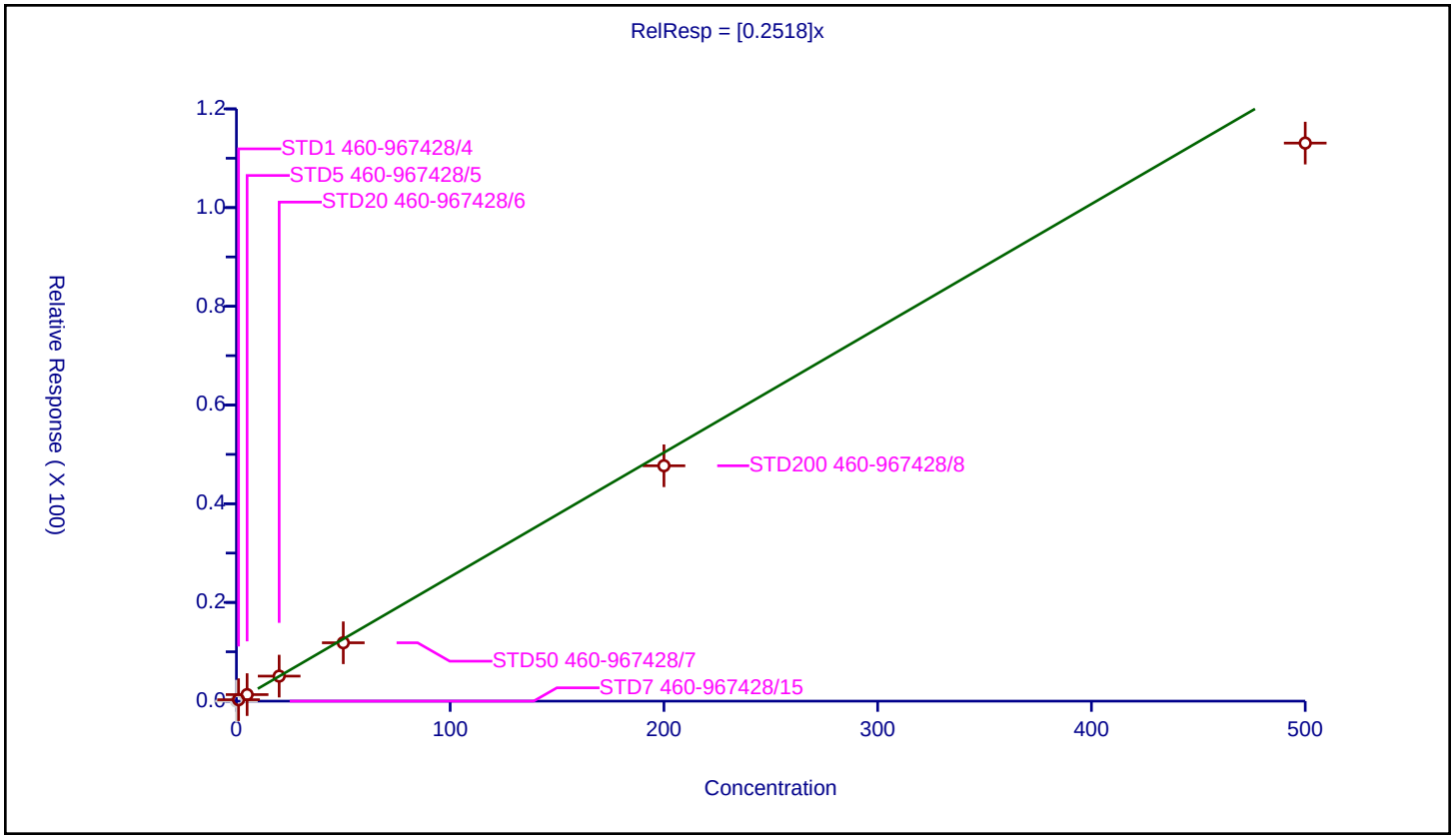
Curve Coefficients

Intercept:	0
Slope:	0.2518

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.291058	50.0	667222.0	0.291058	Y
3	STD5 460-967428/5	5.0	1.326846	50.0	683802.0	0.265369	Y
4	STD20 460-967428/6	20.0	5.068083	50.0	677919.0	0.253404	Y
5	STD50 460-967428/7	50.0	11.827029	50.0	695517.0	0.236541	Y
6	STD200 460-967428/8	200.0	47.692166	50.0	751982.0	0.238461	Y
7	STD500 460-967428/9	500.0	113.070307	50.0	746023.0	0.226141	Y



Calibration / 2-Butanone (MEK)

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

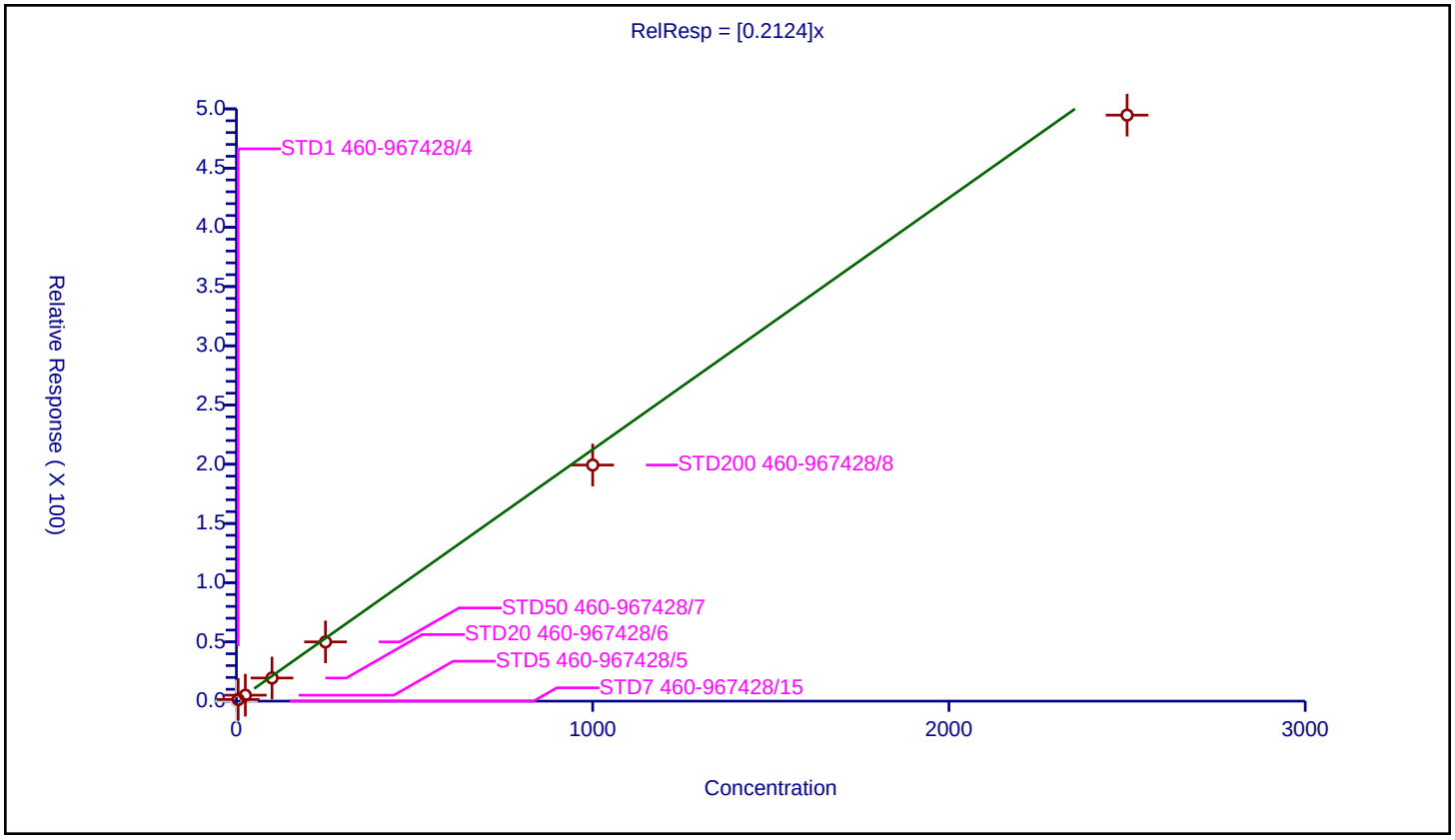
Curve Coefficients

Intercept:	0
Slope:	0.2124

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	250.0	344477.0	NaN	N
2	STD1 460-967428/4	5.0	1.405112	250.0	381998.0	0.281022	Y
3	STD5 460-967428/5	25.0	5.023104	250.0	387808.0	0.200924	Y
4	STD20 460-967428/6	100.0	19.535347	250.0	371826.0	0.195353	Y
5	STD50 460-967428/7	250.0	50.007746	250.0	348586.0	0.200031	Y
6	STD200 460-967428/8	1000.0	199.324333	250.0	371115.0	0.199324	Y
7	STD500 460-967428/9	2500.0	494.746952	250.0	341754.0	0.197899	Y



Calibration / Ethyl acetate

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

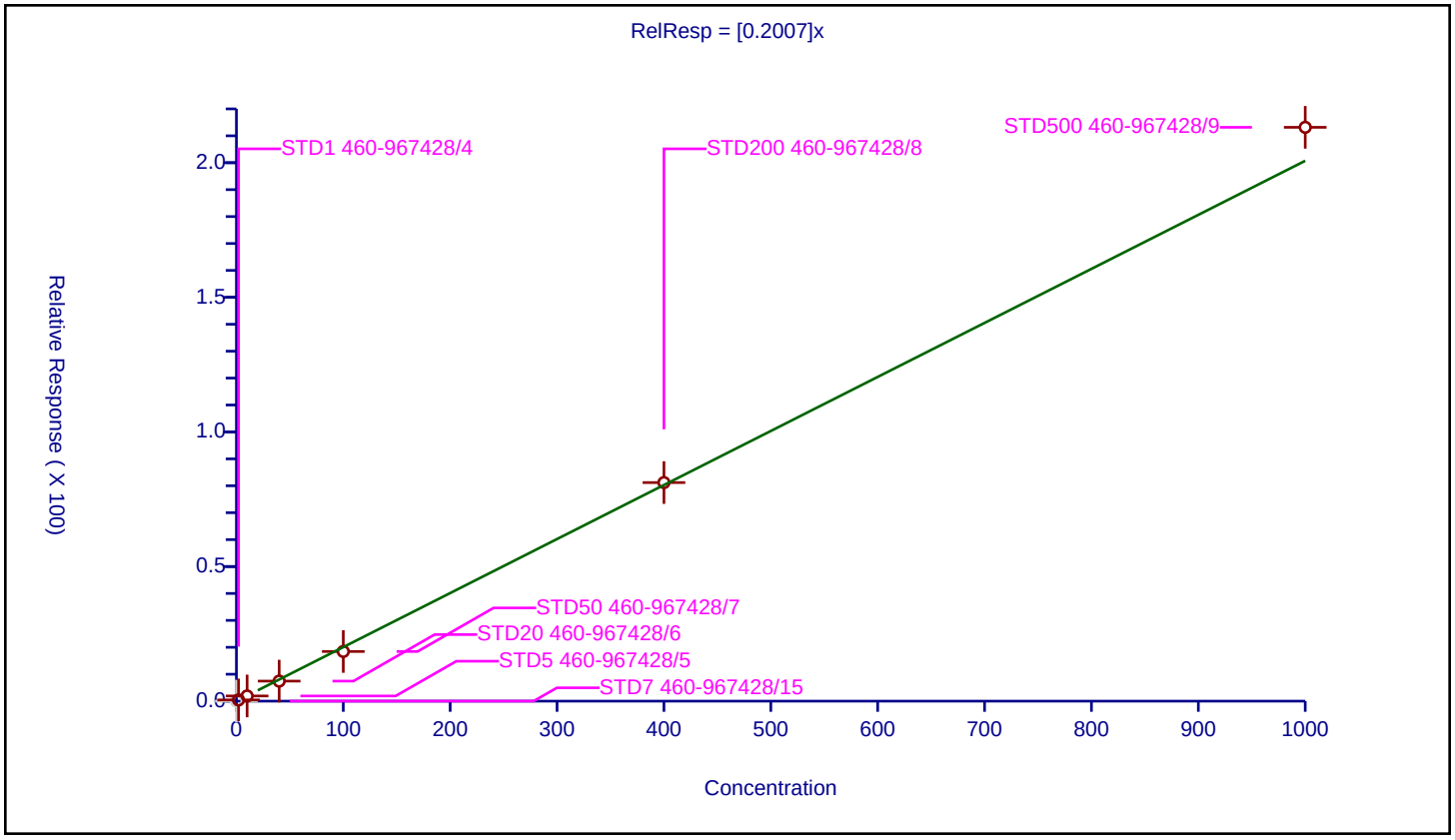
Curve Coefficients

Intercept:	0
Slope:	0.2007

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	250.0	344477.0	NaN	N
2	STD1 460-967428/4	2.0	0.44961	250.0	381998.0	0.224805	Y
3	STD5 460-967428/5	10.0	1.928145	250.0	387808.0	0.192814	Y
4	STD20 460-967428/6	40.0	7.441653	250.0	371826.0	0.186041	Y
5	STD50 460-967428/7	100.0	18.449536	250.0	348586.0	0.184495	Y
6	STD200 460-967428/8	400.0	81.188446	250.0	371115.0	0.202971	Y
7	STD500 460-967428/9	1000.0	213.154052	250.0	341754.0	0.213154	Y



Calibration / Methyl acrylate

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

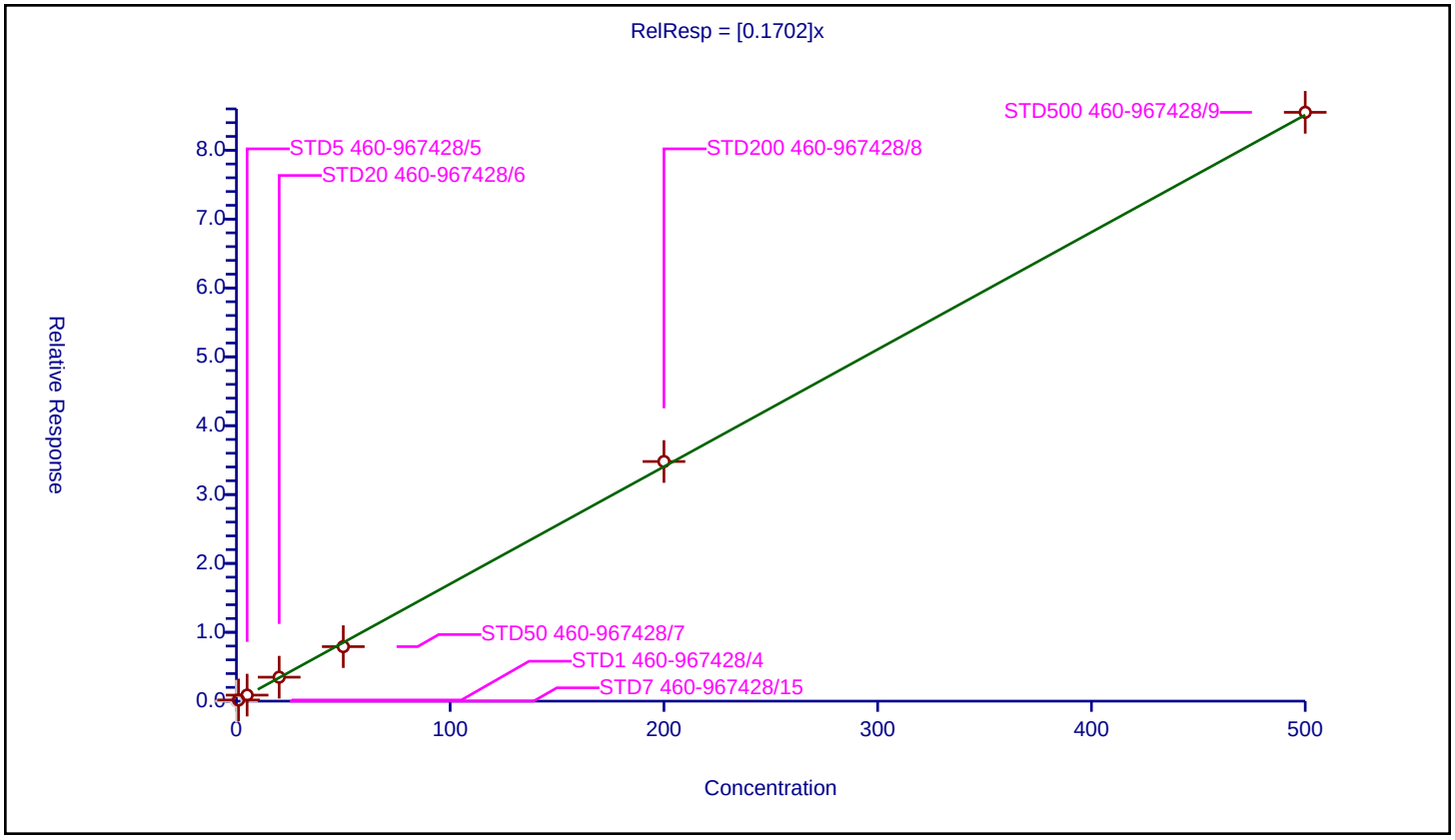
Curve Coefficients

Intercept:	0
Slope:	0.1702

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.169359	50.0	667222.0	0.169359	Y
3	STD5 460-967428/5	5.0	0.874668	50.0	683802.0	0.174934	Y
4	STD20 460-967428/6	20.0	3.477112	50.0	677919.0	0.173856	Y
5	STD50 460-967428/7	50.0	7.914975	50.0	695517.0	0.1583	Y
6	STD200 460-967428/8	200.0	34.799769	50.0	751982.0	0.173999	Y
7	STD500 460-967428/9	500.0	85.501922	50.0	746023.0	0.171004	Y



Calibration / Propionitrile

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

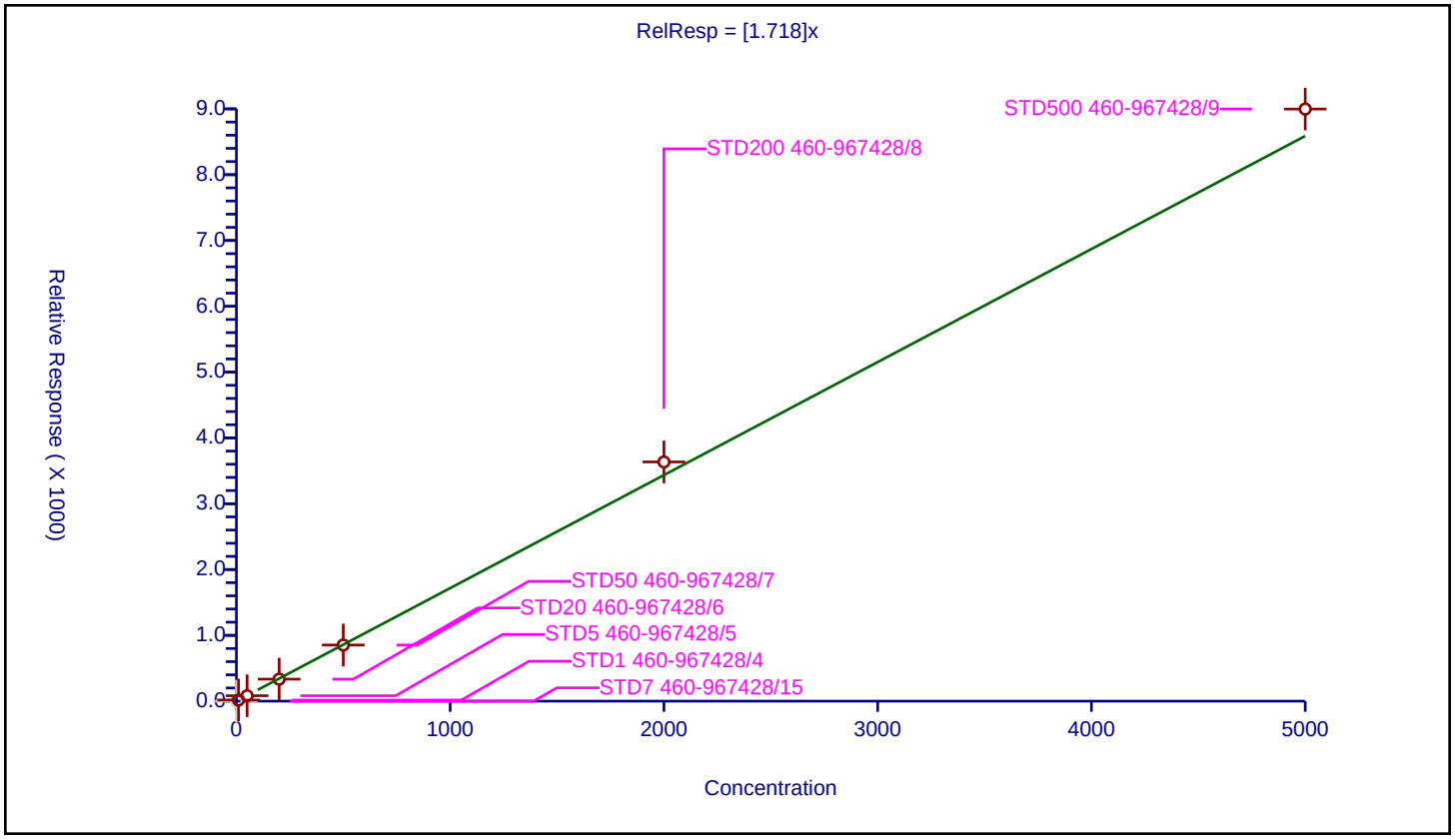
Curve Coefficients

Intercept:	0
Slope:	1.718

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	10.0	16.645686	1000.0	270881.0	1.664569	Y
3	STD5 460-967428/5	50.0	82.293703	1000.0	261952.0	1.645874	Y
4	STD20 460-967428/6	200.0	334.379143	1000.0	242874.0	1.671896	Y
5	STD50 460-967428/7	500.0	852.938207	1000.0	217922.0	1.705876	Y
6	STD200 460-967428/8	2000.0	3635.252996	1000.0	209707.0	1.817626	Y
7	STD500 460-967428/9	5000.0	8997.750966	1000.0	208534.0	1.79955	Y



Calibration / Chlorobromomethane

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

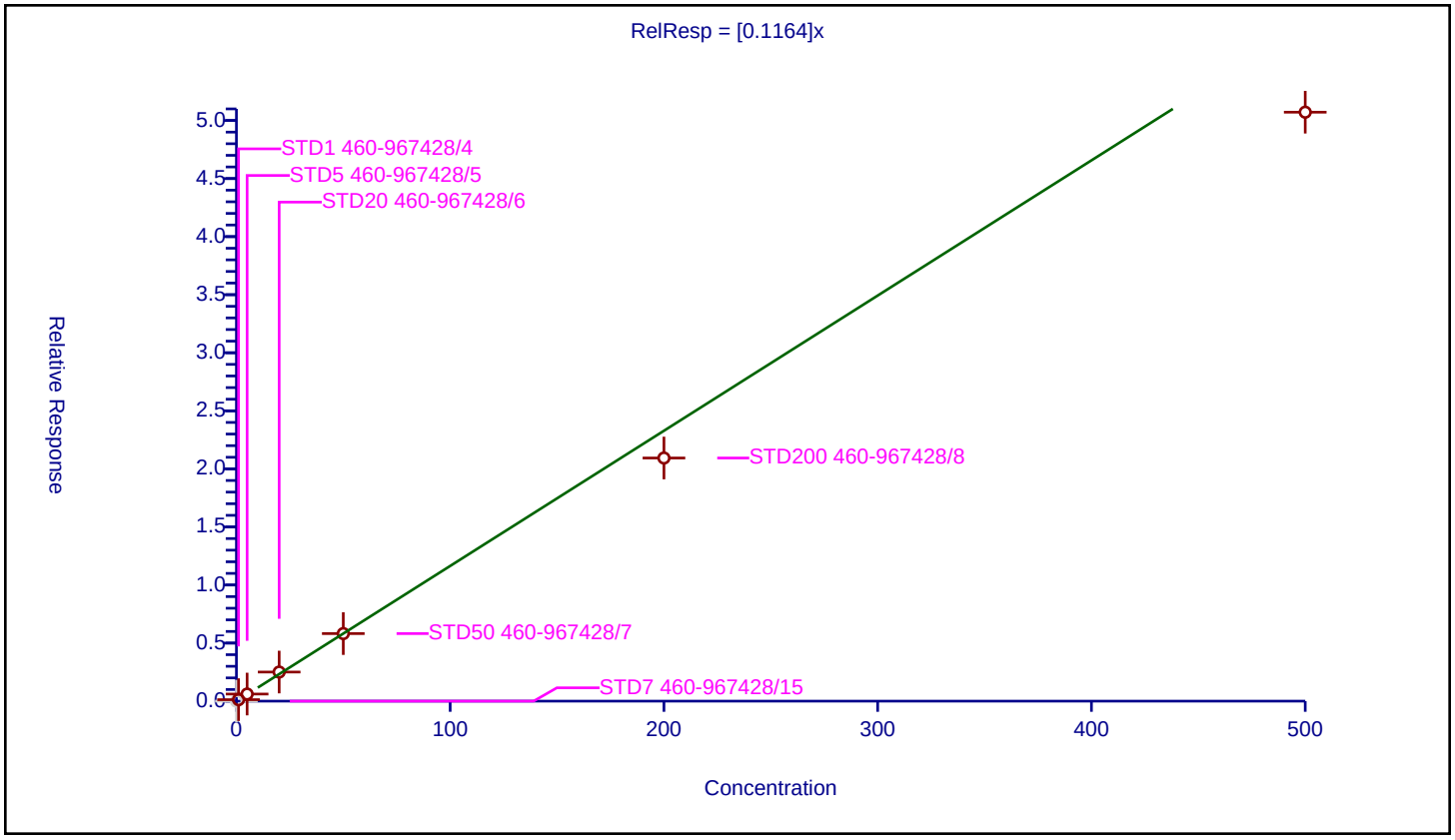
Curve Coefficients

Intercept:	0
Slope:	0.1164

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.128368	50.0	667222.0	0.128368	Y
3	STD5 460-967428/5	5.0	0.611581	50.0	683802.0	0.122316	Y
4	STD20 460-967428/6	20.0	2.506789	50.0	677919.0	0.125339	Y
5	STD50 460-967428/7	50.0	5.81783	50.0	695517.0	0.116357	Y
6	STD200 460-967428/8	200.0	20.936472	50.0	751982.0	0.104682	Y
7	STD500 460-967428/9	500.0	50.715326	50.0	746023.0	0.101431	Y



Calibration / Tetrahydrofuran

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

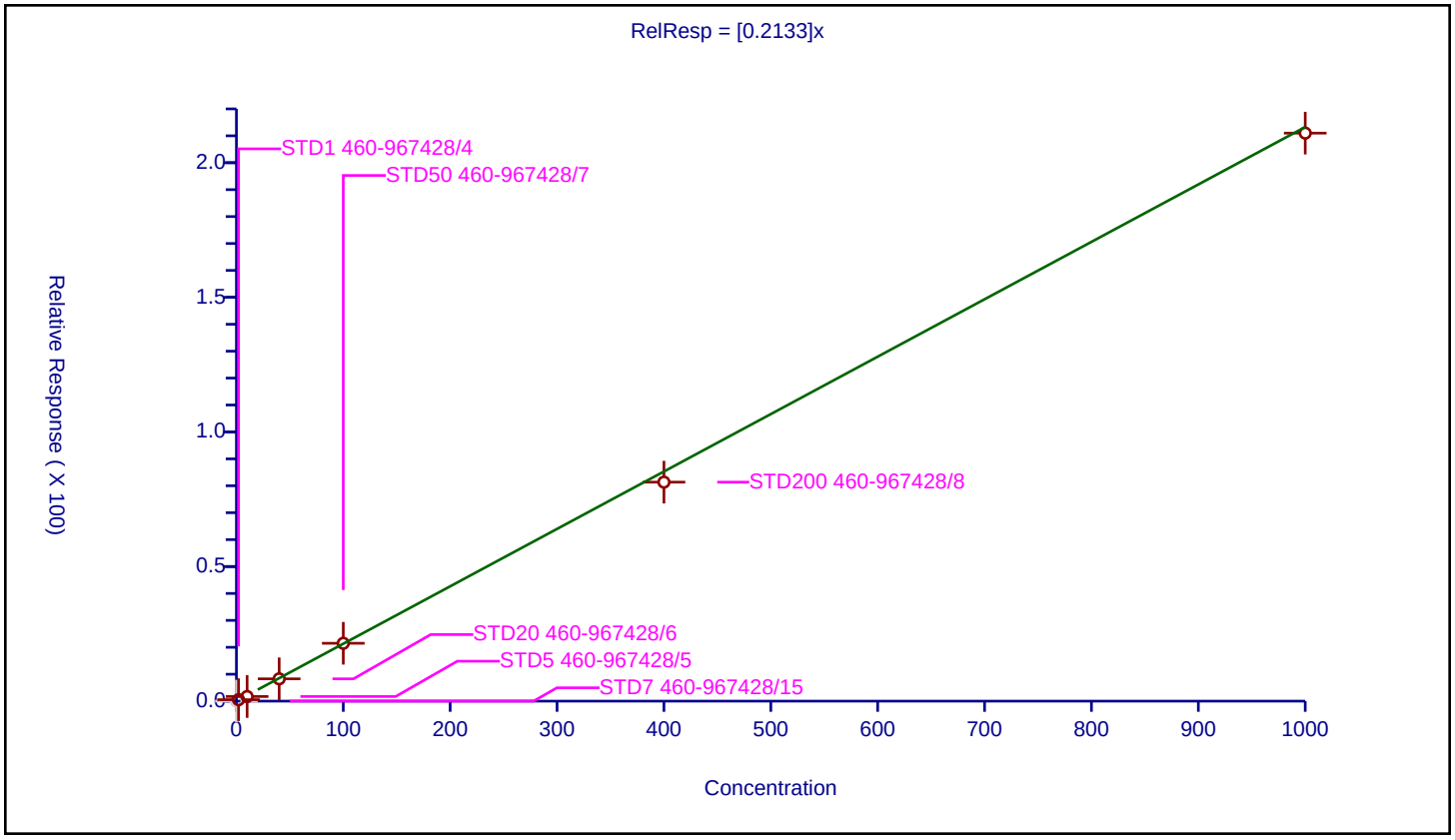
Curve Coefficients

Intercept:	0
Slope:	0.2133

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	250.0	344477.0	NaN	N
2	STD1 460-967428/4	2.0	0.542542	250.0	381998.0	0.271271	Y
3	STD5 460-967428/5	10.0	1.718634	250.0	387808.0	0.171863	Y
4	STD20 460-967428/6	40.0	8.283444	250.0	371826.0	0.207086	Y
5	STD50 460-967428/7	100.0	21.493979	250.0	348586.0	0.21494	Y
6	STD200 460-967428/8	400.0	81.354836	250.0	371115.0	0.203387	Y
7	STD500 460-967428/9	1000.0	210.995336	250.0	341754.0	0.210995	Y



Calibration / Methacrylonitrile

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

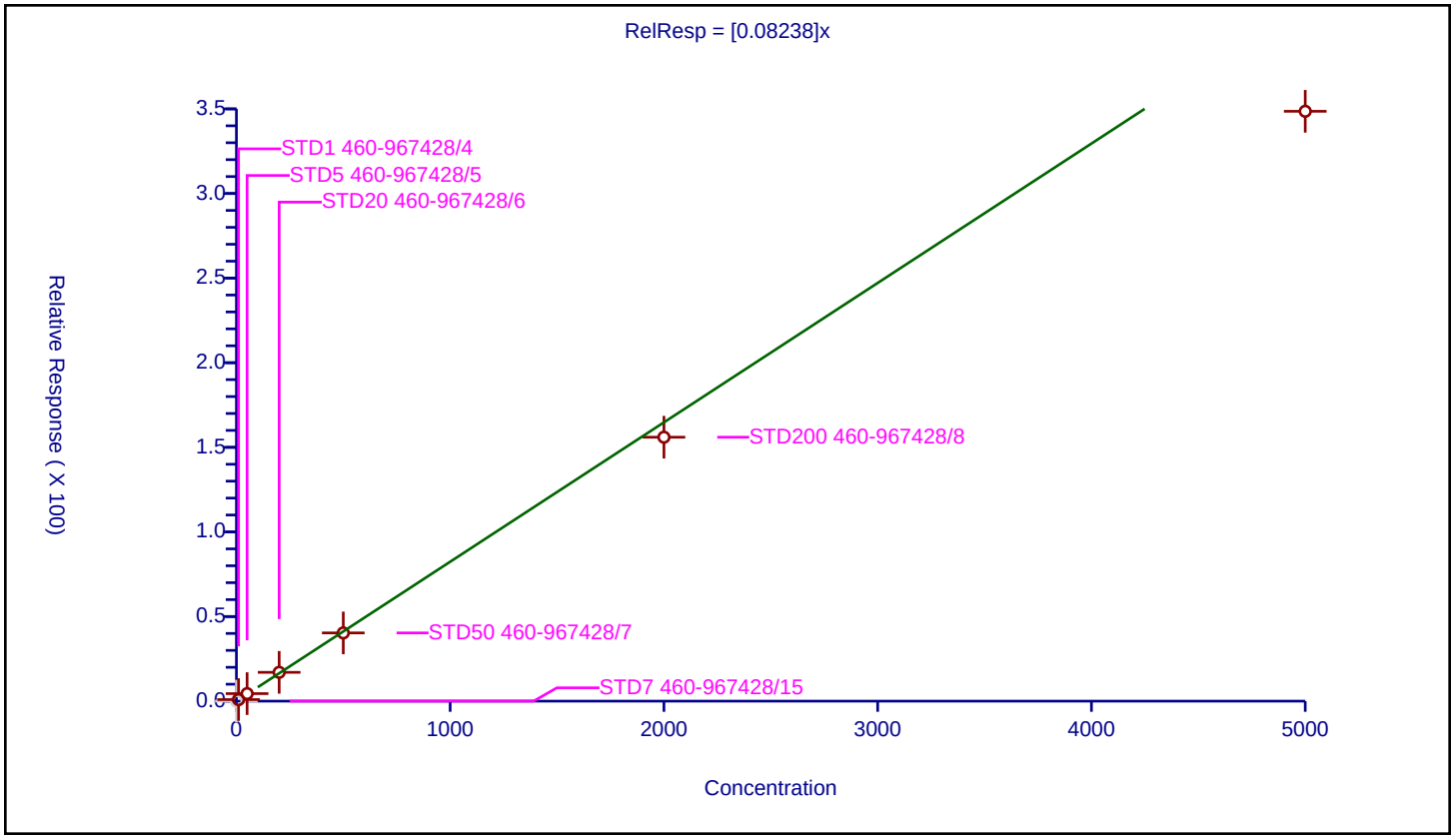
Curve Coefficients

Intercept:	0
Slope:	0.08238

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	10.0	0.918435	50.0	667222.0	0.091843	Y
3	STD5 460-967428/5	50.0	4.447121	50.0	683802.0	0.088942	Y
4	STD20 460-967428/6	200.0	17.027993	50.0	677919.0	0.08514	Y
5	STD50 460-967428/7	500.0	40.314112	50.0	695517.0	0.080628	Y
6	STD200 460-967428/8	2000.0	155.975941	50.0	751982.0	0.077988	Y
7	STD500 460-967428/9	5000.0	348.576116	50.0	746023.0	0.069715	Y



Calibration / Chloroform

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

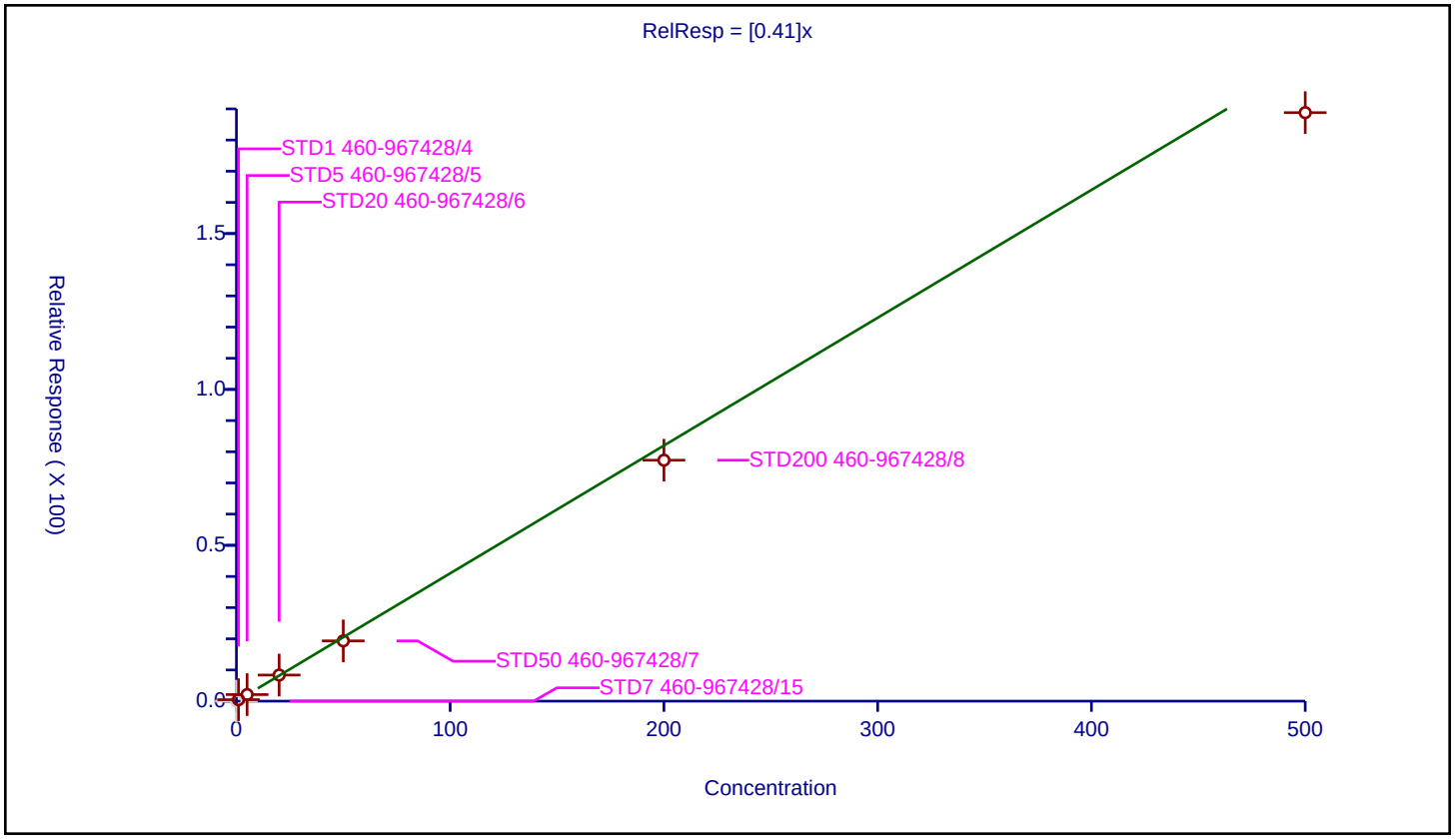
Curve Coefficients

Intercept:	0
Slope:	0.41

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.468735	50.0	667222.0	0.468735	Y
3	STD5 460-967428/5	5.0	2.108944	50.0	683802.0	0.421789	Y
4	STD20 460-967428/6	20.0	8.373345	50.0	677919.0	0.418667	Y
5	STD50 460-967428/7	50.0	19.335185	50.0	695517.0	0.386704	Y
6	STD200 460-967428/8	200.0	77.296863	50.0	751982.0	0.386484	Y
7	STD500 460-967428/9	500.0	188.790962	50.0	746023.0	0.377582	Y



Calibration / Cyclohexane

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

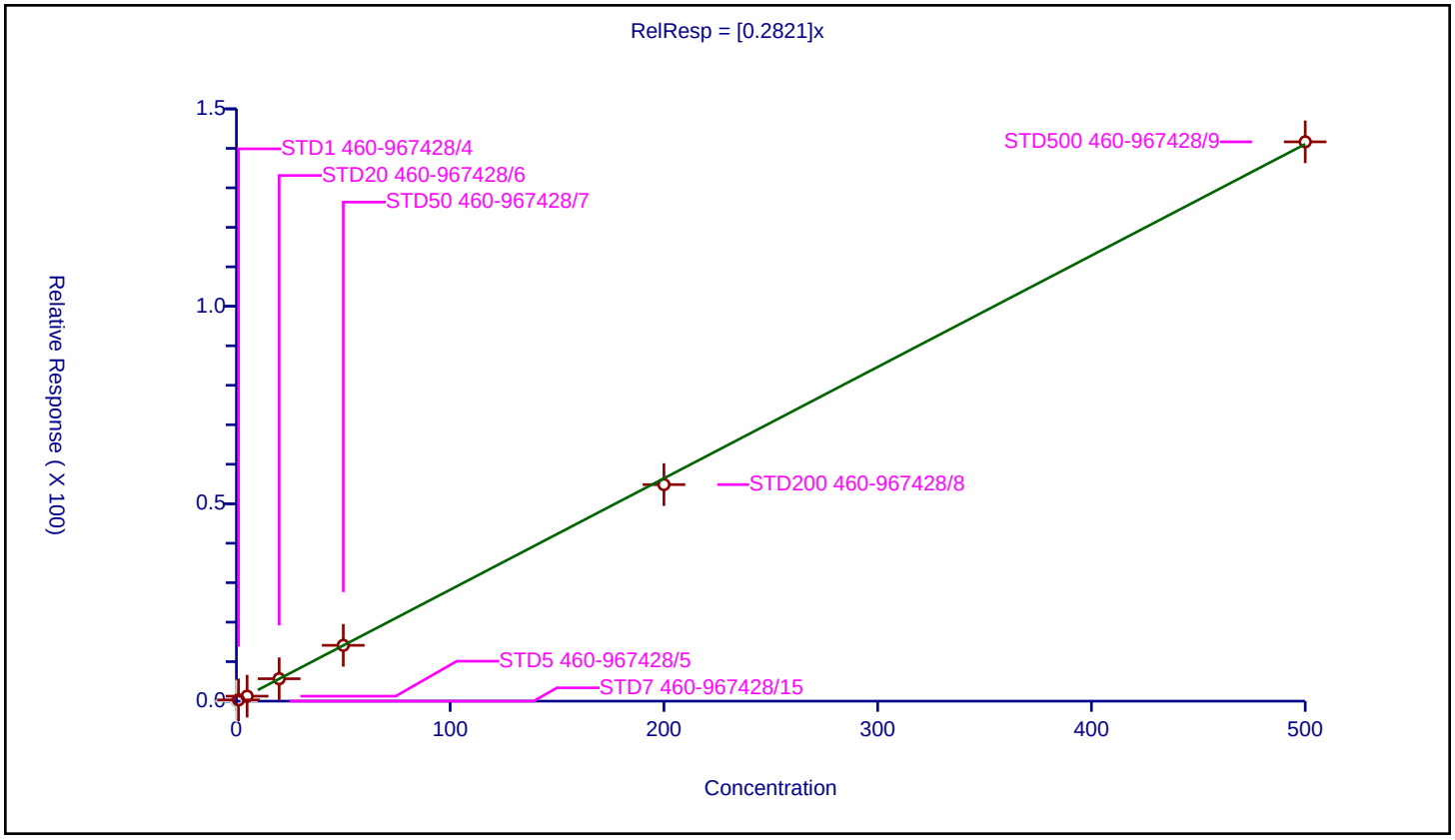
Curve Coefficients

Intercept:	0
Slope:	0.2821

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.315712	50.0	667222.0	0.315712	Y
3	STD5 460-967428/5	5.0	1.265352	50.0	683802.0	0.25307	Y
4	STD20 460-967428/6	20.0	5.677079	50.0	677919.0	0.283854	Y
5	STD50 460-967428/7	50.0	14.133731	50.0	695517.0	0.282675	Y
6	STD200 460-967428/8	200.0	54.842935	50.0	751982.0	0.274215	Y
7	STD500 460-967428/9	500.0	141.654212	50.0	746023.0	0.283308	Y



Calibration / 1,1,1-Trichloroethane

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

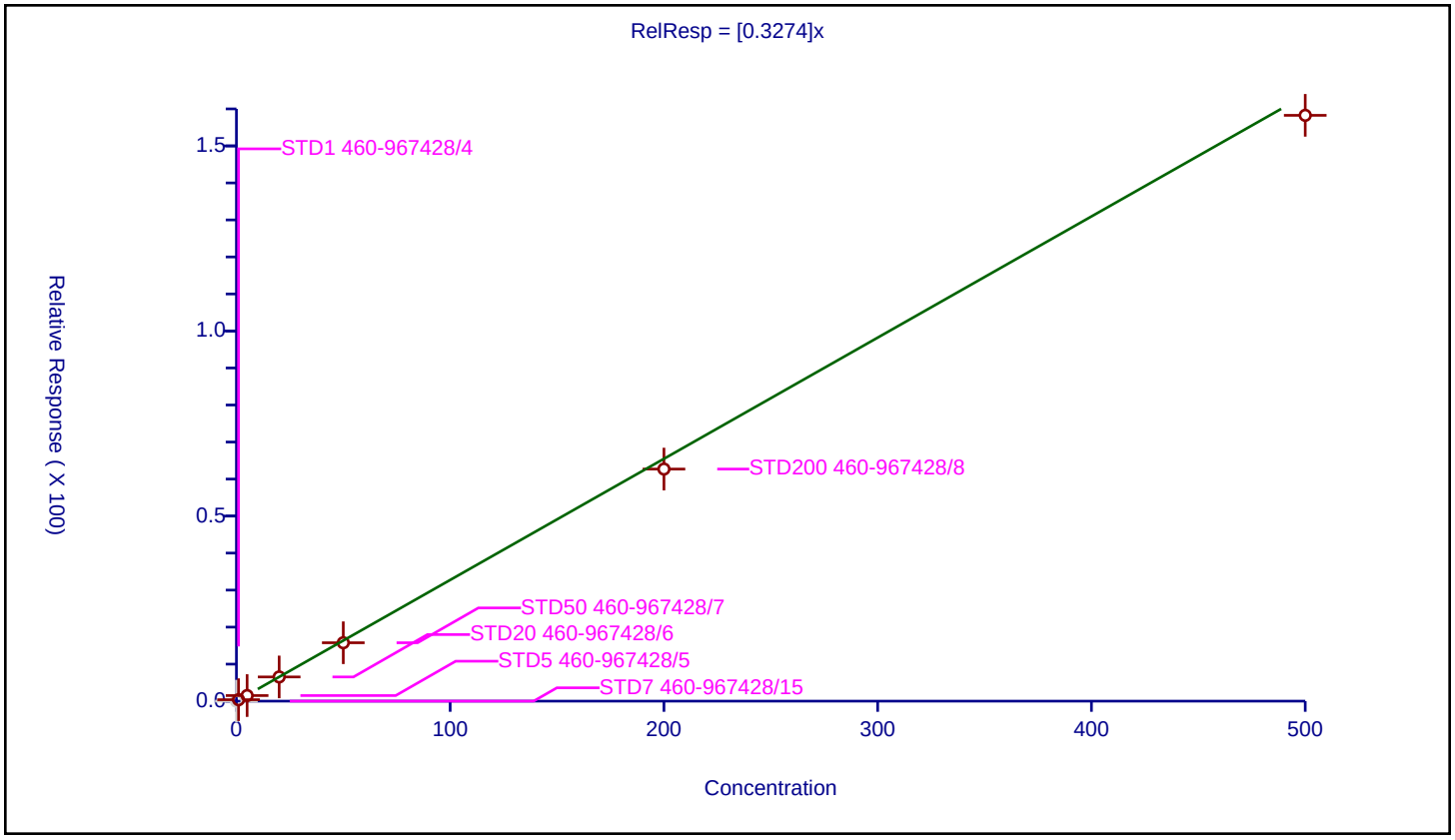
Curve Coefficients

Intercept:	0
Slope:	0.3274

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.390725	50.0	667222.0	0.390725	Y
3	STD5 460-967428/5	5.0	1.505114	50.0	683802.0	0.301023	Y
4	STD20 460-967428/6	20.0	6.538023	50.0	677919.0	0.326901	Y
5	STD50 460-967428/7	50.0	15.776322	50.0	695517.0	0.315526	Y
6	STD200 460-967428/8	200.0	62.697511	50.0	751982.0	0.313488	Y
7	STD500 460-967428/9	500.0	158.259933	50.0	746023.0	0.31652	Y



Calibration / Dibromofluoromethane (Surr)

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

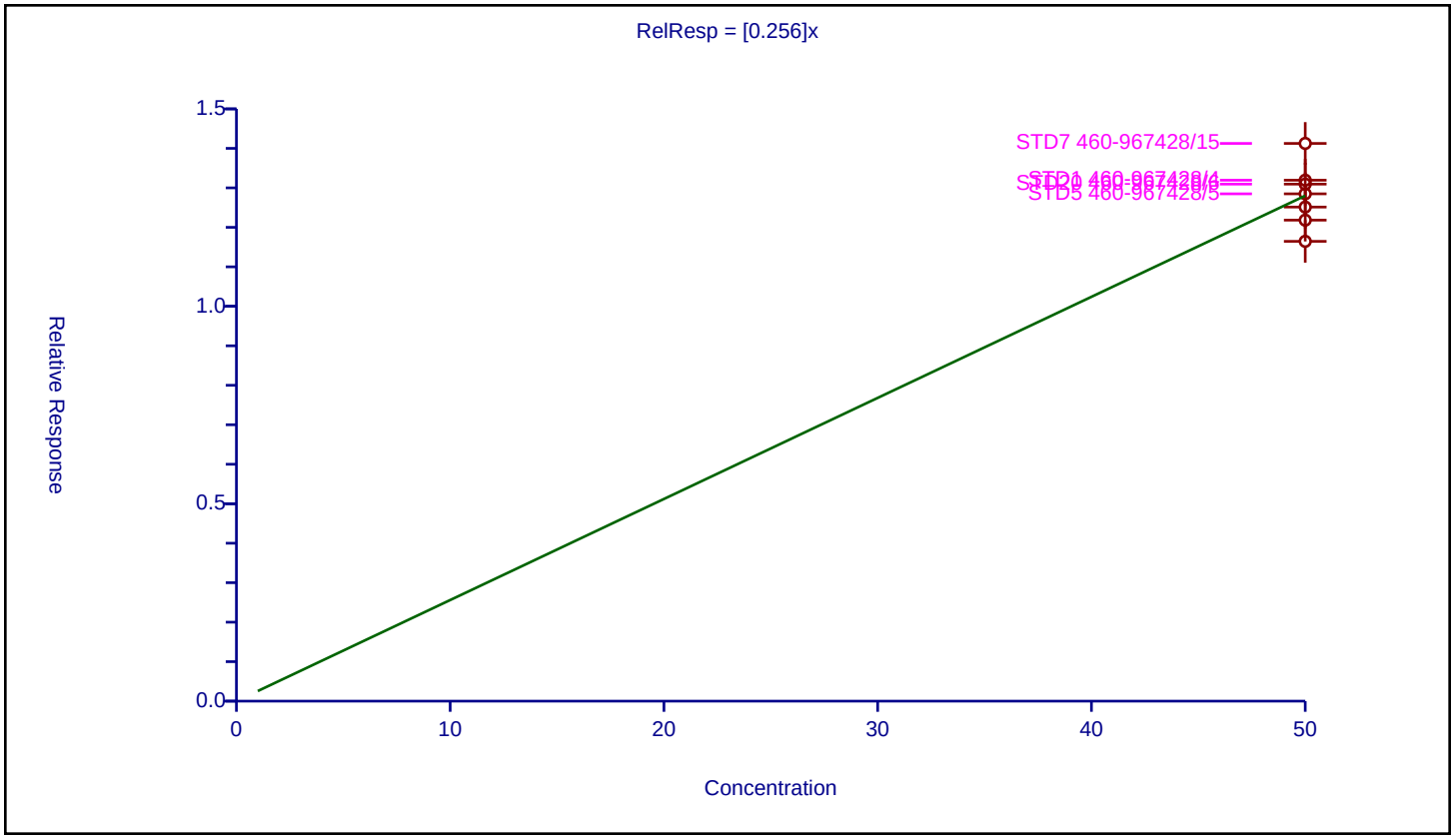
Curve Coefficients

Intercept:	0
Slope:	0.256

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-967428/4	50.0	13.19351	50.0	667222.0	0.26387	Y
2	STD5 460-967428/5	50.0	12.848602	50.0	683802.0	0.256972	Y
3	STD20 460-967428/6	50.0	13.094854	50.0	677919.0	0.261897	Y
4	STD50 460-967428/7	50.0	12.513353	50.0	695517.0	0.250267	Y
5	STD200 460-967428/8	50.0	12.182605	50.0	751982.0	0.243652	Y
6	STD500 460-967428/9	50.0	11.64562	50.0	746023.0	0.232912	Y
7	STD7 460-967428/15	50.0	14.125205	50.0	630182.0	0.282504	Y



Calibration / Carbon tetrachloride

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

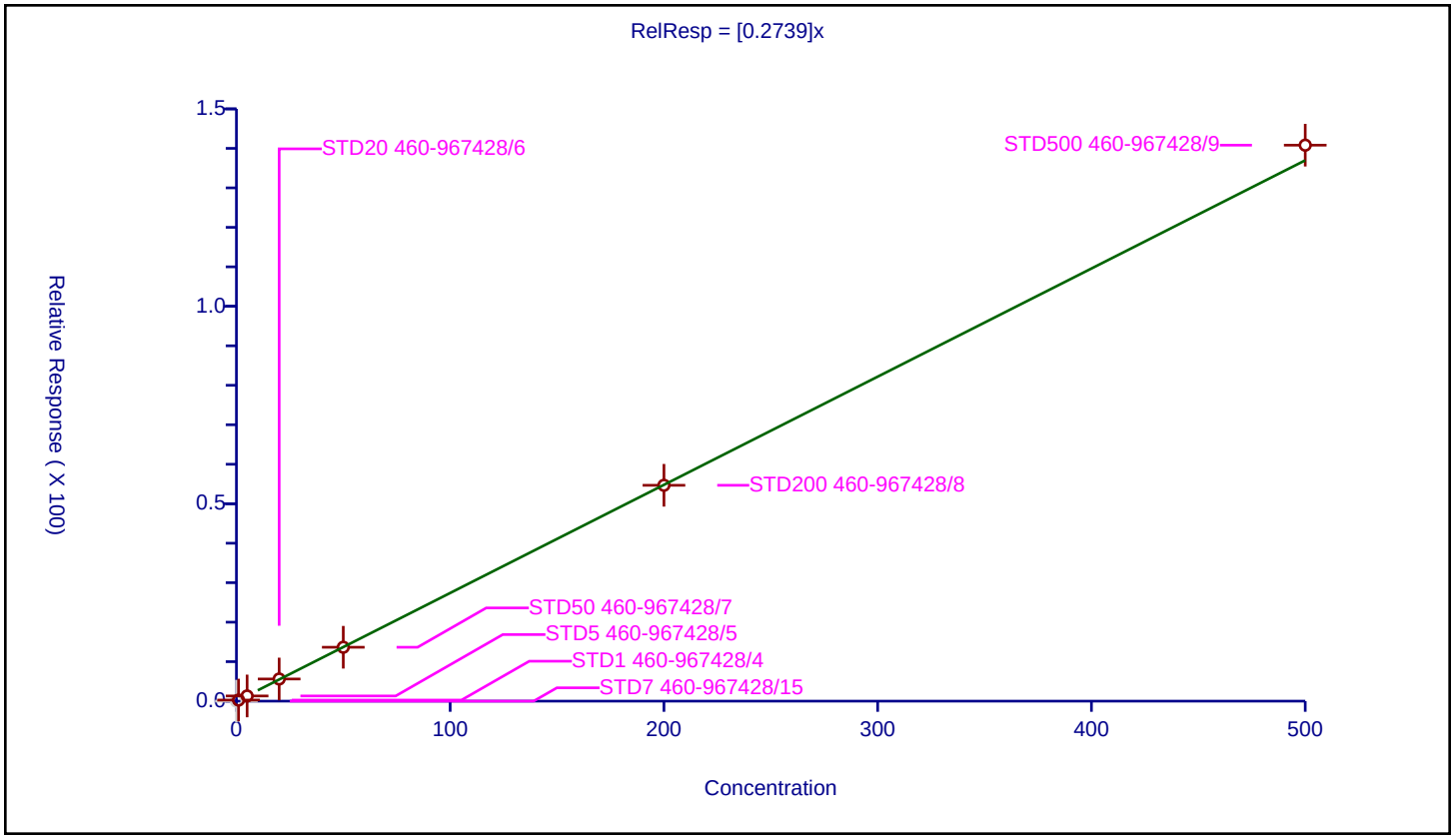
Curve Coefficients

Intercept:	0
Slope:	0.2739

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.272548	50.0	667222.0	0.272548	Y
3	STD5 460-967428/5	5.0	1.313246	50.0	683802.0	0.262649	Y
4	STD20 460-967428/6	20.0	5.609741	50.0	677919.0	0.280487	Y
5	STD50 460-967428/7	50.0	13.647474	50.0	695517.0	0.272949	Y
6	STD200 460-967428/8	200.0	54.67325	50.0	751982.0	0.273366	Y
7	STD500 460-967428/9	500.0	140.813822	50.0	746023.0	0.281628	Y



Calibration / 1,1-Dichloropropene

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

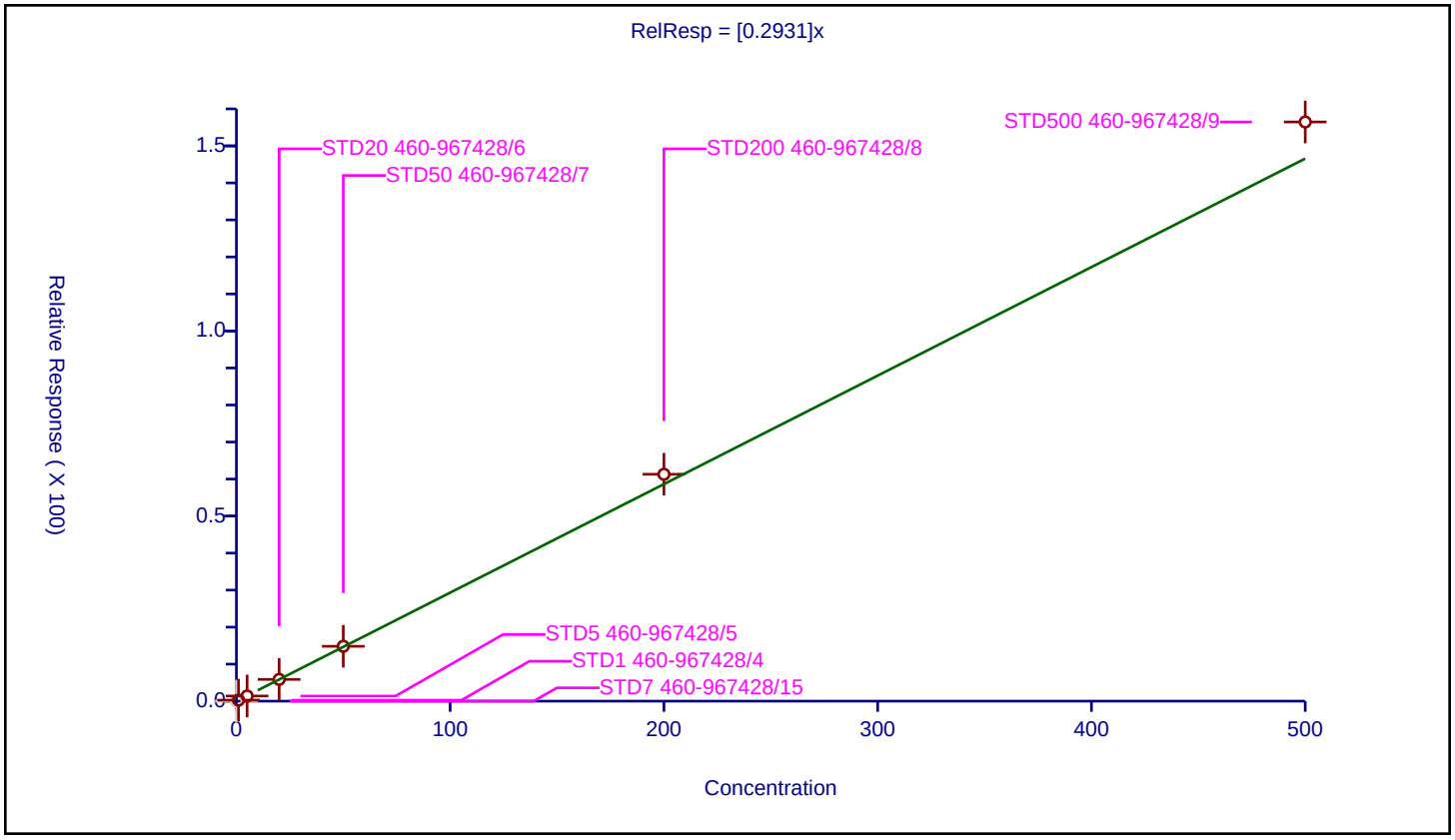
Curve Coefficients

Intercept:	0
Slope:	0.2931

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.270525	50.0	667222.0	0.270525	Y
3	STD5 460-967428/5	5.0	1.394483	50.0	683802.0	0.278897	Y
4	STD20 460-967428/6	20.0	5.872235	50.0	677919.0	0.293612	Y
5	STD50 460-967428/7	50.0	14.820917	50.0	695517.0	0.296418	Y
6	STD200 460-967428/8	200.0	61.291494	50.0	751982.0	0.306457	Y
7	STD500 460-967428/9	500.0	156.469908	50.0	746023.0	0.31294	Y



Calibration / Isobutyl alcohol

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

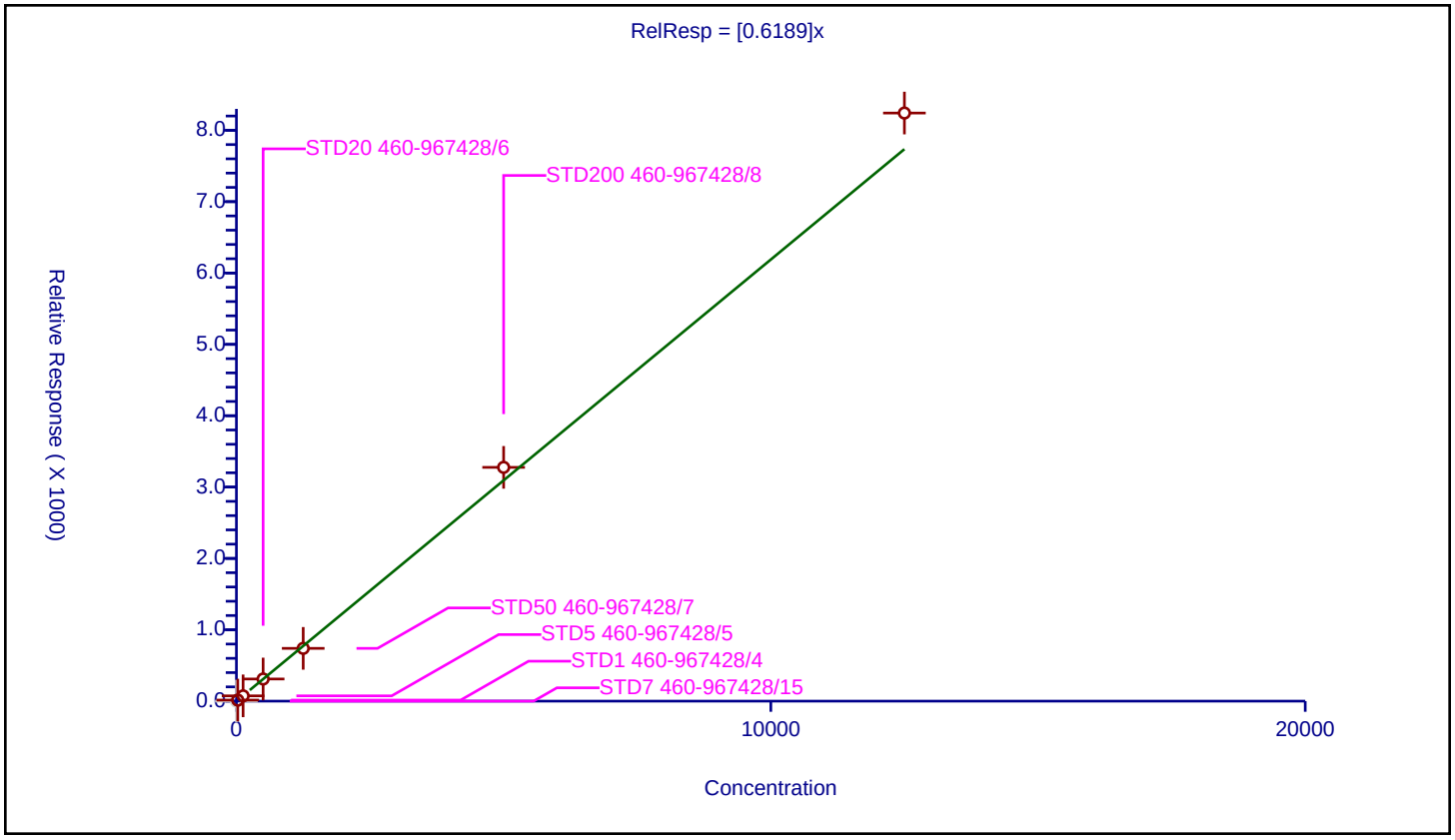
Curve Coefficients

Intercept:	0
Slope:	0.6189

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	25.0	14.85154	1000.0	270881.0	0.594062	Y
3	STD5 460-967428/5	125.0	73.98302	1000.0	261952.0	0.591864	Y
4	STD20 460-967428/6	500.0	310.416101	1000.0	242874.0	0.620832	Y
5	STD50 460-967428/7	1250.0	739.727976	1000.0	217922.0	0.591782	Y
6	STD200 460-967428/8	5000.0	3276.218724	1000.0	209707.0	0.655244	Y
7	STD500 460-967428/9	12500.0	8241.596095	1000.0	208534.0	0.659328	Y



Calibration / Isooctane

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

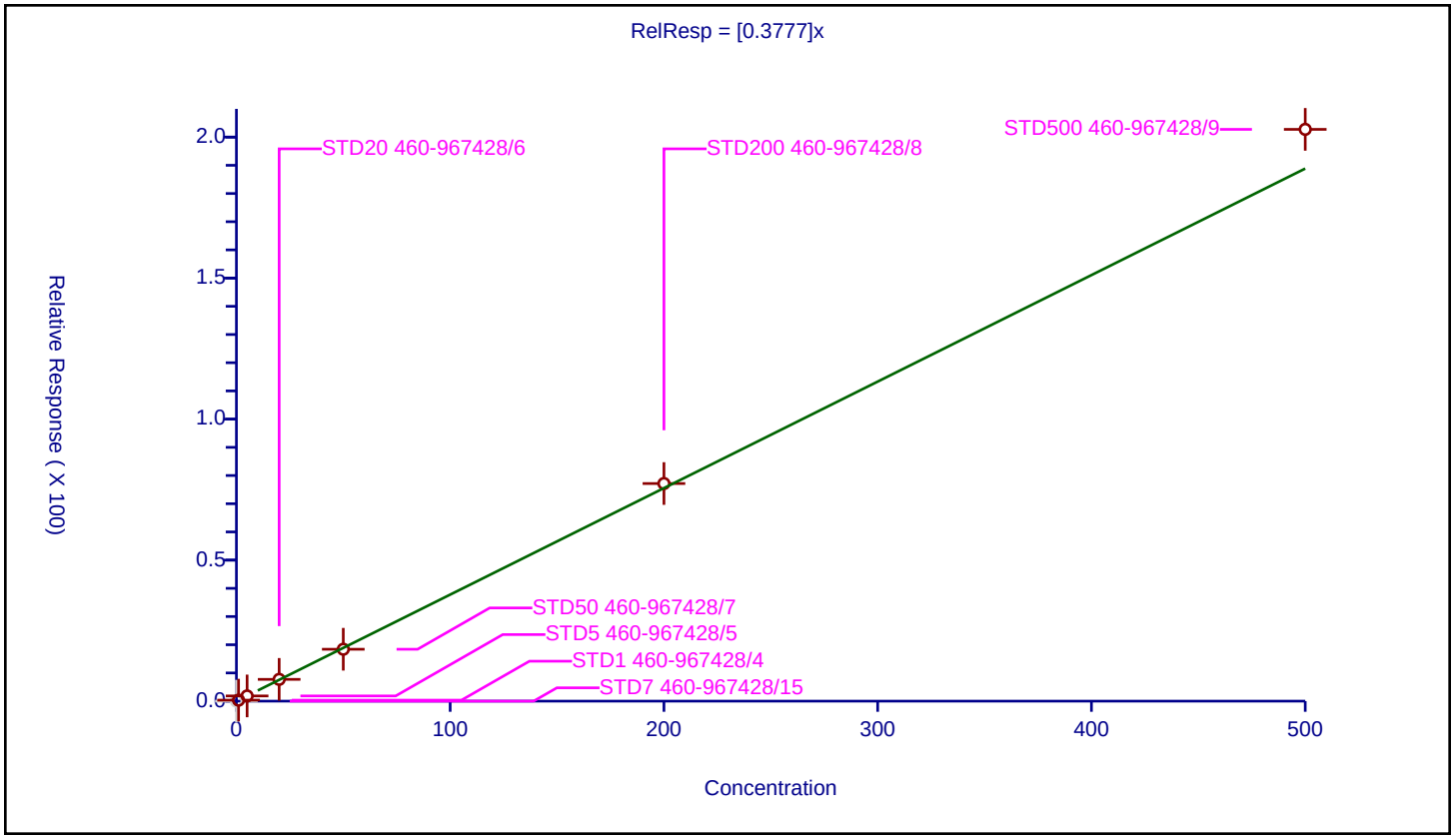
Curve Coefficients

Intercept:	0
Slope:	0.3777

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.351982	50.0	667222.0	0.351982	Y
3	STD5 460-967428/5	5.0	1.844686	50.0	683802.0	0.368937	Y
4	STD20 460-967428/6	20.0	7.71663	50.0	677919.0	0.385831	Y
5	STD50 460-967428/7	50.0	18.399335	50.0	695517.0	0.367987	Y
6	STD200 460-967428/8	200.0	77.160956	50.0	751982.0	0.385805	Y
7	STD500 460-967428/9	500.0	202.739661	50.0	746023.0	0.405479	Y



Calibration / Benzene

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

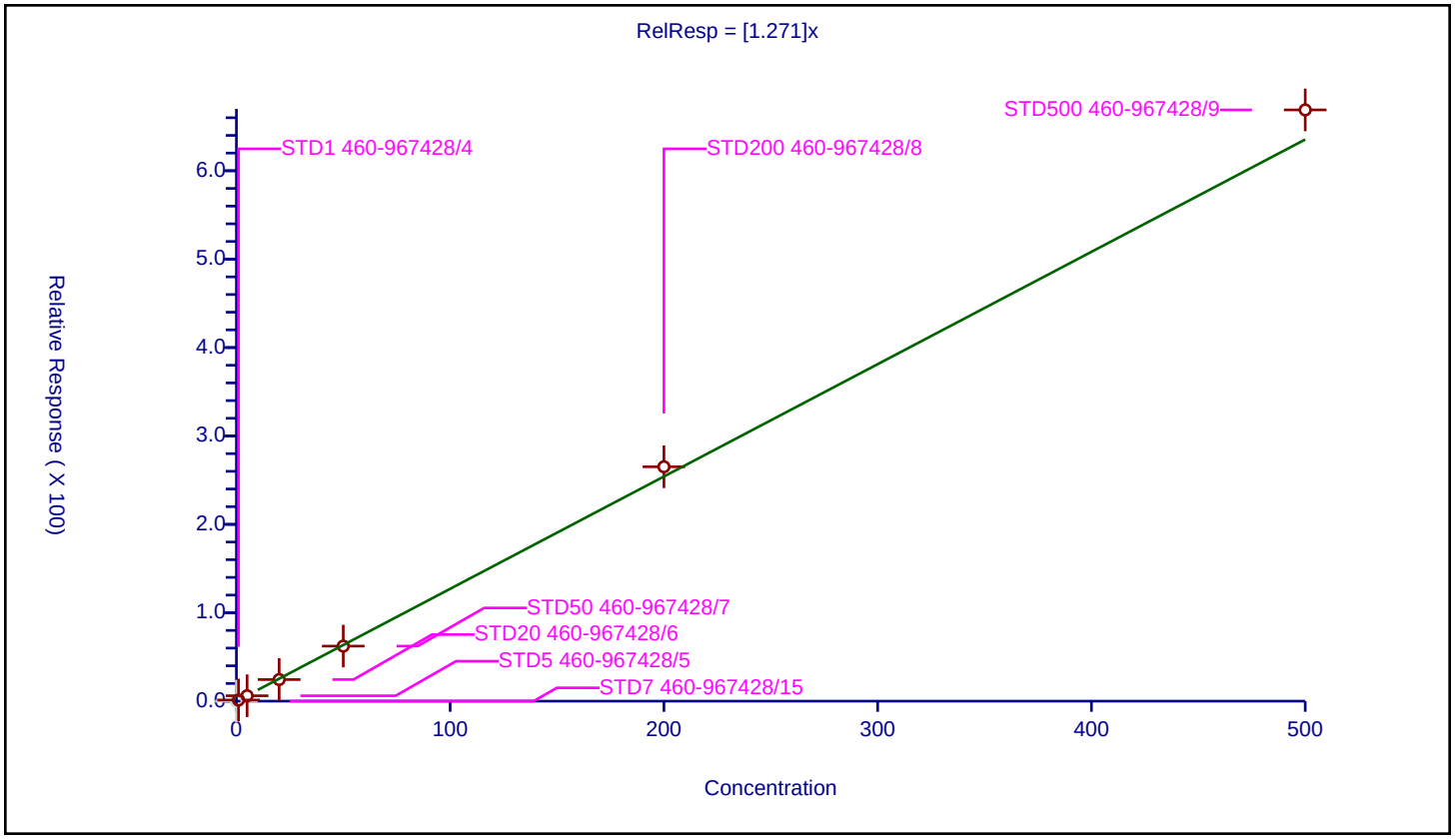
Curve Coefficients

Intercept:	0
Slope:	1.271

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	1.276	50.0	489420.0	1.276	Y
3	STD5 460-967428/5	5.0	6.093969	50.0	495375.0	1.218794	Y
4	STD20 460-967428/6	20.0	24.417651	50.0	489097.0	1.220883	Y
5	STD50 460-967428/7	50.0	62.257366	50.0	489265.0	1.245147	Y
6	STD200 460-967428/8	200.0	265.143585	50.0	496745.0	1.325718	Y
7	STD500 460-967428/9	500.0	668.826188	50.0	468329.0	1.337652	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

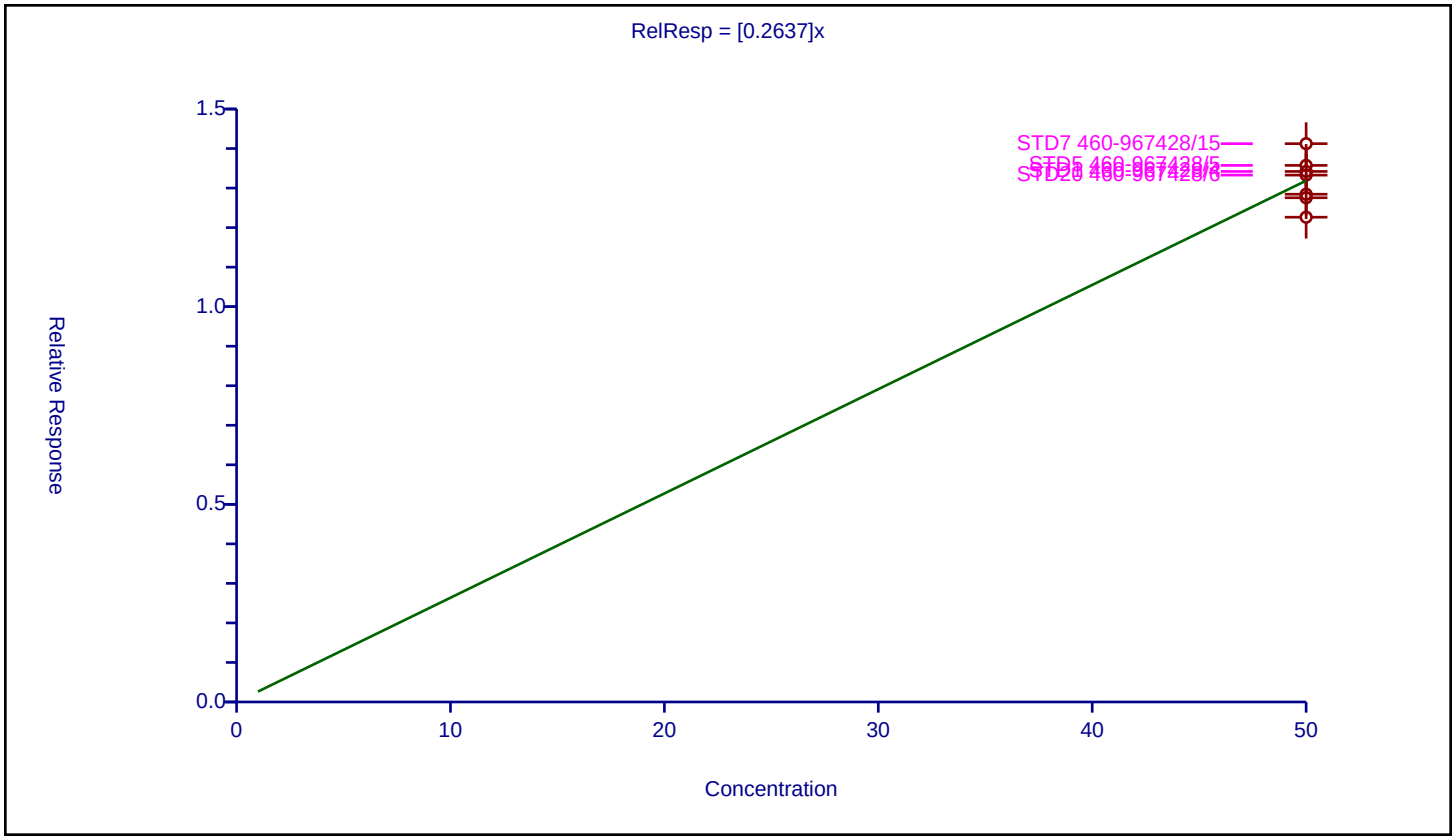
Curve Coefficients

Intercept:	0
Slope:	0.2637

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-967428/4	50.0	13.420945	50.0	667222.0	0.268419	Y
2	STD5 460-967428/5	50.0	13.574251	50.0	683802.0	0.271485	Y
3	STD20 460-967428/6	50.0	13.327772	50.0	677919.0	0.266555	Y
4	STD50 460-967428/7	50.0	12.755332	50.0	695517.0	0.255107	Y
5	STD200 460-967428/8	50.0	12.844523	50.0	751982.0	0.25689	Y
6	STD500 460-967428/9	50.0	12.263362	50.0	746023.0	0.245267	Y
7	STD7 460-967428/15	50.0	14.123222	50.0	630182.0	0.282464	Y



Calibration / Isopropyl acetate

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

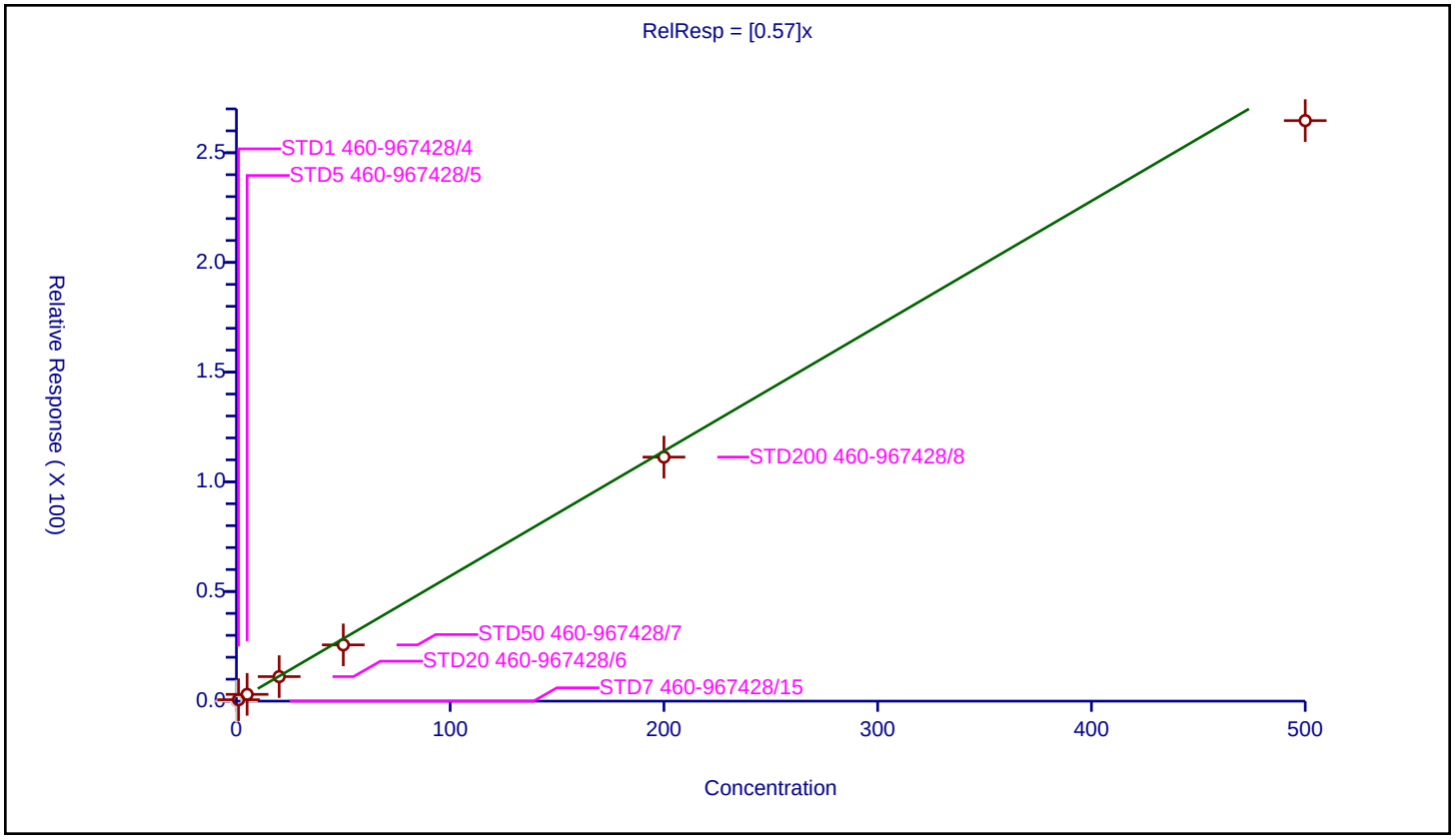
Curve Coefficients

Intercept:	0
Slope:	0.57

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.645213	50.0	667222.0	0.645213	Y
3	STD5 460-967428/5	5.0	3.087005	50.0	683802.0	0.617401	Y
4	STD20 460-967428/6	20.0	11.178622	50.0	677919.0	0.558931	Y
5	STD50 460-967428/7	50.0	25.646821	50.0	695517.0	0.512936	Y
6	STD200 460-967428/8	200.0	111.257184	50.0	751982.0	0.556286	Y
7	STD500 460-967428/9	500.0	264.65873	50.0	746023.0	0.529317	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

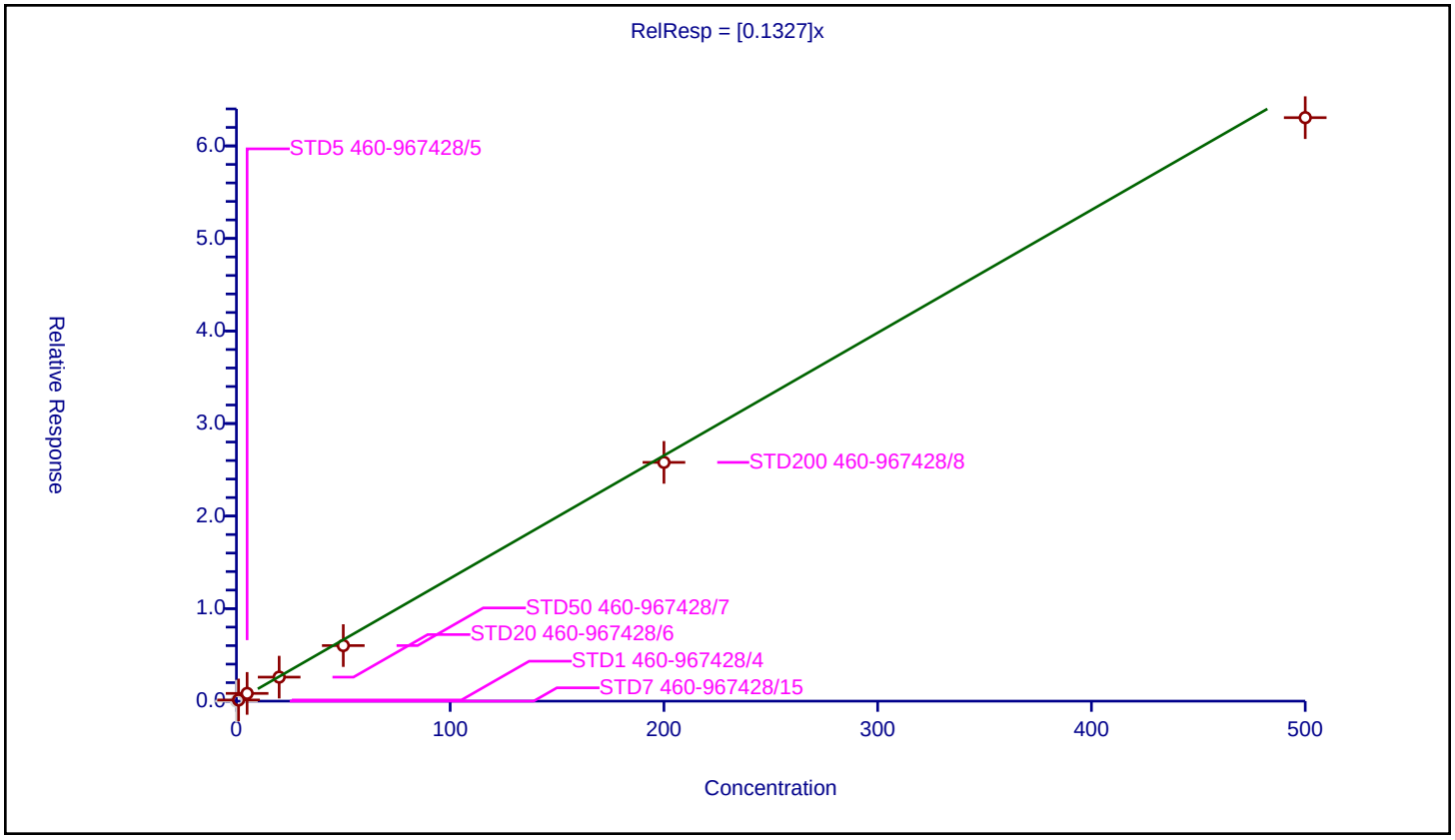
Curve Coefficients

Intercept:	0
Slope:	0.1327

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.124172	50.0	667222.0	0.124172	Y
3	STD5 460-967428/5	5.0	0.835256	50.0	683802.0	0.167051	Y
4	STD20 460-967428/6	20.0	2.594927	50.0	677919.0	0.129746	Y
5	STD50 460-967428/7	50.0	6.005964	50.0	695517.0	0.120119	Y
6	STD200 460-967428/8	200.0	25.801415	50.0	751982.0	0.129007	Y
7	STD500 460-967428/9	500.0	63.052212	50.0	746023.0	0.126104	Y



Calibration / 1,2-Dichloroethane

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

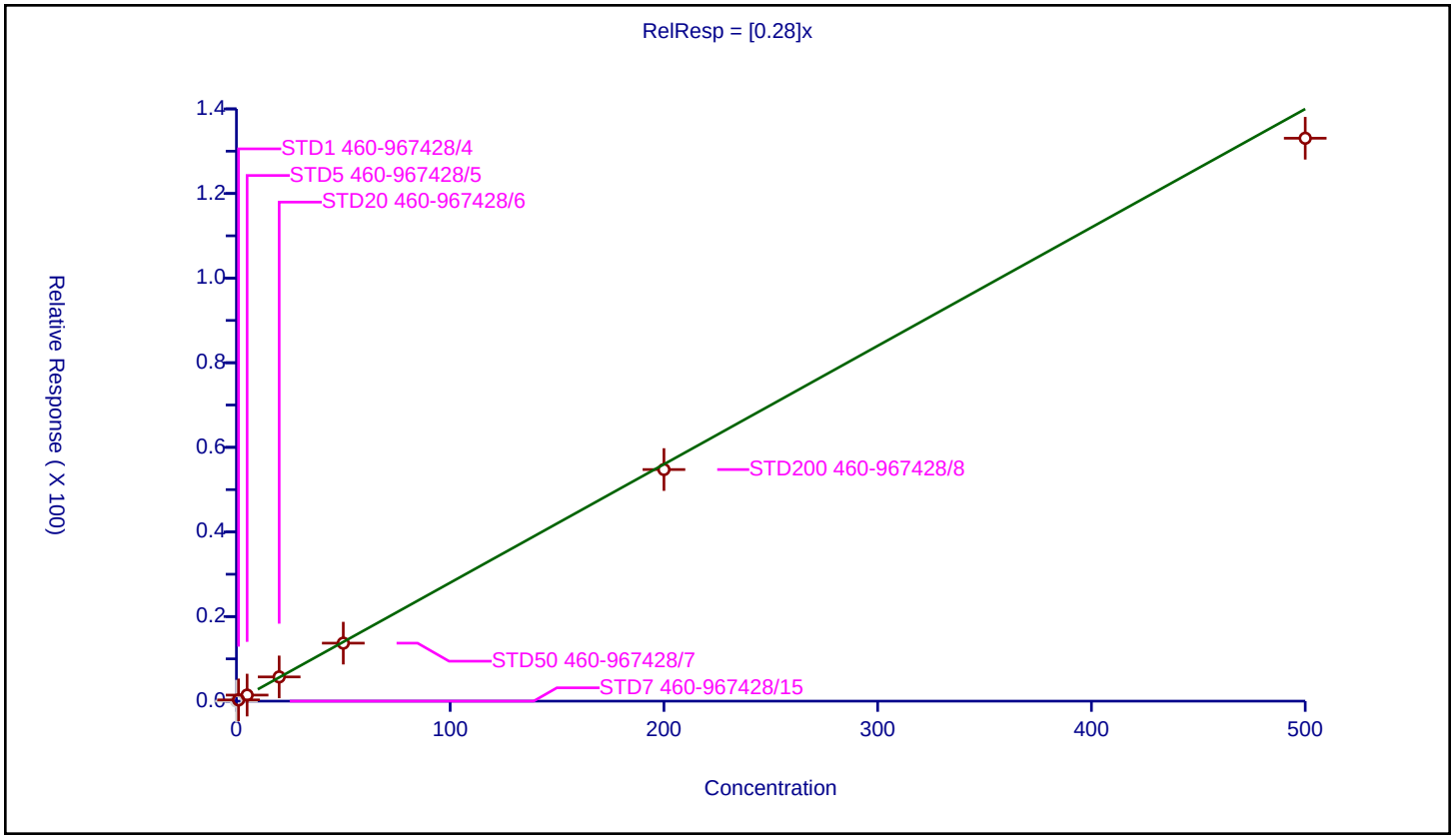
Curve Coefficients

Intercept:	0
Slope:	0.28

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.293381	50.0	667222.0	0.293381	Y
3	STD5 460-967428/5	5.0	1.42958	50.0	683802.0	0.285916	Y
4	STD20 460-967428/6	20.0	5.729003	50.0	677919.0	0.28645	Y
5	STD50 460-967428/7	50.0	13.709586	50.0	695517.0	0.274192	Y
6	STD200 460-967428/8	200.0	54.744595	50.0	751982.0	0.273723	Y
7	STD500 460-967428/9	500.0	133.059973	50.0	746023.0	0.26612	Y



Calibration / n-Heptane

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

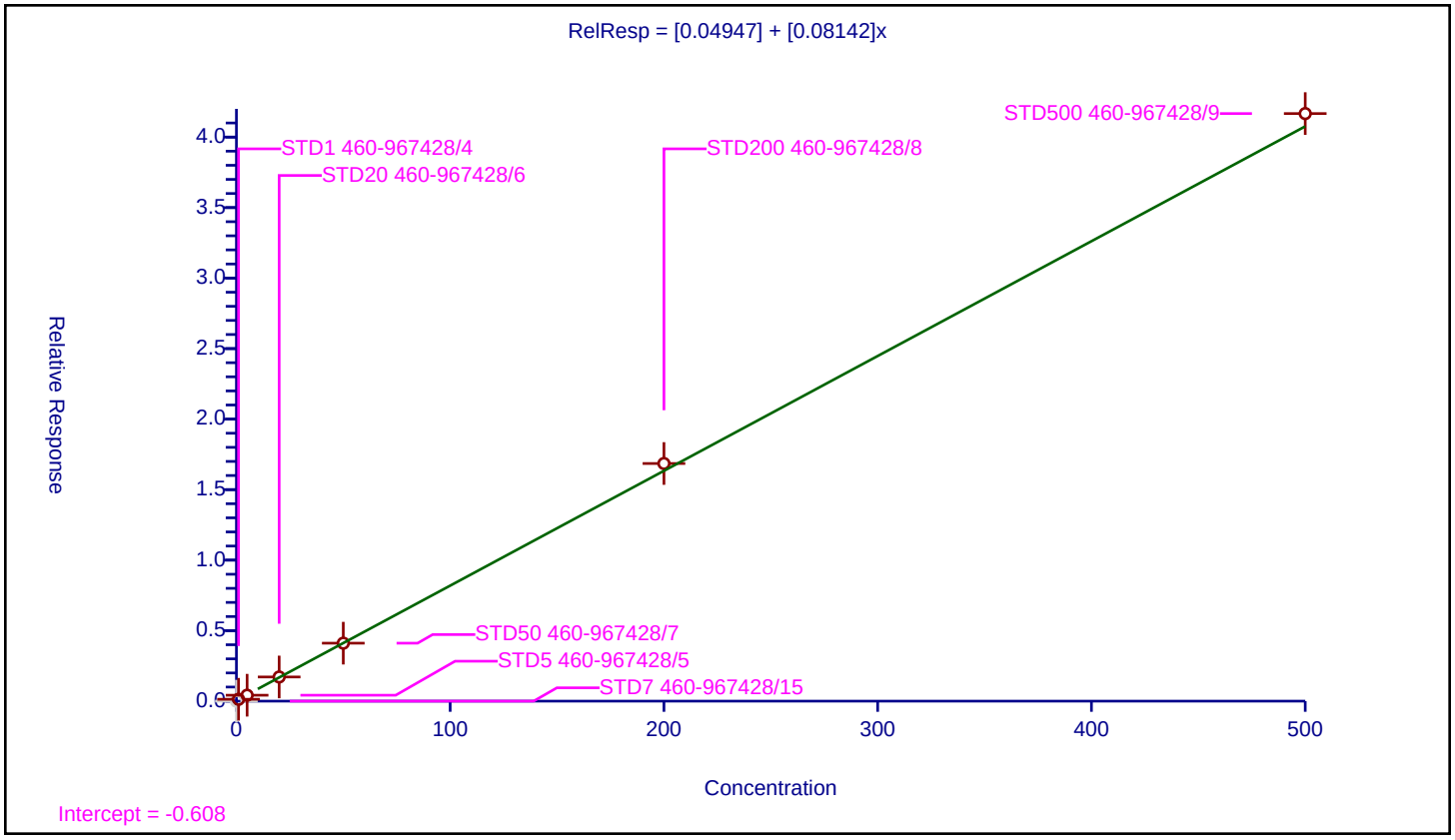
Curve Coefficients

Intercept:	0.04947
Slope:	0.08142

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.132265	50.0	667222.0	0.132265	Y
3	STD5 460-967428/5	5.0	0.419712	50.0	683802.0	0.083942	Y
4	STD20 460-967428/6	20.0	1.7137	50.0	677919.0	0.085685	Y
5	STD50 460-967428/7	50.0	4.110108	50.0	695517.0	0.082202	Y
6	STD200 460-967428/8	200.0	16.852731	50.0	751982.0	0.084264	Y
7	STD500 460-967428/9	500.0	41.66708	50.0	746023.0	0.083334	Y



Calibration / n-Butanol

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

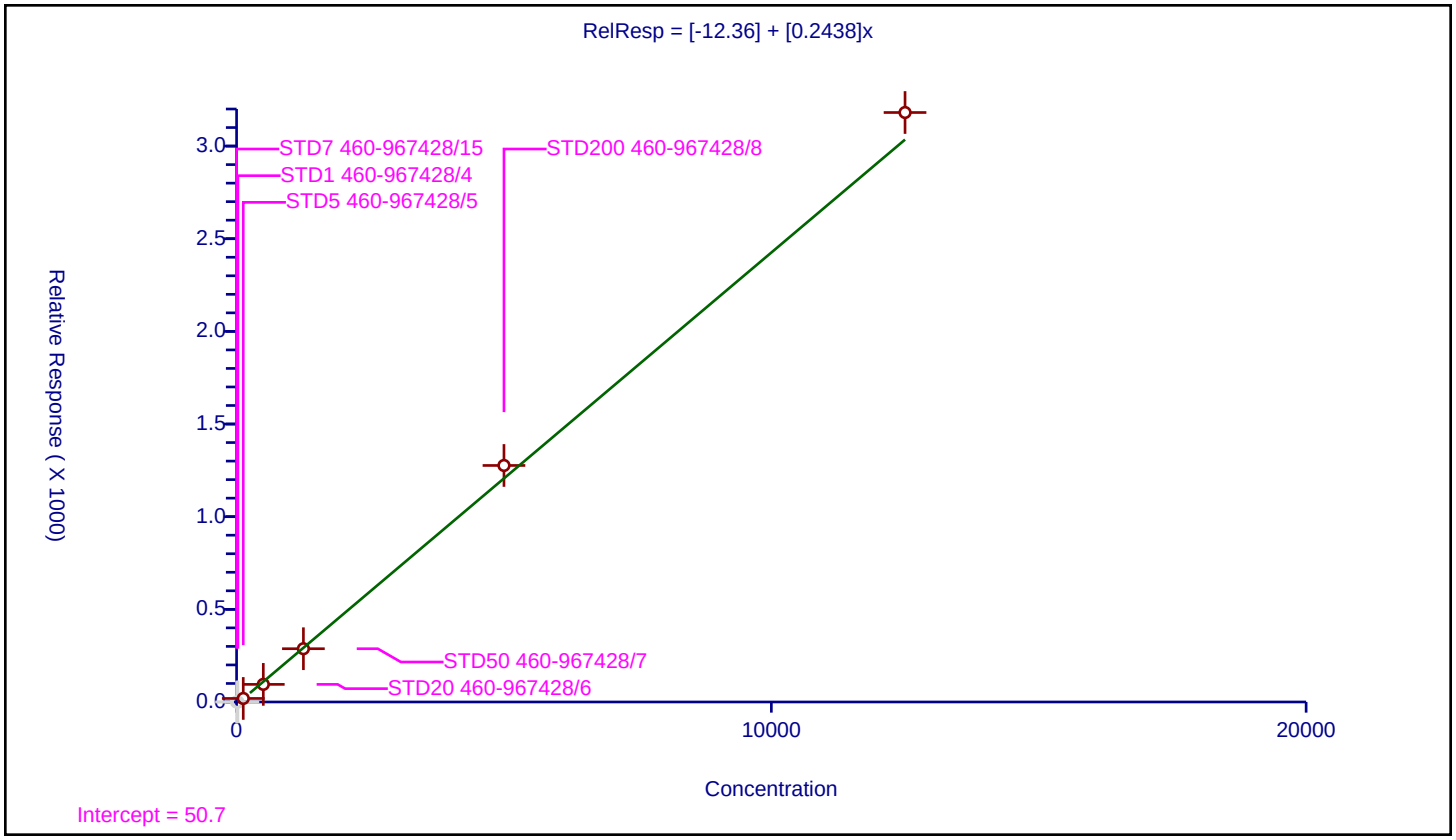
Curve Coefficients

Intercept:	-12.36
Slope:	0.2438

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	25.0	0.0	1000.0	270881.0	0.0	N
3	STD5 460-967428/5	125.0	19.007299	1000.0	261952.0	0.152058	Y
4	STD20 460-967428/6	500.0	95.115163	1000.0	242874.0	0.19023	Y
5	STD50 460-967428/7	1250.0	287.405585	1000.0	217922.0	0.229924	Y
6	STD200 460-967428/8	5000.0	1276.376087	1000.0	209707.0	0.255275	Y
7	STD500 460-967428/9	12500.0	3181.164702	1000.0	208534.0	0.254493	Y



Calibration / Trichloroethene

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

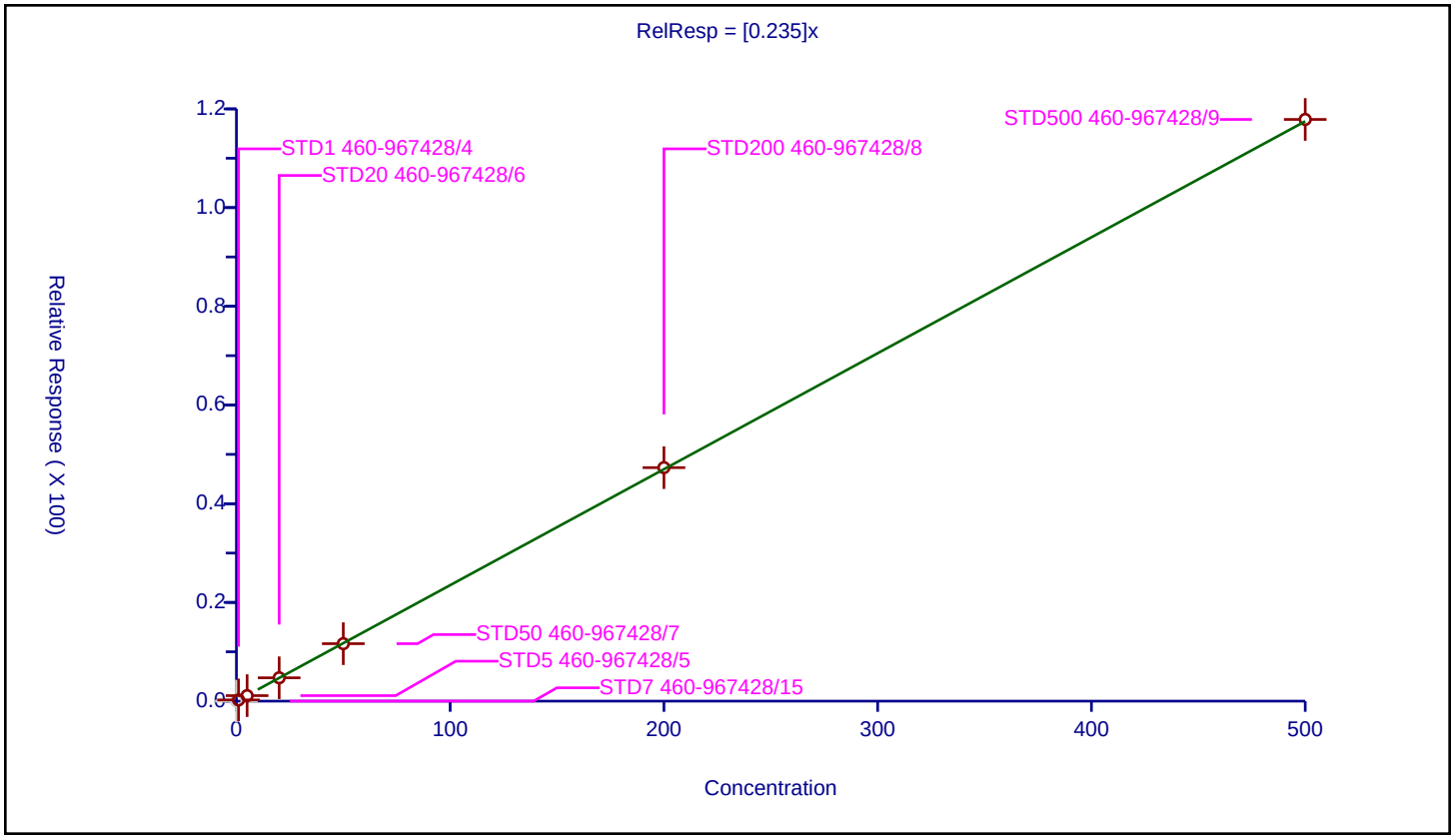
Curve Coefficients

Intercept:	0
Slope:	0.235

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.24572	50.0	667222.0	0.24572	Y
3	STD5 460-967428/5	5.0	1.11253	50.0	683802.0	0.222506	Y
4	STD20 460-967428/6	20.0	4.727998	50.0	677919.0	0.2364	Y
5	STD50 460-967428/7	50.0	11.644575	50.0	695517.0	0.232892	Y
6	STD200 460-967428/8	200.0	47.314763	50.0	751982.0	0.236574	Y
7	STD500 460-967428/9	500.0	117.860575	50.0	746023.0	0.235721	Y



Calibration / Methylcyclohexane

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

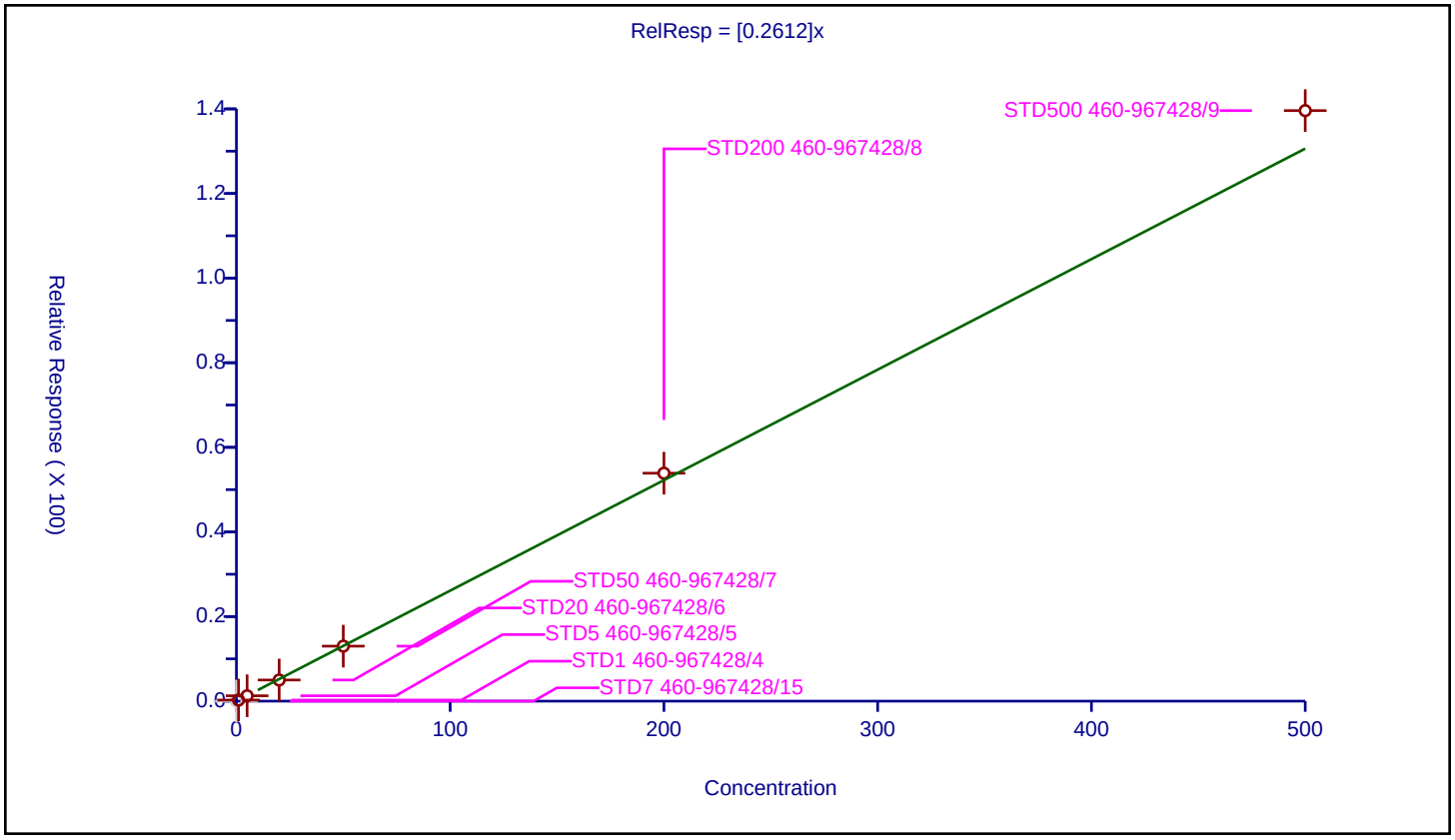
Curve Coefficients

Intercept:	0
Slope:	0.2612

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.255612	50.0	667222.0	0.255612	Y
3	STD5 460-967428/5	5.0	1.266156	50.0	683802.0	0.253231	Y
4	STD20 460-967428/6	20.0	4.99632	50.0	677919.0	0.249816	Y
5	STD50 460-967428/7	50.0	12.999682	50.0	695517.0	0.259994	Y
6	STD200 460-967428/8	200.0	53.88121	50.0	751982.0	0.269406	Y
7	STD500 460-967428/9	500.0	139.590804	50.0	746023.0	0.279182	Y



Calibration / Ethyl acrylate

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

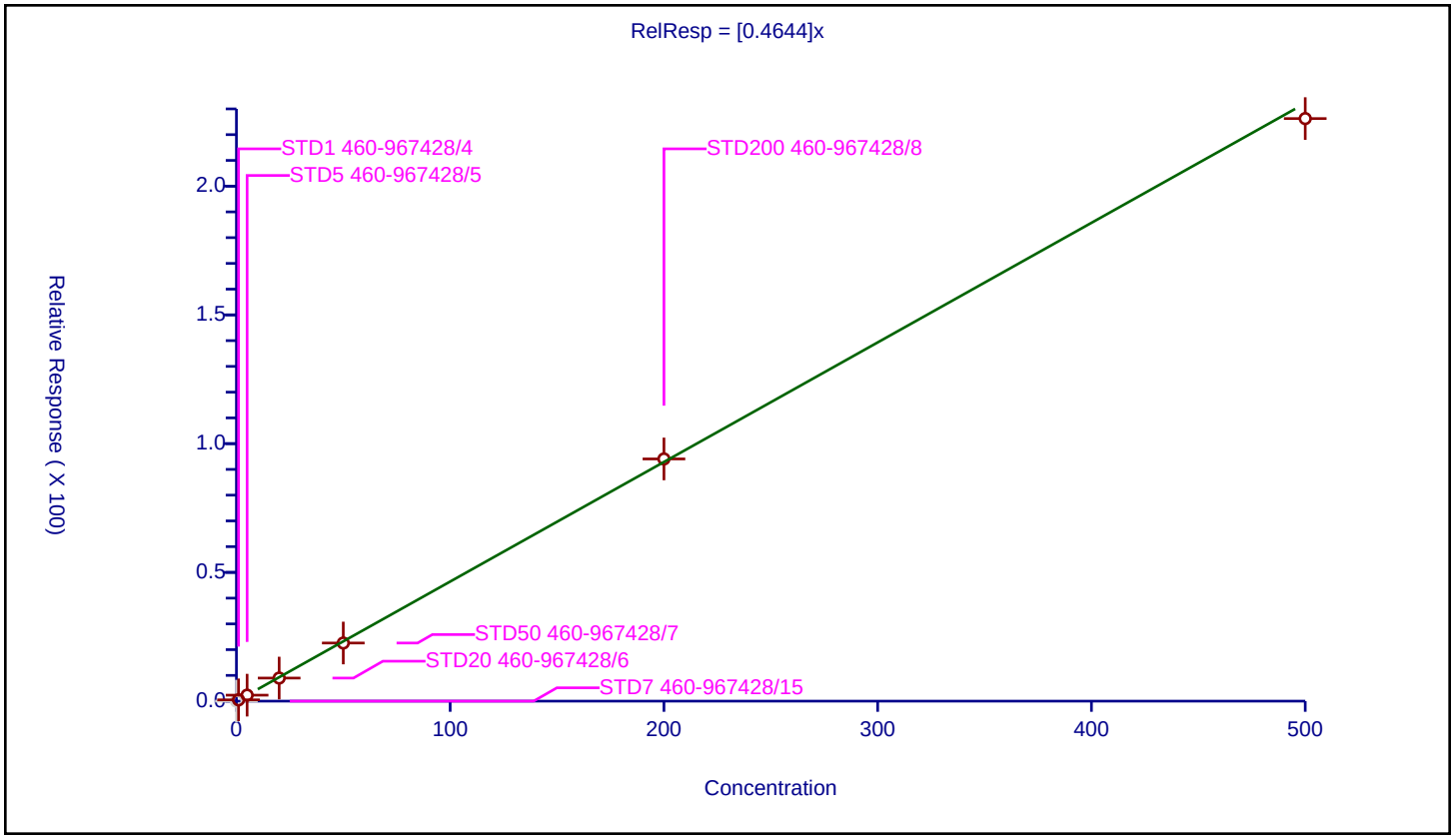
Curve Coefficients

Intercept:	0
Slope:	0.4644

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.49871	50.0	667222.0	0.49871	Y
3	STD5 460-967428/5	5.0	2.32465	50.0	683802.0	0.46493	Y
4	STD20 460-967428/6	20.0	8.967517	50.0	677919.0	0.448376	Y
5	STD50 460-967428/7	50.0	22.572633	50.0	695517.0	0.451453	Y
6	STD200 460-967428/8	200.0	94.05511	50.0	751982.0	0.470276	Y
7	STD500 460-967428/9	500.0	226.239942	50.0	746023.0	0.45248	Y



Calibration / 1,2-Dichloropropane

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

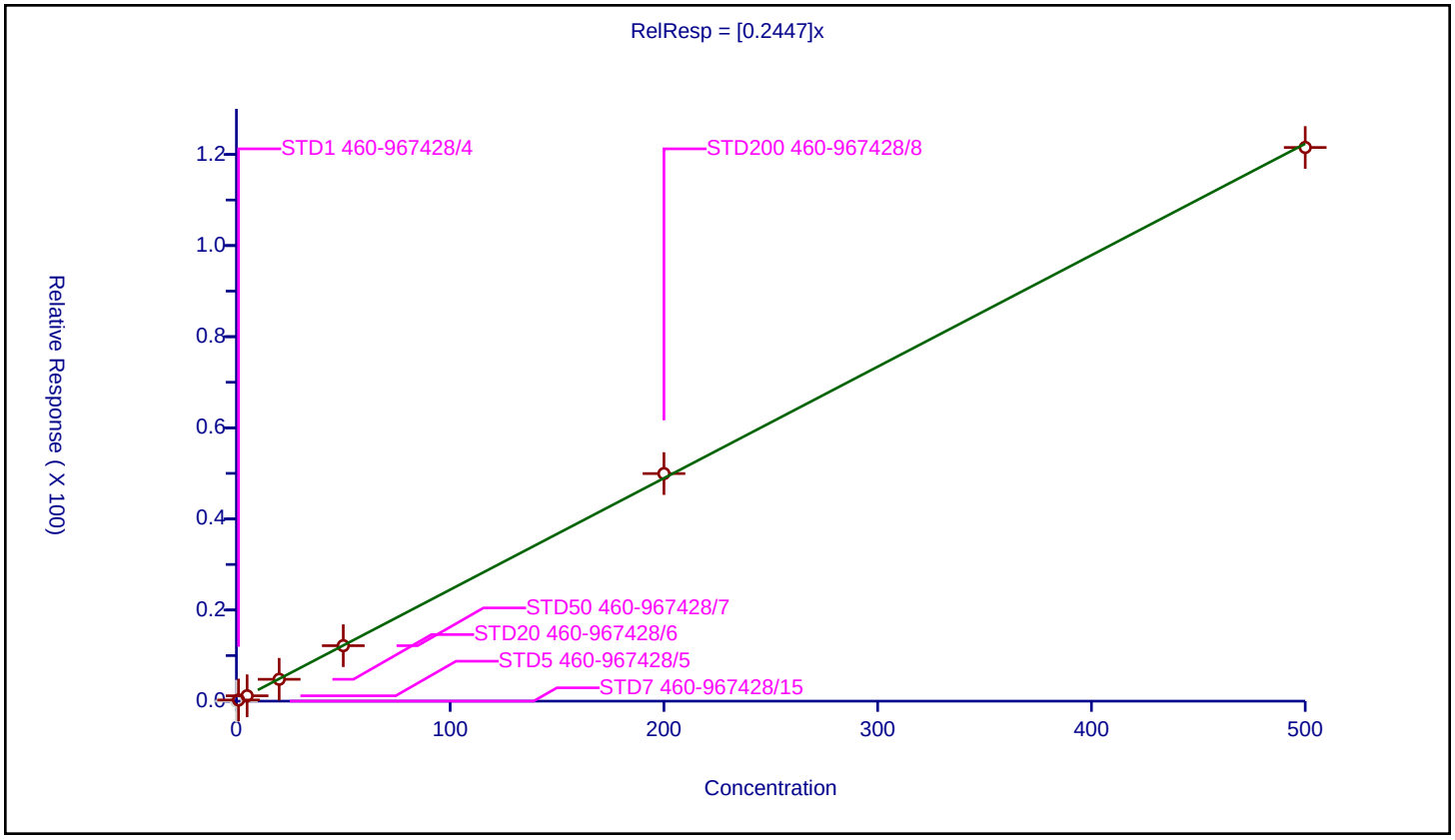
Curve Coefficients

Intercept:	0
Slope:	0.2447

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.255912	50.0	667222.0	0.255912	Y
3	STD5 460-967428/5	5.0	1.180605	50.0	683802.0	0.236121	Y
4	STD20 460-967428/6	20.0	4.796001	50.0	677919.0	0.2398	Y
5	STD50 460-967428/7	50.0	12.175978	50.0	695517.0	0.24352	Y
6	STD200 460-967428/8	200.0	49.953124	50.0	751982.0	0.249766	Y
7	STD500 460-967428/9	500.0	121.528559	50.0	746023.0	0.243057	Y



Calibration / Methyl methacrylate

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

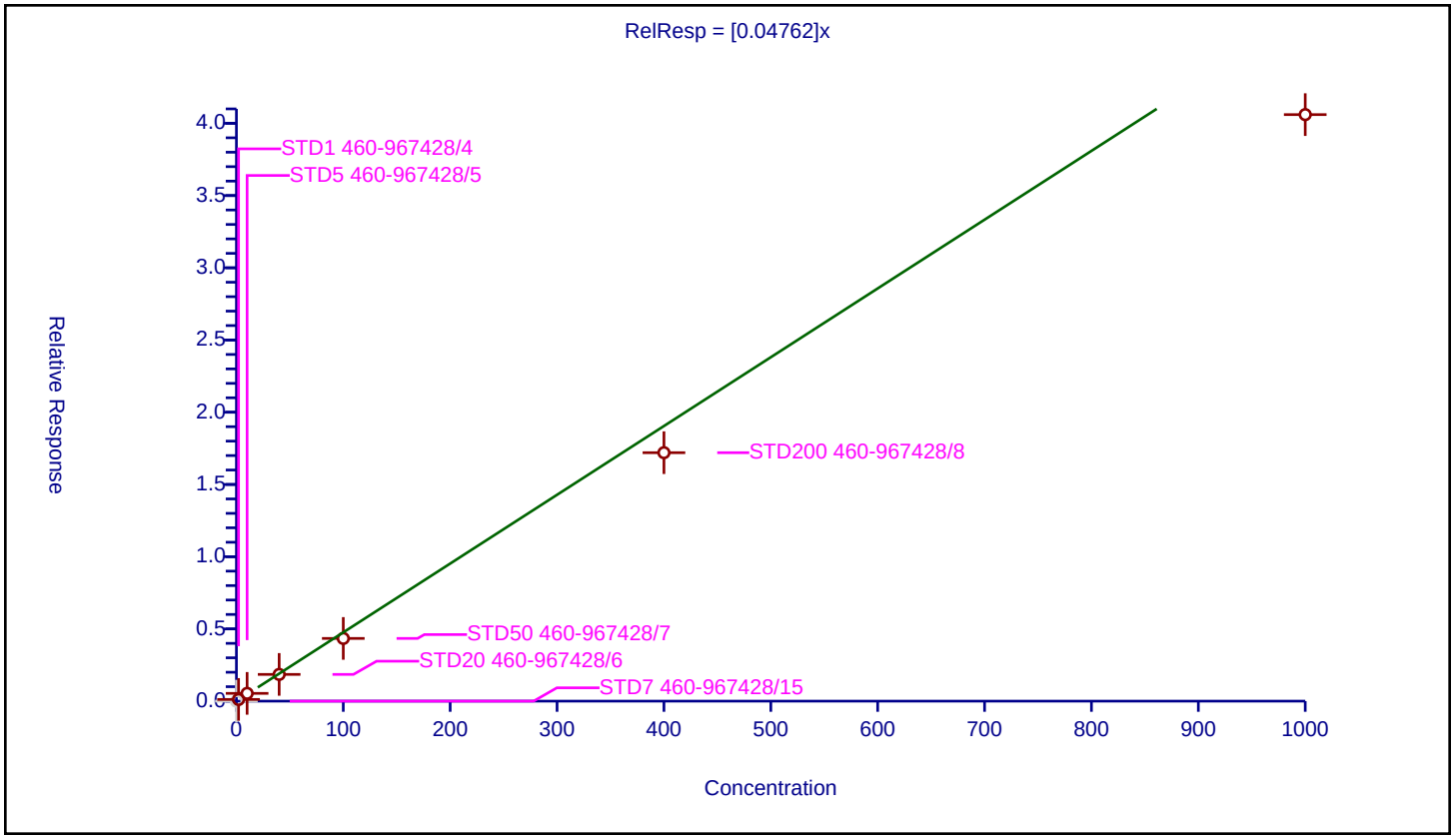
Curve Coefficients

Intercept:	0
Slope:	0.04762

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	2.0	0.117352	50.0	667222.0	0.058676	Y
3	STD5 460-967428/5	10.0	0.537583	50.0	683802.0	0.053758	Y
4	STD20 460-967428/6	40.0	1.849926	50.0	677919.0	0.046248	Y
5	STD50 460-967428/7	100.0	4.340584	50.0	695517.0	0.043406	Y
6	STD200 460-967428/8	400.0	17.199481	50.0	751982.0	0.042999	Y
7	STD500 460-967428/9	1000.0	40.603775	50.0	746023.0	0.040604	Y



Calibration / 1,4-Dioxane

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

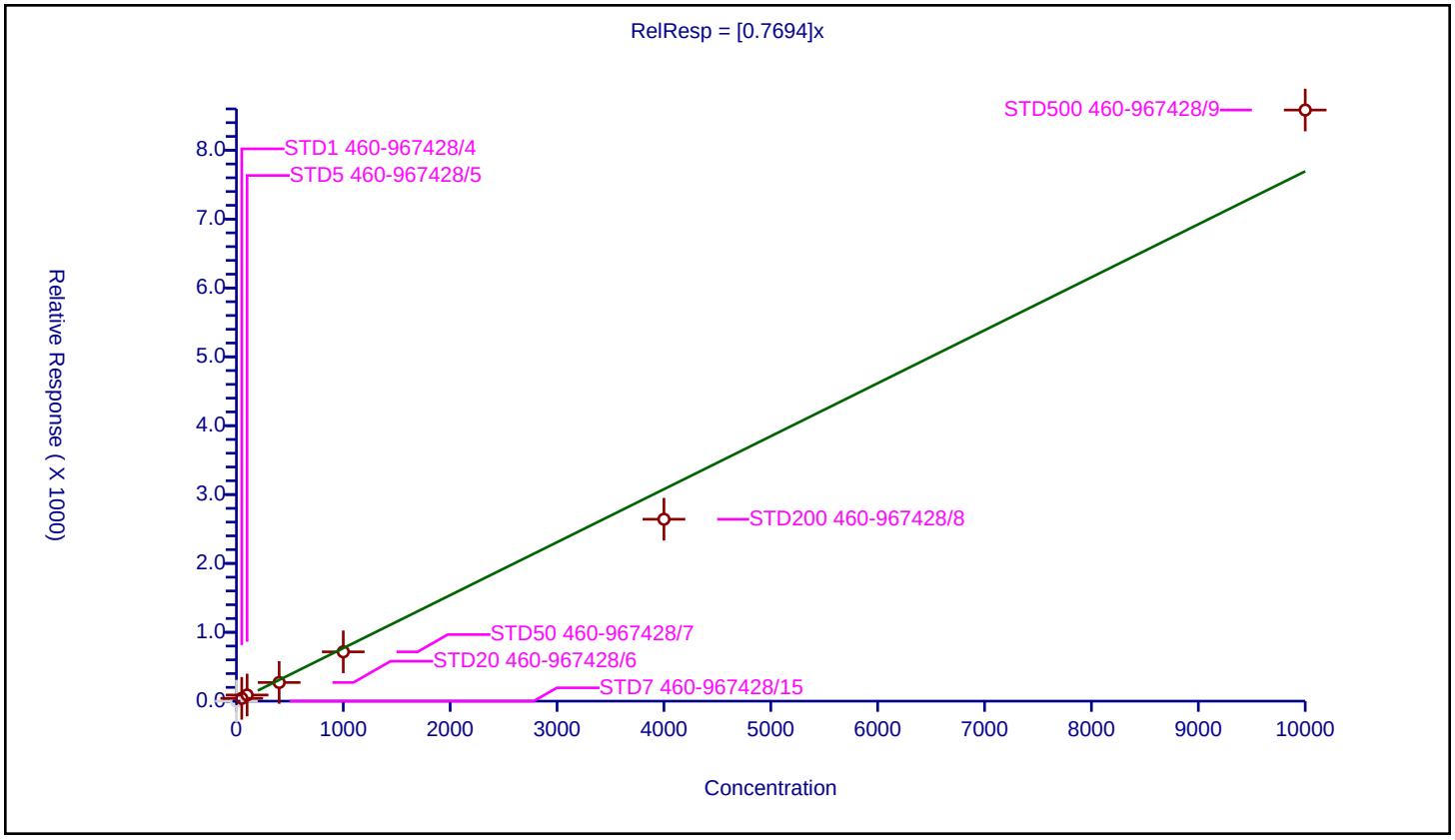
Curve Coefficients

Intercept:	0
Slope:	0.7694

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	31993.0	NaN	N
2	STD1 460-967428/4	50.000062	40.693816	1000.0	33150.0	0.813875	Y
3	STD5 460-967428/5	100.0	89.075109	1000.0	32220.0	0.890751	Y
4	STD20 460-967428/6	400.0	270.732667	1000.0	35596.0	0.676832	Y
5	STD50 460-967428/7	1000.0	716.059372	1000.0	35842.0	0.716059	Y
6	STD200 460-967428/8	4000.0	2641.207766	1000.0	35901.0	0.660302	Y
7	STD500 460-967428/9	10000.0	8583.290356	1000.0	29085.0	0.858329	Y



Calibration / Dibromomethane

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

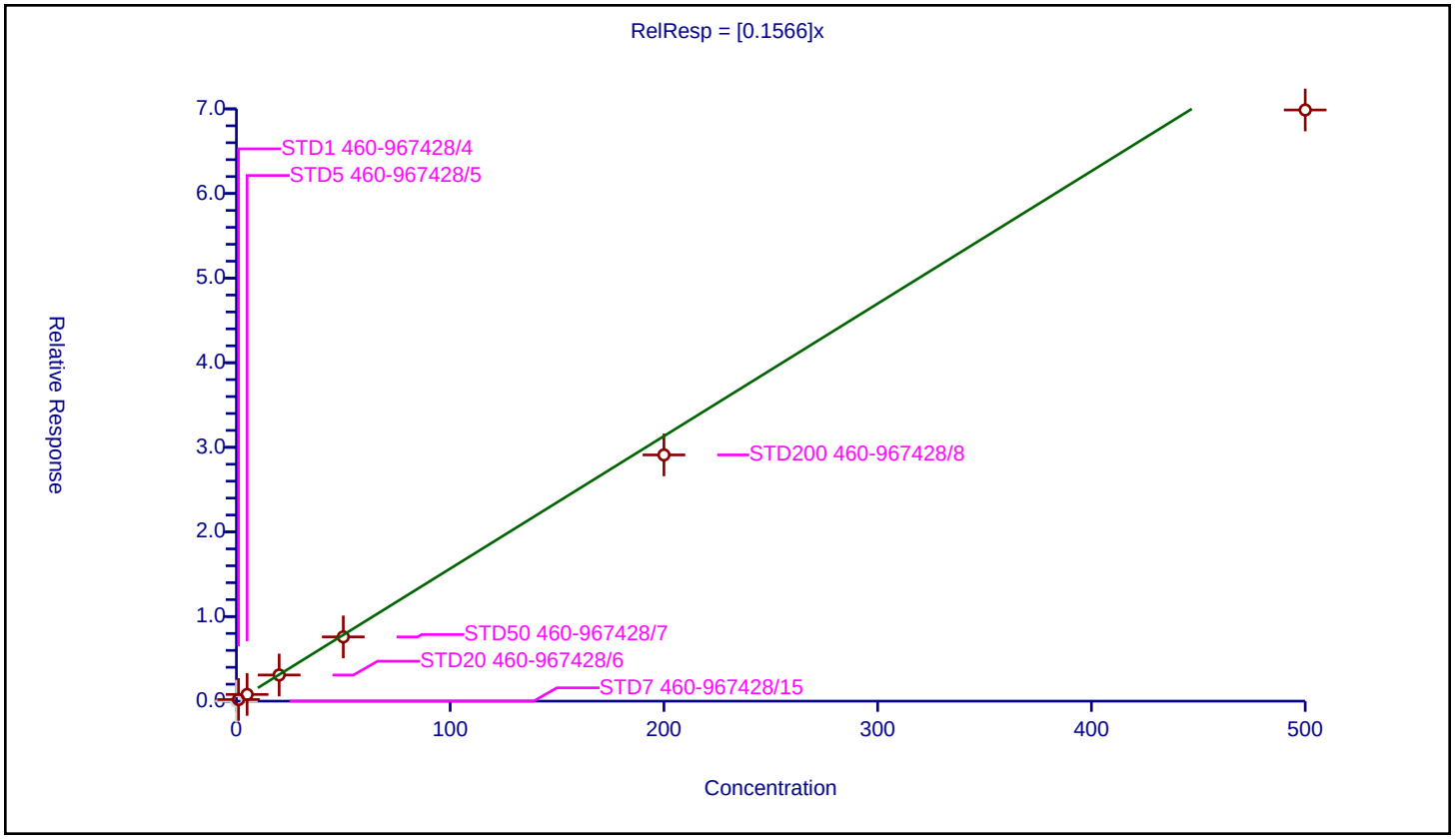
Curve Coefficients

Intercept:	0
Slope:	0.1566

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.189667	50.0	667222.0	0.189667	Y
3	STD5 460-967428/5	5.0	0.79175	50.0	683802.0	0.15835	Y
4	STD20 460-967428/6	20.0	3.091077	50.0	677919.0	0.154554	Y
5	STD50 460-967428/7	50.0	7.594566	50.0	695517.0	0.151891	Y
6	STD200 460-967428/8	200.0	29.102691	50.0	751982.0	0.145513	Y
7	STD500 460-967428/9	500.0	69.871237	50.0	746023.0	0.139742	Y



Calibration / n-Propyl acetate

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

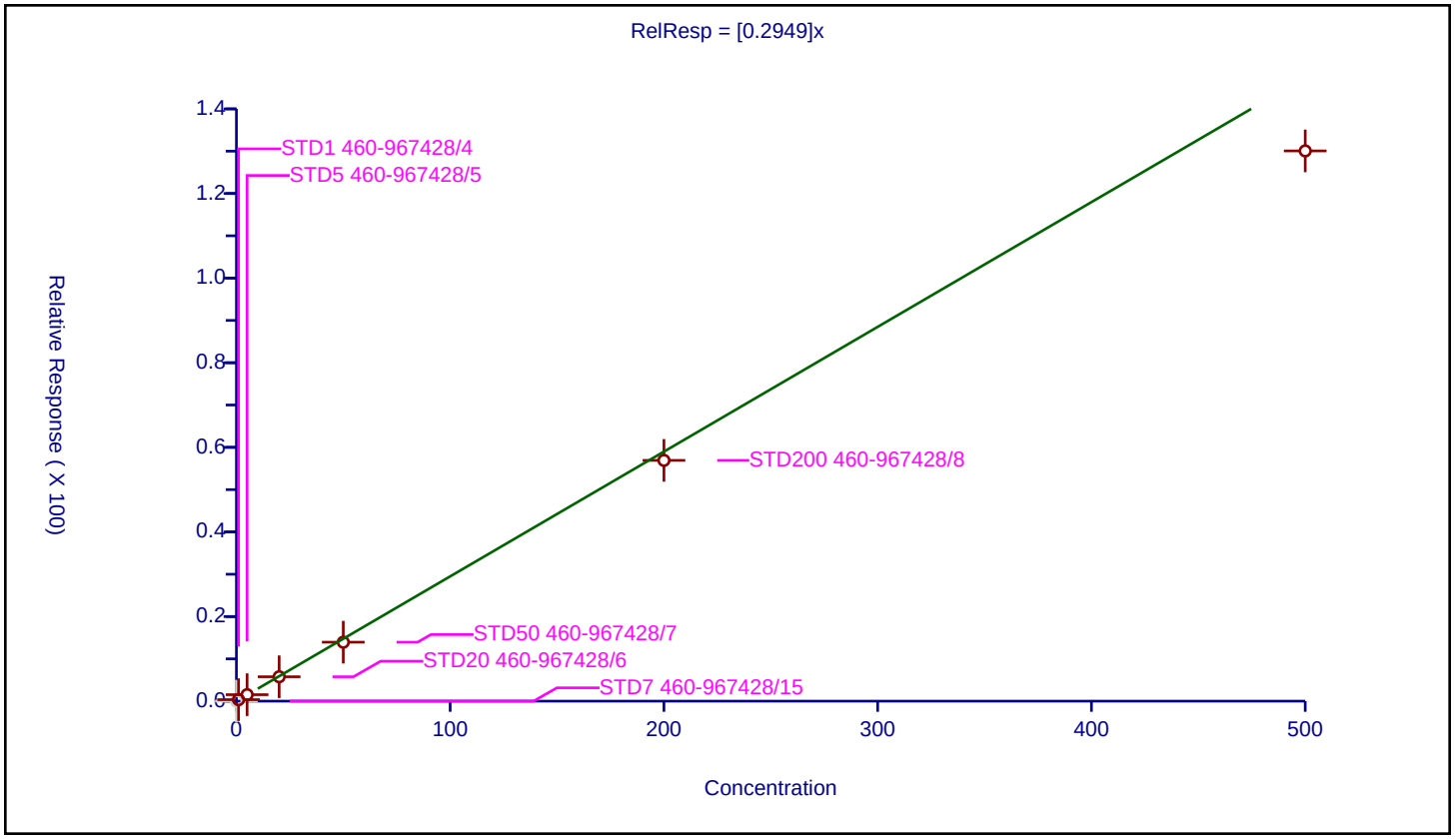
Curve Coefficients

Intercept:	0
Slope:	0.2949

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.351982	50.0	667222.0	0.351982	Y
3	STD5 460-967428/5	5.0	1.528366	50.0	683802.0	0.305673	Y
4	STD20 460-967428/6	20.0	5.766766	50.0	677919.0	0.288338	Y
5	STD50 460-967428/7	50.0	13.936252	50.0	695517.0	0.278725	Y
6	STD200 460-967428/8	200.0	56.91333	50.0	751982.0	0.284567	Y
7	STD500 460-967428/9	500.0	130.065561	50.0	746023.0	0.260131	Y



Calibration / Dichlorobromomethane

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

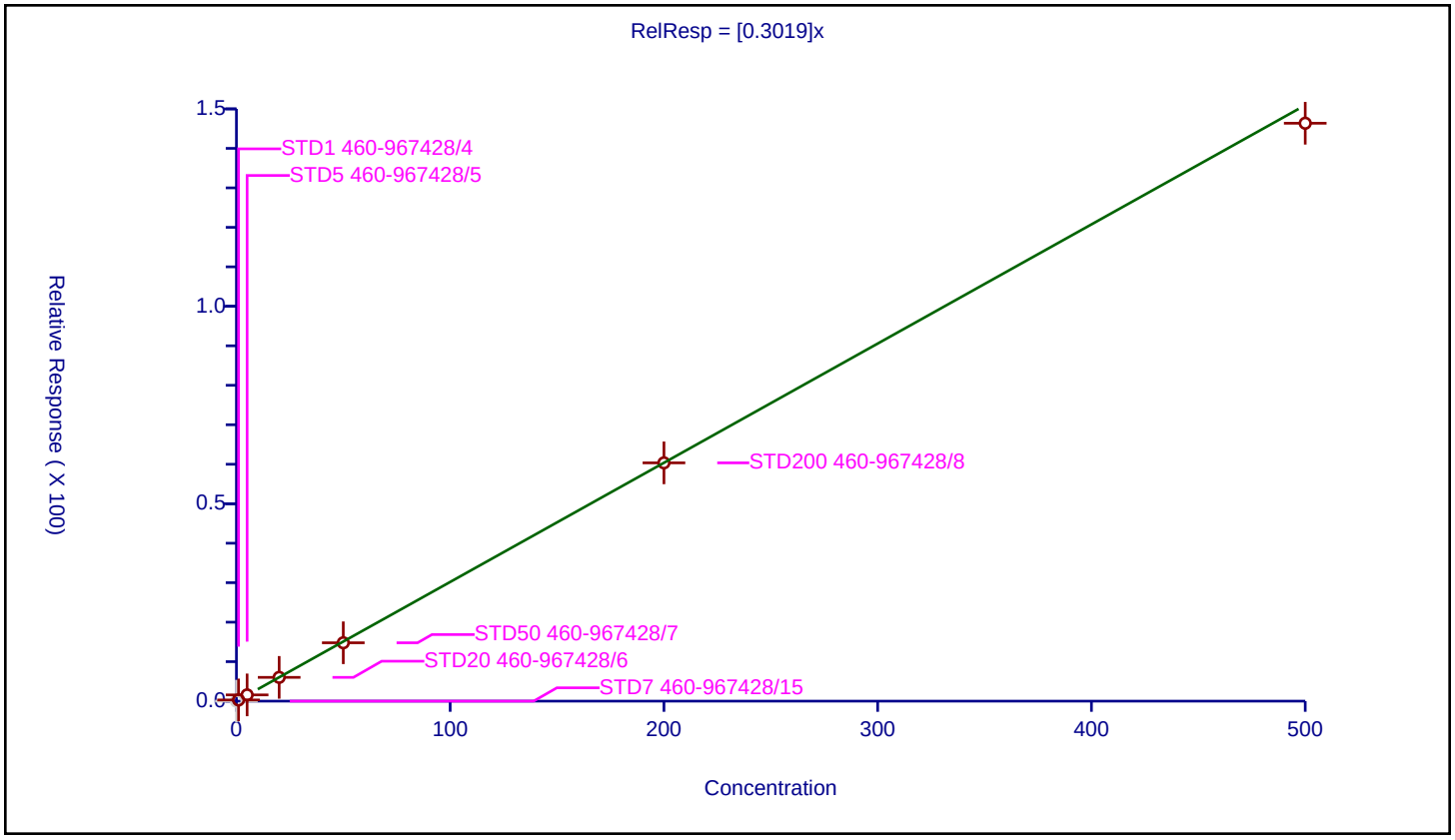
Curve Coefficients

Intercept:	0
Slope:	0.3019

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.303497	50.0	667222.0	0.303497	Y
3	STD5 460-967428/5	5.0	1.582329	50.0	683802.0	0.316466	Y
4	STD20 460-967428/6	20.0	6.023138	50.0	677919.0	0.301157	Y
5	STD50 460-967428/7	50.0	14.779941	50.0	695517.0	0.295599	Y
6	STD200 460-967428/8	200.0	60.351112	50.0	751982.0	0.301756	Y
7	STD500 460-967428/9	500.0	146.366399	50.0	746023.0	0.292733	Y



Calibration / 2-Nitropropane

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

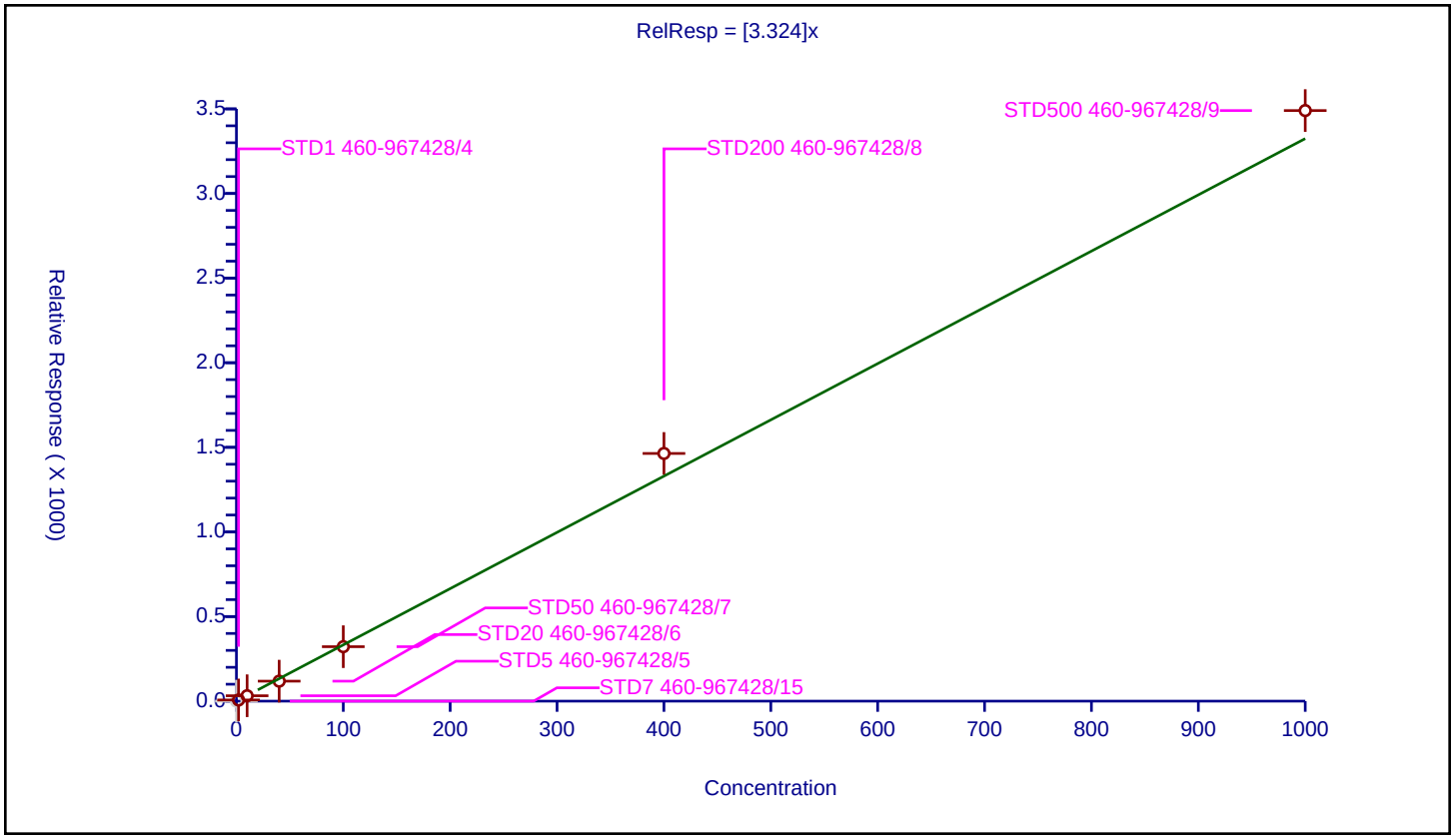
Curve Coefficients

Intercept:	0
Slope:	3.324

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	1000.0	249190.0	NaN	N
2	STD1 460-967428/4	2.0	6.888634	1000.0	270881.0	3.444317	Y
3	STD5 460-967428/5	10.0	31.807354	1000.0	261952.0	3.180735	Y
4	STD20 460-967428/6	40.0	118.18062	1000.0	242874.0	2.954516	Y
5	STD50 460-967428/7	100.0	321.752737	1000.0	217922.0	3.217527	Y
6	STD200 460-967428/8	400.0	1463.665972	1000.0	209707.0	3.659165	Y
7	STD500 460-967428/9	1000.0	3490.107129	1000.0	208534.0	3.490107	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

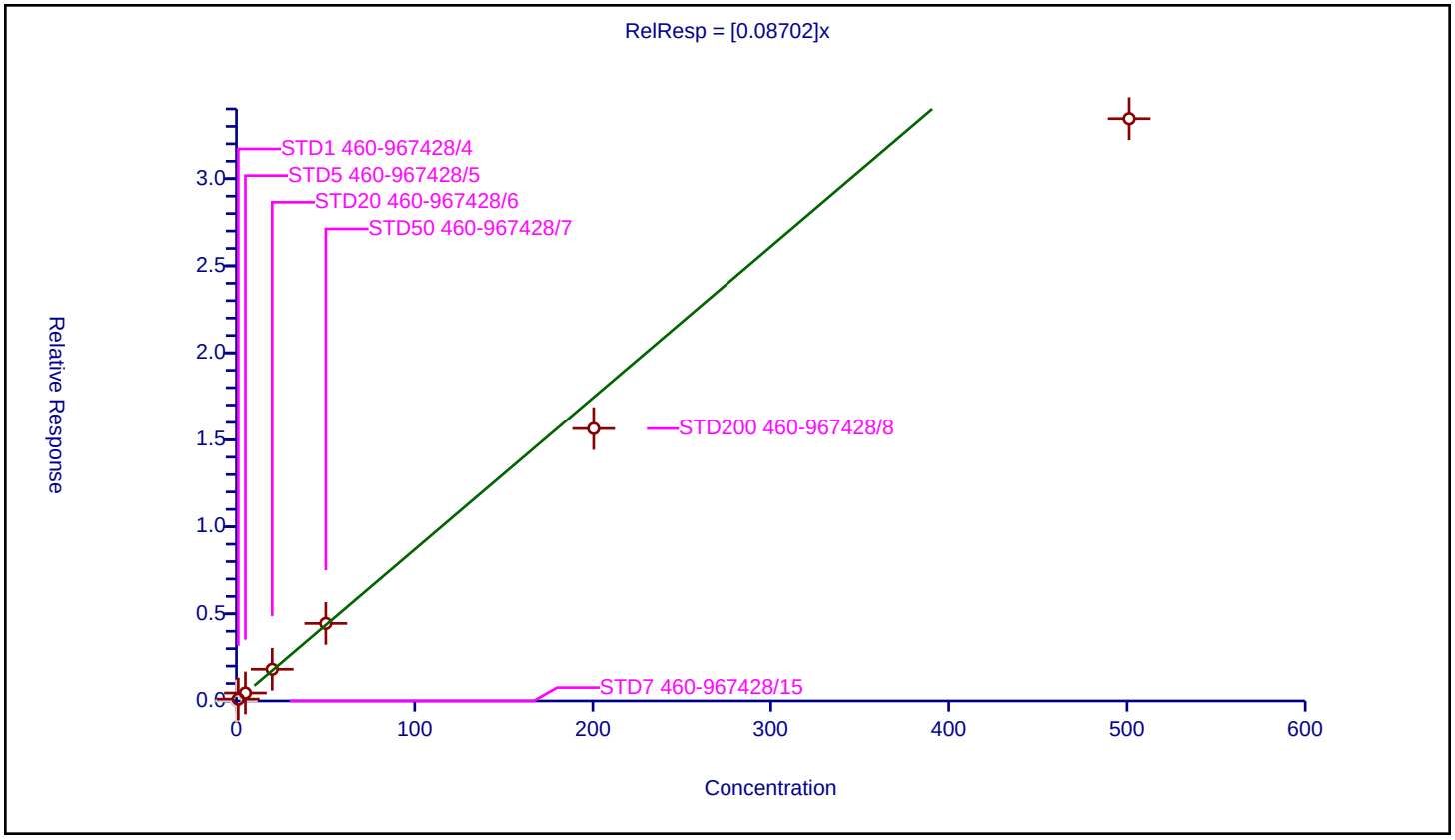
Curve Coefficients

Intercept:	0
Slope:	0.08702

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0024	0.107011	50.0	667222.0	0.106755	Y
3	STD5 460-967428/5	5.012	0.456565	50.0	683802.0	0.091094	Y
4	STD20 460-967428/6	20.048	1.817548	50.0	677919.0	0.09066	Y
5	STD50 460-967428/7	50.12	4.451724	50.0	695517.0	0.088821	Y
6	STD200 460-967428/8	200.48	15.647582	50.0	751982.0	0.078051	Y
7	STD500 460-967428/9	501.2	33.439854	50.0	746023.0	0.06672	Y



Calibration / Epichlorohydrin

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

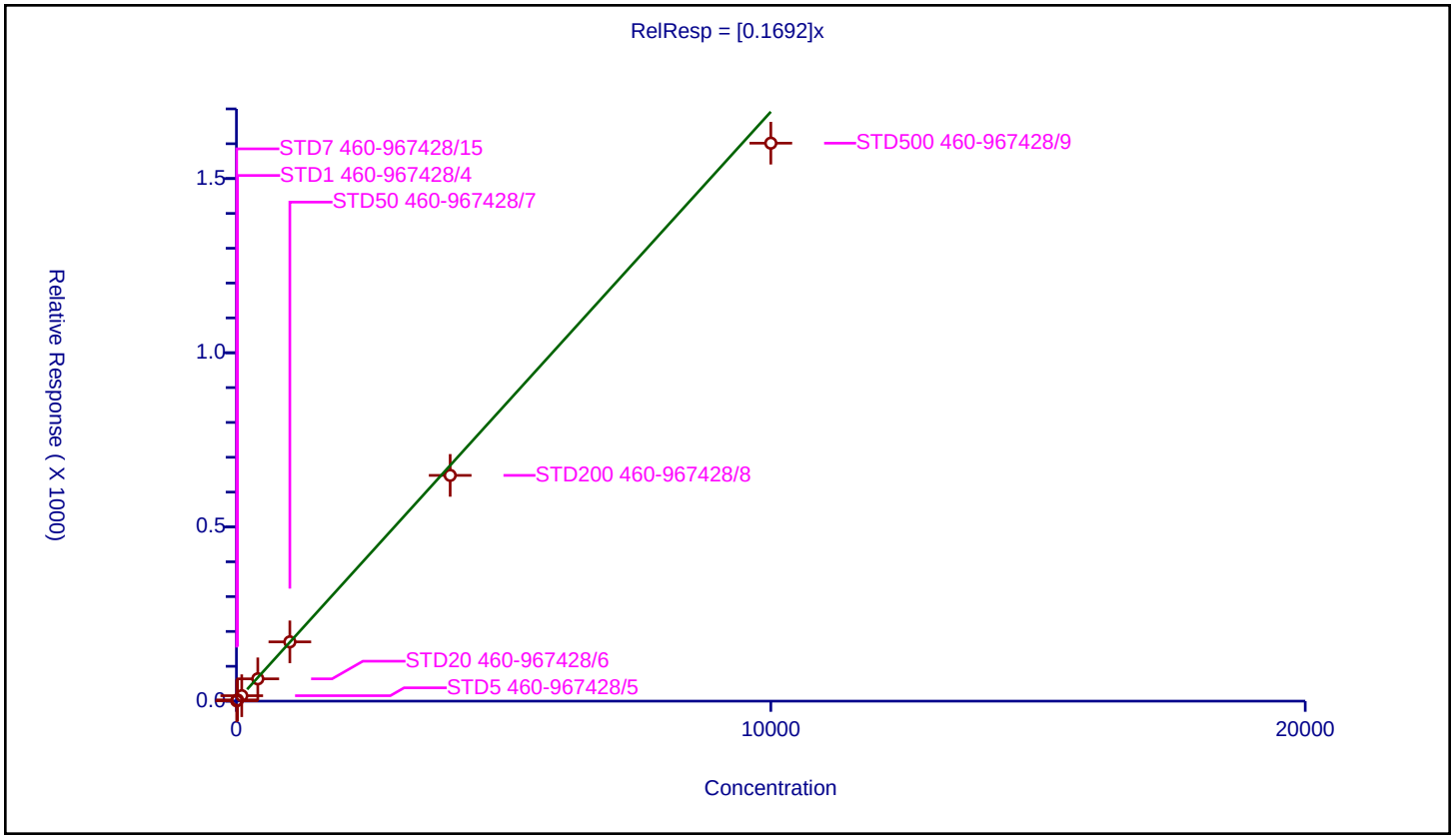
Curve Coefficients

Intercept:	0
Slope:	0.1692

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	5.000009	0.981198	250.0	344477.0	0.196239	Y
2	STD1 460-967428/4	20.000035	3.590333	250.0	381998.0	0.179516	Y
3	STD5 460-967428/5	100.000173	15.608239	250.0	387808.0	0.156082	Y
4	STD20 460-967428/6	400.000692	64.052137	250.0	371826.0	0.16013	Y
5	STD50 460-967428/7	1000.00173	170.106516	250.0	348586.0	0.170106	Y
6	STD200 460-967428/8	4000.00692	648.019482	250.0	371115.0	0.162005	Y
7	STD500 460-967428/9	10000.0173	1601.604517	250.0	341754.0	0.16016	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

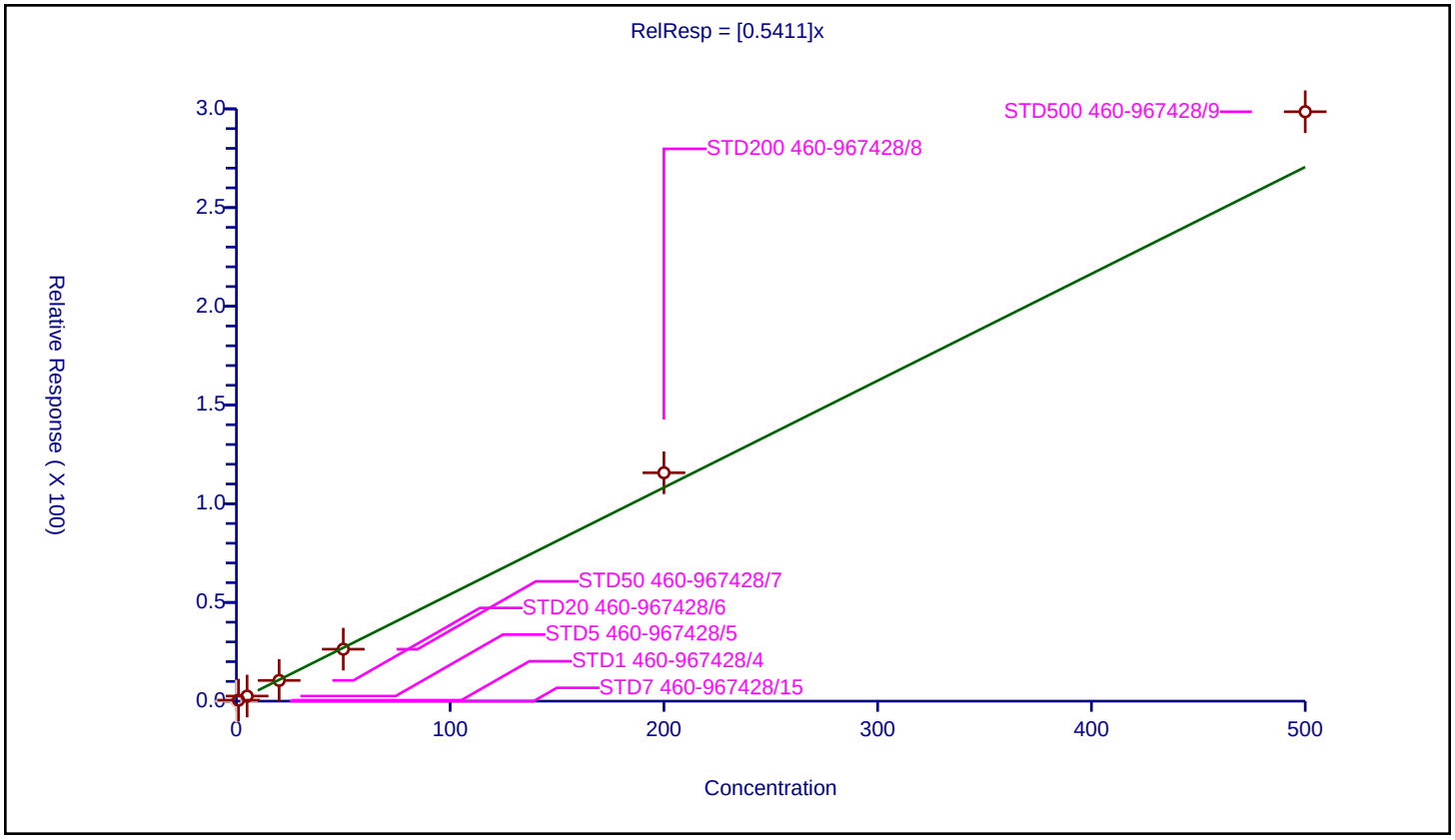
Curve Coefficients

Intercept:	0
Slope:	0.5411

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.50141	50.0	489420.0	0.50141	Y
3	STD5 460-967428/5	5.0	2.589452	50.0	495375.0	0.51789	Y
4	STD20 460-967428/6	20.0	10.505278	50.0	489097.0	0.525264	Y
5	STD50 460-967428/7	50.0	26.326326	50.0	489265.0	0.526527	Y
6	STD200 460-967428/8	200.0	115.684808	50.0	496745.0	0.578424	Y
7	STD500 460-967428/9	500.0	298.550378	50.0	468329.0	0.597101	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

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

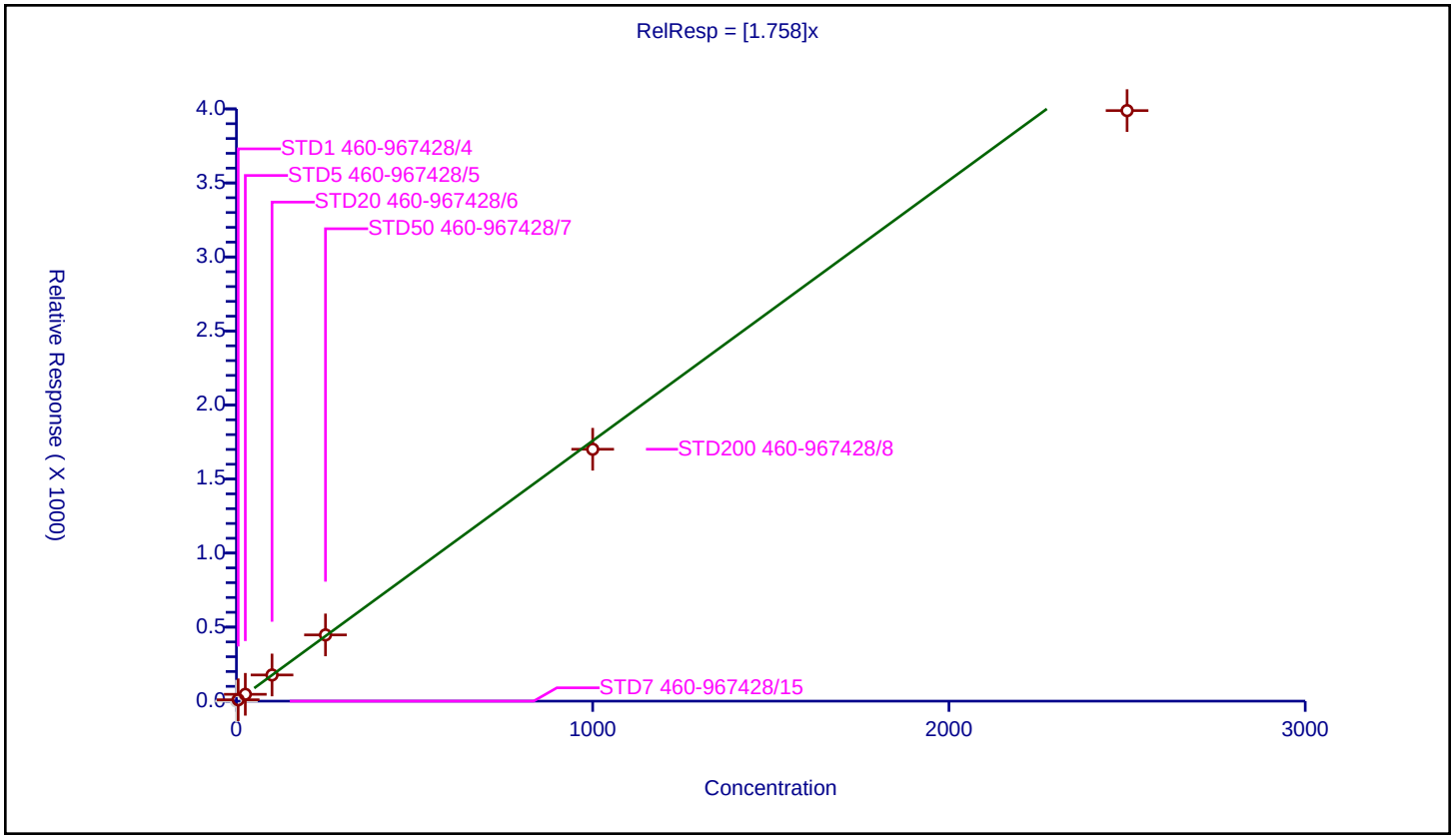
Curve Coefficients

Intercept:	0
Slope:	1.758

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	250.0	344477.0	NaN	N
2	STD1 460-967428/4	5.0	9.248085	250.0	381998.0	1.849617	Y
3	STD5 460-967428/5	25.0	46.178135	250.0	387808.0	1.847125	Y
4	STD20 460-967428/6	100.0	176.811197	250.0	371826.0	1.768112	Y
5	STD50 460-967428/7	250.0	447.198109	250.0	348586.0	1.788792	Y
6	STD200 460-967428/8	1000.0	1701.204478	250.0	371115.0	1.701204	Y
7	STD500 460-967428/9	2500.0	3988.535613	250.0	341754.0	1.595414	Y



Calibration / Toluene-d8 (Surr)

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

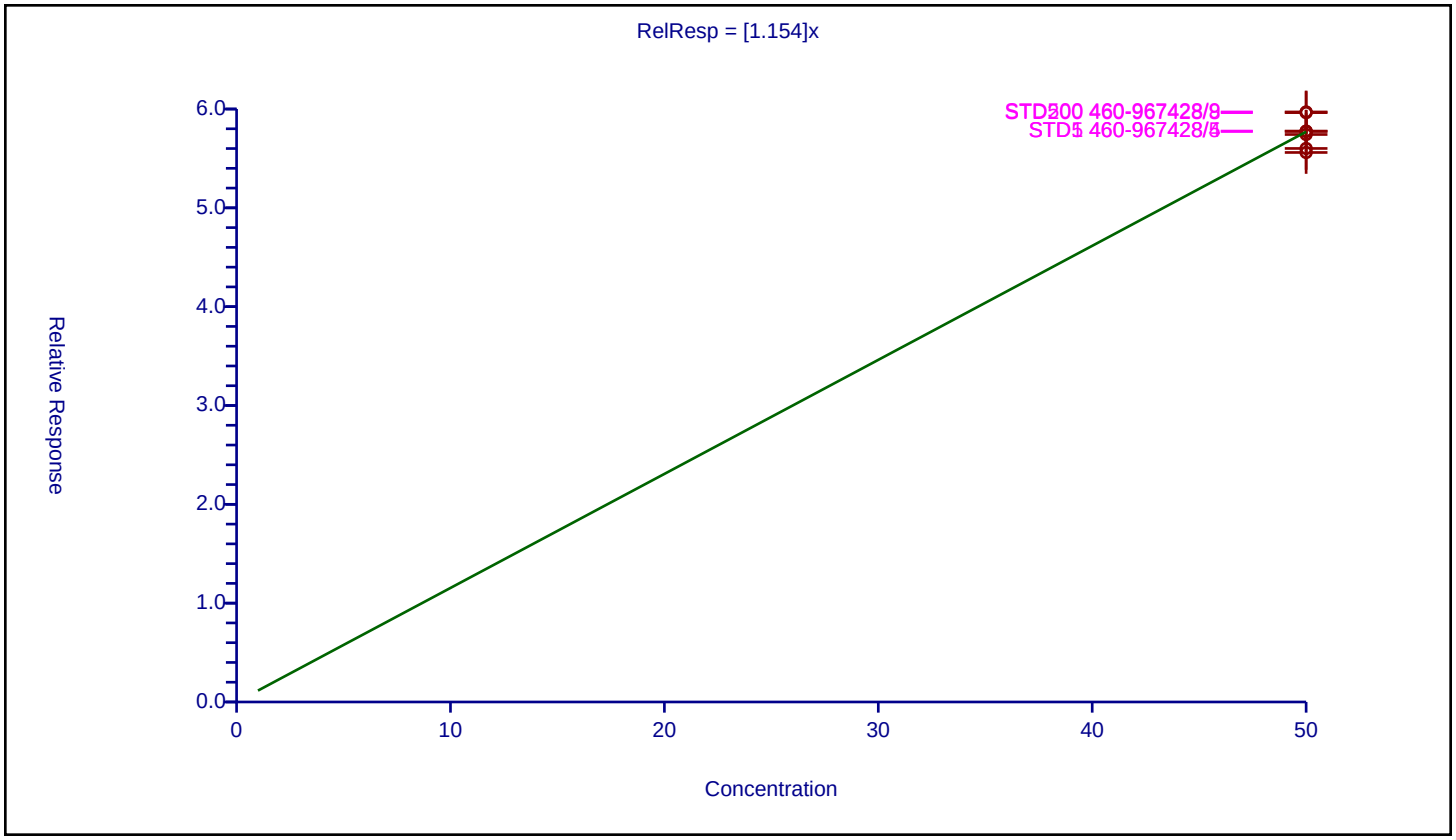
Curve Coefficients

Intercept:	0
Slope:	1.154

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-967428/4	50.0	57.730988	50.0	489420.0	1.15462	Y
2	STD5 460-967428/5	50.0	57.767853	50.0	495375.0	1.155357	Y
3	STD20 460-967428/6	50.0	56.009442	50.0	489097.0	1.120189	Y
4	STD50 460-967428/7	50.0	57.42103	50.0	489265.0	1.148421	Y
5	STD200 460-967428/8	50.0	59.63291	50.0	496745.0	1.192658	Y
6	STD500 460-967428/9	50.0	59.704182	50.0	468329.0	1.194084	Y
7	STD7 460-967428/15	50.0	55.601086	50.0	491610.0	1.112022	Y



Calibration / Toluene

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

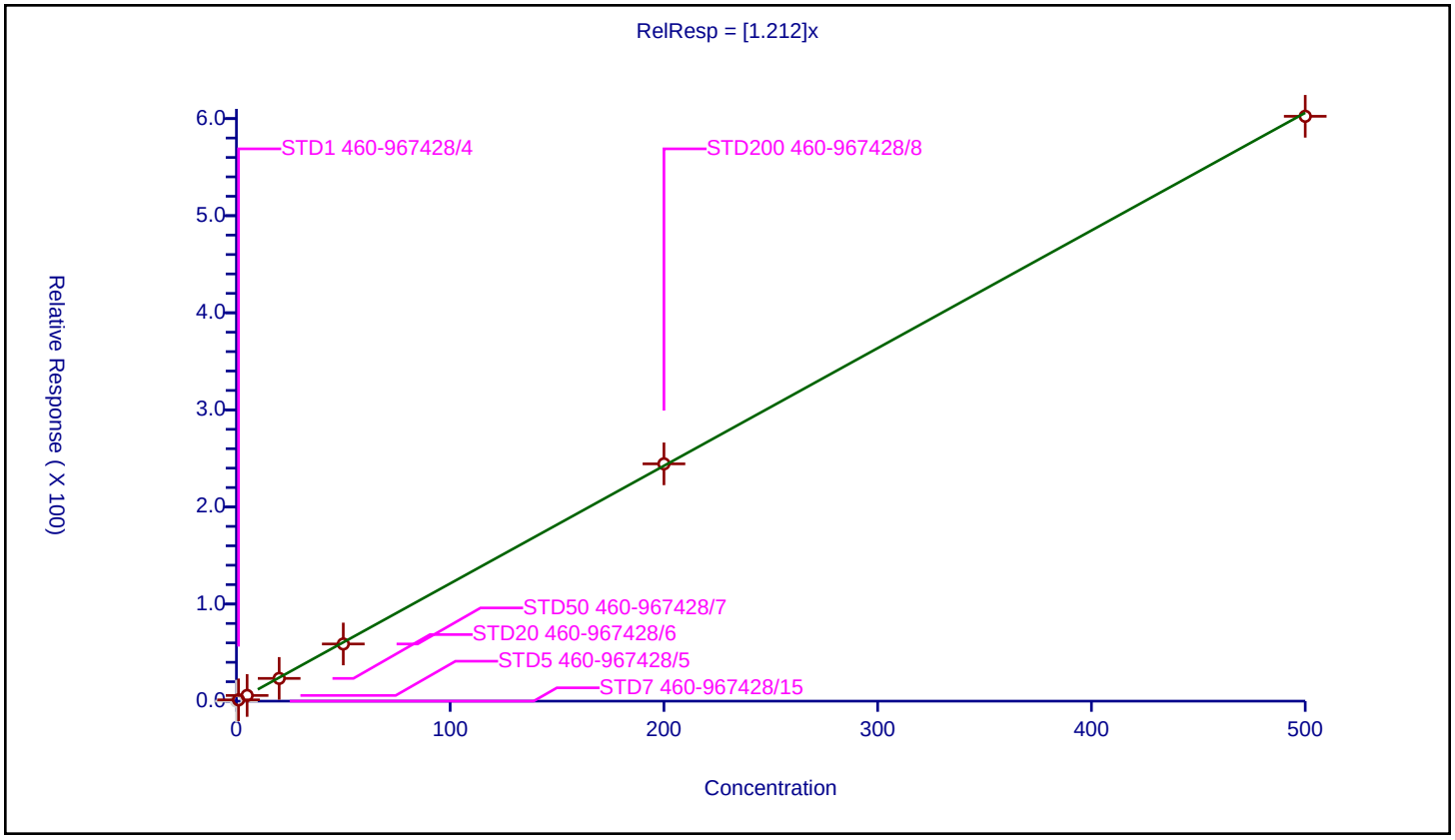
Curve Coefficients

Intercept:	0
Slope:	1.212

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	1.324629	50.0	489420.0	1.324629	Y
3	STD5 460-967428/5	5.0	5.862528	50.0	495375.0	1.172506	Y
4	STD20 460-967428/6	20.0	23.40364	50.0	489097.0	1.170182	Y
5	STD50 460-967428/7	50.0	58.876887	50.0	489265.0	1.177538	Y
6	STD200 460-967428/8	200.0	244.412727	50.0	496745.0	1.222064	Y
7	STD500 460-967428/9	500.0	602.382833	50.0	468329.0	1.204766	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

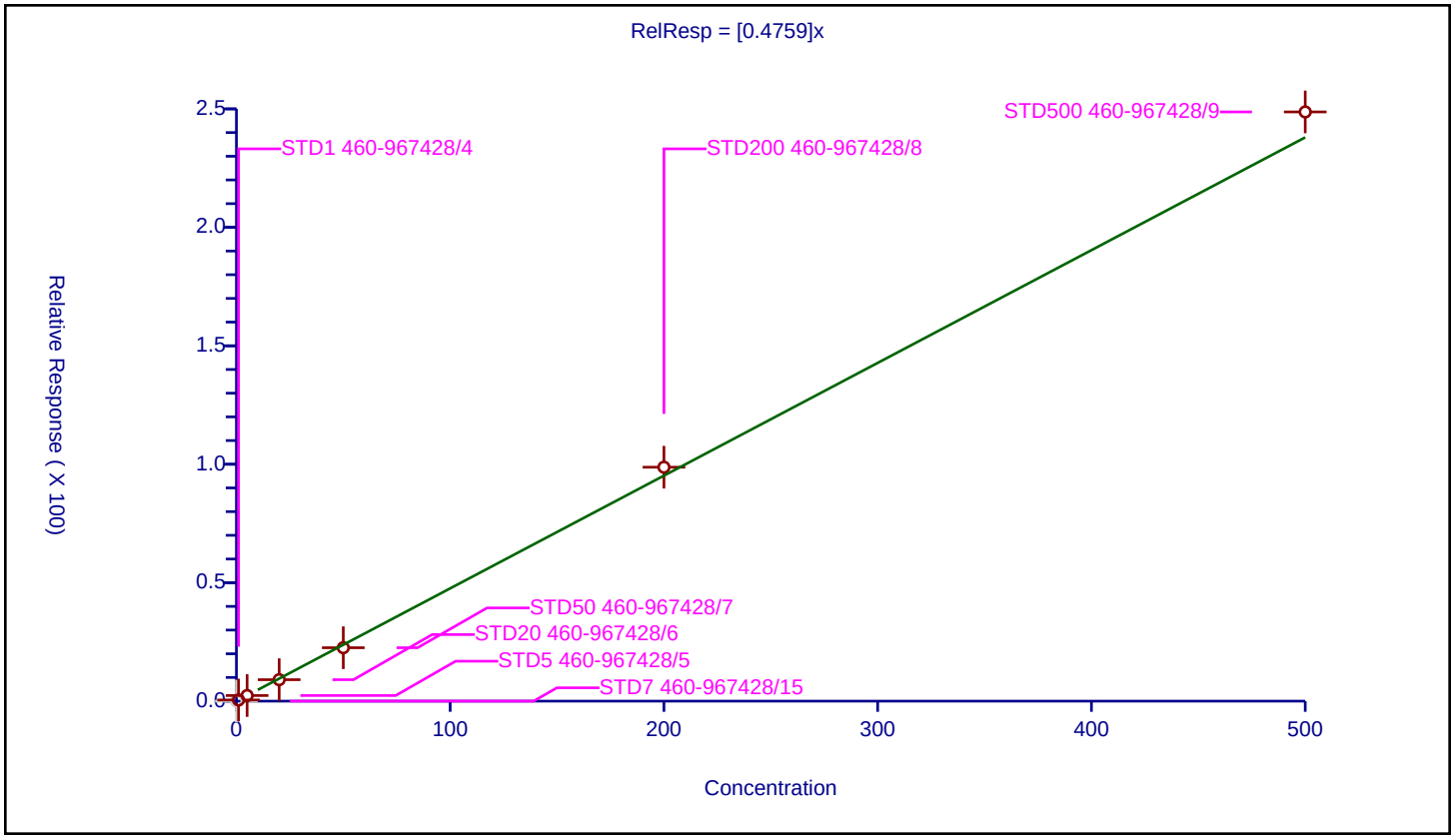
Curve Coefficients

Intercept:	0
Slope:	0.4759

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.488129	50.0	489420.0	0.488129	Y
3	STD5 460-967428/5	5.0	2.362957	50.0	495375.0	0.472591	Y
4	STD20 460-967428/6	20.0	9.052908	50.0	489097.0	0.452645	Y
5	STD50 460-967428/7	50.0	22.550969	50.0	489265.0	0.451019	Y
6	STD200 460-967428/8	200.0	98.75268	50.0	496745.0	0.493763	Y
7	STD500 460-967428/9	500.0	248.713618	50.0	468329.0	0.497427	Y



Calibration / Ethyl methacrylate

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

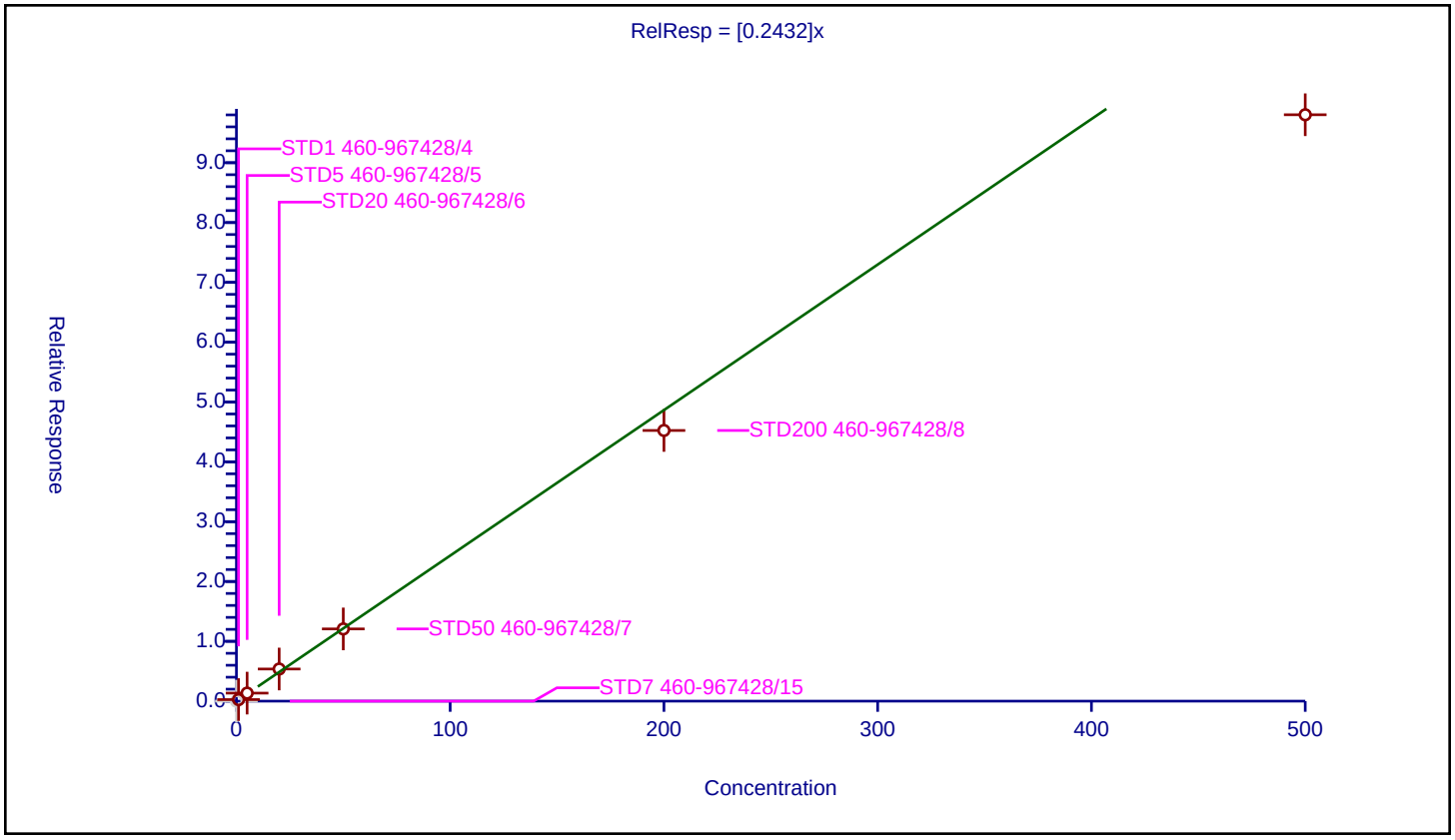
Curve Coefficients

Intercept:	0
Slope:	0.2432

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	630182.0	NaN	N
2	STD1 460-967428/4	1.0	0.25846	50.0	667222.0	0.25846	Y
3	STD5 460-967428/5	5.0	1.344103	50.0	683802.0	0.268821	Y
4	STD20 460-967428/6	20.0	5.370922	50.0	677919.0	0.268546	Y
5	STD50 460-967428/7	50.0	12.070805	50.0	695517.0	0.241416	Y
6	STD200 460-967428/8	200.0	45.242772	50.0	751982.0	0.226214	Y
7	STD500 460-967428/9	500.0	98.01856	50.0	746023.0	0.196037	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

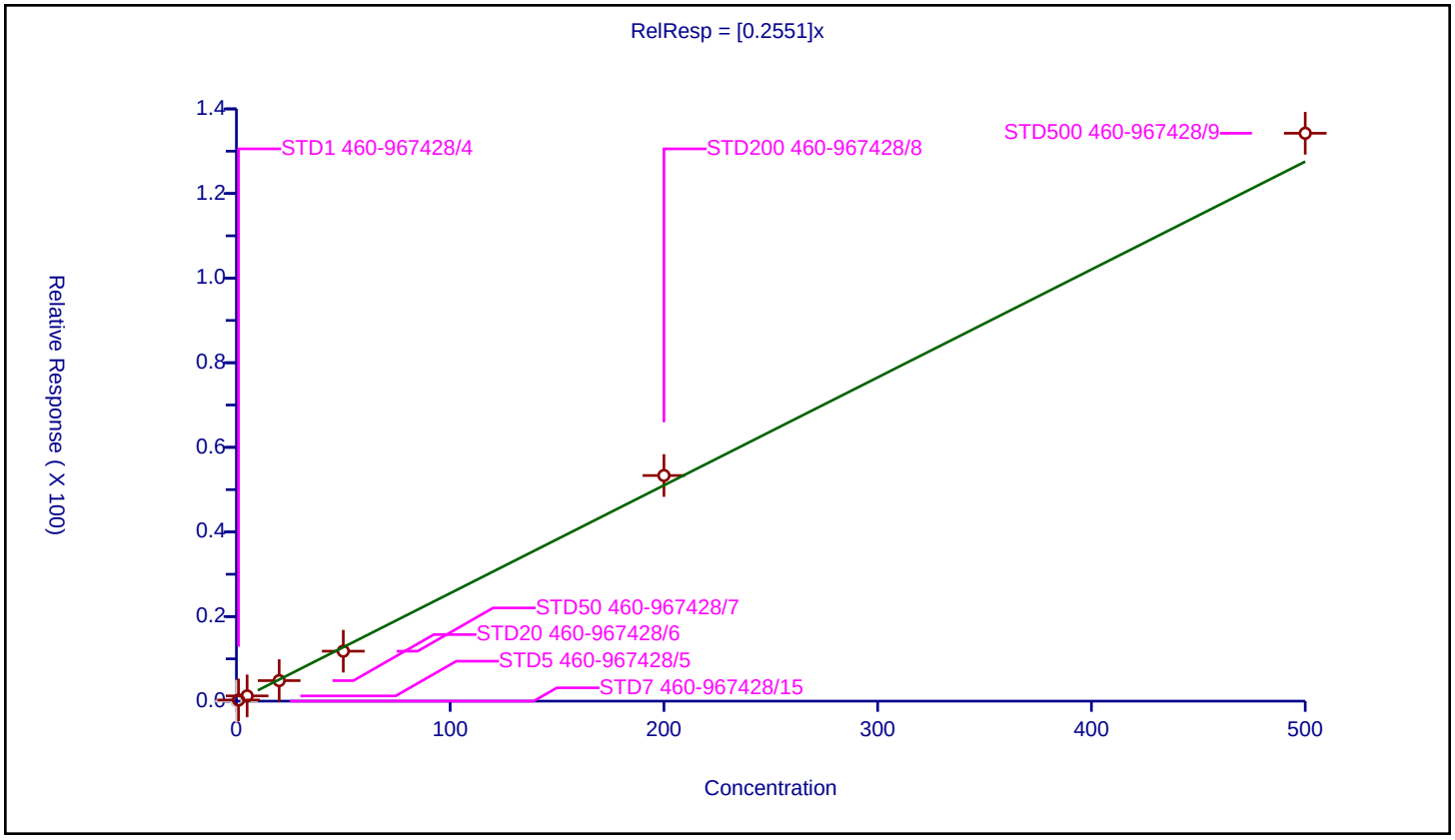
Curve Coefficients

Intercept:	0
Slope:	0.2551

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.269196	50.0	489420.0	0.269196	Y
3	STD5 460-967428/5	5.0	1.238052	50.0	495375.0	0.24761	Y
4	STD20 460-967428/6	20.0	4.847914	50.0	489097.0	0.242396	Y
5	STD50 460-967428/7	50.0	11.808427	50.0	489265.0	0.236169	Y
6	STD200 460-967428/8	200.0	53.337024	50.0	496745.0	0.266685	Y
7	STD500 460-967428/9	500.0	134.236189	50.0	468329.0	0.268472	Y



Calibration / Tetrachloroethene

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

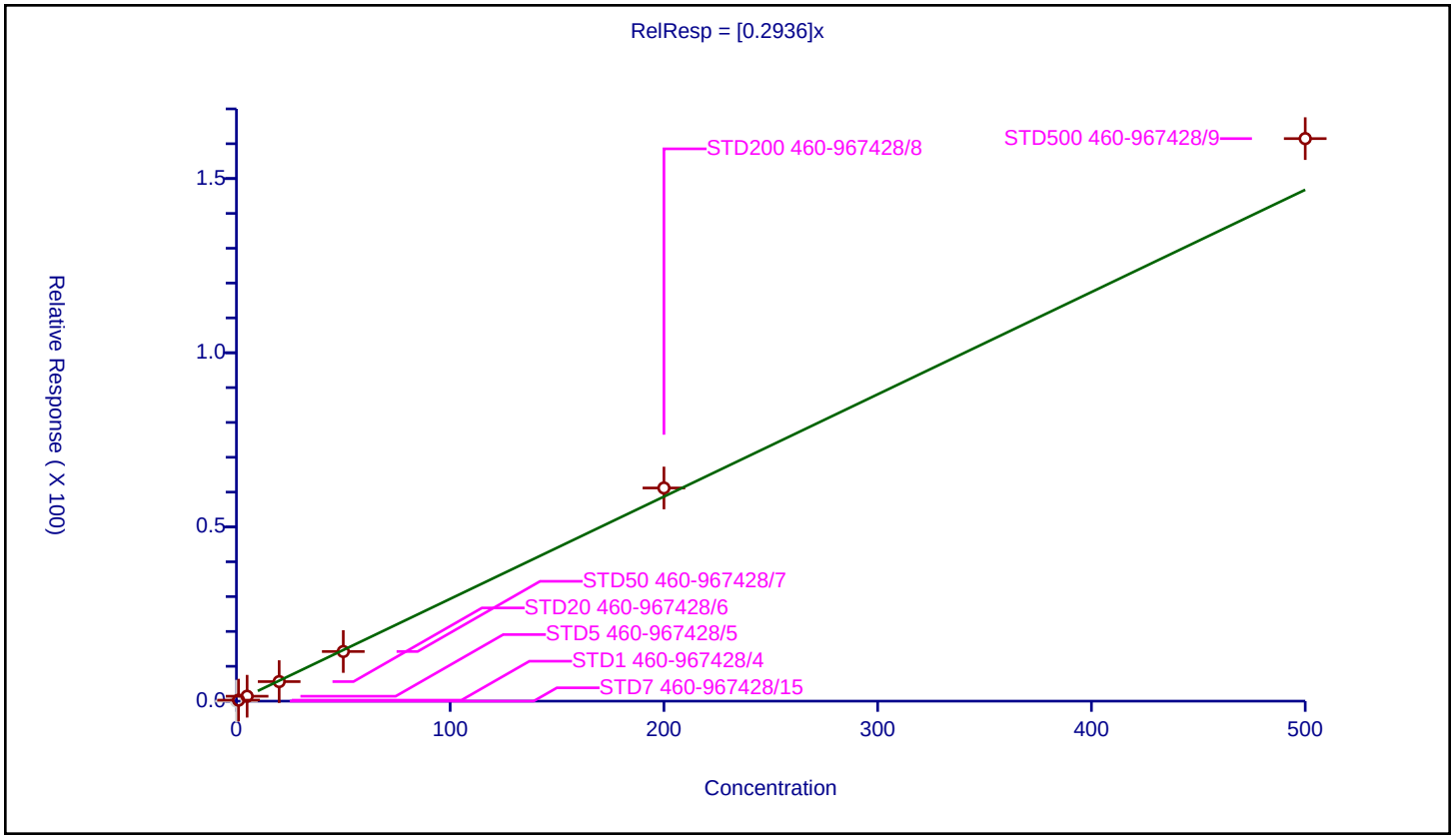
Curve Coefficients

Intercept:	0
Slope:	0.2936

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.284725	50.0	489420.0	0.284725	Y
3	STD5 460-967428/5	5.0	1.411961	50.0	495375.0	0.282392	Y
4	STD20 460-967428/6	20.0	5.610135	50.0	489097.0	0.280507	Y
5	STD50 460-967428/7	50.0	14.244121	50.0	489265.0	0.284882	Y
6	STD200 460-967428/8	200.0	61.184914	50.0	496745.0	0.305925	Y
7	STD500 460-967428/9	500.0	161.471423	50.0	468329.0	0.322943	Y



Calibration / 1,3-Dichloropropane

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

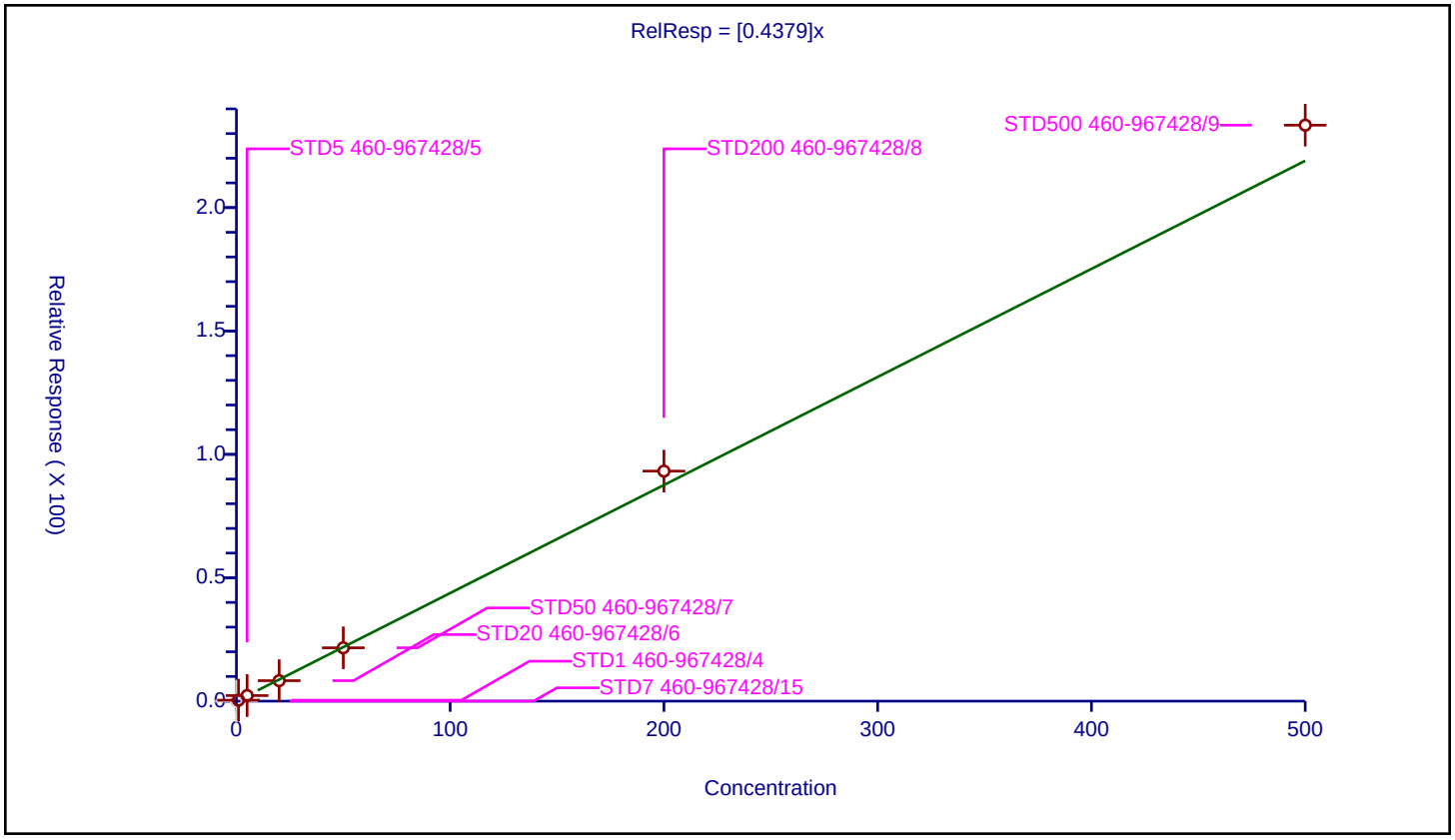
Curve Coefficients

Intercept:	0
Slope:	0.4379

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.394446	50.0	489420.0	0.394446	Y
3	STD5 460-967428/5	5.0	2.265556	50.0	495375.0	0.453111	Y
4	STD20 460-967428/6	20.0	8.298149	50.0	489097.0	0.414907	Y
5	STD50 460-967428/7	50.0	21.610375	50.0	489265.0	0.432207	Y
6	STD200 460-967428/8	200.0	93.214225	50.0	496745.0	0.466071	Y
7	STD500 460-967428/9	500.0	233.398957	50.0	468329.0	0.466798	Y



Calibration / 2-Hexanone

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

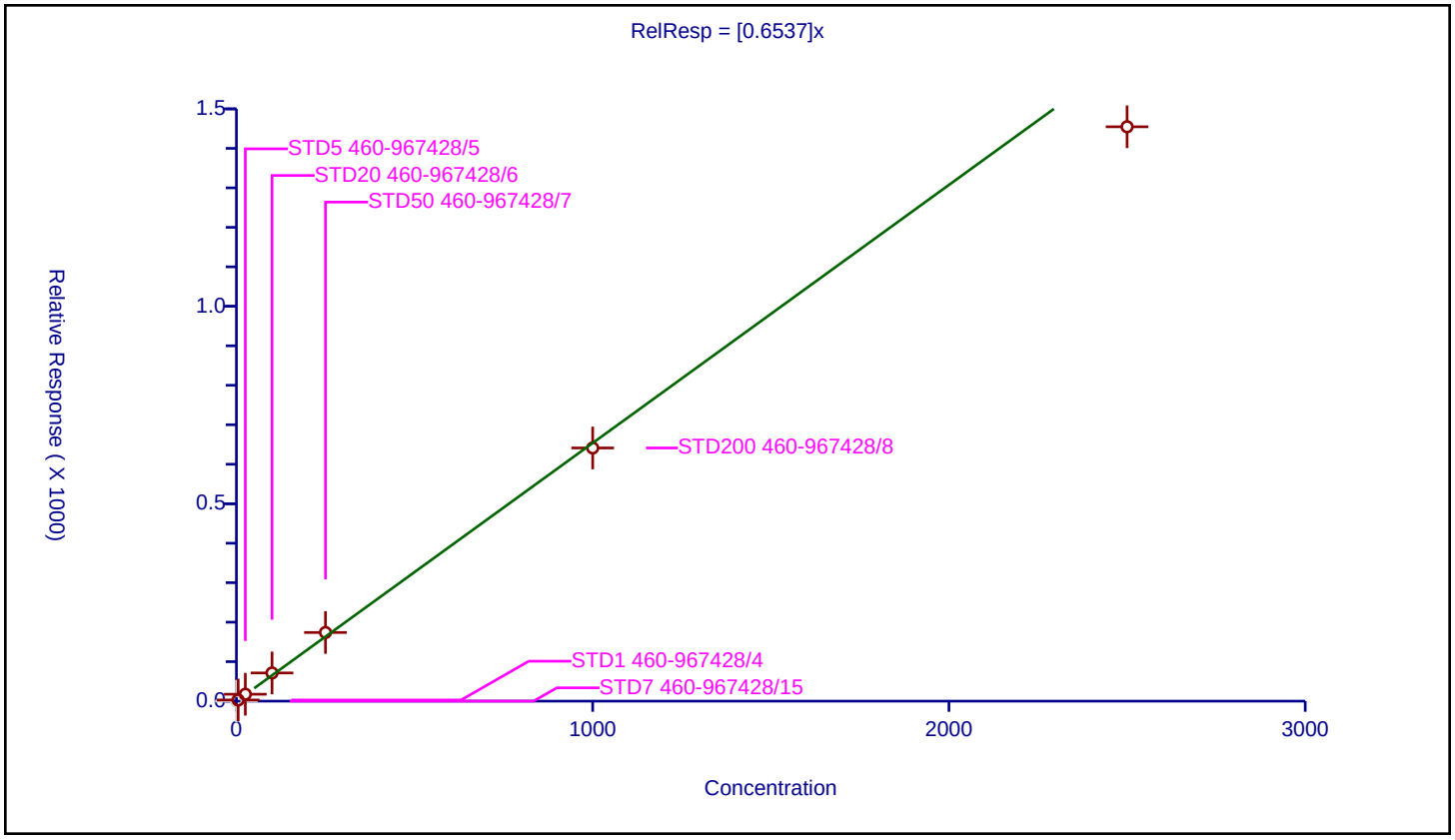
Curve Coefficients

Intercept:	0
Slope:	0.6537

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	250.0	344477.0	NaN	N
2	STD1 460-967428/4	5.0	2.941769	250.0	381998.0	0.588354	Y
3	STD5 460-967428/5	25.0	17.535739	250.0	387808.0	0.70143	Y
4	STD20 460-967428/6	100.0	71.380162	250.0	371826.0	0.713802	Y
5	STD50 460-967428/7	250.0	173.902566	250.0	348586.0	0.69561	Y
6	STD200 460-967428/8	1000.0	641.190062	250.0	371115.0	0.64119	Y
7	STD500 460-967428/9	2500.0	1454.676463	250.0	341754.0	0.581871	Y



Calibration / n-Butyl acetate

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

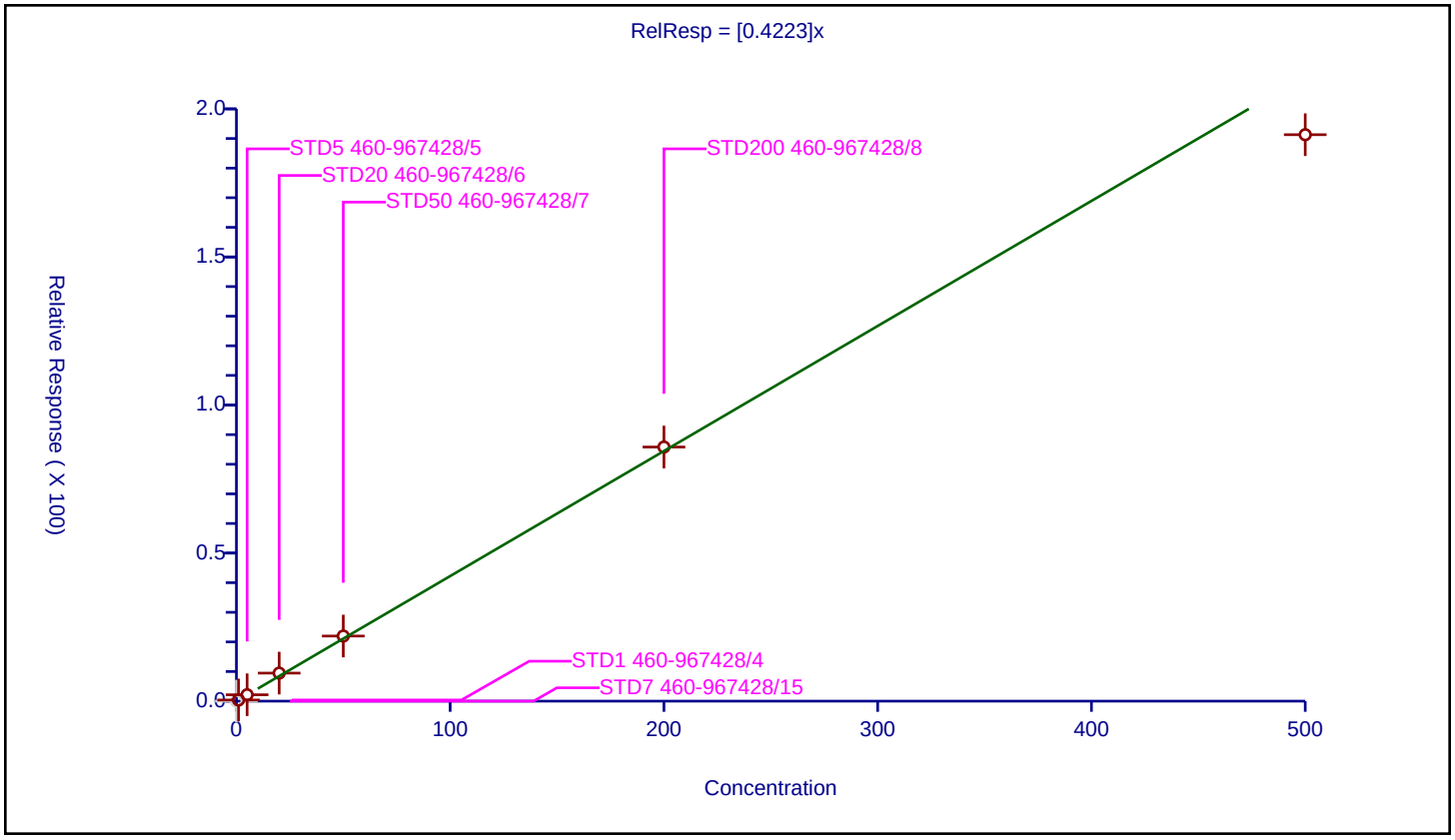
Curve Coefficients

Intercept:	0
Slope:	0.4223

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.377998	50.0	489420.0	0.377998	Y
3	STD5 460-967428/5	5.0	2.155337	50.0	495375.0	0.431067	Y
4	STD20 460-967428/6	20.0	9.465811	50.0	489097.0	0.473291	Y
5	STD50 460-967428/7	50.0	21.985938	50.0	489265.0	0.439719	Y
6	STD200 460-967428/8	200.0	85.810627	50.0	496745.0	0.429053	Y
7	STD500 460-967428/9	500.0	191.280275	50.0	468329.0	0.382561	Y



Calibration / Chlorodibromomethane

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

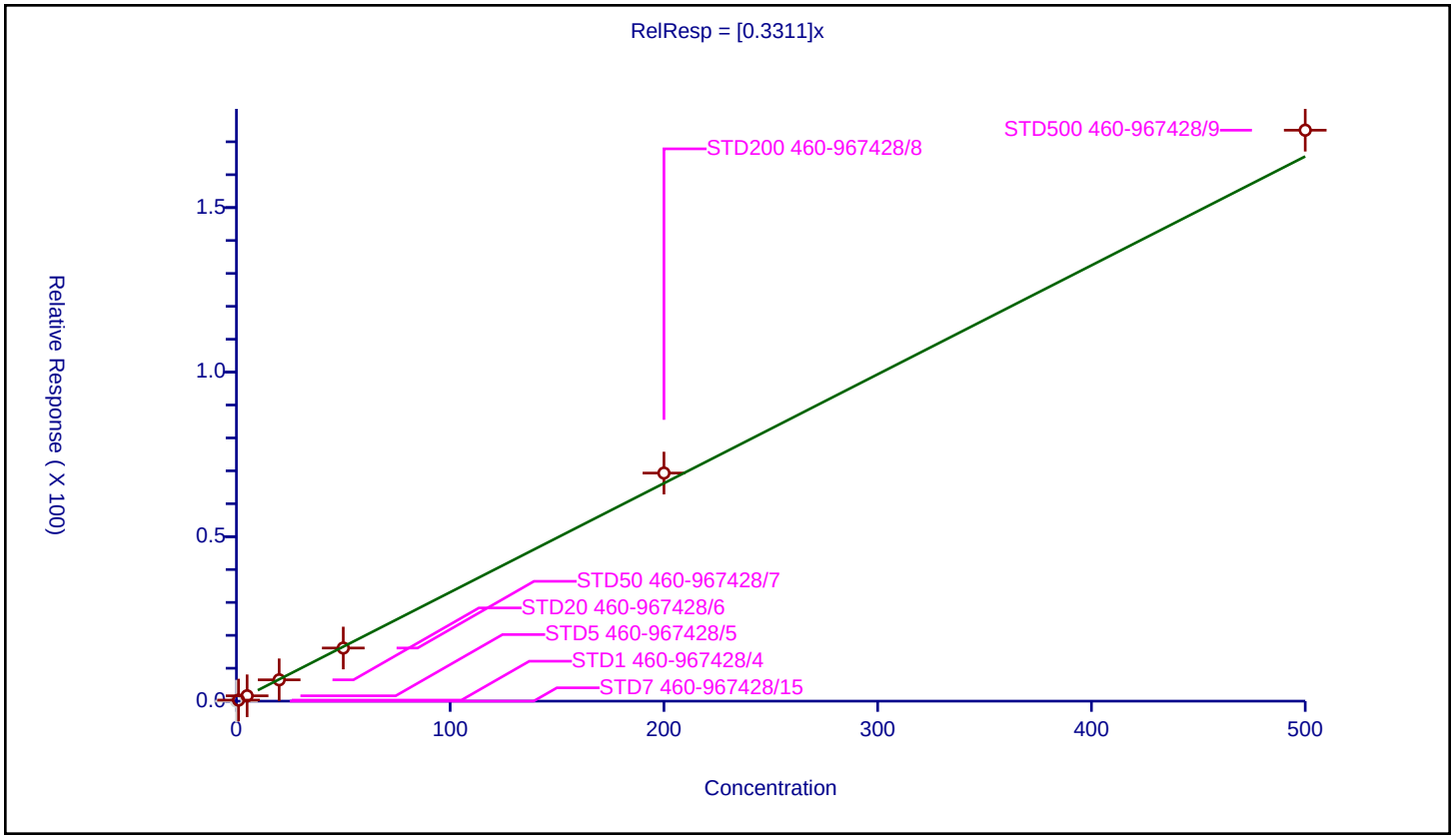
Curve Coefficients

Intercept:	0
Slope:	0.3311

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.322218	50.0	489420.0	0.322218	Y
3	STD5 460-967428/5	5.0	1.620389	50.0	495375.0	0.324078	Y
4	STD20 460-967428/6	20.0	6.476425	50.0	489097.0	0.323821	Y
5	STD50 460-967428/7	50.0	16.143705	50.0	489265.0	0.322874	Y
6	STD200 460-967428/8	200.0	69.320476	50.0	496745.0	0.346602	Y
7	STD500 460-967428/9	500.0	173.526944	50.0	468329.0	0.347054	Y



Calibration / Ethylene Dibromide

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

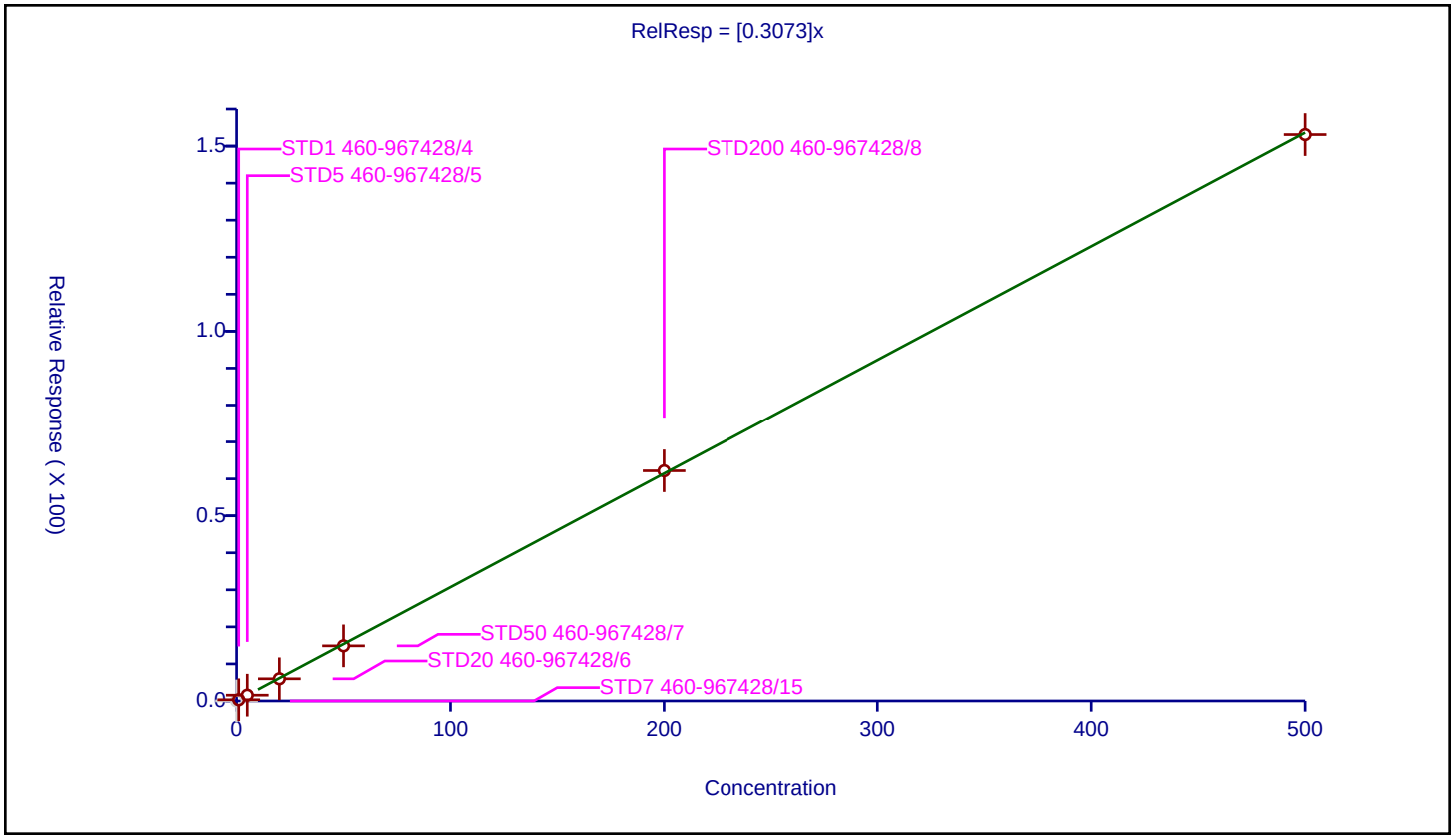
Curve Coefficients

Intercept:	0
Slope:	0.3073

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.318745	50.0	489420.0	0.318745	Y
3	STD5 460-967428/5	5.0	1.55569	50.0	495375.0	0.311138	Y
4	STD20 460-967428/6	20.0	5.984702	50.0	489097.0	0.299235	Y
5	STD50 460-967428/7	50.0	14.878951	50.0	489265.0	0.297579	Y
6	STD200 460-967428/8	200.0	62.190963	50.0	496745.0	0.310955	Y
7	STD500 460-967428/9	500.0	153.115118	50.0	468329.0	0.30623	Y



Calibration / Chlorobenzene

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

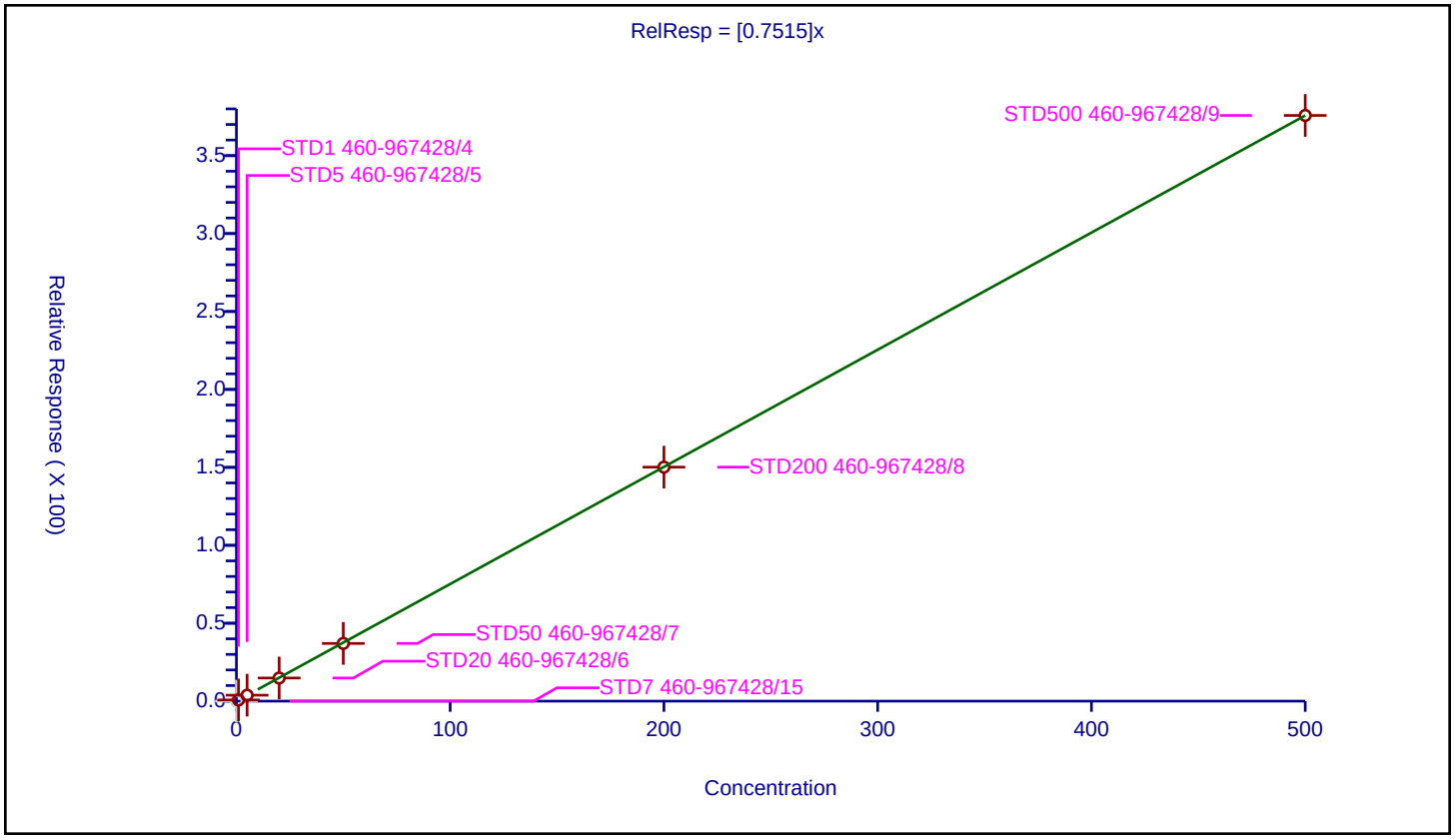
Curve Coefficients

Intercept:	0
Slope:	0.7515

Error Coefficients

Relative Standard Deviation:	1.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.759879	50.0	489420.0	0.759879	Y
3	STD5 460-967428/5	5.0	3.821247	50.0	495375.0	0.764249	Y
4	STD20 460-967428/6	20.0	14.84777	50.0	489097.0	0.742389	Y
5	STD50 460-967428/7	50.0	37.0191	50.0	489265.0	0.740382	Y
6	STD200 460-967428/8	200.0	150.135381	50.0	496745.0	0.750677	Y
7	STD500 460-967428/9	500.0	375.796822	50.0	468329.0	0.751594	Y



Calibration / Ethylbenzene

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

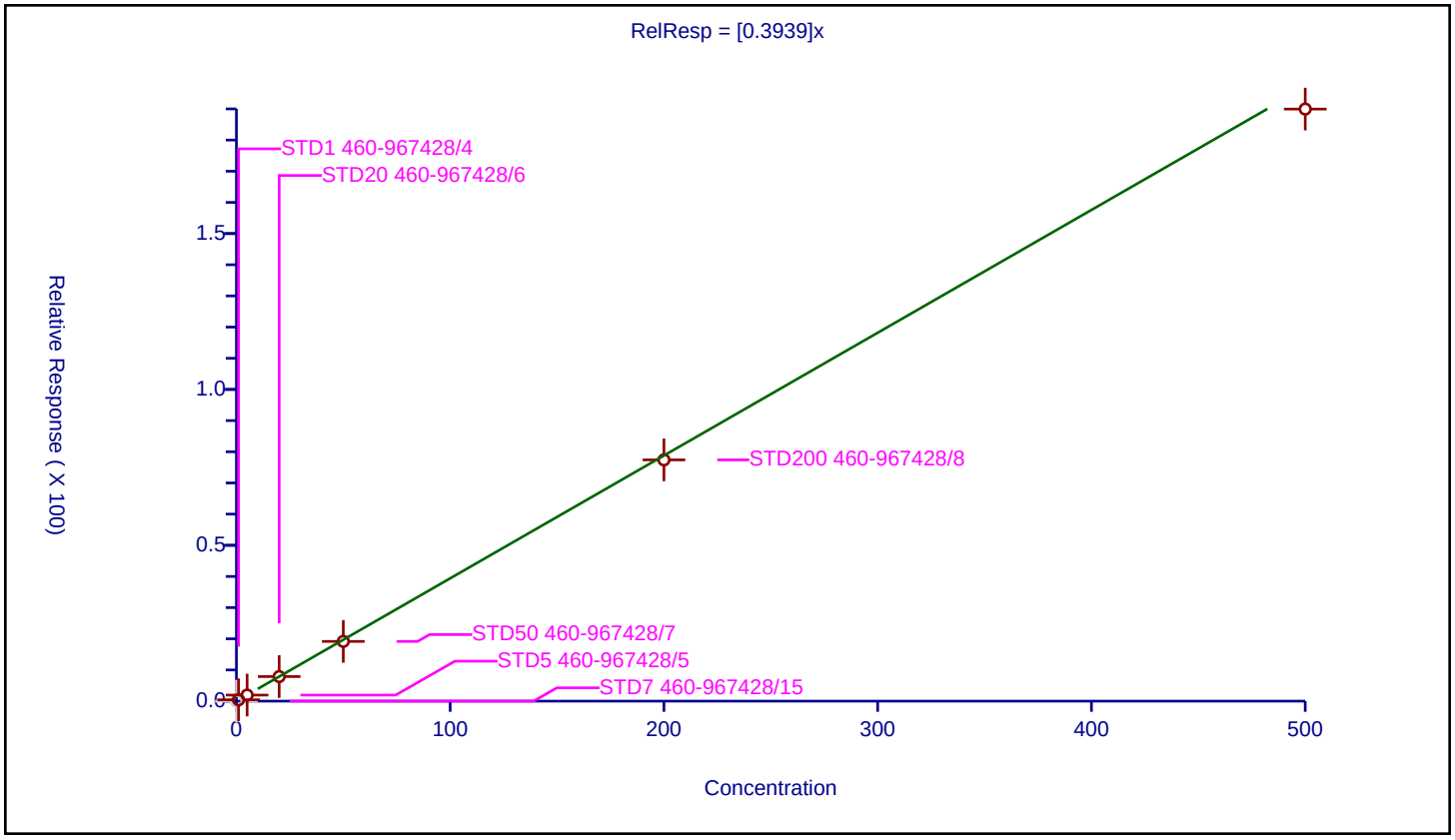
Curve Coefficients

Intercept:	0
Slope:	0.3939

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.431429	50.0	489420.0	0.431429	Y
3	STD5 460-967428/5	5.0	1.940651	50.0	495375.0	0.38813	Y
4	STD20 460-967428/6	20.0	7.879623	50.0	489097.0	0.393981	Y
5	STD50 460-967428/7	50.0	19.164461	50.0	489265.0	0.383289	Y
6	STD200 460-967428/8	200.0	77.396854	50.0	496745.0	0.386984	Y
7	STD500 460-967428/9	500.0	189.936028	50.0	468329.0	0.379872	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

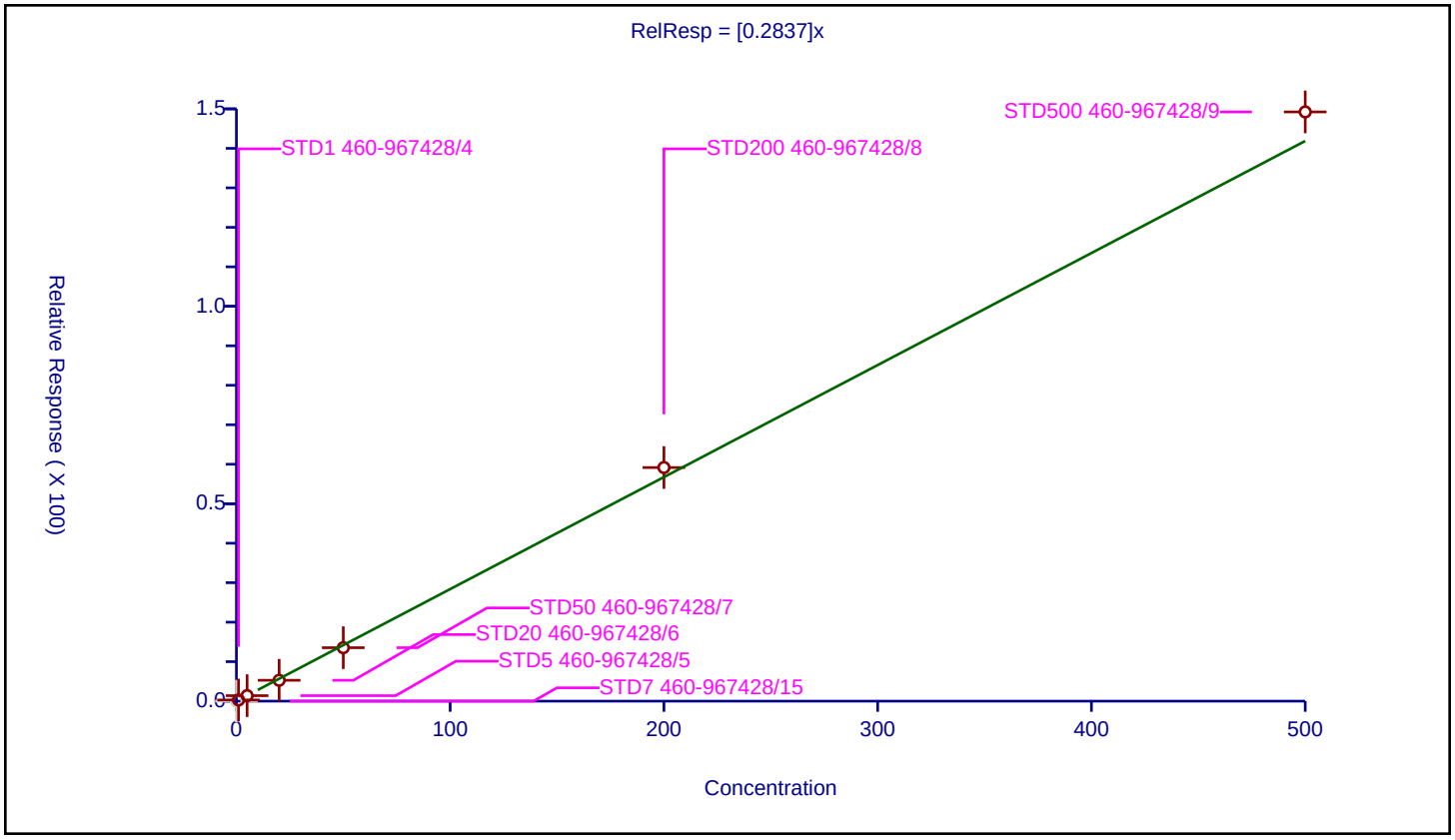
Curve Coefficients

Intercept:	0
Slope:	0.2837

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.296371	50.0	489420.0	0.296371	Y
3	STD5 460-967428/5	5.0	1.3838	50.0	495375.0	0.27676	Y
4	STD20 460-967428/6	20.0	5.28617	50.0	489097.0	0.264309	Y
5	STD50 460-967428/7	50.0	13.534996	50.0	489265.0	0.2707	Y
6	STD200 460-967428/8	200.0	59.159529	50.0	496745.0	0.295798	Y
7	STD500 460-967428/9	500.0	149.228641	50.0	468329.0	0.298457	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

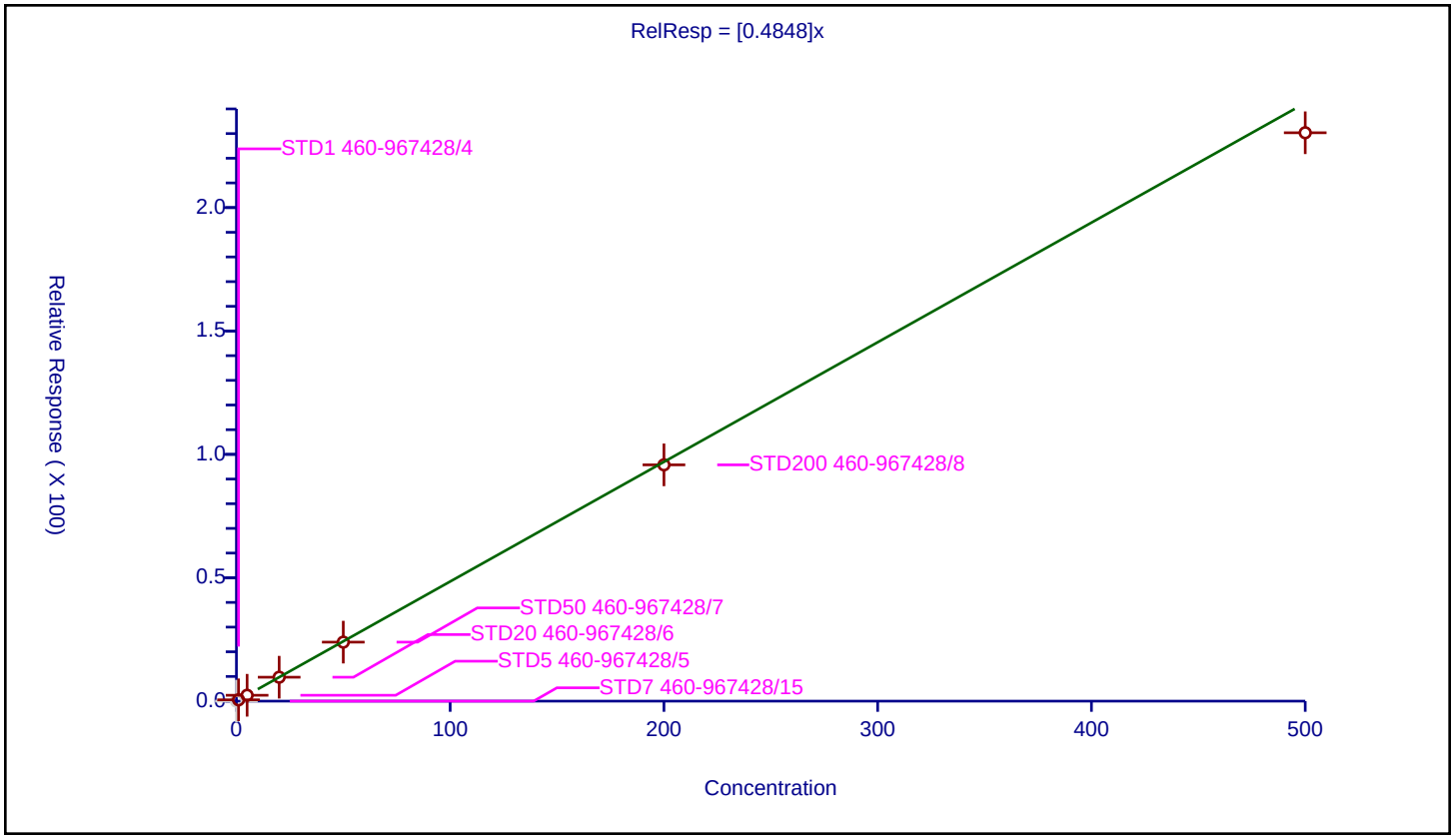
Curve Coefficients

Intercept:	0
Slope:	0.4848

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.529606	50.0	489420.0	0.529606	Y
3	STD5 460-967428/5	5.0	2.383447	50.0	495375.0	0.476689	Y
4	STD20 460-967428/6	20.0	9.694498	50.0	489097.0	0.484725	Y
5	STD50 460-967428/7	50.0	23.910662	50.0	489265.0	0.478213	Y
6	STD200 460-967428/8	200.0	95.746912	50.0	496745.0	0.478735	Y
7	STD500 460-967428/9	500.0	230.331135	50.0	468329.0	0.460662	Y



Calibration / o-Xylene

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

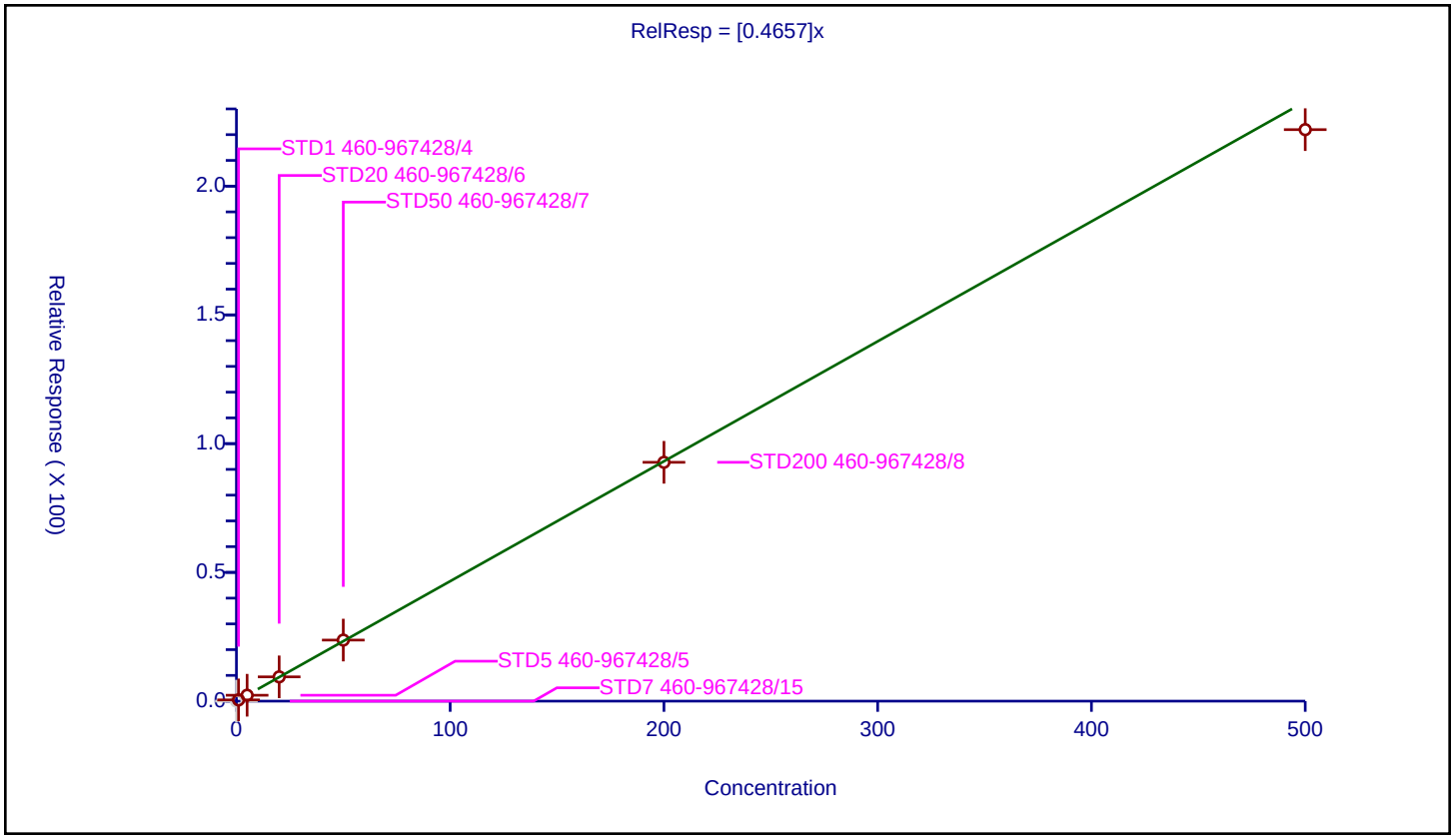
Curve Coefficients

Intercept:	0
Slope:	0.4657

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.48251	50.0	489420.0	0.48251	Y
3	STD5 460-967428/5	5.0	2.293616	50.0	495375.0	0.458723	Y
4	STD20 460-967428/6	20.0	9.426862	50.0	489097.0	0.471343	Y
5	STD50 460-967428/7	50.0	23.709237	50.0	489265.0	0.474185	Y
6	STD200 460-967428/8	200.0	92.750908	50.0	496745.0	0.463755	Y
7	STD500 460-967428/9	500.0	221.943014	50.0	468329.0	0.443886	Y



Calibration / n-Butyl acrylate

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

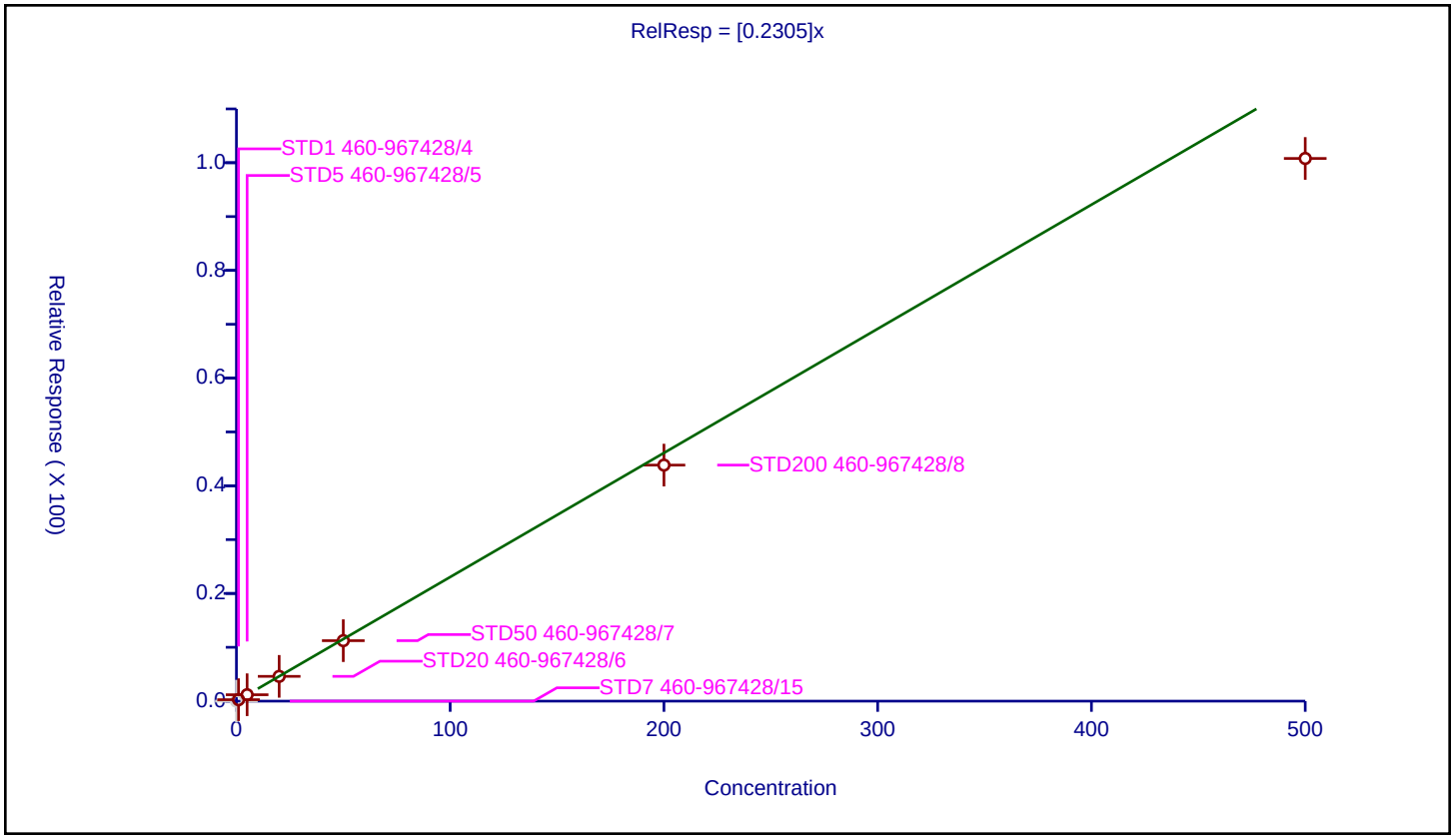
Curve Coefficients

Intercept:	0
Slope:	0.2305

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.269401	50.0	489420.0	0.269401	Y
3	STD5 460-967428/5	5.0	1.19132	50.0	495375.0	0.238264	Y
4	STD20 460-967428/6	20.0	4.601337	50.0	489097.0	0.230067	Y
5	STD50 460-967428/7	50.0	11.229804	50.0	489265.0	0.224596	Y
6	STD200 460-967428/8	200.0	43.842213	50.0	496745.0	0.219211	Y
7	STD500 460-967428/9	500.0	100.793032	50.0	468329.0	0.201586	Y



Calibration / Styrene

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

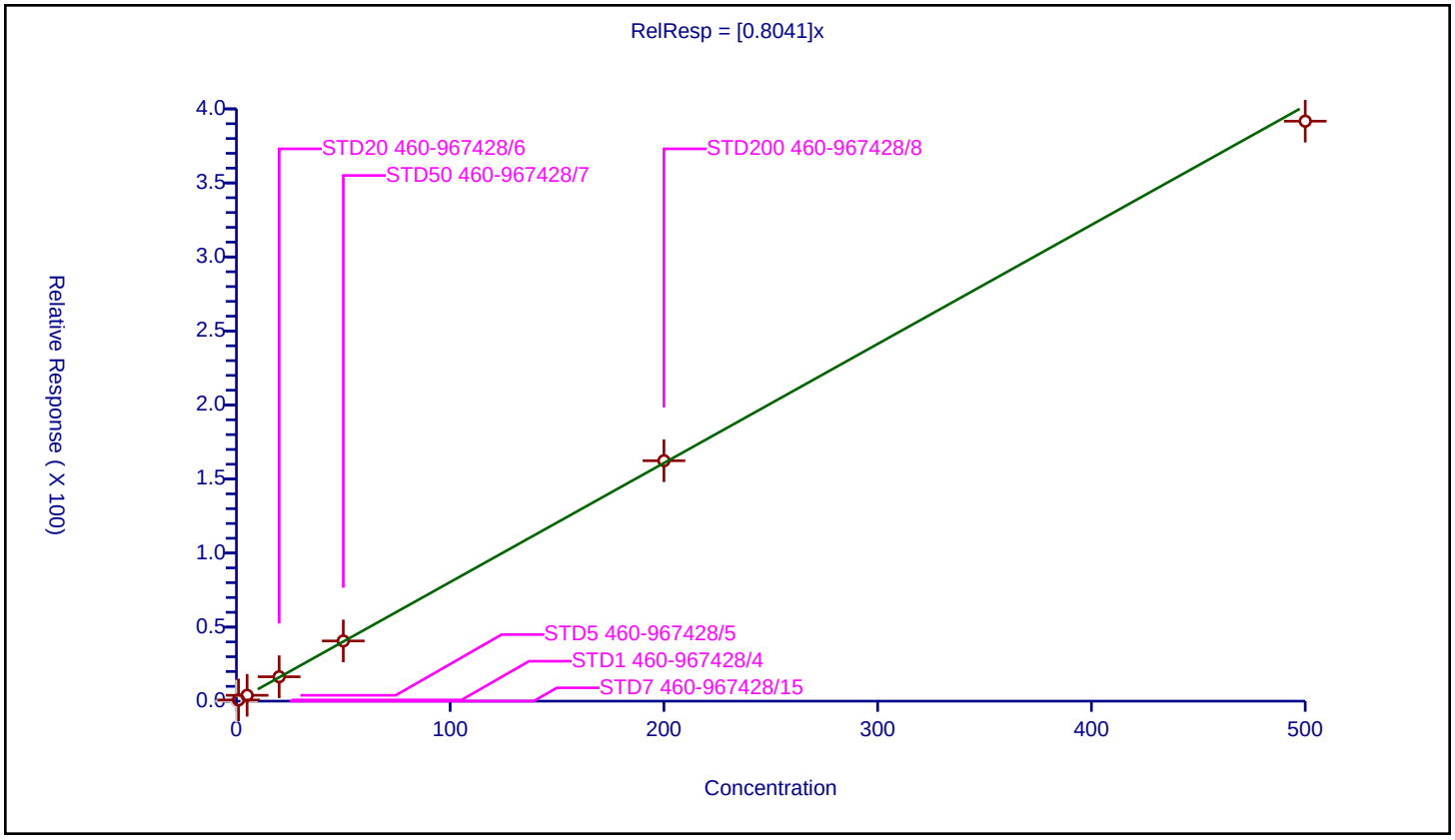
Curve Coefficients

Intercept:	0
Slope:	0.8041

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.802276	50.0	489420.0	0.802276	Y
3	STD5 460-967428/5	5.0	3.951855	50.0	495375.0	0.790371	Y
4	STD20 460-967428/6	20.0	16.47618	50.0	489097.0	0.823809	Y
5	STD50 460-967428/7	50.0	40.652612	50.0	489265.0	0.813052	Y
6	STD200 460-967428/8	200.0	162.39328	50.0	496745.0	0.811966	Y
7	STD500 460-967428/9	500.0	391.711062	50.0	468329.0	0.783422	Y



Calibration / Bromoform

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

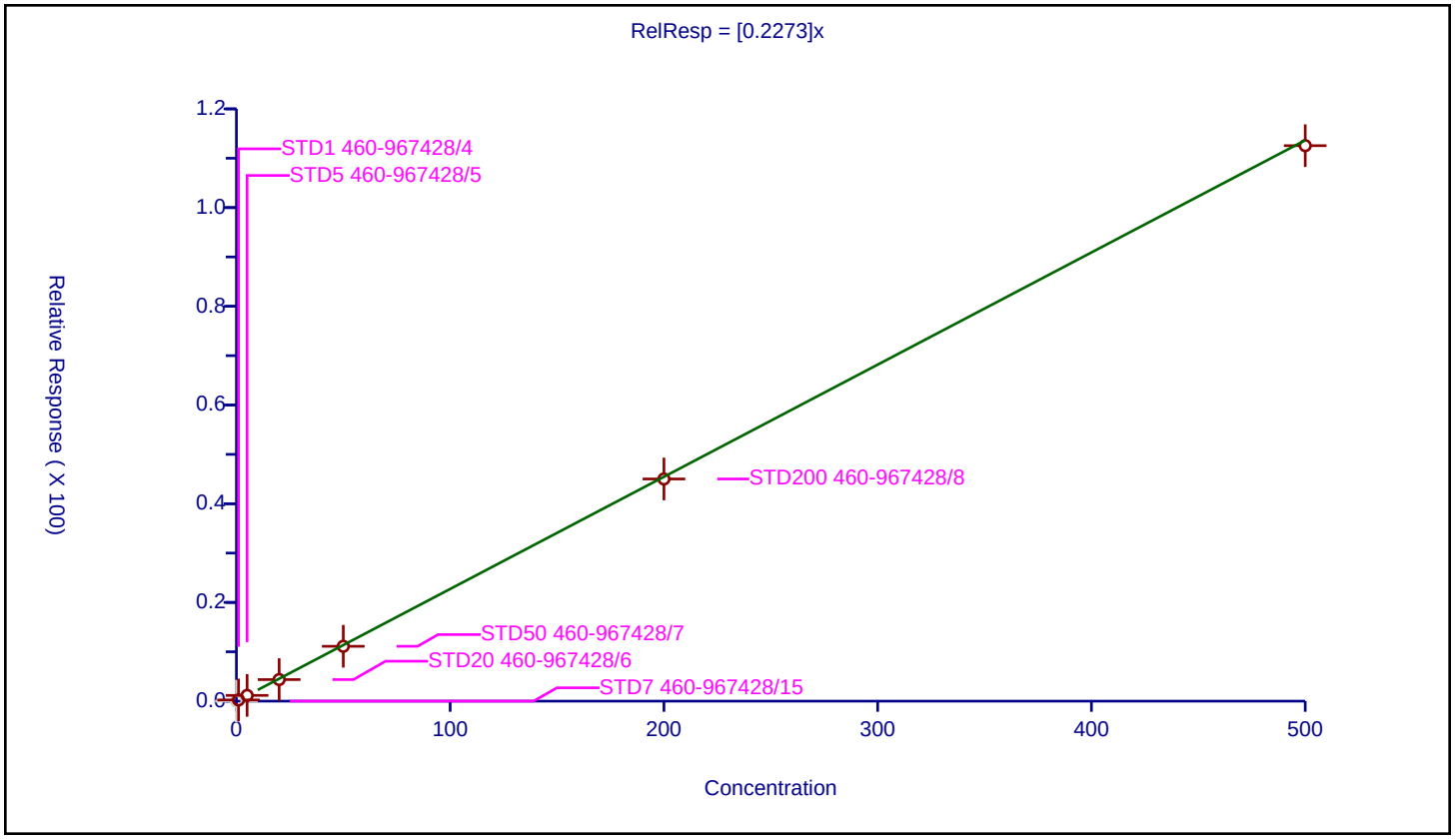
Curve Coefficients

Intercept:	0
Slope:	0.2273

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	0.240591	50.0	489420.0	0.240591	Y
3	STD5 460-967428/5	5.0	1.160737	50.0	495375.0	0.232147	Y
4	STD20 460-967428/6	20.0	4.370401	50.0	489097.0	0.21852	Y
5	STD50 460-967428/7	50.0	11.112689	50.0	489265.0	0.222254	Y
6	STD200 460-967428/8	200.0	45.014947	50.0	496745.0	0.225075	Y
7	STD500 460-967428/9	500.0	112.547162	50.0	468329.0	0.225094	Y



Calibration / Amyl acetate (mixed isomers)

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

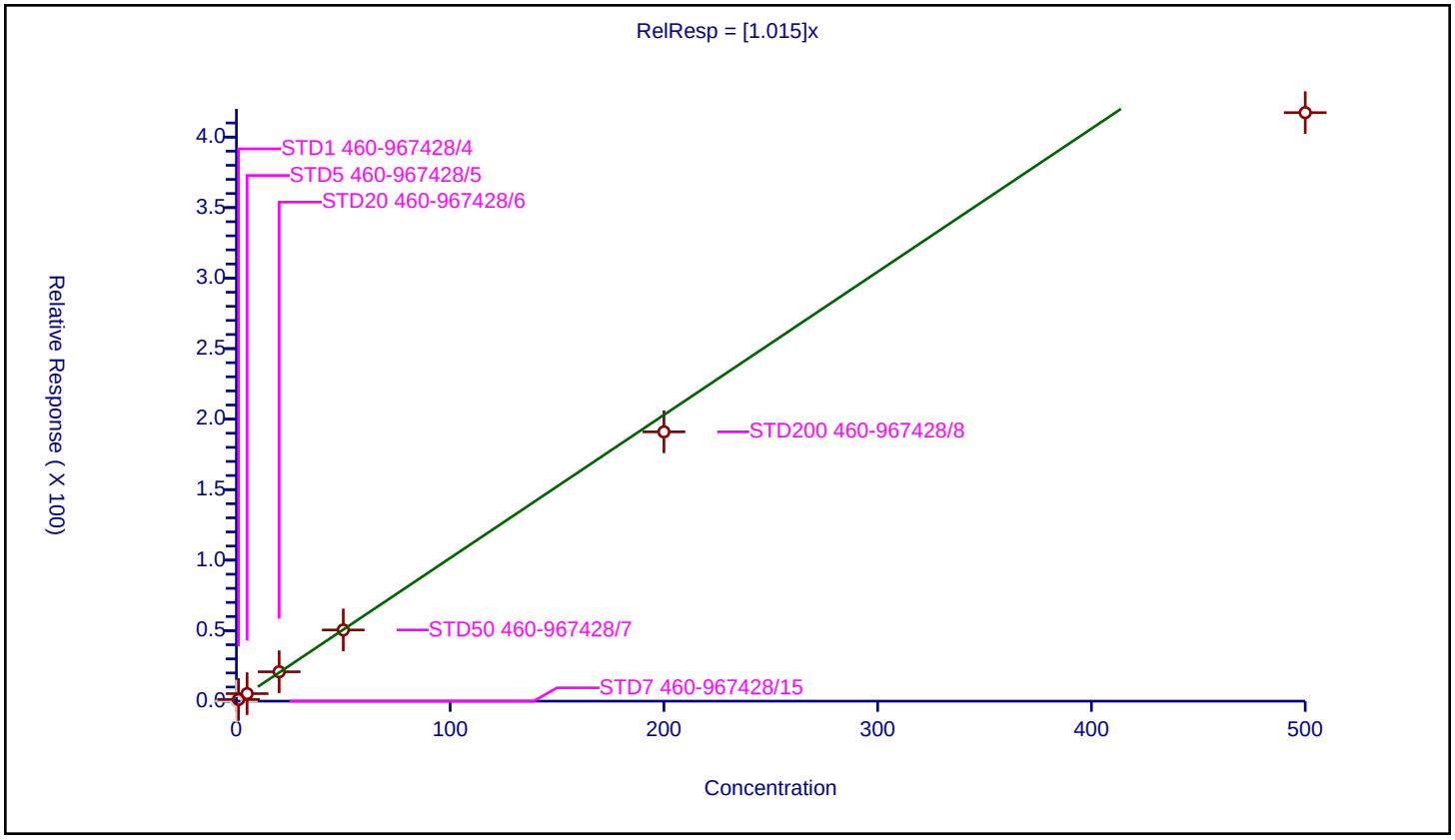
Curve Coefficients

Intercept:	0
Slope:	1.015

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.185103	50.0	248164.0	1.185103	Y
3	STD5 460-967428/5	5.0	5.32036	50.0	251186.0	1.064072	Y
4	STD20 460-967428/6	20.0	20.82468	50.0	253747.0	1.041234	Y
5	STD50 460-967428/7	50.0	50.483016	50.0	255064.0	1.00966	Y
6	STD200 460-967428/8	200.0	190.984611	50.0	253694.0	0.954923	Y
7	STD500 460-967428/9	500.0	417.338398	50.0	254963.0	0.834677	Y



Calibration / Isopropylbenzene

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

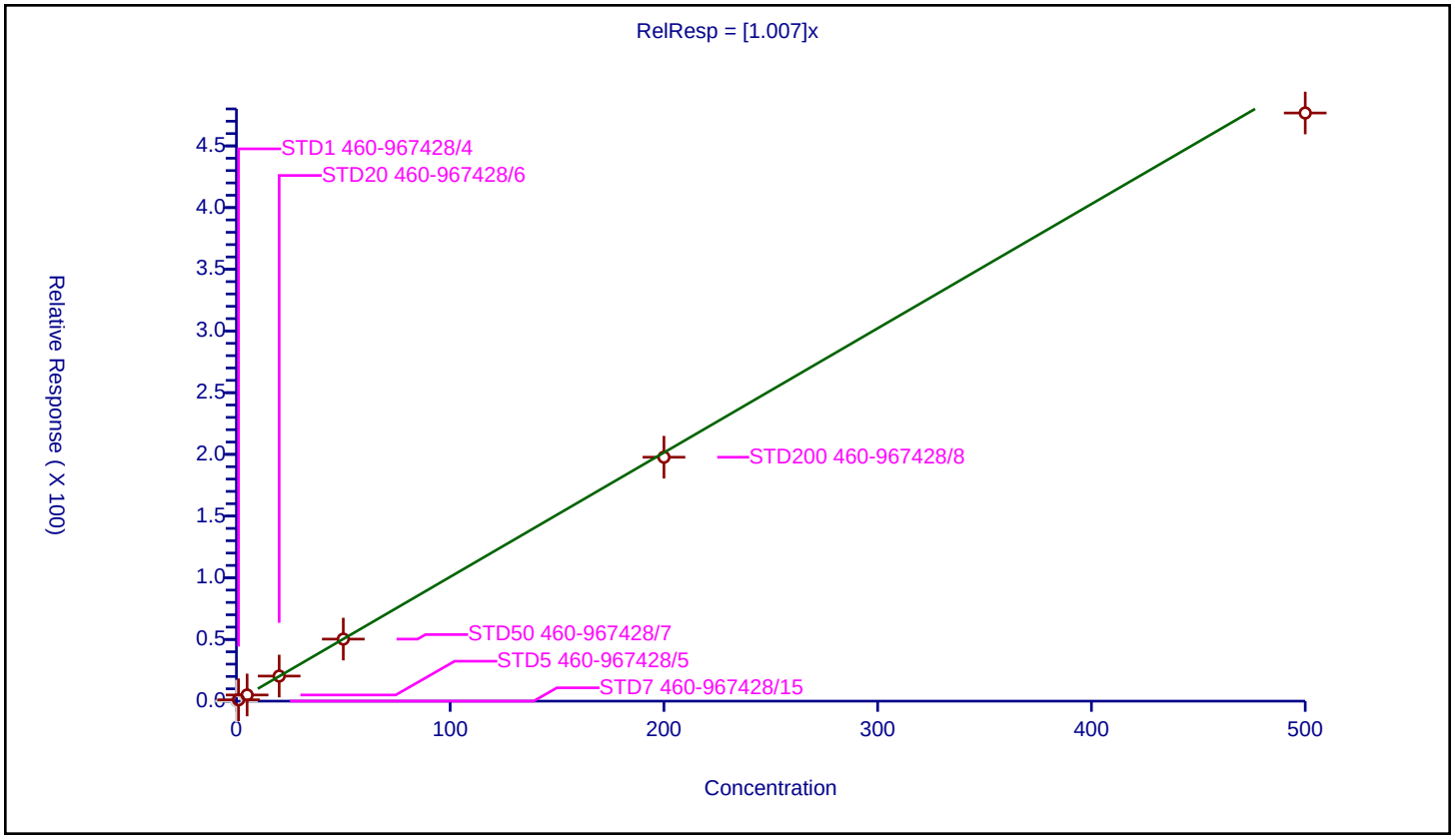
Curve Coefficients

Intercept:	0
Slope:	1.007

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	491610.0	NaN	N
2	STD1 460-967428/4	1.0	1.080973	50.0	489420.0	1.080973	Y
3	STD5 460-967428/5	5.0	4.994095	50.0	495375.0	0.998819	Y
4	STD20 460-967428/6	20.0	20.318976	50.0	489097.0	1.015949	Y
5	STD50 460-967428/7	50.0	50.287983	50.0	489265.0	1.00576	Y
6	STD200 460-967428/8	200.0	197.692579	50.0	496745.0	0.988463	Y
7	STD500 460-967428/9	500.0	476.672168	50.0	468329.0	0.953344	Y



Calibration / 4-Bromofluorobenzene

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

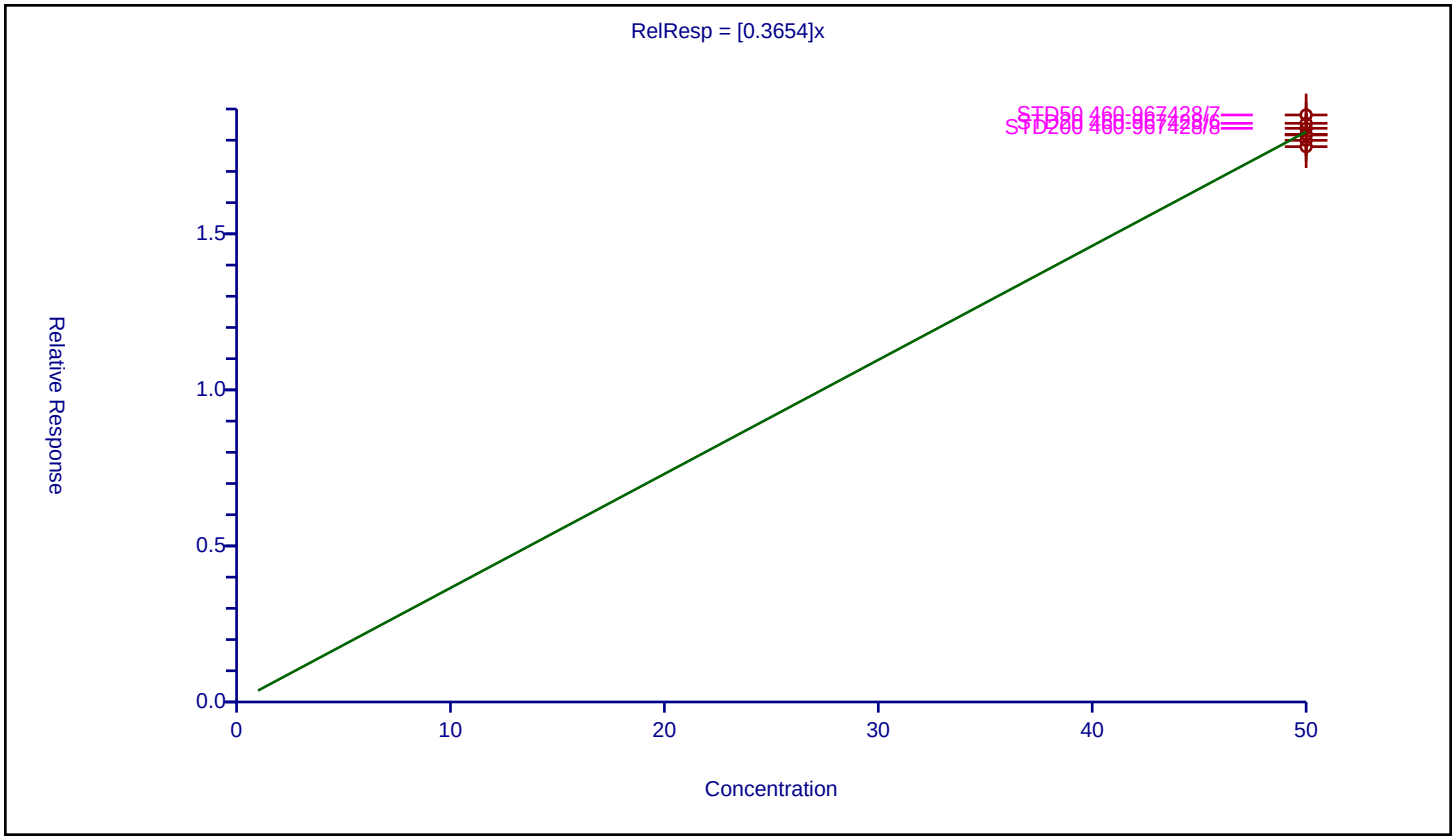
Curve Coefficients

Intercept:	0
Slope:	0.3654

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-967428/4	50.0	18.168751	50.0	489420.0	0.363375	Y
2	STD5 460-967428/5	50.0	18.188039	50.0	495375.0	0.363761	Y
3	STD20 460-967428/6	50.0	18.541925	50.0	489097.0	0.370839	Y
4	STD50 460-967428/7	50.0	18.809336	50.0	489265.0	0.376187	Y
5	STD200 460-967428/8	50.0	18.381564	50.0	496745.0	0.367631	Y
6	STD500 460-967428/9	50.0	17.794115	50.0	468329.0	0.355882	Y
7	STD7 460-967428/15	50.0	17.996379	50.0	491610.0	0.359928	Y



Calibration / Bromobenzene

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

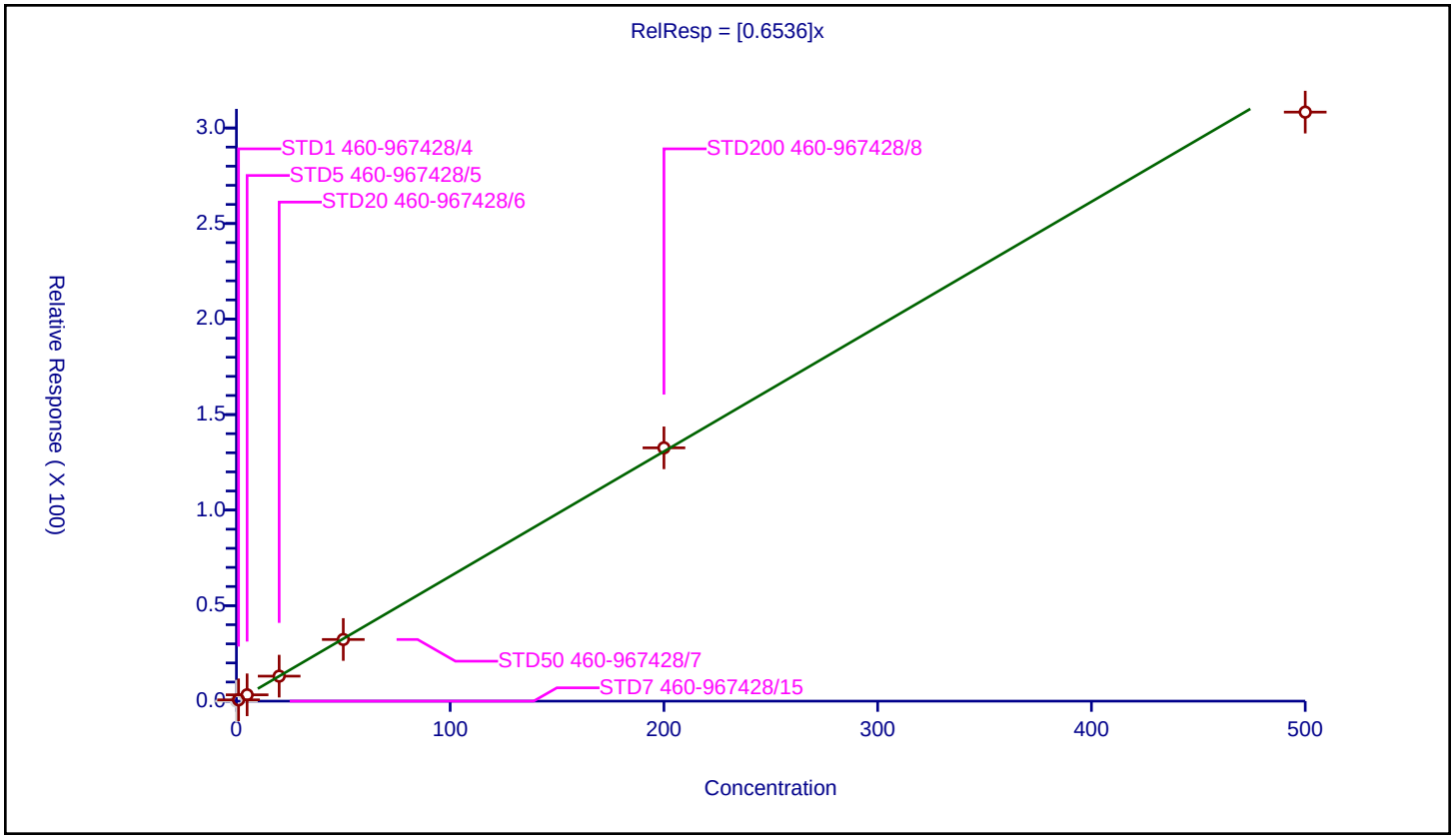
Curve Coefficients

Intercept:	0
Slope:	0.6536

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.678584	50.0	248164.0	0.678584	Y
3	STD5 460-967428/5	5.0	3.317661	50.0	251186.0	0.663532	Y
4	STD20 460-967428/6	20.0	13.088234	50.0	253747.0	0.654412	Y
5	STD50 460-967428/7	50.0	32.263471	50.0	255064.0	0.645269	Y
6	STD200 460-967428/8	200.0	132.580195	50.0	253694.0	0.662901	Y
7	STD500 460-967428/9	500.0	308.310618	50.0	254963.0	0.616621	Y



Calibration / 1,1,2,2-Tetrachloroethane

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

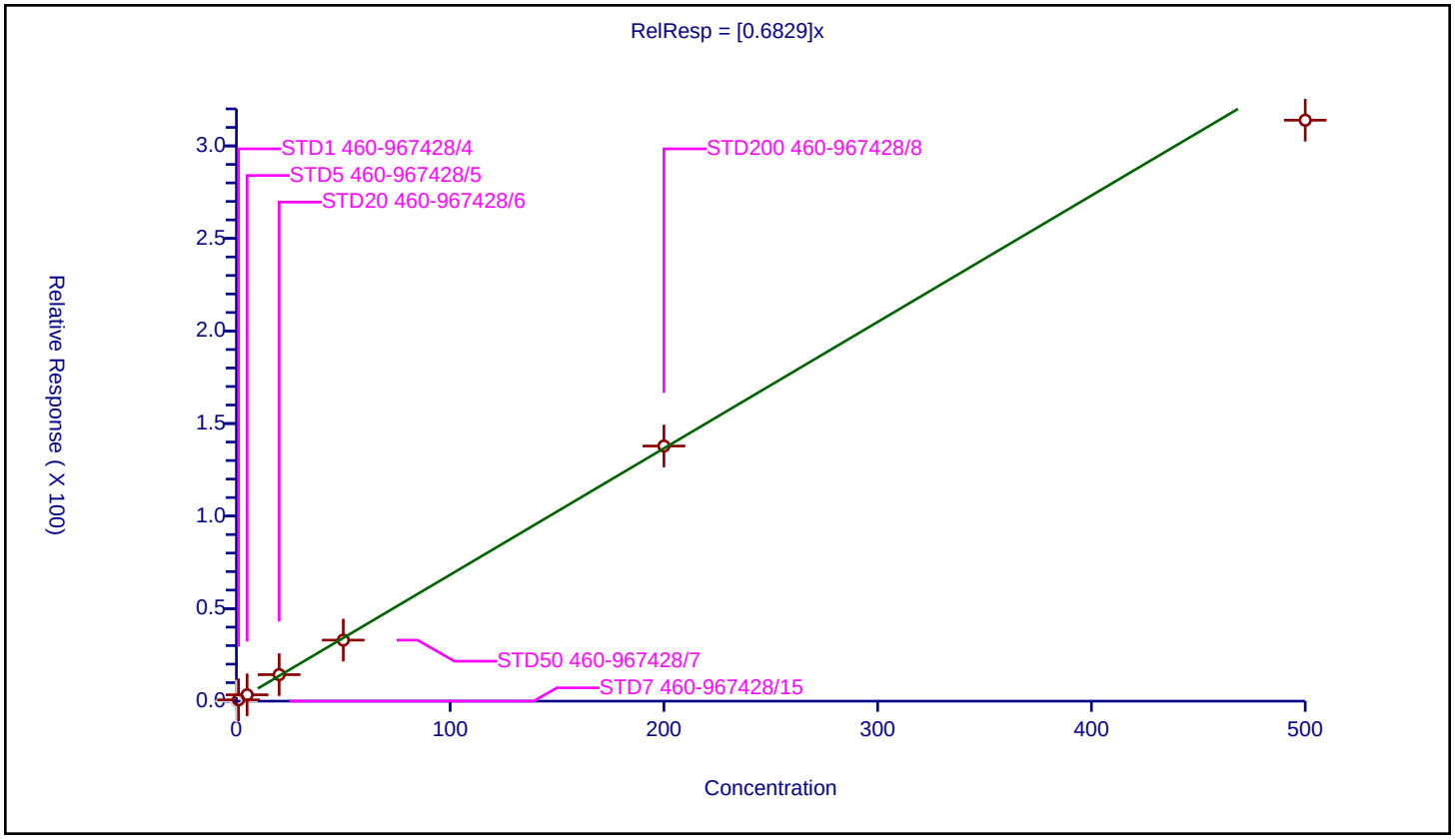
Curve Coefficients

Intercept:	0
Slope:	0.6829

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.718678	50.0	248164.0	0.718678	Y
3	STD5 460-967428/5	5.0	3.433312	50.0	251186.0	0.686662	Y
4	STD20 460-967428/6	20.0	14.318593	50.0	253747.0	0.71593	Y
5	STD50 460-967428/7	50.0	32.973489	50.0	255064.0	0.65947	Y
6	STD200 460-967428/8	200.0	137.836725	50.0	253694.0	0.689184	Y
7	STD500 460-967428/9	500.0	313.888094	50.0	254963.0	0.627776	Y



Calibration / N-Propylbenzene

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

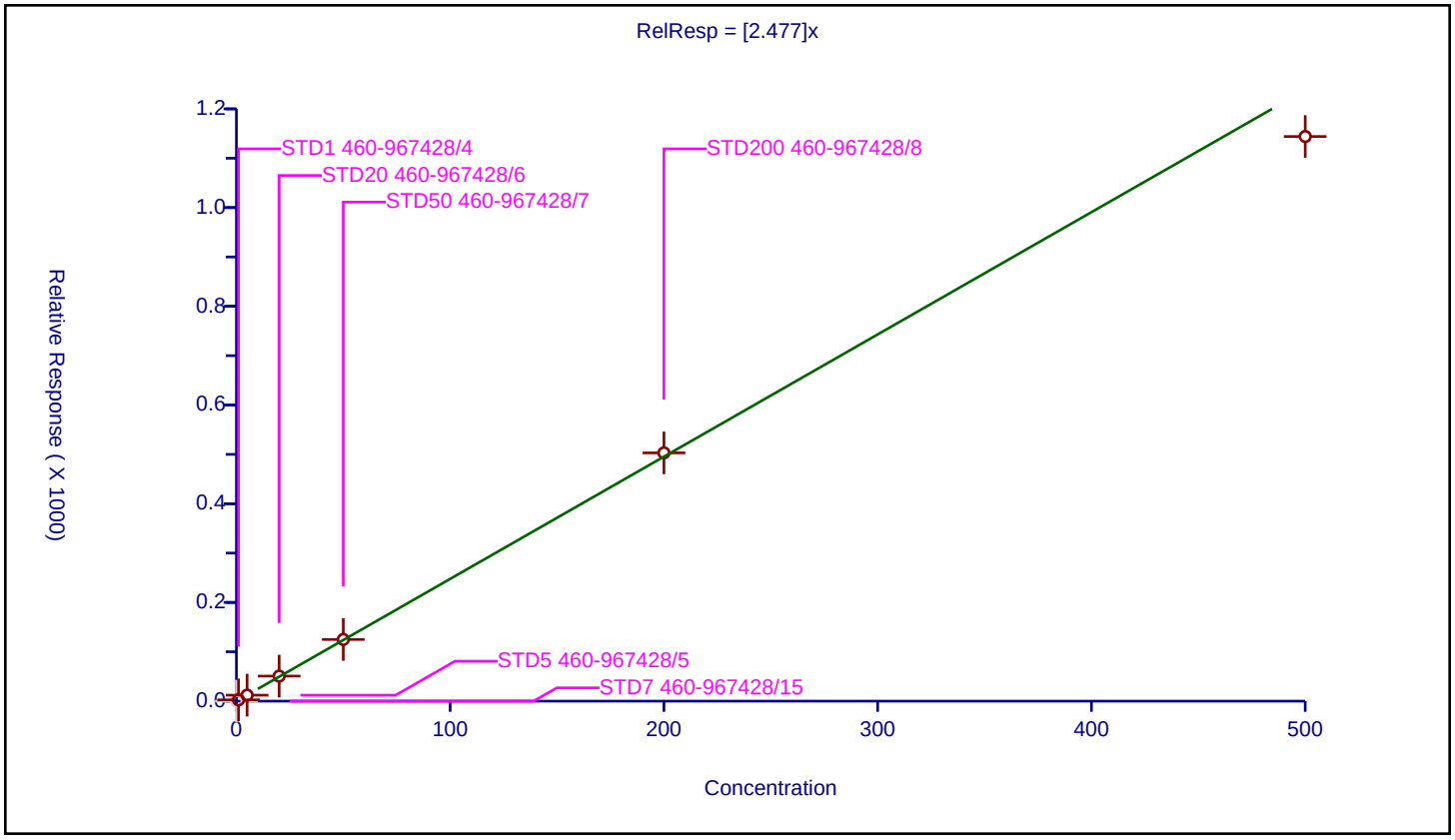
Curve Coefficients

Intercept:	0
Slope:	2.477

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	2.597476	50.0	248164.0	2.597476	Y
3	STD5 460-967428/5	5.0	12.1205	50.0	251186.0	2.4241	Y
4	STD20 460-967428/6	20.0	50.735772	50.0	253747.0	2.536789	Y
5	STD50 460-967428/7	50.0	124.940211	50.0	255064.0	2.498804	Y
6	STD200 460-967428/8	200.0	503.058212	50.0	253694.0	2.515291	Y
7	STD500 460-967428/9	500.0	1144.027761	50.0	254963.0	2.288056	Y



Calibration / 1,2,3-Trichloropropane

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

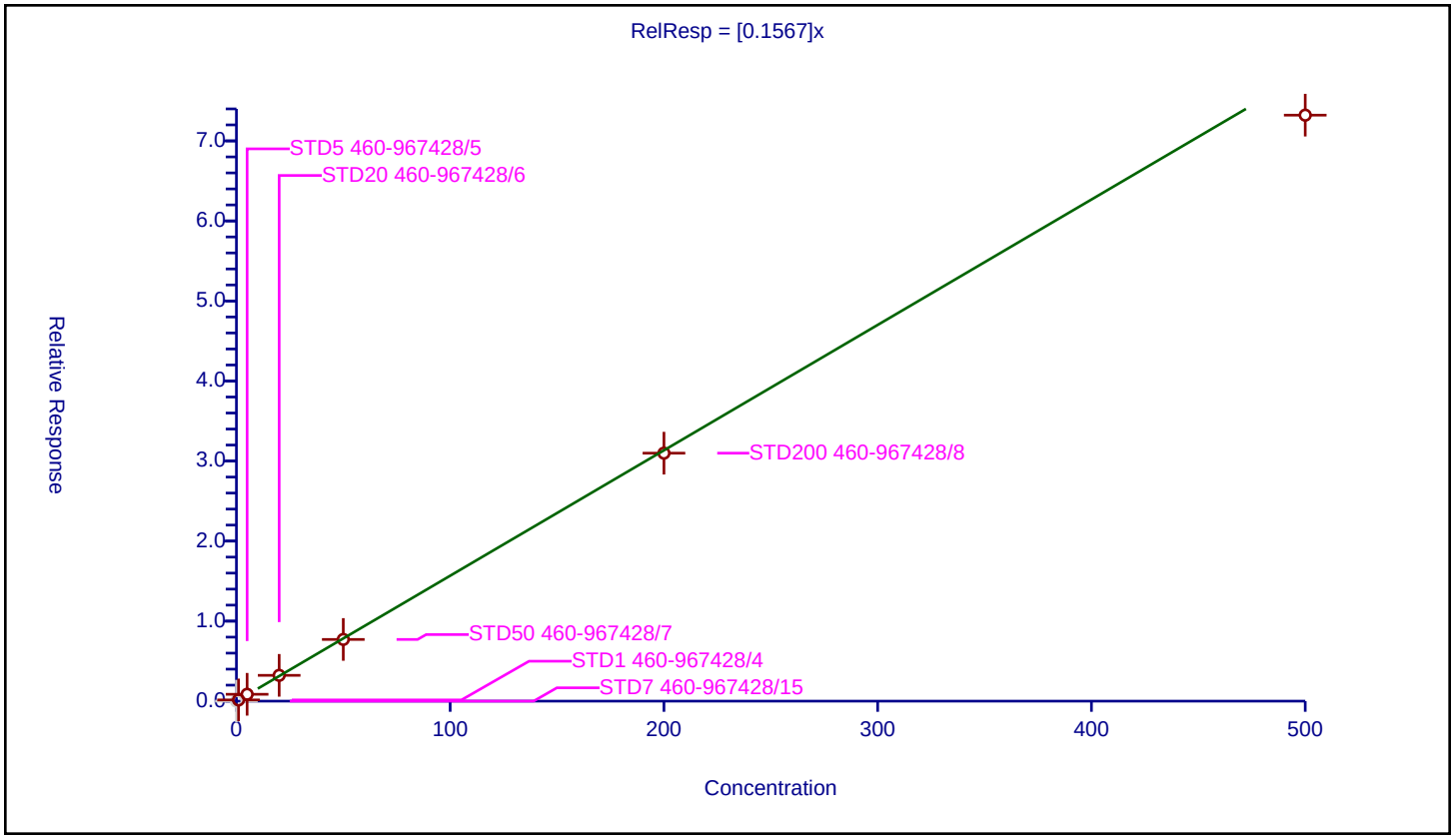
Curve Coefficients

Intercept:	0
Slope:	0.1567

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.151916	50.0	248164.0	0.151916	Y
3	STD5 460-967428/5	5.0	0.85793	50.0	251186.0	0.171586	Y
4	STD20 460-967428/6	20.0	3.222698	50.0	253747.0	0.161135	Y
5	STD50 460-967428/7	50.0	7.707869	50.0	255064.0	0.154157	Y
6	STD200 460-967428/8	200.0	30.984966	50.0	253694.0	0.154925	Y
7	STD500 460-967428/9	500.0	73.216898	50.0	254963.0	0.146434	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

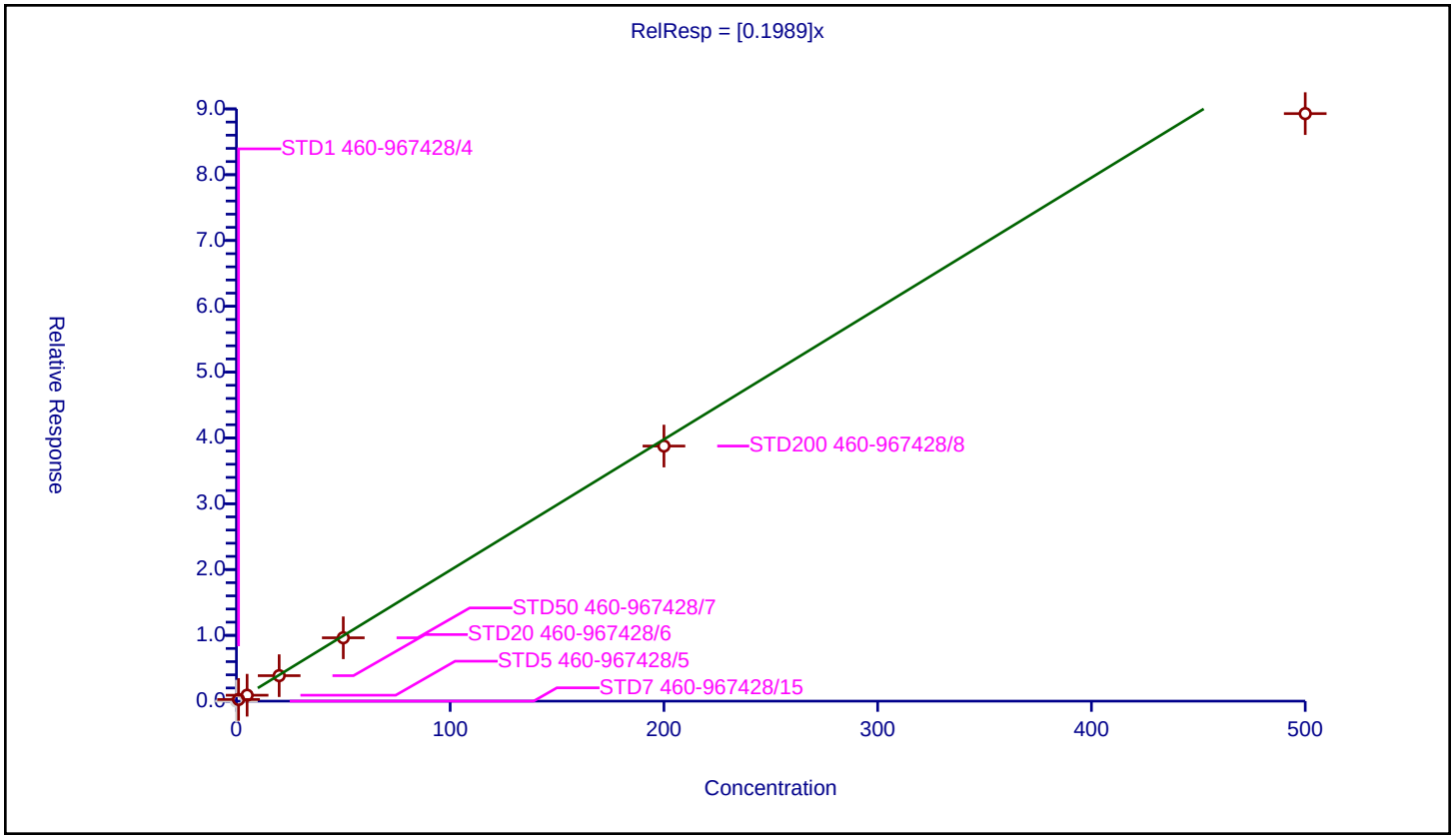
Curve Coefficients

Intercept:	0
Slope:	0.1989

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.25467	50.0	248164.0	0.25467	Y
3	STD5 460-967428/5	5.0	0.900926	50.0	251186.0	0.180185	Y
4	STD20 460-967428/6	20.0	3.870785	50.0	253747.0	0.193539	Y
5	STD50 460-967428/7	50.0	9.6268	50.0	255064.0	0.192536	Y
6	STD200 460-967428/8	200.0	38.765402	50.0	253694.0	0.193827	Y
7	STD500 460-967428/9	500.0	89.282563	50.0	254963.0	0.178565	Y



Calibration / 2-Chlorotoluene

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

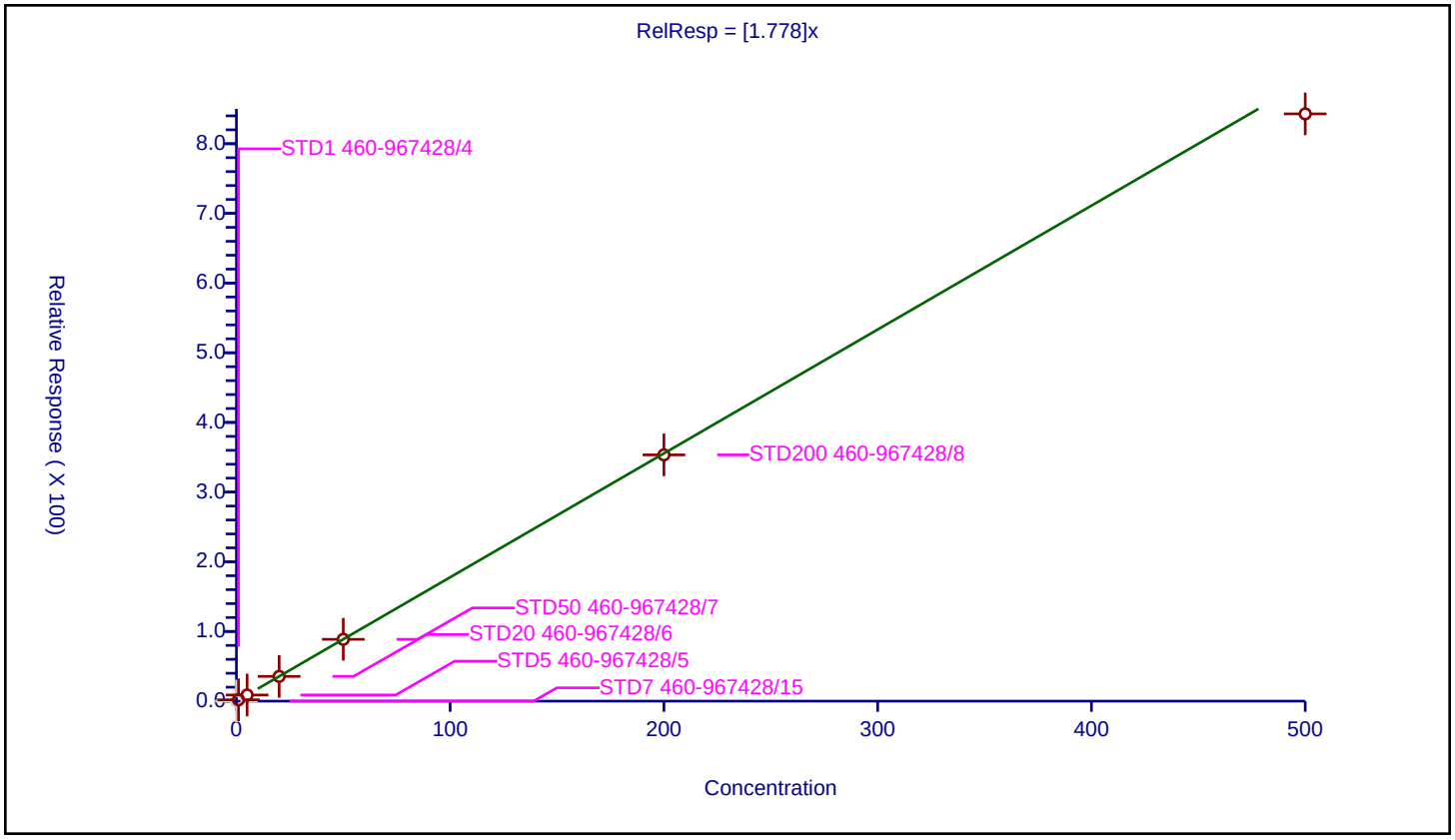
Curve Coefficients

Intercept:	0
Slope:	1.778

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.894715	50.0	248164.0	1.894715	Y
3	STD5 460-967428/5	5.0	8.845636	50.0	251186.0	1.769127	Y
4	STD20 460-967428/6	20.0	35.522193	50.0	253747.0	1.77611	Y
5	STD50 460-967428/7	50.0	88.710677	50.0	255064.0	1.774214	Y
6	STD200 460-967428/8	200.0	353.433861	50.0	253694.0	1.767169	Y
7	STD500 460-967428/9	500.0	842.848962	50.0	254963.0	1.685698	Y



Calibration / 4-Ethyltoluene

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

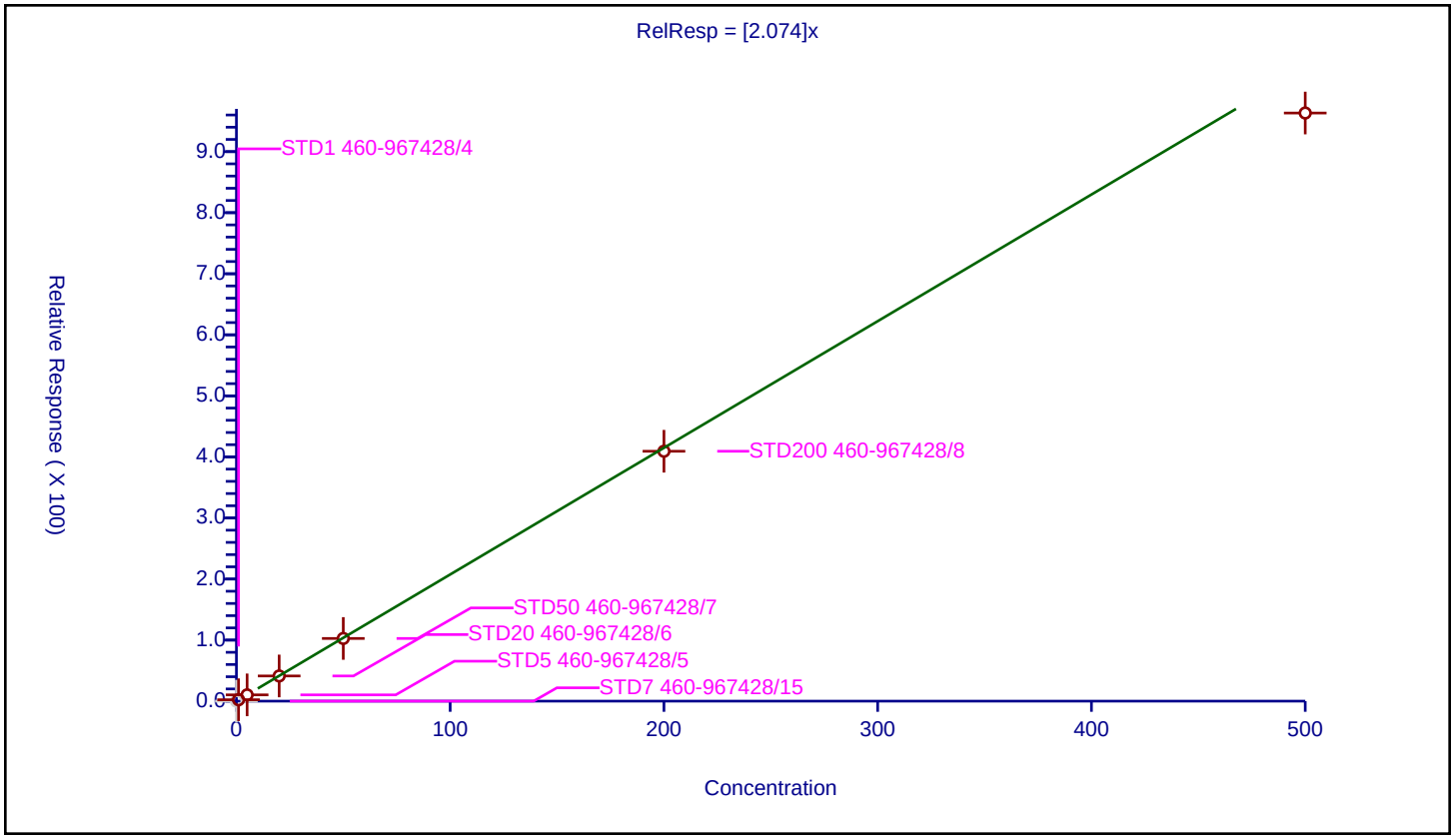
Curve Coefficients

Intercept:	0
Slope:	2.074

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	2.304323	50.0	248164.0	2.304323	Y
3	STD5 460-967428/5	5.0	10.266695	50.0	251186.0	2.053339	Y
4	STD20 460-967428/6	20.0	41.244231	50.0	253747.0	2.062212	Y
5	STD50 460-967428/7	50.0	102.66639	50.0	255064.0	2.053328	Y
6	STD200 460-967428/8	200.0	409.274756	50.0	253694.0	2.046374	Y
7	STD500 460-967428/9	500.0	963.224664	50.0	254963.0	1.926449	Y



Calibration / 1,3,5-Trimethylbenzene

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

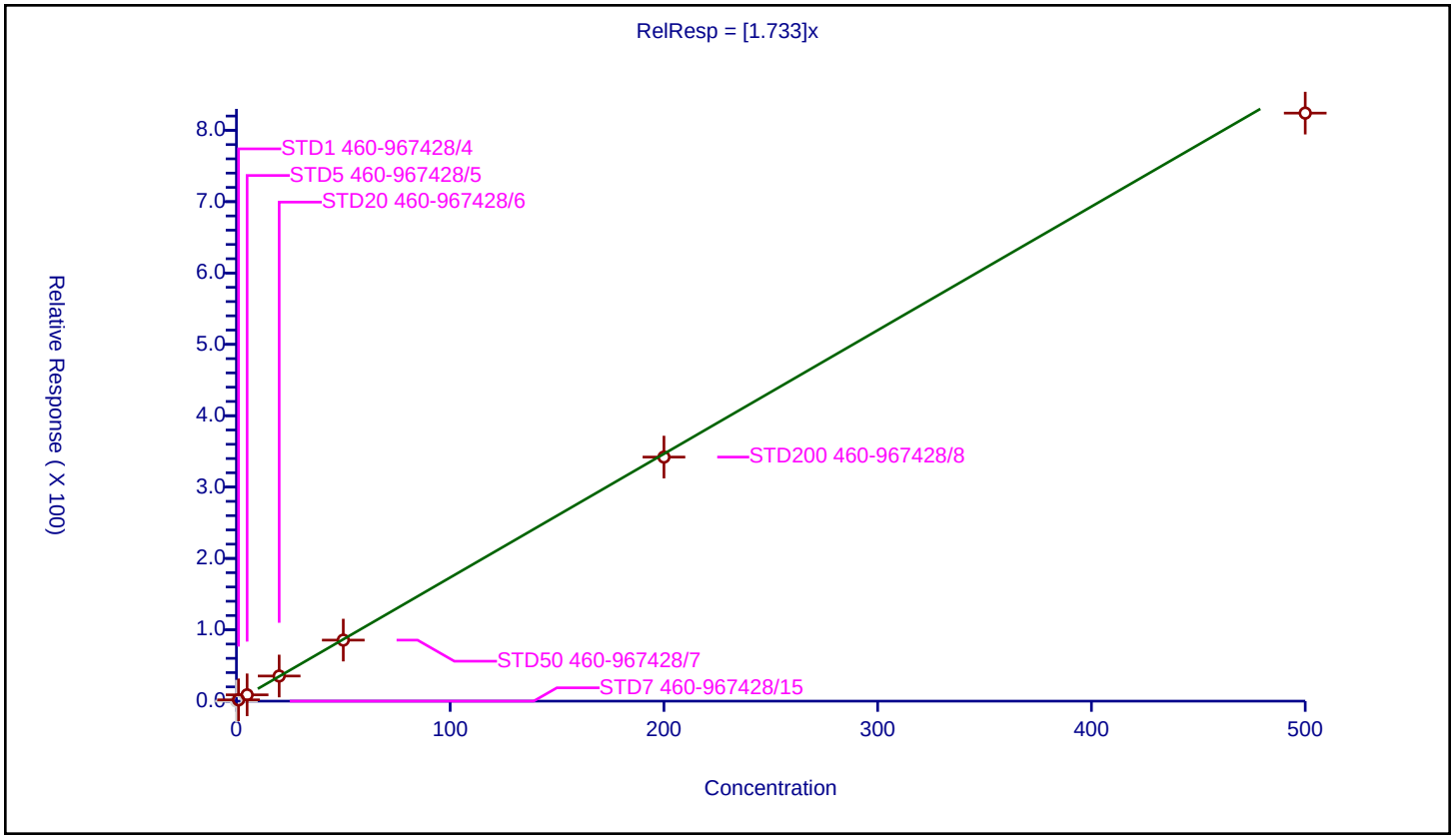
Curve Coefficients

Intercept:	0
Slope:	1.733

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.799616	50.0	248164.0	1.799616	Y
3	STD5 460-967428/5	5.0	8.835086	50.0	251186.0	1.767017	Y
4	STD20 460-967428/6	20.0	35.222879	50.0	253747.0	1.761144	Y
5	STD50 460-967428/7	50.0	85.528338	50.0	255064.0	1.710567	Y
6	STD200 460-967428/8	200.0	342.026812	50.0	253694.0	1.710134	Y
7	STD500 460-967428/9	500.0	824.106831	50.0	254963.0	1.648214	Y



Calibration / 4-Chlorotoluene

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

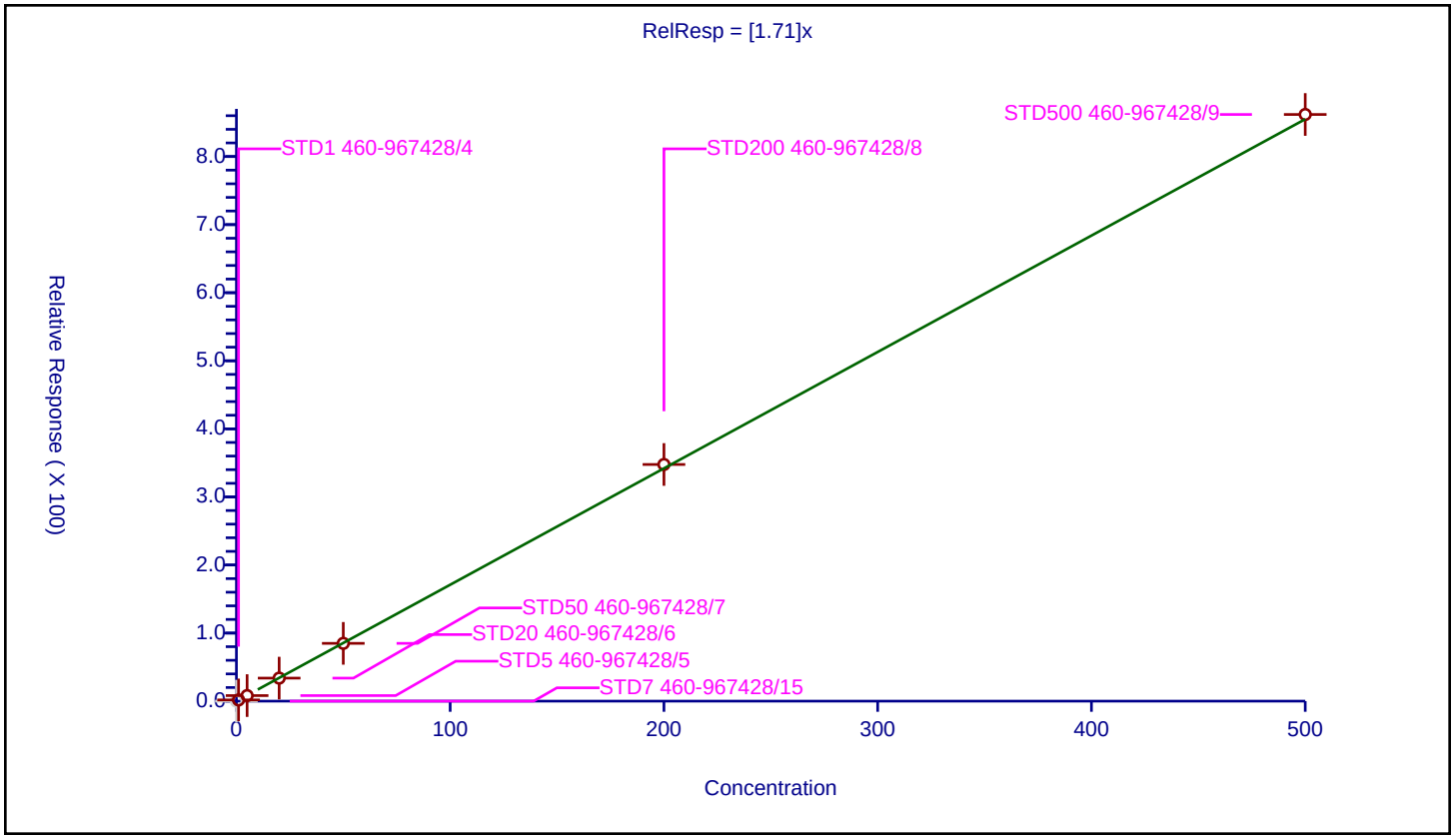
Curve Coefficients

Intercept:	0
Slope:	1.71

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.773424	50.0	248164.0	1.773424	Y
3	STD5 460-967428/5	5.0	8.168648	50.0	251186.0	1.63373	Y
4	STD20 460-967428/6	20.0	33.83508	50.0	253747.0	1.691754	Y
5	STD50 460-967428/7	50.0	84.873992	50.0	255064.0	1.69748	Y
6	STD200 460-967428/8	200.0	347.653275	50.0	253694.0	1.738266	Y
7	STD500 460-967428/9	500.0	861.783082	50.0	254963.0	1.723566	Y



Calibration / Butyl Methacrylate

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

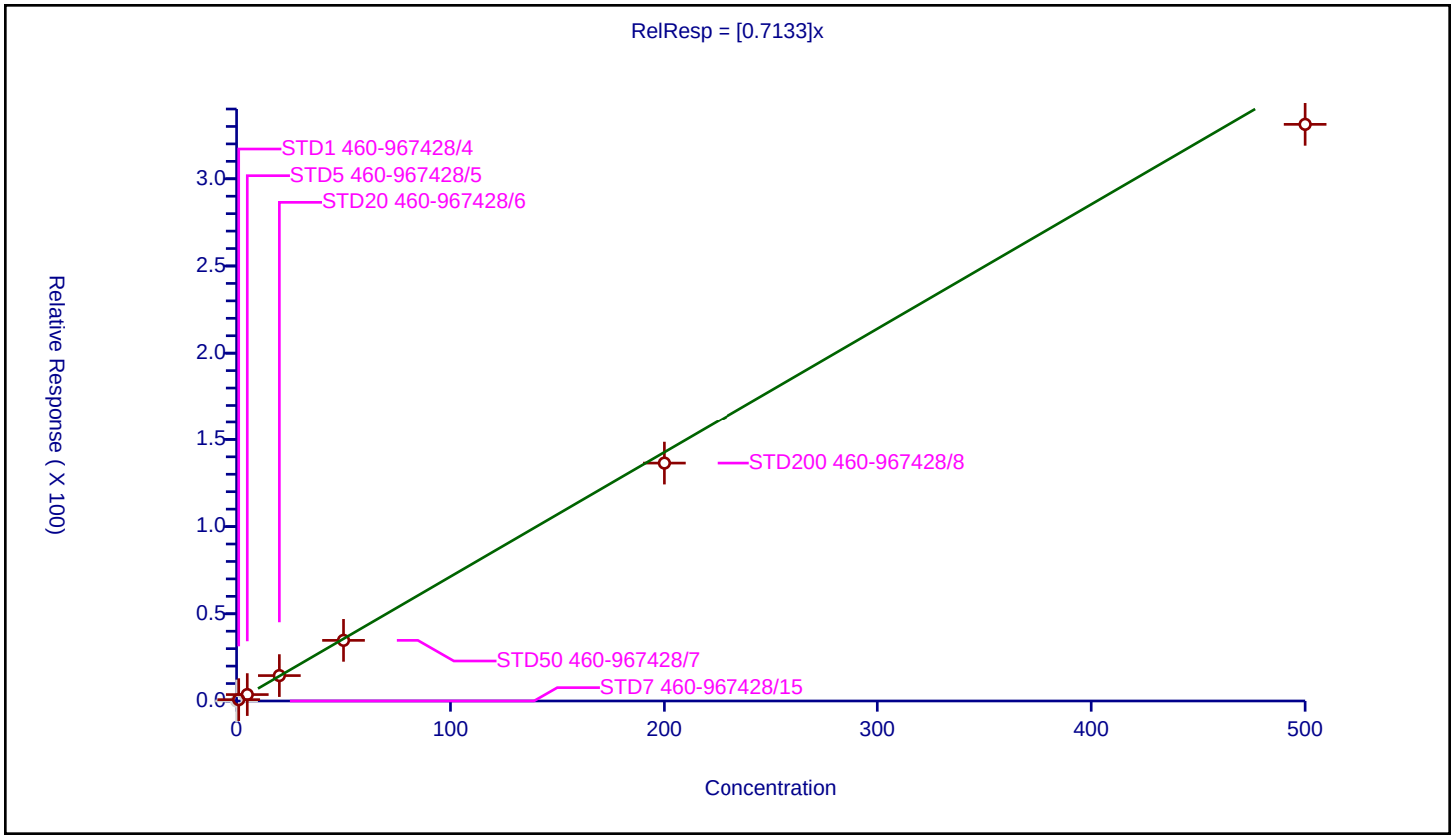
Curve Coefficients

Intercept:	0
Slope:	0.7133

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.775495	50.0	248164.0	0.775495	Y
3	STD5 460-967428/5	5.0	3.68253	50.0	251186.0	0.736506	Y
4	STD20 460-967428/6	20.0	14.560566	50.0	253747.0	0.728028	Y
5	STD50 460-967428/7	50.0	34.767745	50.0	255064.0	0.695355	Y
6	STD200 460-967428/8	200.0	136.412765	50.0	253694.0	0.682064	Y
7	STD500 460-967428/9	500.0	331.210215	50.0	254963.0	0.66242	Y



Calibration / tert-Butylbenzene

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

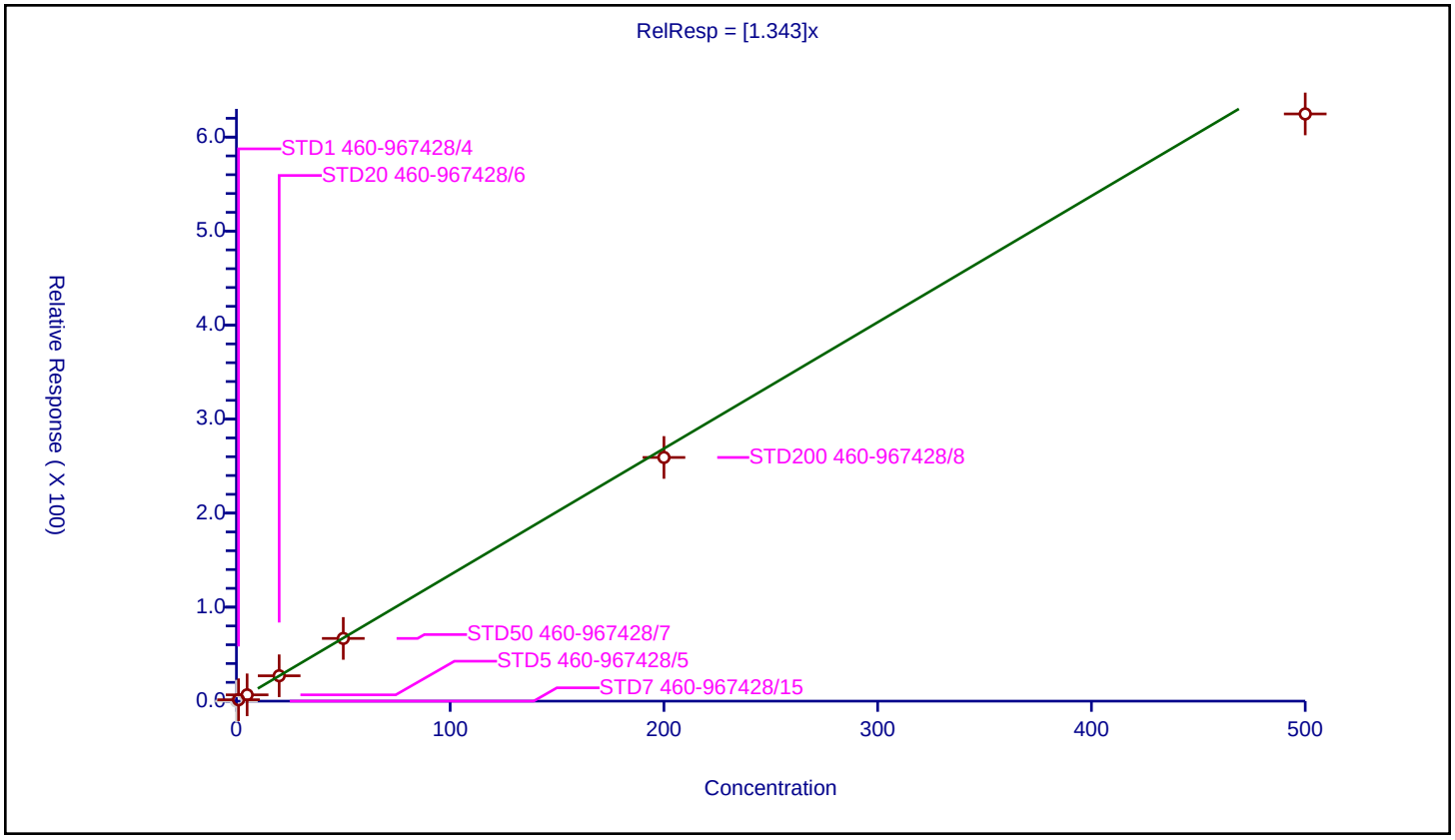
Curve Coefficients

Intercept:	0
Slope:	1.343

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.489136	50.0	248164.0	1.489136	Y
3	STD5 460-967428/5	5.0	6.712755	50.0	251186.0	1.342551	Y
4	STD20 460-967428/6	20.0	26.9816	50.0	253747.0	1.34908	Y
5	STD50 460-967428/7	50.0	66.700514	50.0	255064.0	1.33401	Y
6	STD200 460-967428/8	200.0	259.208732	50.0	253694.0	1.296044	Y
7	STD500 460-967428/9	500.0	624.654362	50.0	254963.0	1.249309	Y



Calibration / 1,2,4-Trimethylbenzene

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

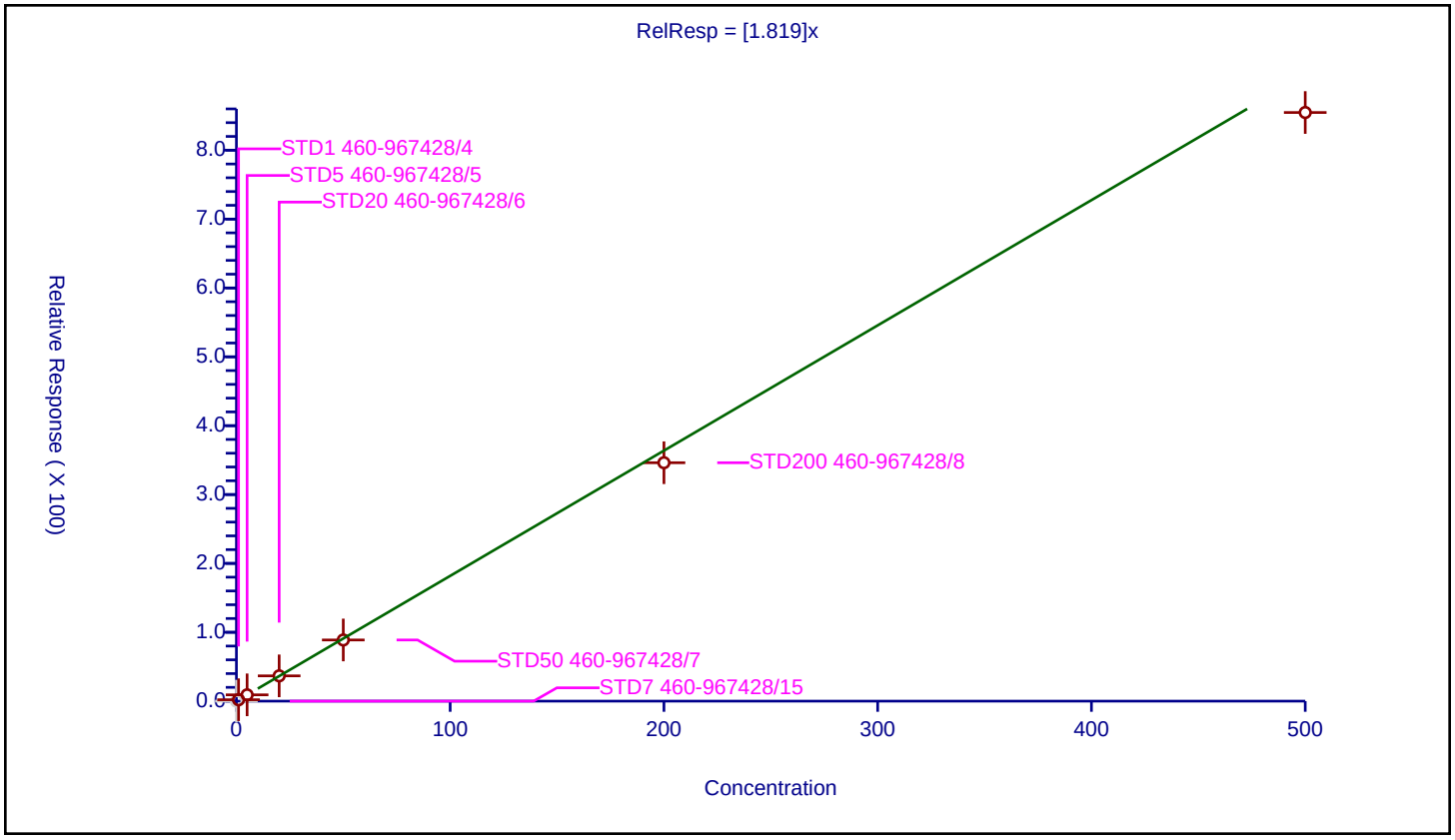
Curve Coefficients

Intercept:	0
Slope:	1.819

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	2.028296	50.0	248164.0	2.028296	Y
3	STD5 460-967428/5	5.0	9.155367	50.0	251186.0	1.831073	Y
4	STD20 460-967428/6	20.0	36.733439	50.0	253747.0	1.836672	Y
5	STD50 460-967428/7	50.0	88.803594	50.0	255064.0	1.776072	Y
6	STD200 460-967428/8	200.0	346.213746	50.0	253694.0	1.731069	Y
7	STD500 460-967428/9	500.0	854.754808	50.0	254963.0	1.70951	Y



Calibration / sec-Butylbenzene

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

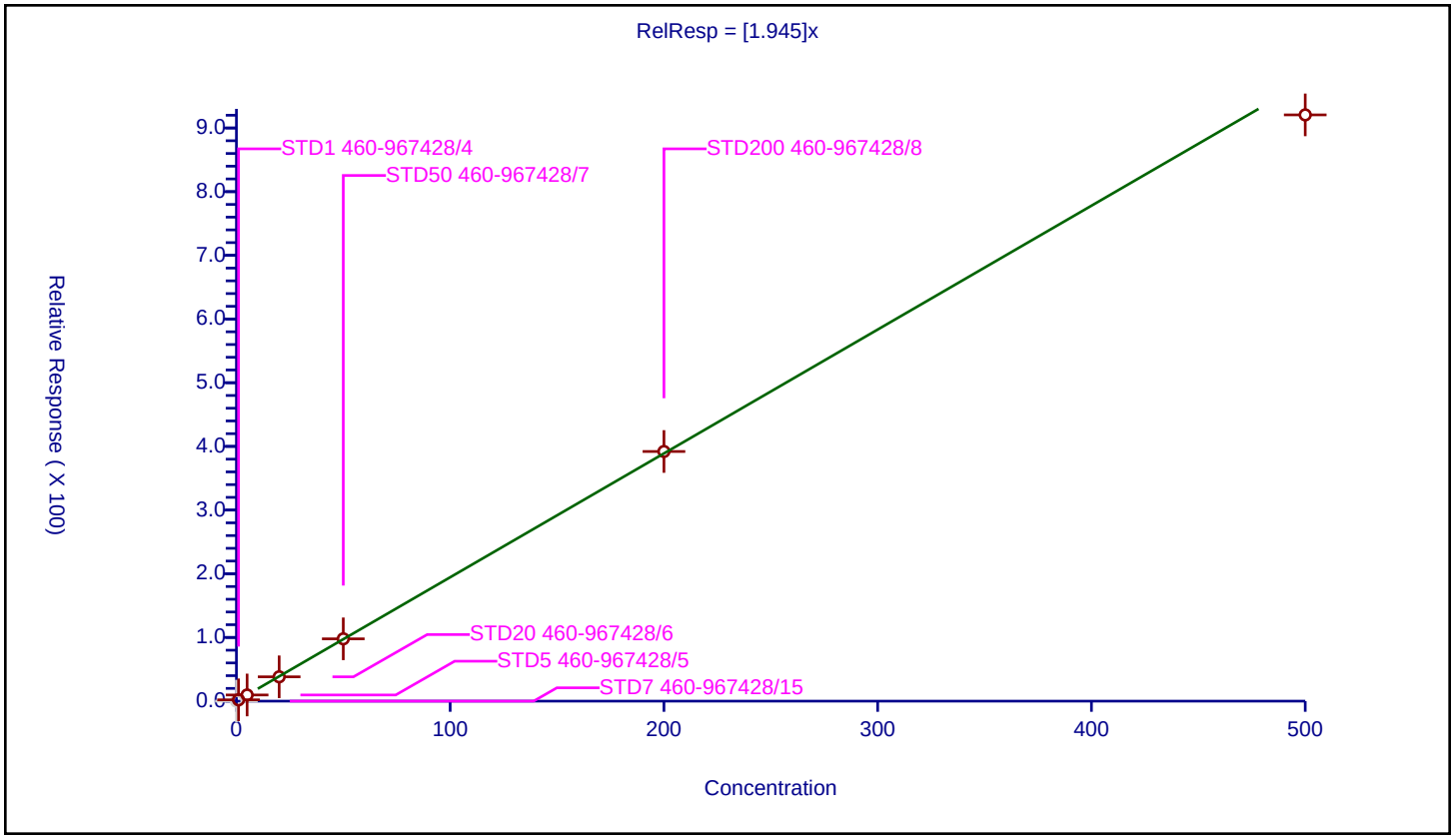
Curve Coefficients

Intercept:	0
Slope:	1.945

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	2.063958	50.0	248164.0	2.063958	Y
3	STD5 460-967428/5	5.0	9.685253	50.0	251186.0	1.937051	Y
4	STD20 460-967428/6	20.0	38.201634	50.0	253747.0	1.910082	Y
5	STD50 460-967428/7	50.0	97.862693	50.0	255064.0	1.957254	Y
6	STD200 460-967428/8	200.0	392.040214	50.0	253694.0	1.960201	Y
7	STD500 460-967428/9	500.0	920.579849	50.0	254963.0	1.84116	Y



Calibration / 1,3-Dichlorobenzene

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

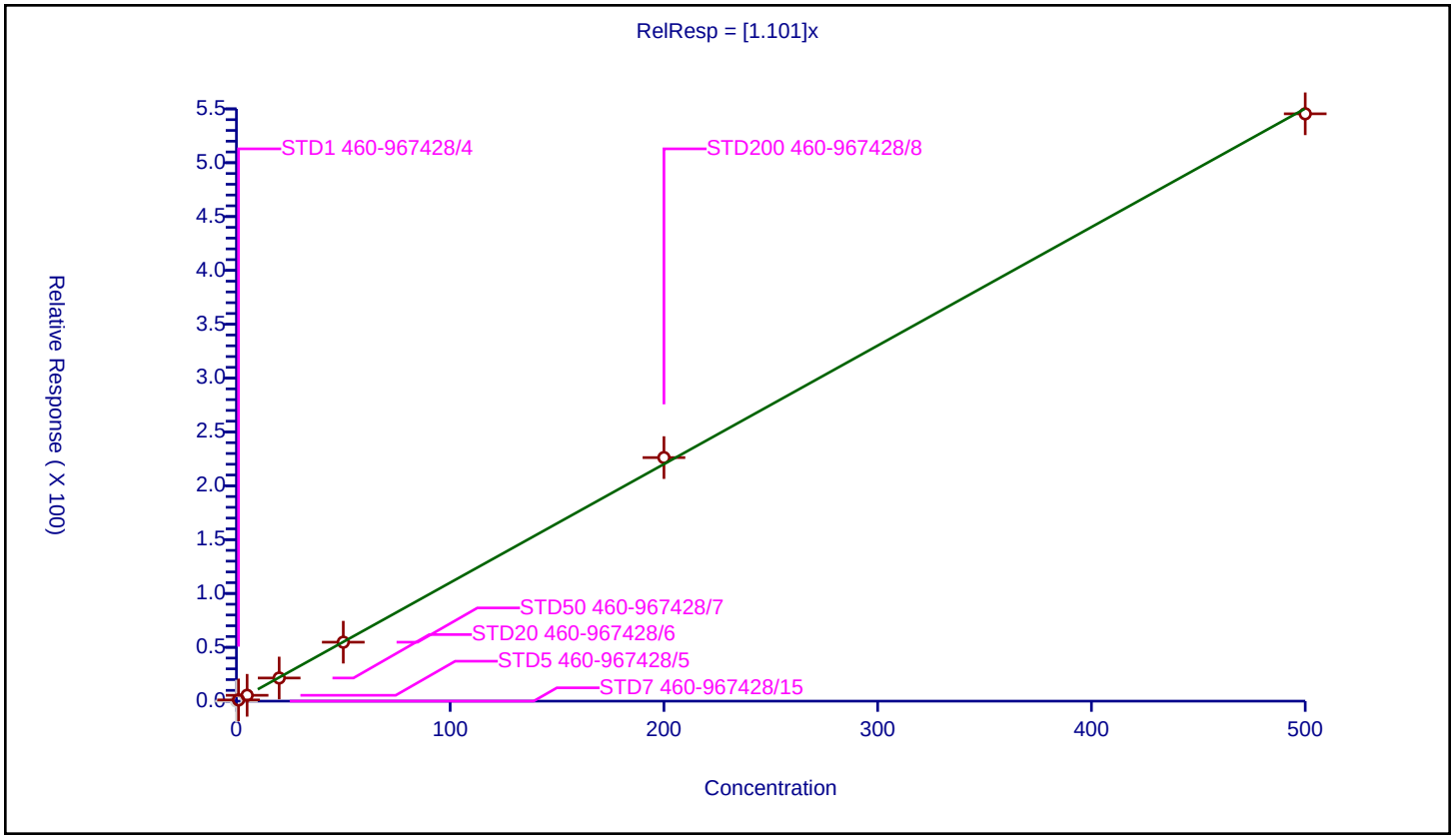
Curve Coefficients

Intercept:	0
Slope:	1.101

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.124861	50.0	248164.0	1.124861	Y
3	STD5 460-967428/5	5.0	5.438798	50.0	251186.0	1.08776	Y
4	STD20 460-967428/6	20.0	21.482619	50.0	253747.0	1.074131	Y
5	STD50 460-967428/7	50.0	54.760962	50.0	255064.0	1.095219	Y
6	STD200 460-967428/8	200.0	226.177994	50.0	253694.0	1.13089	Y
7	STD500 460-967428/9	500.0	545.46091	50.0	254963.0	1.090922	Y



Calibration / 4-Isopropyltoluene

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

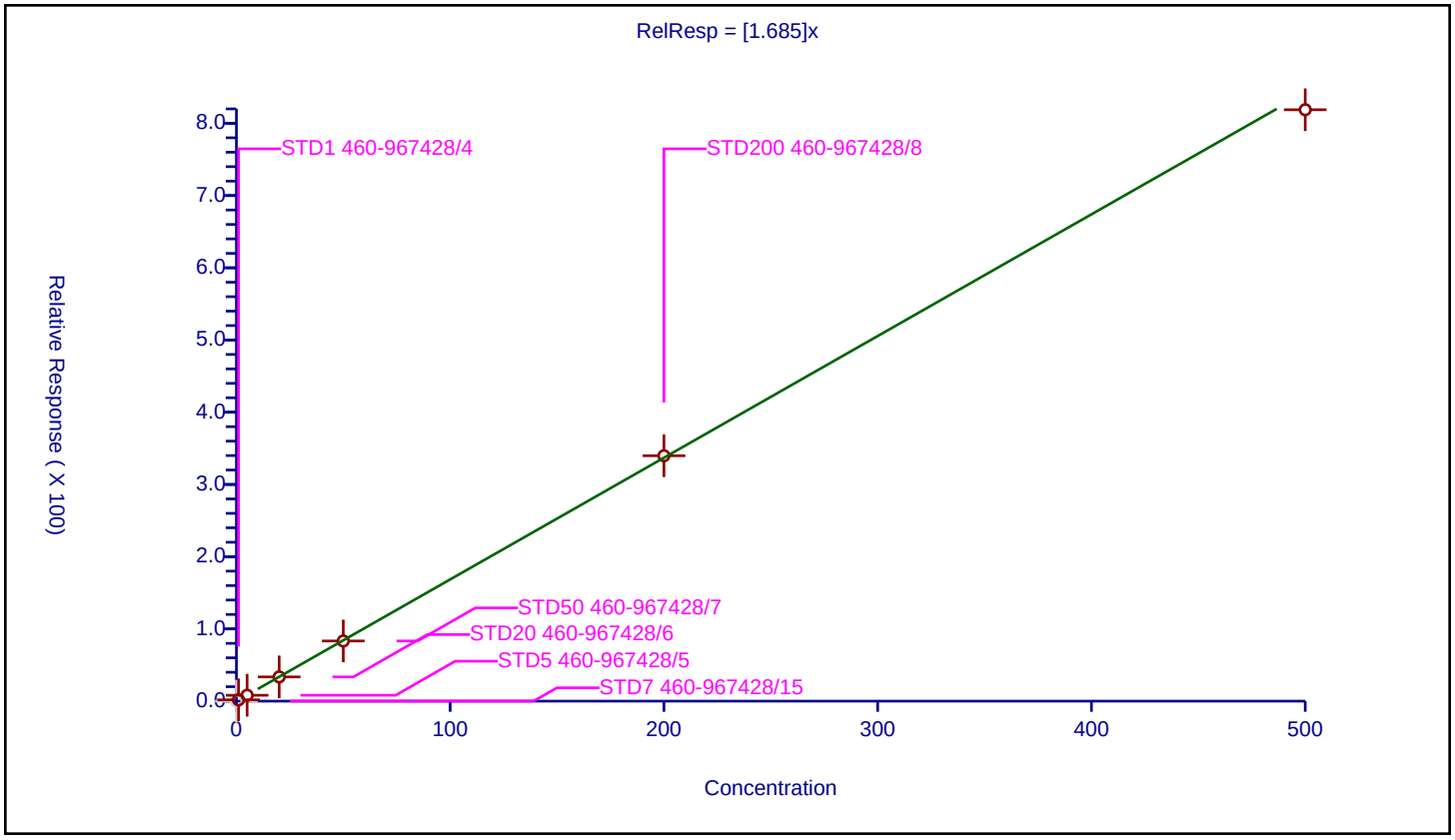
Curve Coefficients

Intercept:	0
Slope:	1.685

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.801631	50.0	248164.0	1.801631	Y
3	STD5 460-967428/5	5.0	8.144761	50.0	251186.0	1.628952	Y
4	STD20 460-967428/6	20.0	33.538525	50.0	253747.0	1.676926	Y
5	STD50 460-967428/7	50.0	83.295761	50.0	255064.0	1.665915	Y
6	STD200 460-967428/8	200.0	339.772324	50.0	253694.0	1.698862	Y
7	STD500 460-967428/9	500.0	818.837047	50.0	254963.0	1.637674	Y



Calibration / 1,4-Dichlorobenzene

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

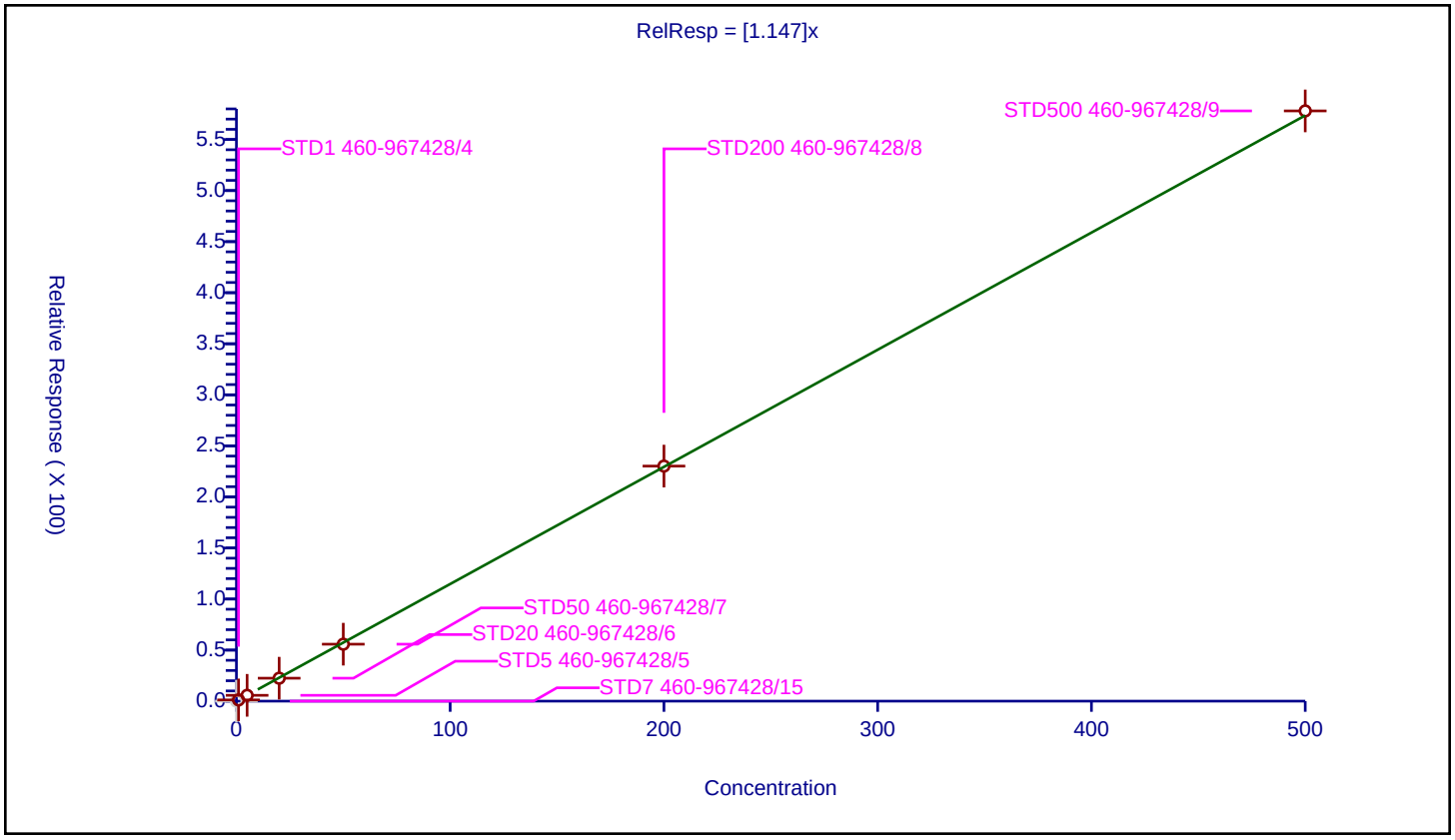
Curve Coefficients

Intercept:	0
Slope:	1.147

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.198401	50.0	248164.0	1.198401	Y
3	STD5 460-967428/5	5.0	5.692594	50.0	251186.0	1.138519	Y
4	STD20 460-967428/6	20.0	22.46332	50.0	253747.0	1.123166	Y
5	STD50 460-967428/7	50.0	55.775805	50.0	255064.0	1.115516	Y
6	STD200 460-967428/8	200.0	230.192279	50.0	253694.0	1.150961	Y
7	STD500 460-967428/9	500.0	578.025635	50.0	254963.0	1.156051	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

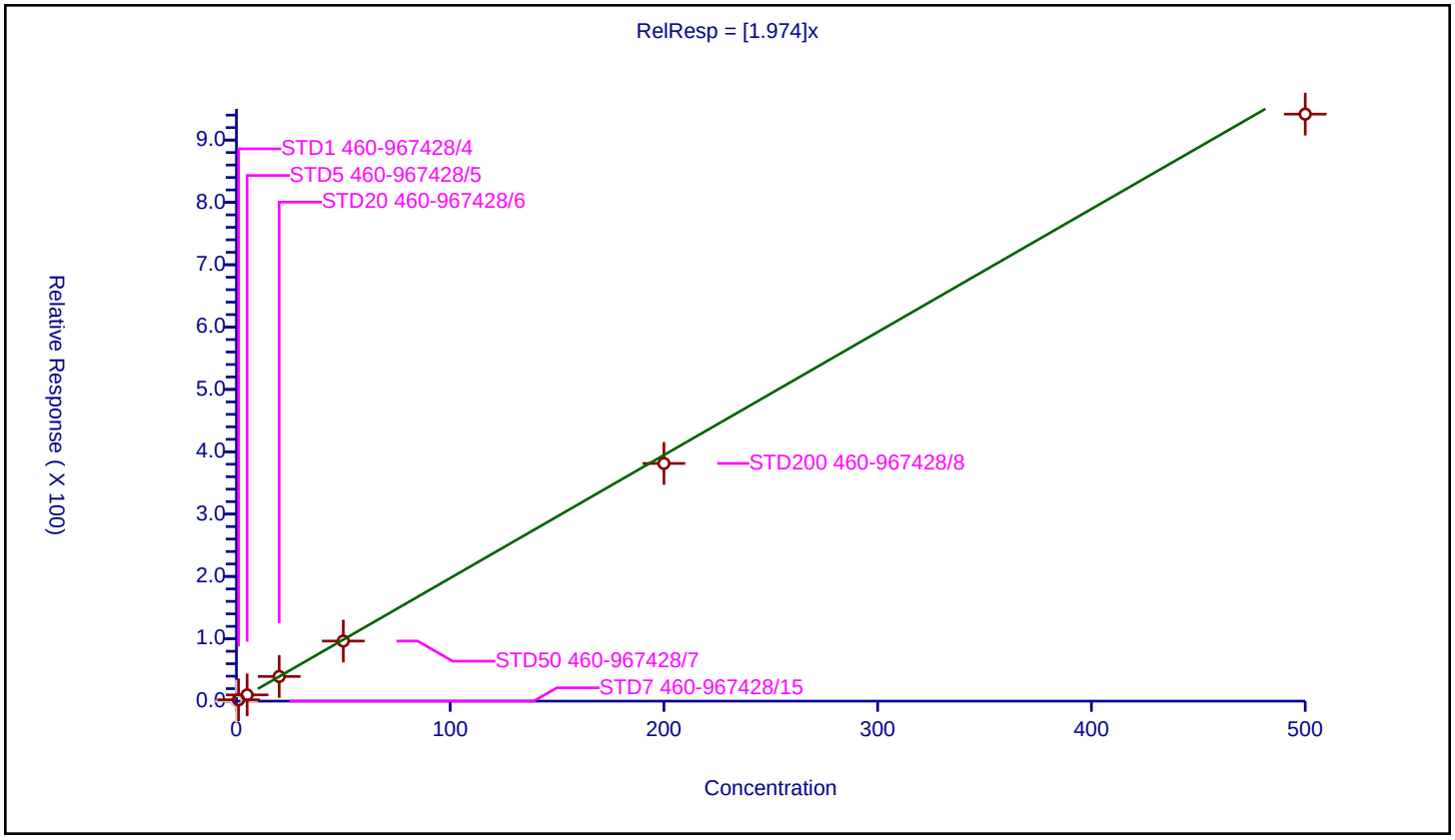
Curve Coefficients

Intercept:	0
Slope:	1.974

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	2.13911	50.0	248164.0	2.13911	Y
3	STD5 460-967428/5	5.0	10.029221	50.0	251186.0	2.005844	Y
4	STD20 460-967428/6	20.0	39.573473	50.0	253747.0	1.978674	Y
5	STD50 460-967428/7	50.0	96.413449	50.0	255064.0	1.928269	Y
6	STD200 460-967428/8	200.0	381.270152	50.0	253694.0	1.906351	Y
7	STD500 460-967428/9	500.0	941.629374	50.0	254963.0	1.883259	Y



Calibration / Benzyl chloride

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

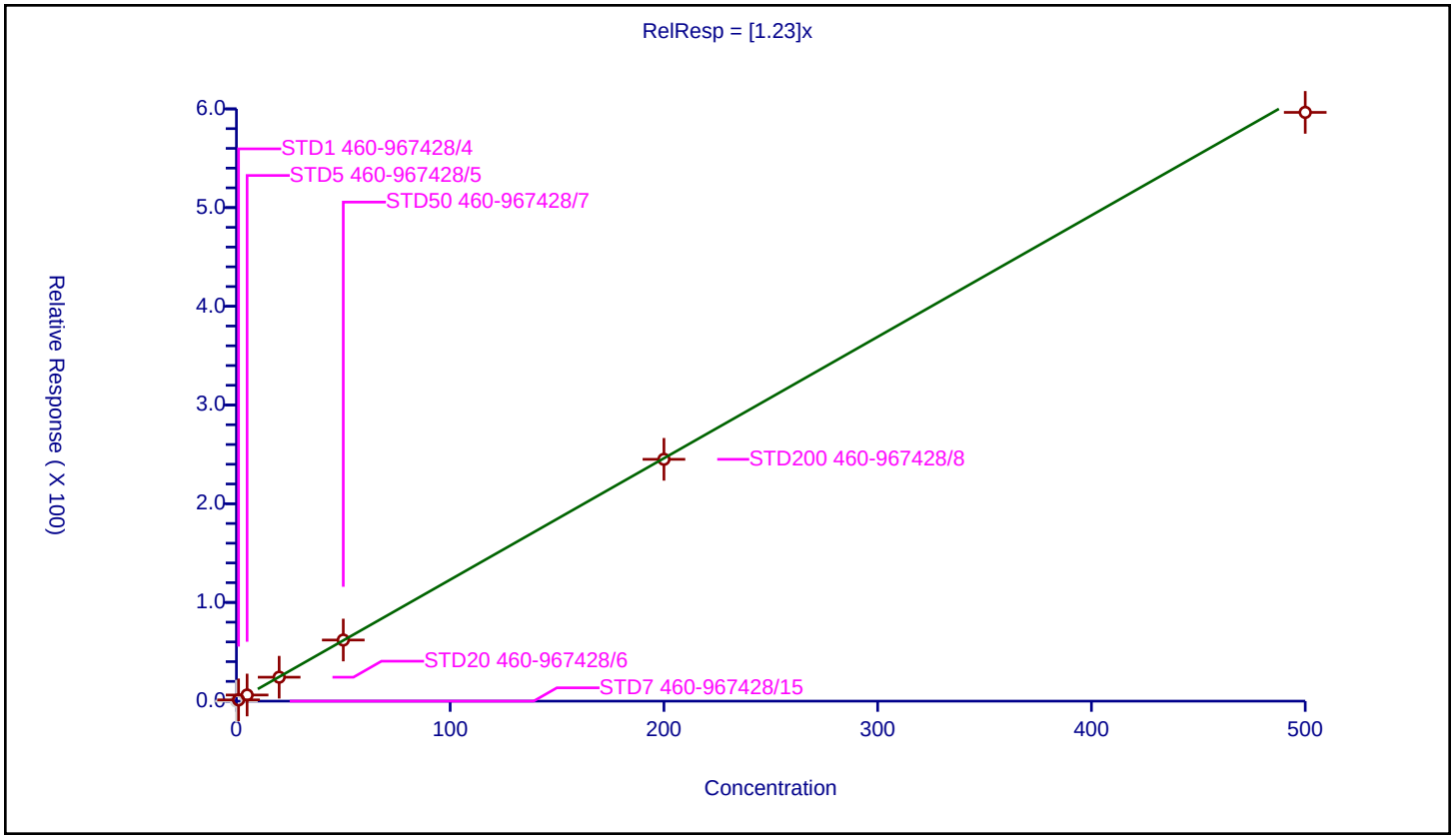
Curve Coefficients

Intercept:	0
Slope:	1.23

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.271941	50.0	248164.0	1.271941	Y
3	STD5 460-967428/5	5.0	6.208348	50.0	251186.0	1.24167	Y
4	STD20 460-967428/6	20.0	24.24009	50.0	253747.0	1.212004	Y
5	STD50 460-967428/7	50.0	61.910344	50.0	255064.0	1.238207	Y
6	STD200 460-967428/8	200.0	244.993772	50.0	253694.0	1.224969	Y
7	STD500 460-967428/9	500.0	596.472429	50.0	254963.0	1.192945	Y



Calibration / 2,3-Dihydroindene

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

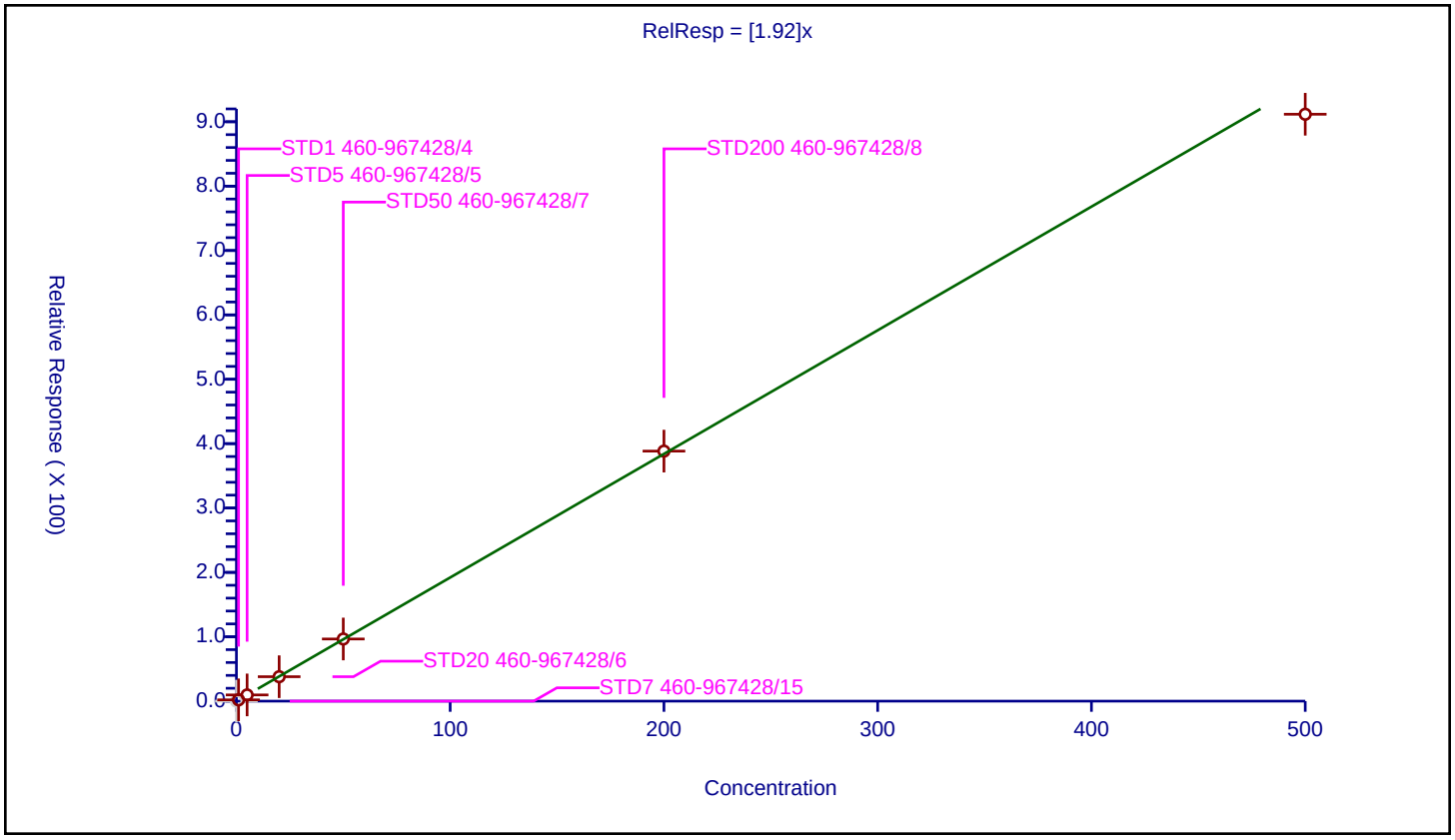
Curve Coefficients

Intercept:	0
Slope:	1.92

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.999081	50.0	248164.0	1.999081	Y
3	STD5 460-967428/5	5.0	9.64166	50.0	251186.0	1.928332	Y
4	STD20 460-967428/6	20.0	37.958872	50.0	253747.0	1.897944	Y
5	STD50 460-967428/7	50.0	96.549493	50.0	255064.0	1.93099	Y
6	STD200 460-967428/8	200.0	388.380687	50.0	253694.0	1.941903	Y
7	STD500 460-967428/9	500.0	911.691108	50.0	254963.0	1.823382	Y



Calibration / p-Diethylbenzene

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

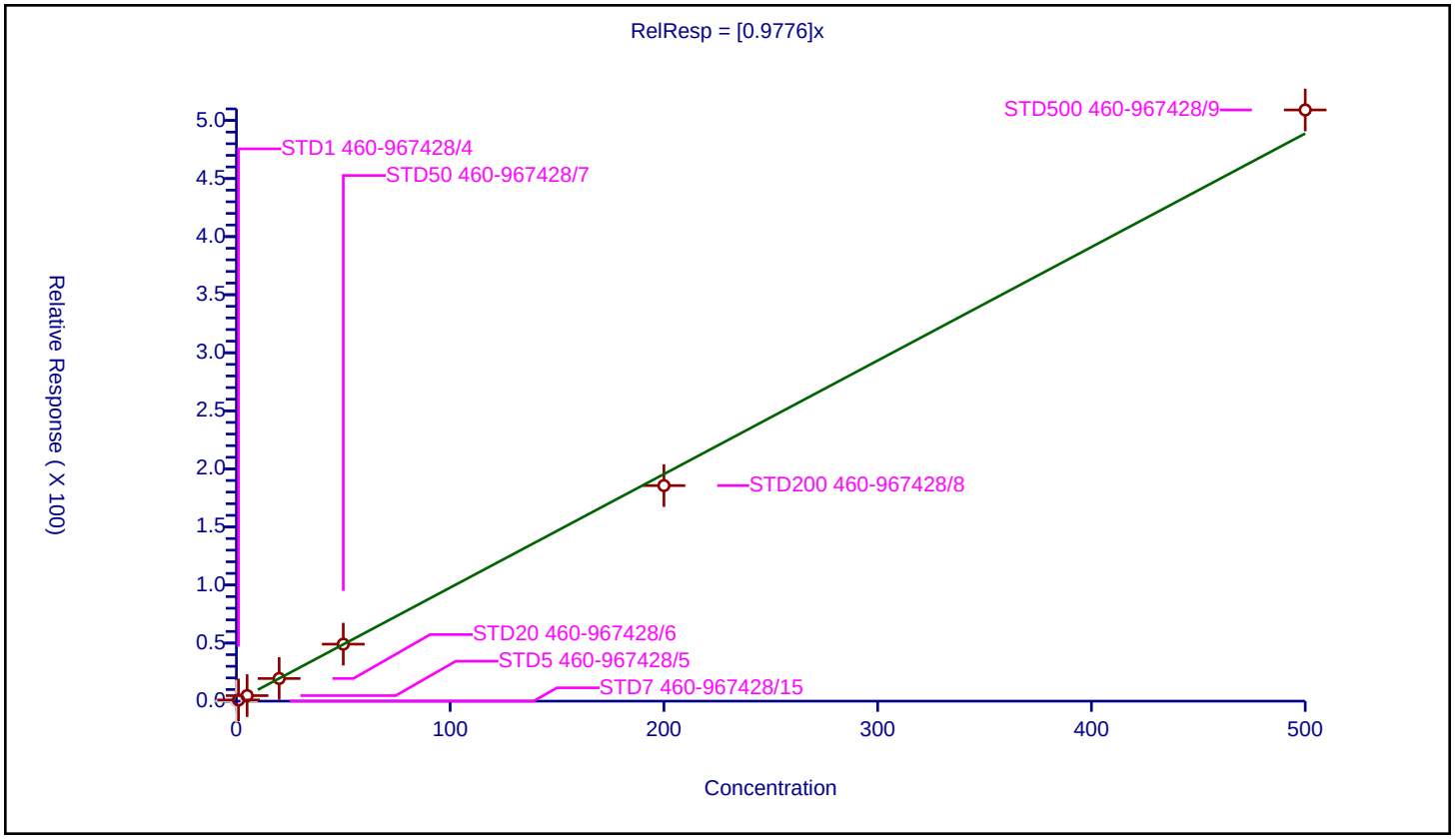
Curve Coefficients

Intercept:	0
Slope:	0.9776

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.009816	50.0	248164.0	1.009816	Y
3	STD5 460-967428/5	5.0	4.764995	50.0	251186.0	0.952999	Y
4	STD20 460-967428/6	20.0	19.499738	50.0	253747.0	0.974987	Y
5	STD50 460-967428/7	50.0	49.078859	50.0	255064.0	0.981577	Y
6	STD200 460-967428/8	200.0	185.617319	50.0	253694.0	0.928087	Y
7	STD500 460-967428/9	500.0	509.087593	50.0	254963.0	1.018175	Y



Calibration / n-Butylbenzene

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

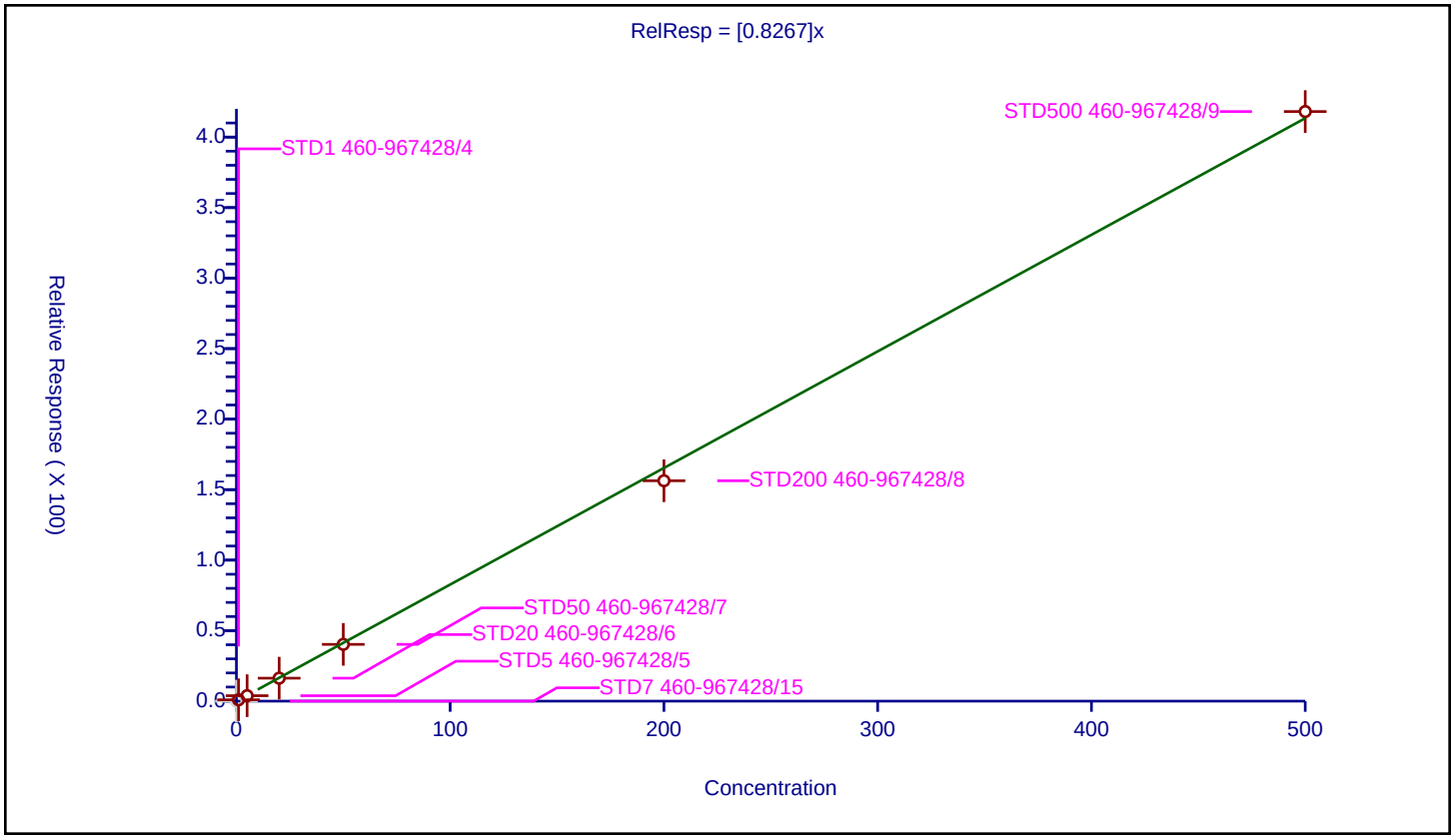
Curve Coefficients

Intercept:	0
Slope:	0.8267

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.949574	50.0	248164.0	0.949574	Y
3	STD5 460-967428/5	5.0	3.868846	50.0	251186.0	0.773769	Y
4	STD20 460-967428/6	20.0	16.283542	50.0	253747.0	0.814177	Y
5	STD50 460-967428/7	50.0	40.26068	50.0	255064.0	0.805214	Y
6	STD200 460-967428/8	200.0	156.292817	50.0	253694.0	0.781464	Y
7	STD500 460-967428/9	500.0	418.111059	50.0	254963.0	0.836222	Y



Calibration / 1,2-Dichlorobenzene

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

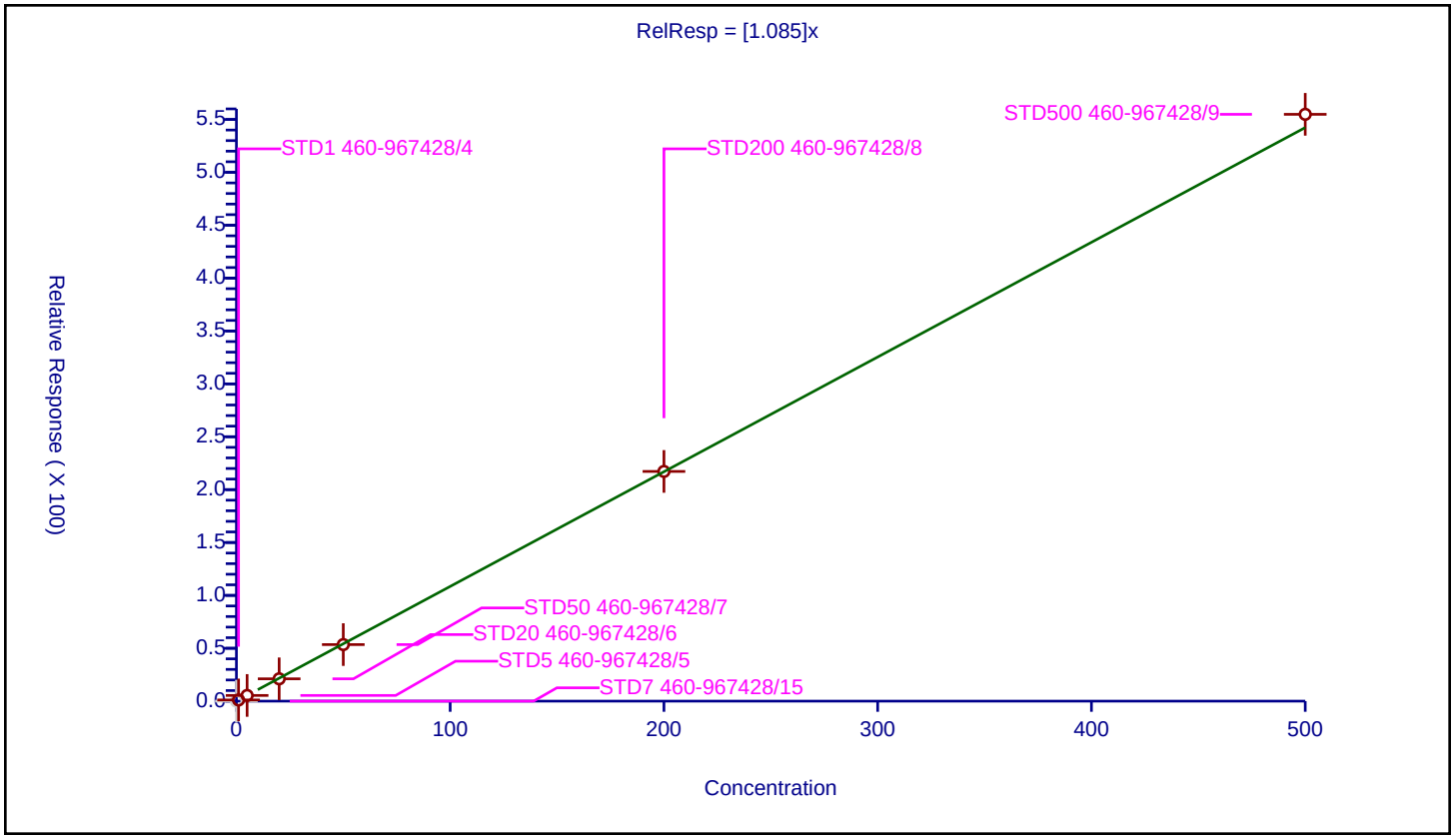
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.109549	50.0	248164.0	1.109549	Y
3	STD5 460-967428/5	5.0	5.387044	50.0	251186.0	1.077409	Y
4	STD20 460-967428/6	20.0	21.115718	50.0	253747.0	1.055786	Y
5	STD50 460-967428/7	50.0	53.47207	50.0	255064.0	1.069441	Y
6	STD200 460-967428/8	200.0	217.193745	50.0	253694.0	1.085969	Y
7	STD500 460-967428/9	500.0	554.864431	50.0	254963.0	1.109729	Y



Calibration / 1,2,4,5-Tetramethylbenzene

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

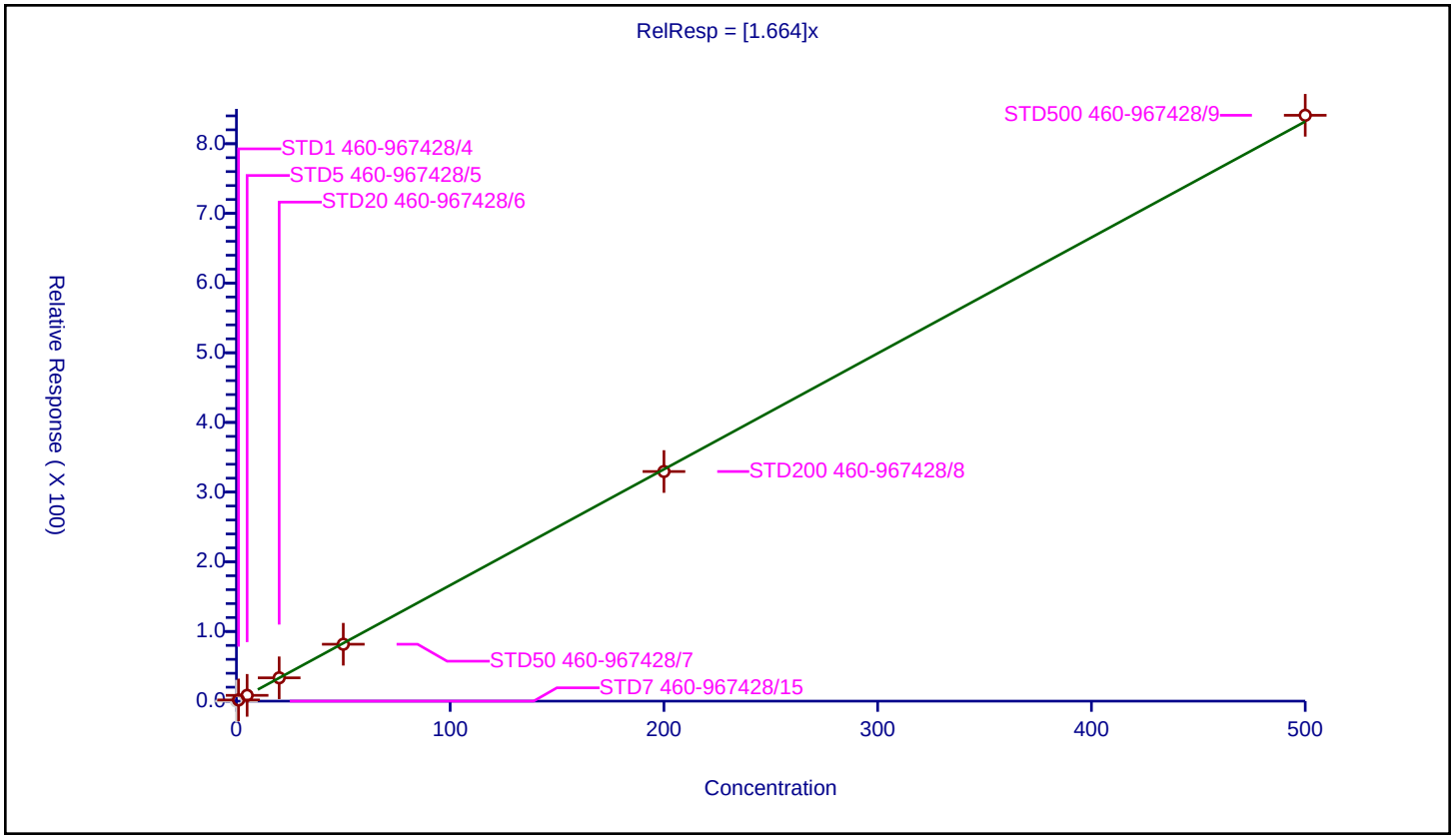
Curve Coefficients

Intercept:	0
Slope:	1.664

Error Coefficients

Relative Standard Deviation:	1.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.683161	50.0	248164.0	1.683161	Y
3	STD5 460-967428/5	5.0	8.320726	50.0	251186.0	1.664145	Y
4	STD20 460-967428/6	20.0	33.450839	50.0	253747.0	1.672542	Y
5	STD50 460-967428/7	50.0	81.652252	50.0	255064.0	1.633045	Y
6	STD200 460-967428/8	200.0	329.569678	50.0	253694.0	1.647848	Y
7	STD500 460-967428/9	500.0	840.817295	50.0	254963.0	1.681635	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

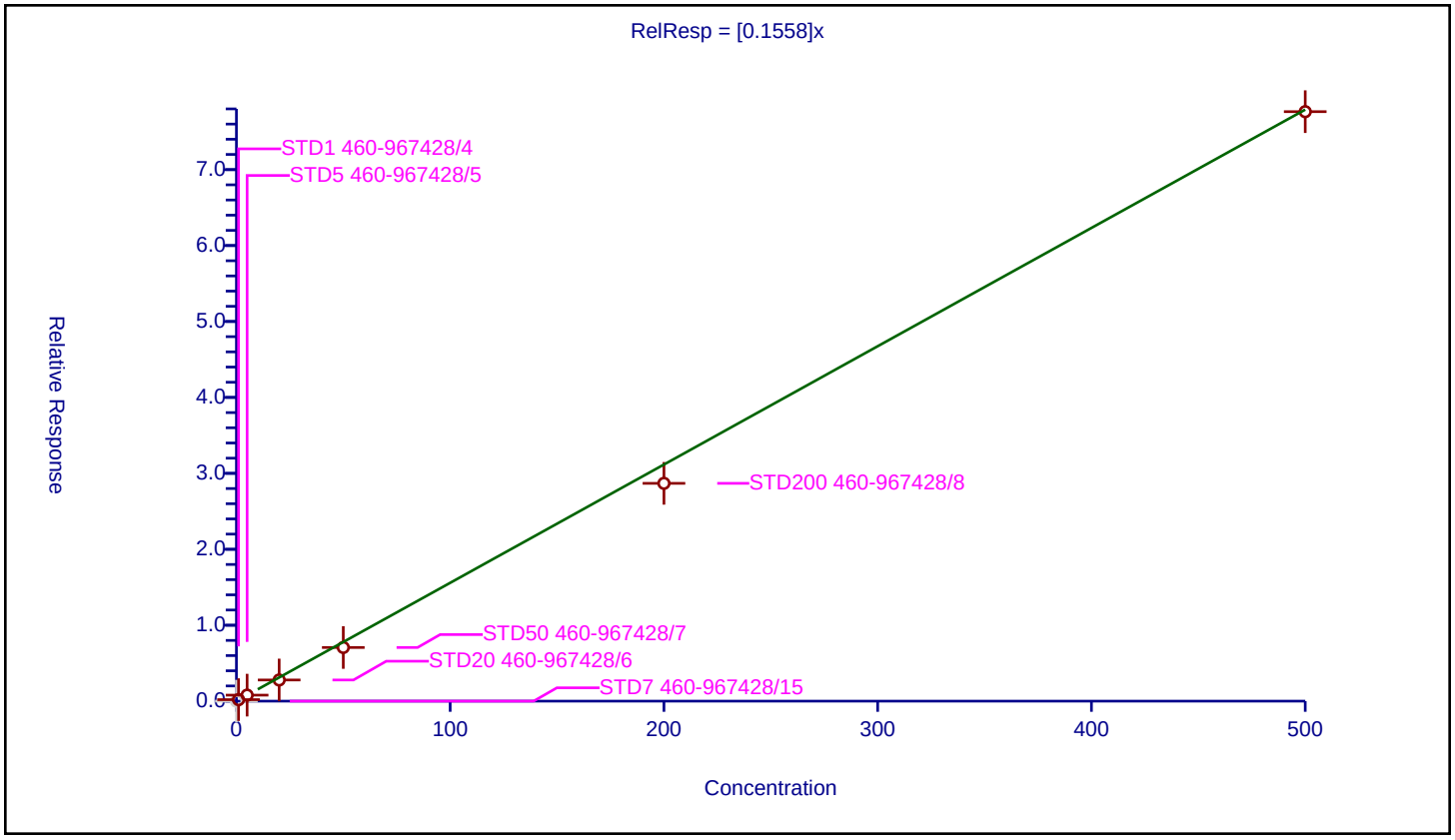
Curve Coefficients

Intercept:	0
Slope:	0.1558

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.19745	50.0	248164.0	0.19745	Y
3	STD5 460-967428/5	5.0	0.789853	50.0	251186.0	0.157971	Y
4	STD20 460-967428/6	20.0	2.787422	50.0	253747.0	0.139371	Y
5	STD50 460-967428/7	50.0	7.067834	50.0	255064.0	0.141357	Y
6	STD200 460-967428/8	200.0	28.684951	50.0	253694.0	0.143425	Y
7	STD500 460-967428/9	500.0	77.633421	50.0	254963.0	0.155267	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

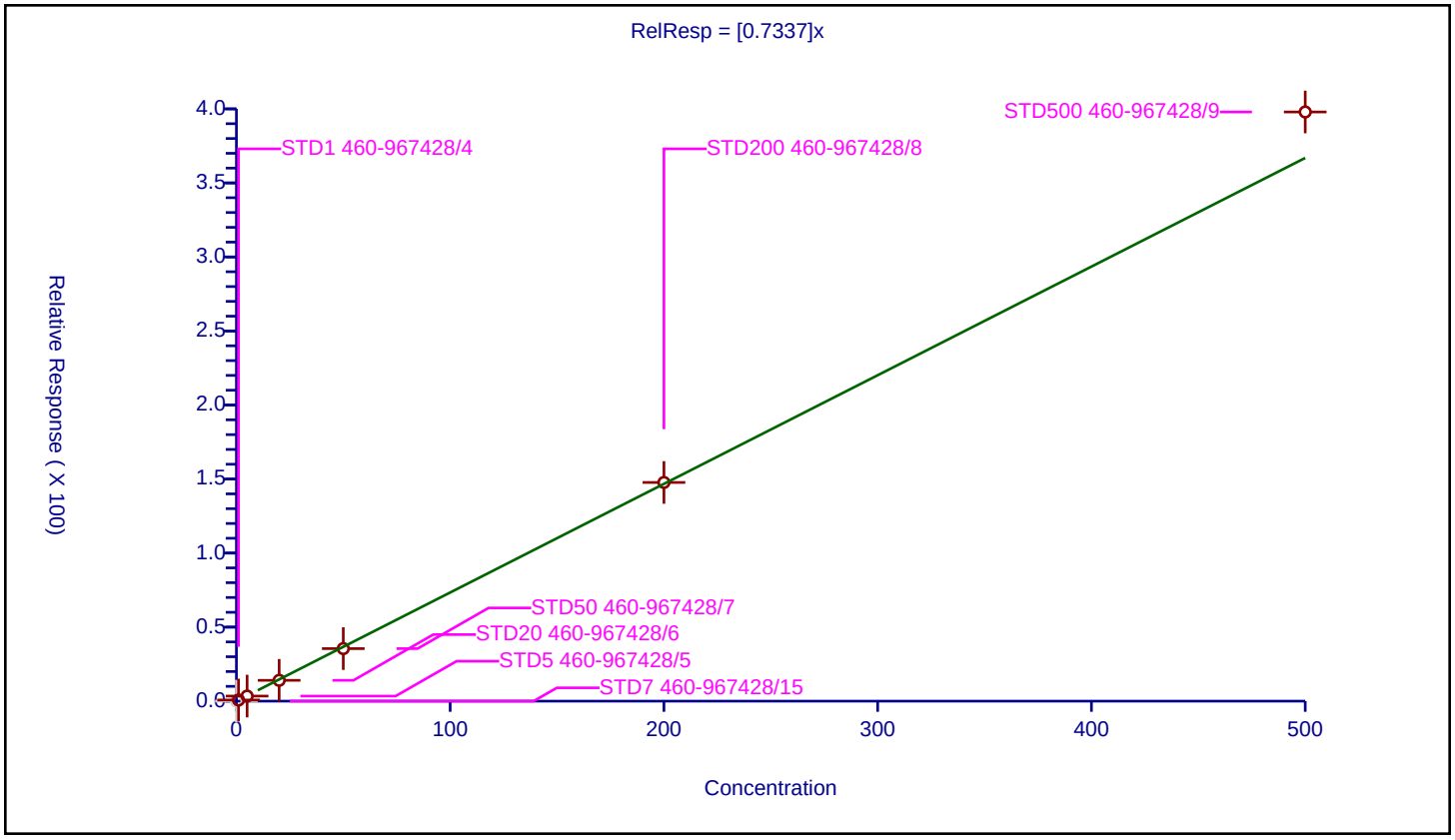
Curve Coefficients

Intercept:	0
Slope:	0.7337

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.770257	50.0	248164.0	0.770257	Y
3	STD5 460-967428/5	5.0	3.425748	50.0	251186.0	0.68515	Y
4	STD20 460-967428/6	20.0	14.065979	50.0	253747.0	0.703299	Y
5	STD50 460-967428/7	50.0	35.473254	50.0	255064.0	0.709465	Y
6	STD200 460-967428/8	200.0	147.688948	50.0	253694.0	0.738445	Y
7	STD500 460-967428/9	500.0	397.909893	50.0	254963.0	0.79582	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

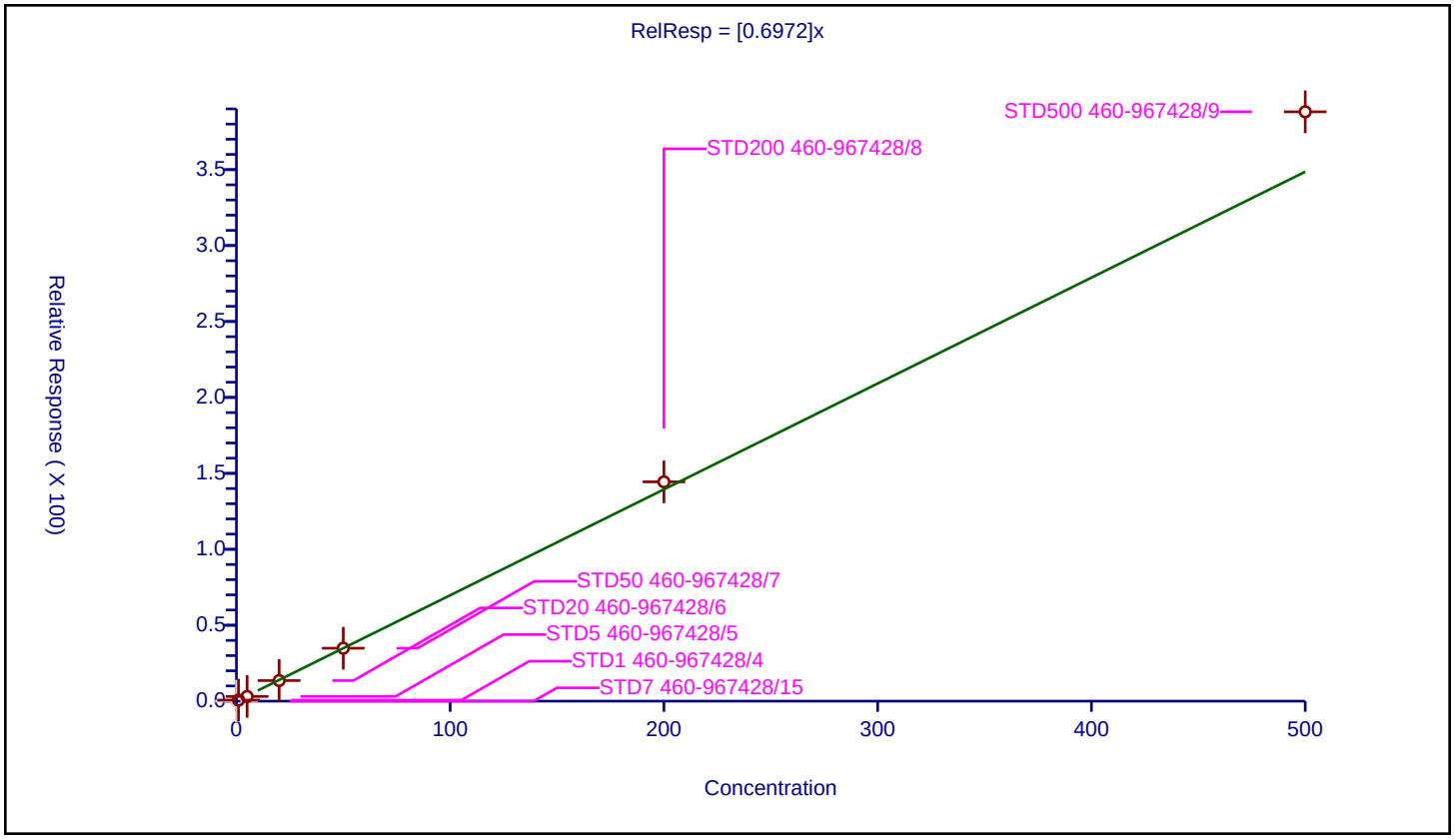
Curve Coefficients

Intercept:	0
Slope:	0.6972

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.691881	50.0	248164.0	0.691881	Y
3	STD5 460-967428/5	5.0	3.09452	50.0	251186.0	0.618904	Y
4	STD20 460-967428/6	20.0	13.540259	50.0	253747.0	0.677013	Y
5	STD50 460-967428/7	50.0	34.857526	50.0	255064.0	0.697151	Y
6	STD200 460-967428/8	200.0	144.410589	50.0	253694.0	0.722053	Y
7	STD500 460-967428/9	500.0	388.073368	50.0	254963.0	0.776147	Y



Calibration / Hexachlorobutadiene

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

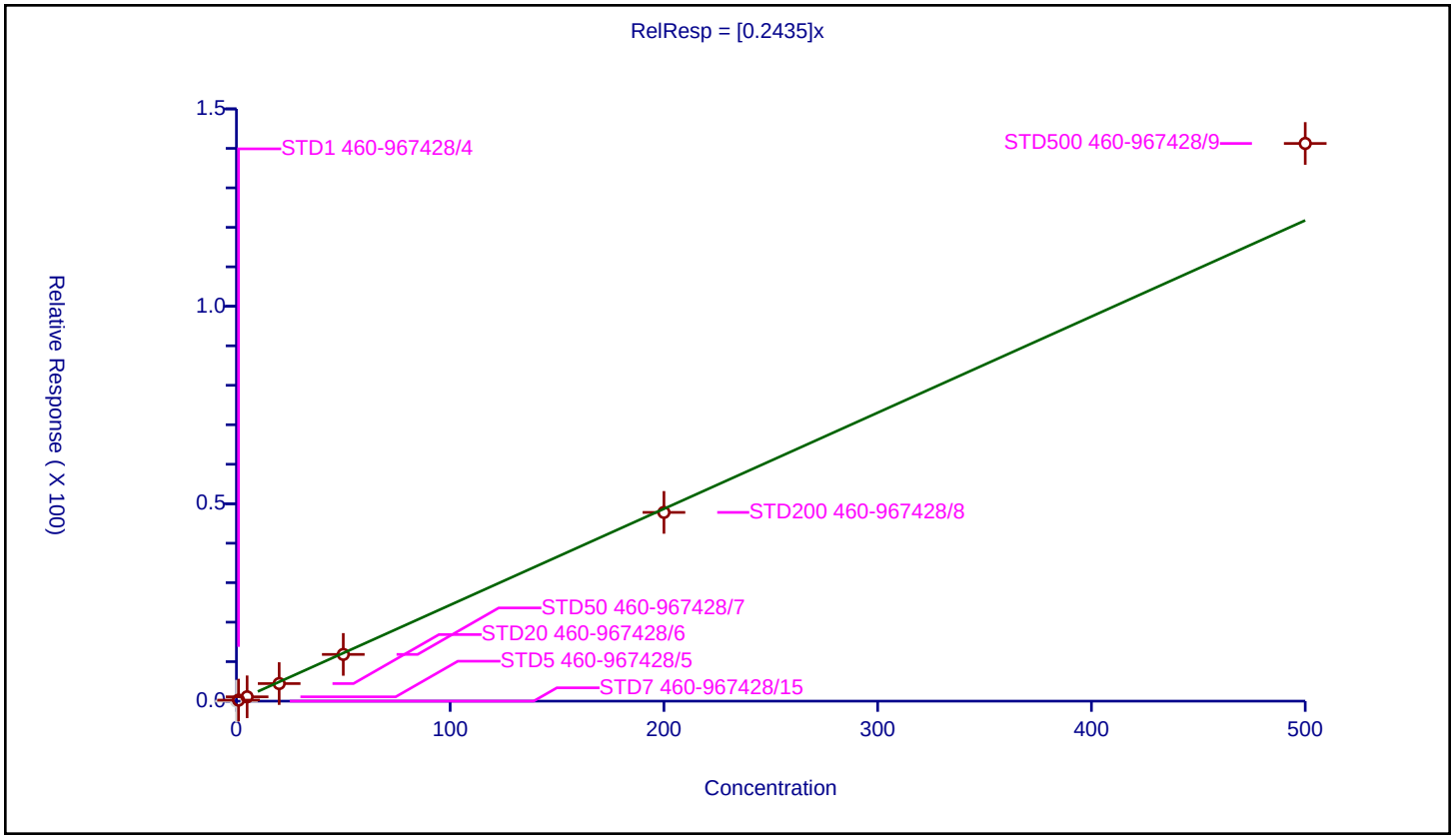
Curve Coefficients

Intercept:	0
Slope:	0.2435

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.261521	50.0	248164.0	0.261521	Y
3	STD5 460-967428/5	5.0	1.095802	50.0	251186.0	0.21916	Y
4	STD20 460-967428/6	20.0	4.446161	50.0	253747.0	0.222308	Y
5	STD50 460-967428/7	50.0	11.833501	50.0	255064.0	0.23667	Y
6	STD200 460-967428/8	200.0	47.8005	50.0	253694.0	0.239002	Y
7	STD500 460-967428/9	500.0	141.247161	50.0	254963.0	0.282494	Y



Calibration / Naphthalene

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

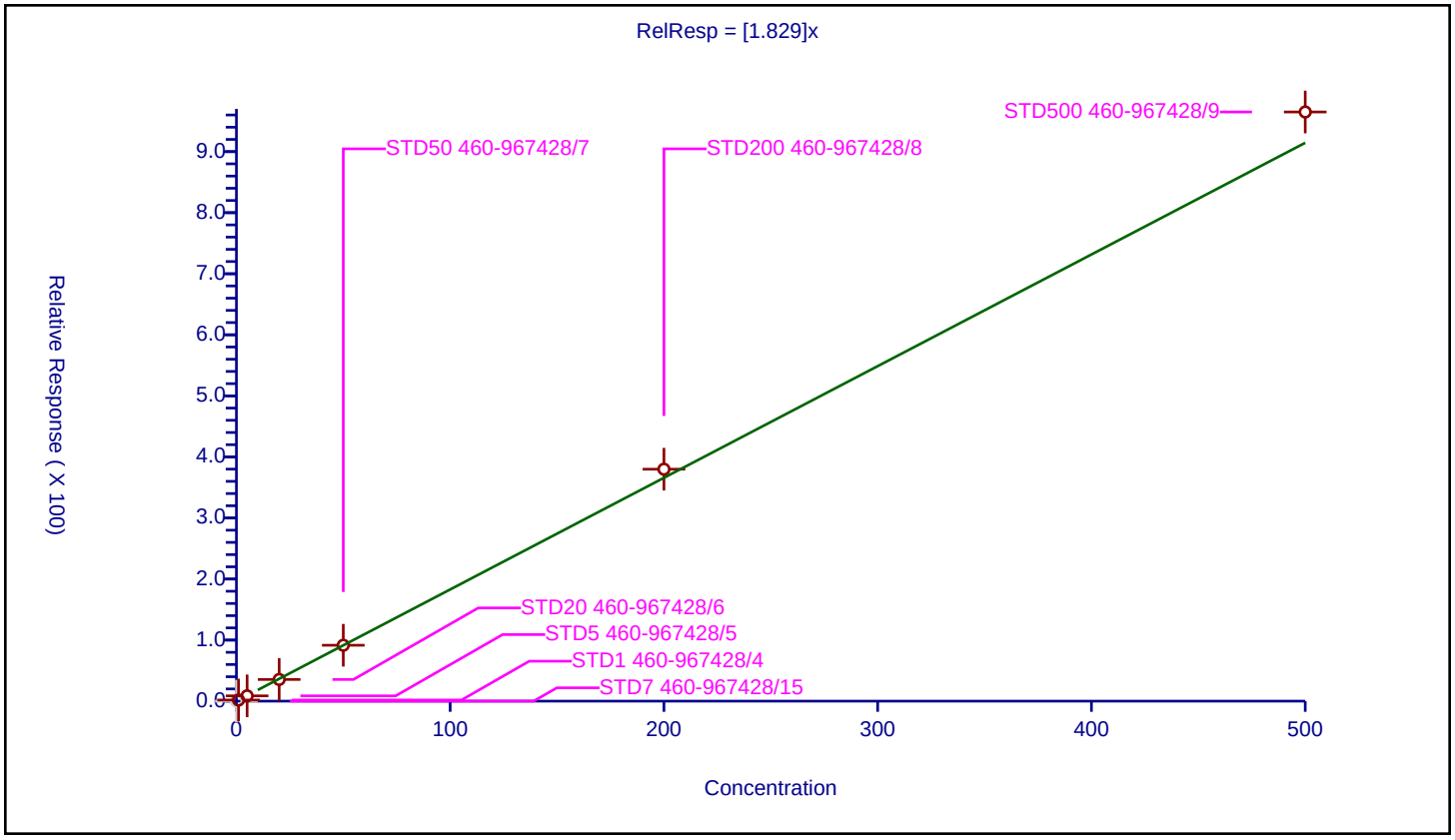
Curve Coefficients

Intercept:	0
Slope:	1.829

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	1.810698	50.0	248164.0	1.810698	Y
3	STD5 460-967428/5	5.0	8.643595	50.0	251186.0	1.728719	Y
4	STD20 460-967428/6	20.0	35.472538	50.0	253747.0	1.773627	Y
5	STD50 460-967428/7	50.0	91.539966	50.0	255064.0	1.830799	Y
6	STD200 460-967428/8	200.0	379.888764	50.0	253694.0	1.899444	Y
7	STD500 460-967428/9	500.0	964.934716	50.0	254963.0	1.929869	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

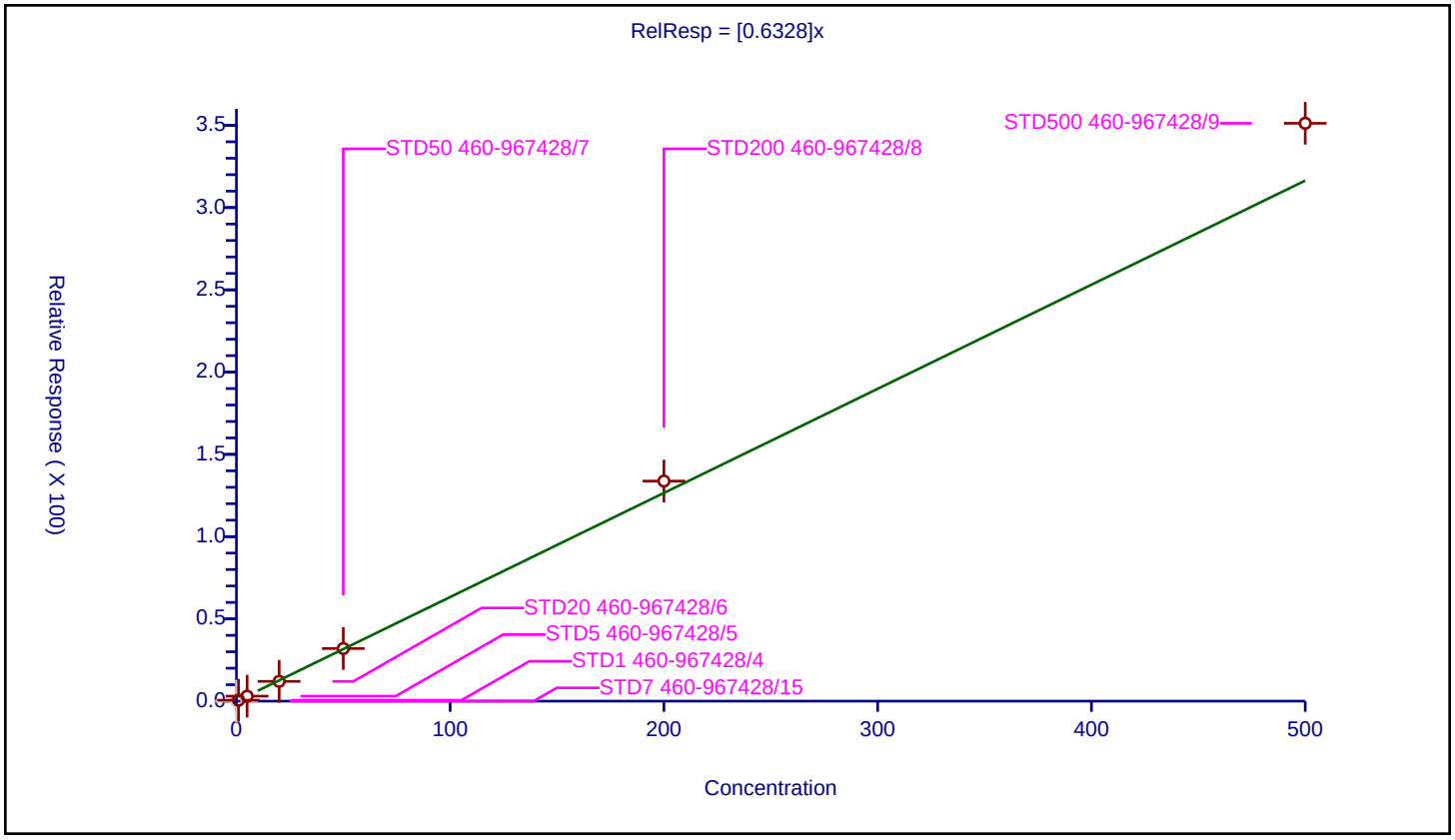
Curve Coefficients

Intercept:	0
Slope:	0.6328

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-967428/15	0.0	0.0	50.0	251907.0	NaN	N
2	STD1 460-967428/4	1.0	0.578045	50.0	248164.0	0.578045	Y
3	STD5 460-967428/5	5.0	3.032414	50.0	251186.0	0.606483	Y
4	STD20 460-967428/6	20.0	12.027728	50.0	253747.0	0.601386	Y
5	STD50 460-967428/7	50.0	31.982365	50.0	255064.0	0.639647	Y
6	STD200 460-967428/8	200.0	133.770014	50.0	253694.0	0.66885	Y
7	STD500 460-967428/9	500.0	351.237042	50.0	254963.0	0.702474	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967428/16 Calibration Date: 04/03/2024 22:57

Instrument ID: CVOAMS8 Calib Start Date: 04/03/2024 17:55

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/03/2024 22:32

Lab File ID: J02845.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
Chlorotrifluoroethene	Qua2		0.0167		19.4	20.0	-3.0	30.0
Dichlorodifluoromethane	Ave	0.2034	0.2032	0.1000	20.0	20.0	-0.1	30.0
Chloromethane	Ave	0.2549	0.2732	0.1000	21.4	20.0	7.1	30.0
Vinyl chloride	Ave	0.2175	0.2299	0.1000	21.1	20.0	5.7	30.0
Butadiene	Ave	0.2406	0.2292		19.0	20.0	-4.8	30.0
Bromomethane	Ave	0.1453	0.1467	0.1000	20.2	20.0	0.9	30.0
Chloroethane	Ave	0.1114	0.1152	0.1000	20.7	20.0	3.4	30.0
Dichlorofluoromethane	Ave	0.3407	0.3855		22.6	20.0	13.2	30.0
Trichlorofluoromethane	Ave	0.2774	0.3108	0.1000	22.4	20.0	12.0	30.0
Pentane	Ave	0.3025	0.1956		25.9	40.0	-35.3*	30.0
Ethanol	Ave	0.0404	0.0404		799	800	-0.0	30.0
Ethyl ether	Lin2		0.1459		18.7	20.0	-6.3	30.0
2-Methyl-1,3-butadiene	Ave	0.1719	0.1522		17.7	20.0	-11.5	30.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.1561	0.1606		20.6	20.0	2.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1885	0.1859	0.1000	19.7	20.0	-1.4	30.0
Acrolein	Ave	1.533	1.124		28.9	39.5	-26.7	30.0
1,1-Dichloroethene	Ave	0.1786	0.1593	0.1000	17.8	20.0	-10.8	30.0
Acetone	Ave	0.5325	0.4559	0.0500	85.6	100	-14.4	30.0
Iodomethane	Ave	0.2296	0.2102		18.3	20.0	-8.5	30.0
Isopropyl alcohol	Ave	0.5654	0.5001		177	200	-11.6	30.0
Carbon disulfide	Ave	0.7067	0.5286	0.1000	15.0	20.0	-25.2	30.0
3-Chloro-1-propene	Ave	0.1158	0.1066		18.4	20.0	-8.0	30.0
Methyl acetate	Ave	7.347	6.881	0.1000	37.5	40.0	-6.3	30.0
Cyclopentene	Ave	0.4123	0.3495		17.0	20.0	-15.2	30.0
Acetonitrile	Ave	1.261	1.359		216	200	7.8	30.0
Methylene Chloride	Ave	0.2027	0.1921	0.1000	19.0	20.0	-5.2	30.0
2-Methyl-2-propanol	Ave	0.7769	0.7249		187	200	-6.7	30.0
Methyl tert-butyl ether	Ave	0.4836	0.4196	0.1000	17.4	20.0	-13.2	30.0
trans-1,2-Dichloroethene	Ave	0.2152	0.1827	0.1000	17.0	20.0	-15.1	30.0
Acrylonitrile	Ave	3.999	3.879		194	200	-3.0	30.0
Hexane	Ave	0.1982	0.1186		12.0	20.0	-40.2*	30.0
Isopropyl ether	Ave	0.6859	0.6293		18.3	20.0	-8.3	30.0
1,1-Dichloroethane	Ave	0.4199	0.4301	0.2000	20.5	20.0	2.4	30.0
Vinyl acetate	Ave	0.3823	0.2114		22.1	40.0	-44.7*	30.0
2-Chloro-1,3-butadiene	Ave	0.1882	0.1774		18.9	20.0	-5.7	30.0
Tert-butyl ethyl ether	Ave	0.5998	0.5431		18.1	20.0	-9.5	30.0
2,2-Dichloropropane	Ave	0.1063	0.0902		17.0	20.0	-15.1	30.0
cis-1,2-Dichloroethene	Ave	0.2518	0.2279	0.1000	18.1	20.0	-9.5	30.0
2-Butanone (MEK)	Ave	0.2124	0.1755	0.0500	82.6	100	-17.4	30.0
Ethyl acetate	Ave	0.2007	0.1540		30.7	40.0	-23.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967428/16 Calibration Date: 04/03/2024 22:57

Instrument ID: CVOAMS8 Calib Start Date: 04/03/2024 17:55

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/03/2024 22:32

Lab File ID: J02845.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
Propionitrile	Ave	1.718	1.763		205	200	2.6	30.0
Chlorobromomethane	Ave	0.1164	0.1151		19.8	20.0	-1.1	30.0
Tetrahydrofuran	Ave	0.2133	0.1998		37.5	40.0	-6.3	30.0
Methacrylonitrile	Ave	0.0824	0.0813		197	200	-1.3	30.0
Chloroform	Ave	0.4100	0.4013	0.2000	19.6	20.0	-2.1	30.0
Cyclohexane	Ave	0.2821	0.2305	0.1000	16.3	20.0	-18.3	30.0
1,1,1-Trichloroethane	Ave	0.3274	0.3117	0.1000	19.0	20.0	-4.8	30.0
Carbon tetrachloride	Ave	0.2739	0.2511	0.1000	18.3	20.0	-8.3	30.0
1,1-Dichloropropene	Ave	0.2931	0.2507		17.1	20.0	-14.5	30.0
Isobutyl alcohol	Ave	0.6189	0.5068		409	500	-18.1	30.0
Benzene	Ave	1.271	1.041	0.5000	16.4	20.0	-18.1	30.0
Isopropyl acetate	Ave	0.5700	0.4898		17.2	20.0	-14.1	30.0
Tert-amyl methyl ether	Ave	0.1327	0.1215		18.3	20.0	-8.5	30.0
1,2-Dichloroethane	Ave	0.2800	0.2706	0.1000	19.3	20.0	-3.3	30.0
n-Heptane	Lin2		0.0603		14.2	20.0	-28.9	30.0
n-Butanol	Lin2		0.2185		499	500	-0.3	30.0
Trichloroethene	Ave	0.2350	0.2129	0.2000	18.1	20.0	-9.4	30.0
Methylcyclohexane	Ave	0.2612	0.2106	0.1000	16.1	20.0	-19.4	30.0
Ethyl acrylate	Ave	0.4644	0.3856		16.6	20.0	-17.0	30.0
1,2-Dichloropropane	Ave	0.2447	0.2230	0.1000	18.2	20.0	-8.9	30.0
Methyl methacrylate	Ave	0.0476	0.0414		34.8	40.0	-13.1	30.0
1,4-Dioxane	Ave	0.7694	0.6816		354	400	-11.4	30.0
Dibromomethane	Ave	0.1566	0.1491		19.0	20.0	-4.8	30.0
n-Propyl acetate	Ave	0.2949	0.2613		17.7	20.0	-11.4	30.0
Dichlorobromomethane	Ave	0.3019	0.3000	0.2000	19.9	20.0	-0.6	30.0
2-Nitropropane	Ave	3.324	2.949		35.5	40.0	-11.3	30.0
2-Chloroethyl vinyl ether	Ave	0.0870	0.0793		18.2	20.0	-8.8	30.0
Epichlorohydrin	Ave	0.1692	0.1642		19.4	20.0	-2.9	30.0
cis-1,3-Dichloropropene	Ave	0.5411	0.4130	0.2000	15.3	20.0	-23.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.758	1.796	0.0500	102	100	2.1	30.0
Toluene	Ave	1.212	1.035	0.4000	17.1	20.0	-14.6	30.0
trans-1,3-Dichloropropene	Ave	0.4759	0.4064	0.1000	17.1	20.0	-14.6	30.0
Ethyl methacrylate	Ave	0.2432	0.2309		19.0	20.0	-5.1	30.0
1,1,2-Trichloroethane	Ave	0.2551	0.2162	0.1000	17.0	20.0	-15.2	30.0
Tetrachloroethene	Ave	0.2936	0.2471	0.2000	16.8	20.0	-15.8	30.0
1,3-Dichloropropane	Ave	0.4379	0.3794		17.3	20.0	-13.4	30.0
2-Hexanone	Ave	0.6537	0.7284	0.0500	111	100	11.4	30.0
n-Butyl acetate	Ave	0.4223	0.3877		18.4	20.0	-8.2	30.0
Chlorodibromomethane	Ave	0.3311	0.2990	0.1000	18.1	20.0	-9.7	30.0
Ethylene Dibromide	Ave	0.3073	0.2673	0.1000	17.4	20.0	-13.0	30.0
Chlorobenzene	Ave	0.7515	0.7015	0.5000	18.7	20.0	-6.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967428/16 Calibration Date: 04/03/2024 22:57

Instrument ID: CVOAMS8 Calib Start Date: 04/03/2024 17:55

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/03/2024 22:32

Lab File ID: J02845.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
Ethylbenzene	Ave	0.3939	0.3560	0.1000	18.1	20.0	-9.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2837	0.2411		17.0	20.0	-15.0	30.0
m-Xylene & p-Xylene	Ave	0.4848	0.4418	0.1000	18.2	20.0	-8.9	30.0
o-Xylene	Ave	0.4657	0.4437	0.3000	19.1	20.0	-4.7	30.0
n-Butyl acrylate	Ave	0.2305	0.2252		19.5	20.0	-2.3	30.0
Styrene	Ave	0.8041	0.7645	0.3000	19.0	20.0	-4.9	30.0
Bromoform	Ave	0.2273	0.2052	0.1000	18.1	20.0	-9.7	30.0
Amyl acetate (mixed isomers)	Ave	1.015	0.9693		19.1	20.0	-4.5	30.0
Isopropylbenzene	Ave	1.007	1.032	0.1000	20.5	20.0	2.5	30.0
Bromobenzene	Ave	0.6536	0.6027		18.4	20.0	-7.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6829	0.6051	0.3000	17.7	20.0	-11.4	30.0
N-Propylbenzene	Ave	2.477	2.305		18.6	20.0	-6.9	30.0
1,2,3-Trichloropropane	Ave	0.1567	0.1503		19.2	20.0	-4.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1989	0.1715		17.2	20.0	-13.8	30.0
2-Chlorotoluene	Ave	1.778	1.653		18.6	20.0	-7.0	30.0
4-Ethyltoluene	Ave	2.074	1.967		19.0	20.0	-5.2	30.0
1,3,5-Trimethylbenzene	Ave	1.733	1.588		18.3	20.0	-8.4	30.0
4-Chlorotoluene	Ave	1.710	1.540		18.0	20.0	-9.9	30.0
Butyl Methacrylate	Ave	0.7133	0.6655		18.7	20.0	-6.7	30.0
tert-Butylbenzene	Ave	1.343	1.268		18.9	20.0	-5.6	30.0
1,2,4-Trimethylbenzene	Ave	1.819	1.646		18.1	20.0	-9.5	30.0
sec-Butylbenzene	Ave	1.945	1.829		18.8	20.0	-5.9	30.0
1,3-Dichlorobenzene	Ave	1.101	0.9917	0.6000	18.0	20.0	-9.9	30.0
4-Isopropyltoluene	Ave	1.685	1.451		17.2	20.0	-13.9	30.0
1,4-Dichlorobenzene	Ave	1.147	1.055	0.5000	18.4	20.0	-8.0	30.0
Benzyl chloride	Ave	1.230	0.9943		16.2	20.0	-19.2	30.0
Indan	Ave	1.920	1.878		19.6	20.0	-2.2	30.0
p-Diethylbenzene	Ave	0.9776	0.9303		19.0	20.0	-4.8	30.0
n-Butylbenzene	Ave	0.8267	0.7012		17.0	20.0	-15.2	30.0
1,2-Dichlorobenzene	Ave	1.085	0.9885	0.4000	18.2	20.0	-8.9	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.664	1.568		18.9	20.0	-5.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1558	0.1335	0.0500	17.1	20.0	-14.3	30.0
1,3,5-Trichlorobenzene	Ave	0.7337	0.6628		18.1	20.0	-9.7	30.0
1,2,4-Trichlorobenzene	Ave	0.6972	0.6064	0.2000	17.4	20.0	-13.0	30.0
Hexachlorobutadiene	Ave	0.2435	0.2026		16.6	20.0	-16.8	30.0
Naphthalene	Ave	1.829	1.685		18.4	20.0	-7.9	30.0
1,2,3-Trichlorobenzene	Ave	0.6328	0.5533		17.5	20.0	-12.6	30.0
Dibromofluoromethane (Surr)	Ave	0.2560	0.2687		52.5	50.0	4.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2637	0.2700		51.2	50.0	2.4	30.0
Toluene-d8 (Surr)	Ave	1.154	1.108		48.0	50.0	-4.0	30.0
4-Bromofluorobenzene	Ave	0.3654	0.3744		51.2	50.0	2.5	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02845.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 03-Apr-2024 22:57:30 ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0174171-016
Operator ID: Instrument ID: CVOAMS8
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 04-Apr-2024 12:22:28 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1641

First Level Reviewer: NN6A Date: 04-Apr-2024 12:23:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.128	1.125	0.003	95	4275	20.0	19.4	
4 Dichlorodifluoromethane	85	1.152	1.150	0.002	99	52123	20.0	20.0	
5 Chlorodifluoromethane	67	1.170	1.168	0.002	99	7320	20.0	17.1	
6 Chloromethane	50	1.280	1.277	0.003	99	70073	20.0	21.4	
7 Vinyl chloride	62	1.341	1.338	0.003	98	58983	20.0	21.1	
8 Butadiene	54	1.353	1.350	0.003	98	58789	20.0	19.0	
9 Bromomethane	94	1.548	1.545	0.003	99	37630	20.0	20.2	
10 Chloroethane	64	1.602	1.600	0.002	99	29543	20.0	20.7	
12 Dichlorofluoromethane	67	1.724	1.721	0.003	99	98894	20.0	22.6	
11 Trichlorofluoromethane	101	1.730	1.727	0.003	99	79735	20.0	22.4	
13 Pentane	43	1.760	1.758	0.002	96	100370	40.0	25.9	
14 Ethanol	46	1.864	1.855	0.009	95	6817	800.0	799.3	
15 Ethyl ether	59	1.900	1.898	0.002	96	37435	20.0	18.7	
16 2-Methyl-1,3-butadiene	53	1.919	1.916	0.003	97	39033	20.0	17.7	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.931	1.928	0.003	96	41189	20.0	20.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.967	1.965	0.002	97	81619	20.0	22.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.022	2.019	0.003	98	47699	20.0	19.7	
19 Acrolein	56	2.034	2.026	0.008	95	9371	39.5	28.9	
21 1,1-Dichloroethene	96	2.059	2.056	0.003	98	40868	20.0	17.8	
22 Acetone	43	2.119	2.117	0.002	85	59944	100.0	85.6	
23 Iodomethane	142	2.174	2.172	0.002	96	53918	20.0	18.3	
25 Isopropyl alcohol	45	2.180	2.178	0.002	54	21117	200.0	176.9	
24 Carbon disulfide	76	2.205	2.202	0.003	100	135593	20.0	15.0	
26 3-Chloro-1-propene	76	2.296	2.293	0.003	96	27344	20.0	18.4	
28 Methyl acetate	43	2.302	2.299	0.003	100	58111	40.0	37.5	
27 Cyclopentene	67	2.314	2.311	0.003	95	89655	20.0	17.0	
29 Acetonitrile	41	2.344	2.342	0.002	98	57392	200.0	215.6	
* 30 TBA-d9 (IS)	65	2.381	2.372	0.009	77	211140	1000.0	1000.0	
31 Methylene Chloride	84	2.399	2.397	0.002	95	49290	20.0	19.0	
32 2-Methyl-2-propanol	59	2.436	2.433	0.003	99	30612	200.0	186.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.521	2.512	0.009	97	107630	20.0	17.4	
34 trans-1,2-Dichloroethene	96	2.545	2.543	0.002	96	46881	20.0	17.0	
35 Acrylonitrile	53	2.600	2.597	0.003	93	163823	200.0	194.0	
36 Hexane	57	2.667	2.664	0.003	92	30429	20.0	12.0	
37 Isopropyl ether	45	2.837	2.835	0.002	98	161430	20.0	18.3	
38 1,1-Dichloroethane	63	2.874	2.865	0.009	99	110341	20.0	20.5	
39 Vinyl acetate	43	2.880	2.877	0.003	100	108465	40.0	22.1	
40 2-Chloro-1,3-butadiene	88	2.910	2.908	0.002	91	45518	20.0	18.9	
41 Tert-butyl ethyl ether	59	3.105	3.102	0.003	88	139326	20.0	18.1	
* 43 2-Butanone-d5	46	3.281	3.279	0.002	98	328710	250.0	250.0	
42 2,2-Dichloropropane	79	3.293	3.285	0.008	95	23149	20.0	17.0	
44 cis-1,2-Dichloroethene	96	3.318	3.315	0.003	97	58457	20.0	18.1	
46 2-Butanone (MEK)	72	3.336	3.327	0.009	95	23071	100.0	82.6	
45 Ethyl acetate	70	3.336	3.333	0.003	96	8098	40.0	30.7	
47 Methyl acrylate	55	3.385	3.382	0.003	100	37445	20.0	17.1	
48 Propionitrile	54	3.452	3.443	0.009	98	74436	200.0	205.3	
50 Chlorobromomethane	128	3.519	3.516	0.003	94	29534	20.0	19.8	
49 Tetrahydrofuran	72	3.525	3.522	0.003	94	10510	40.0	37.5	
51 Methacrylonitrile	67	3.543	3.540	0.003	94	208589	200.0	197.4	
52 Chloroform	83	3.567	3.565	0.002	98	102947	20.0	19.6	
53 Cyclohexane	84	3.683	3.680	0.003	95	59128	20.0	16.3	
54 1,1,1-Trichloroethane	97	3.695	3.692	0.003	99	79952	20.0	19.0	
$ 55 Dibromofluoromethane (Surr)	113	3.713	3.705	0.008	96	172308	50.0	52.5	
56 Carbon tetrachloride	117	3.805	3.802	0.002	97	64408	20.0	18.3	
57 1,1-Dichloropropene	75	3.835	3.832	0.003	97	64319	20.0	17.1	
58 Isobutyl alcohol	43	3.969	3.966	0.003	94	53504	500.0	409.5	
59 Isooctane	57	3.993	3.984	0.009	98	84269	20.0	17.4	a
60 Benzene	78	4.024	4.015	0.009	96	201315	20.0	16.4	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.036	4.033	0.003	0	173147	50.0	51.2	
62 Isopropyl acetate	43	4.078	4.076	0.002	92	125643	20.0	17.2	
63 Tert-amyl methyl ether	55	4.084	4.082	0.002	81	31164	20.0	18.3	
64 1,2-Dichloroethane	62	4.109	4.106	0.003	95	69418	20.0	19.3	
65 n-Heptane	57	4.163	4.167	-0.004	96	15480	20.0	14.2	
* 66 Fluorobenzene	96	4.297	4.295	0.002	98	641340	50.0	50.0	
67 n-Butanol	56	4.638	4.629	0.009	93	23062	500.0	498.7	
68 Trichloroethene	95	4.644	4.641	0.003	99	54629	20.0	18.1	
69 Methylcyclohexane	83	4.760	4.757	0.003	92	54015	20.0	16.1	
70 Ethyl acrylate	55	4.772	4.769	0.003	97	98911	20.0	16.6	
71 1,2-Dichloropropane	63	4.936	4.927	0.009	93	57216	20.0	18.2	
* 72 1,4-Dioxane-d8	96	5.003	5.000	0.003	0	32862	1000.0	1000.0	
73 Methyl methacrylate	100	5.021	5.019	0.002	95	21238	40.0	34.8	
75 1,4-Dioxane	88	5.058	5.055	0.003	45	8960	400.0	354.4	
74 Dibromomethane	93	5.064	5.061	0.003	98	38262	20.0	19.0	
76 n-Propyl acetate	43	5.088	5.079	0.009	97	67038	20.0	17.7	
77 Dichlorobromomethane	83	5.228	5.219	0.009	99	76973	20.0	19.9	
78 2-Nitropropane	41	5.575	5.572	0.003	97	24905	40.0	35.5	
79 2-Chloroethyl vinyl ether	63	5.593	5.584	0.009	91	20353	20.0	18.2	
80 Epichlorohydrin	57	5.703	5.688	0.015	91	4318	20.0	19.4	
81 cis-1,3-Dichloropropene	75	5.751	5.749	0.002	94	79848	20.0	15.3	
82 4-Methyl-2-pentanone (MIBK)	43	5.934	5.925	0.009	98	236103	100.0	102.1	
$ 83 Toluene-d8 (Surr)	98	6.007	5.998	0.009	99	535651	50.0	48.0	
84 Toluene	91	6.086	6.083	0.003	93	200039	20.0	17.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.487	6.485	0.002	97	78565	20.0	17.1	
86 Ethyl methacrylate	69	6.536	6.527	0.009	93	59238	20.0	19.0	
87 1,1,2-Trichloroethane	83	6.718	6.710	0.008	97	41804	20.0	17.0	
88 Tetrachloroethene	166	6.749	6.746	0.003	99	47768	20.0	16.8	
89 1,3-Dichloropropane	76	6.950	6.941	0.009	98	73356	20.0	17.3	
90 2-Hexanone	58	7.041	7.032	0.009	98	95768	100.0	111.4	
91 n-Butyl acetate	43	7.187	7.178	0.009	98	74952	20.0	18.4	
92 Chlorodibromomethane	129	7.205	7.196	0.009	98	57811	20.0	18.1	
93 Ethylene Dibromide	107	7.363	7.361	0.002	98	51678	20.0	17.4	
* 94 Chlorobenzene-d5	117	7.960	7.951	0.009	87	483323	50.0	50.0	
95 Chlorobenzene	112	7.996	7.987	0.009	95	135623	20.0	18.7	
96 Ethylbenzene	106	8.106	8.103	0.002	99	68821	20.0	18.1	
97 1,1,1,2-Tetrachloroethane	131	8.118	8.115	0.003	97	46611	20.0	17.0	
98 m-Xylene & p-Xylene	106	8.258	8.249	0.009	0	85417	20.0	18.2	
99 o-Xylene	106	8.714	8.705	0.009	94	85771	20.0	19.1	
100 n-Butyl acrylate	73	8.732	8.730	0.002	96	43538	20.0	19.5	
101 Styrene	104	8.744	8.742	0.002	94	147798	20.0	19.0	
103 Bromoform	173	8.963	8.955	0.008	97	39662	20.0	18.1	
102 Amyl acetate (mixed isomers)	43	8.982	8.973	0.009	88	100350	20.0	19.1	
104 Isopropylbenzene	105	9.097	9.088	0.009	96	199509	20.0	20.5	
$ 105 4-Bromofluorobenzene	174	9.298	9.289	0.009	95	180959	50.0	51.2	
106 Bromobenzene	156	9.420	9.417	0.003	96	62398	20.0	18.4	
107 1,1,2,2-Tetrachloroethane	83	9.493	9.490	0.003	98	62648	20.0	17.7	
108 N-Propylbenzene	91	9.505	9.502	0.003	99	238636	20.0	18.6	
109 1,2,3-Trichloropropane	110	9.529	9.526	0.003	98	15559	20.0	19.2	
110 trans-1,4-Dichloro-2-butene	53	9.553	9.551	0.002	94	17758	20.0	17.2	a
111 2-Chlorotoluene	91	9.602	9.599	0.003	97	171090	20.0	18.6	
112 4-Ethyltoluene	105	9.620	9.612	0.008	98	203620	20.0	19.0	
113 1,3,5-Trimethylbenzene	105	9.687	9.679	0.008	93	164364	20.0	18.3	
114 4-Chlorotoluene	91	9.712	9.709	0.003	98	159455	20.0	18.0	
115 Butyl Methacrylate	87	9.803	9.800	0.003	93	68896	20.0	18.7	
116 tert-Butylbenzene	119	9.961	9.958	0.003	93	131241	20.0	18.9	
117 1,2,4-Trimethylbenzene	105	10.022	10.019	0.003	98	170364	20.0	18.1	
118 sec-Butylbenzene	105	10.162	10.153	0.009	99	189402	20.0	18.8	
120 1,3-Dichlorobenzene	146	10.283	10.281	0.002	96	102668	20.0	18.0	
119 4-Isopropyltoluene	119	10.289	10.287	0.002	98	150243	20.0	17.2	
* 121 1,4-Dichlorobenzene-d4	152	10.350	10.342	0.008	95	258825	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.369	10.366	0.003	96	109235	20.0	18.4	
123 1,2,3-Trimethylbenzene	105	10.387	10.384	0.003	99	188043	20.0	18.4	
124 Benzyl chloride	91	10.496	10.494	0.002	98	102938	20.0	16.2	
125 2,3-Dihydroindene	117	10.551	10.548	0.003	95	194405	20.0	19.6	
126 p-Diethylbenzene	119	10.612	10.609	0.003	91	96315	20.0	19.0	
127 n-Butylbenzene	92	10.636	10.628	0.008	97	72598	20.0	17.0	
128 1,2-Dichlorobenzene	146	10.679	10.676	0.003	97	102336	20.0	18.2	
129 1,2,4,5-Tetramethylbenzene	119	11.238	11.236	0.002	97	162346	20.0	18.9	
130 1,2-Dibromo-3-Chloropropane	157	11.324	11.315	0.009	96	13820	20.0	17.1	
131 1,3,5-Trichlorobenzene	180	11.433	11.424	0.009	97	68615	20.0	18.1	
132 1,2,4-Trichlorobenzene	180	11.908	11.905	0.003	94	62777	20.0	17.4	
133 Hexachlorobutadiene	225	11.987	11.984	0.003	96	20978	20.0	16.6	
134 Naphthalene	128	12.090	12.088	0.002	99	174444	20.0	18.4	
135 1,2,3-Trichlorobenzene	180	12.267	12.258	0.009	96	57285	20.0	17.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	35.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	37.3	
S 138 Total BTEX	1				0		100.0	88.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

7 Freons SS_00012	Amount Added: 20.00	Units: uL		
GAS C SP_00561	Amount Added: 20.00	Units: uL		
8260 SP_00178	Amount Added: 20.00	Units: uL		
ACROLEIN SP_00163	Amount Added: 4.00	Units: uL		
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 04-Apr-2024 12:23:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02845.D

Injection Date: 03-Apr-2024 22:57:30 Instrument ID: CVOAMS8 Operator ID:

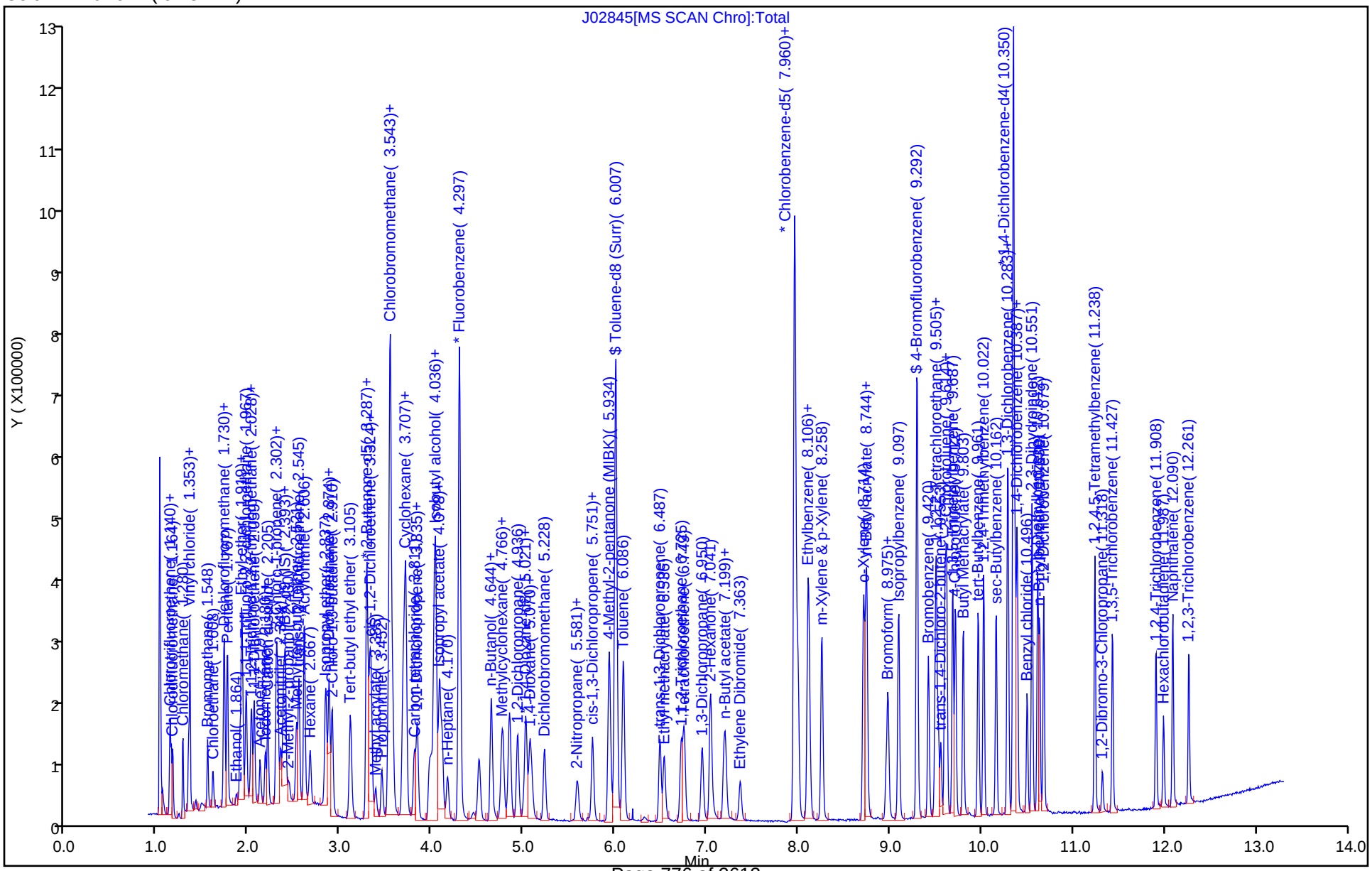
Lims ID: ICV Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 11

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

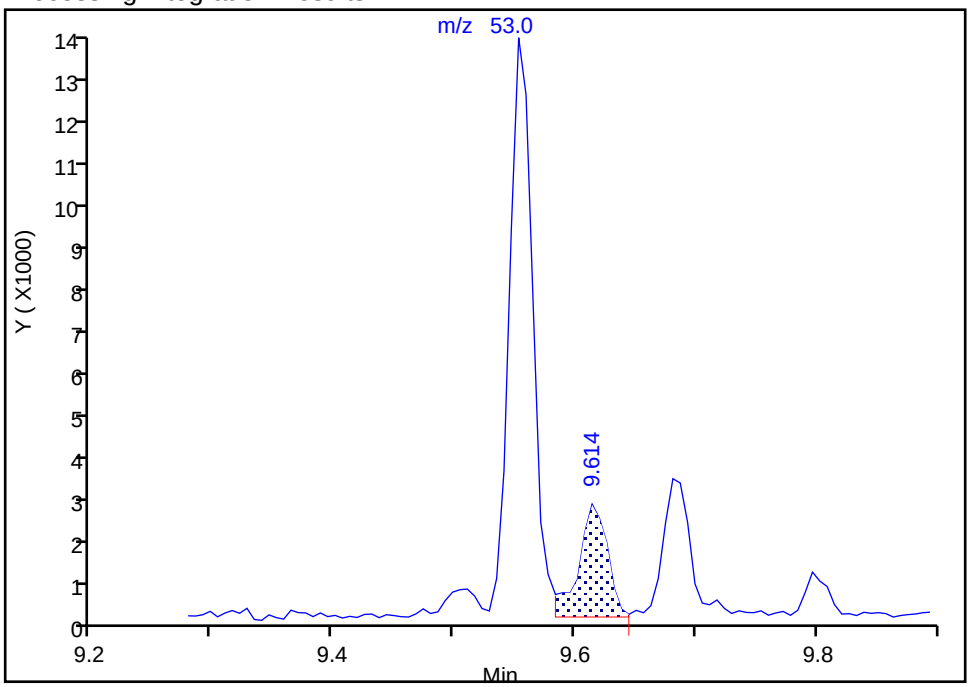
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Injection Date: 03-Apr-2024 22:57:30 Instrument ID: CVOAMS8
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

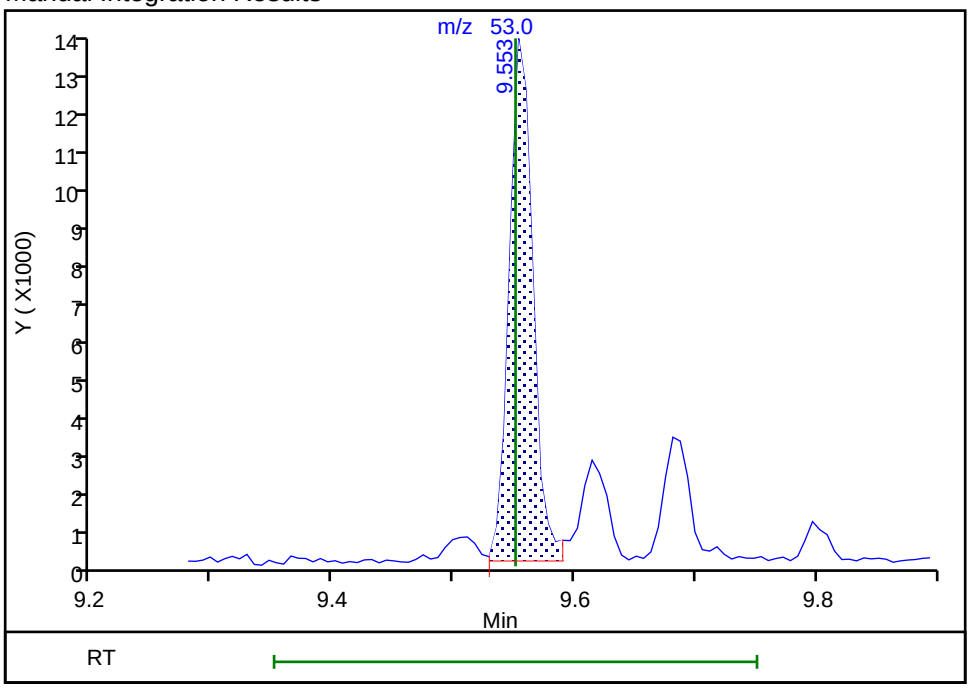
Processing Integration Results

RT: 9.61
Area: 4277
Amount: 4.154285
Amount Units: ug/l



Manual Integration Results

RT: 9.55
Area: 17758
Amount: 17.248492
Amount Units: ug/l



Reviewer: W9CM, 04-Apr-2024 11:01:22 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-975195/3 | Calibration Date: 05/16/2024 08:38

Instrument ID: CVOAMS8 | Calib Start Date: 04/03/2024 17:55

GC Column: Rtx-624 ID: 0.25(mm) | Calib End Date: 04/03/2024 22:32

Lab File ID: J04412.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
Chlorotrifluoroethene	Qua2		0.0153		17.8	20.0	-10.9	20.0
Dichlorodifluoromethane	Ave	0.2034	0.2152	0.1000	21.2	20.0	5.8	20.0
Chloromethane	Ave	0.2549	0.2779	0.1000	21.8	20.0	9.0	20.0
Vinyl chloride	Ave	0.2175	0.2360	0.1000	21.7	20.0	8.5	20.0
Butadiene	Ave	0.2406	0.2251		18.7	20.0	-6.5	20.0
Bromomethane	Ave	0.1453	0.1713	0.1000	23.6	20.0	17.9	50.0
Chloroethane	Ave	0.1114	0.1206	0.1000	21.7	20.0	8.3	50.0
Dichlorofluoromethane	Ave	0.3407	0.4090		24.0	20.0	20.1*	20.0
Trichlorofluoromethane	Ave	0.2774	0.3249	0.1000	23.4	20.0	17.1	20.0
Pentane	Ave	0.3025	0.3160		41.8	40.0	4.5	20.0
Ethanol	Ave	0.0404	0.0487		965	800	20.6	50.0
Ethyl ether	Lin2		0.1607		20.7	20.0	3.6	20.0
2-Methyl-1,3-butadiene	Ave	0.1719	0.1835		21.3	20.0	6.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.1561	0.1679		21.5	20.0	7.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1885	0.2095	0.1000	22.2	20.0	11.1	20.0
Acrolein	Ave	1.533	1.583		41.3	40.0	3.3	50.0
1,1-Dichloroethene	Ave	0.1786	0.2040	0.1000	22.8	20.0	14.2	20.0
Acetone	Ave	0.5325	0.5069	0.0500	95.2	100	-4.8	50.0
Iodomethane	Ave	0.2296	0.2310		20.1	20.0	0.6	20.0
Isopropyl alcohol	Ave	0.5654	0.6103		216	200	7.9	50.0
Carbon disulfide	Ave	0.7067	0.7344	0.1000	20.8	20.0	3.9	50.0
3-Chloro-1-propene	Ave	0.1158	0.1233		21.3	20.0	6.4	20.0
Methyl acetate	Ave	7.347	8.660	0.1000	47.1	40.0	17.9	20.0
Cyclopentene	Ave	0.4123	0.4456		21.6	20.0	8.1	20.0
Acetonitrile	Ave	1.261	1.531		243	200	21.5*	20.0
Methylene Chloride	Ave	0.2027	0.2397	0.1000	23.7	20.0	18.3	20.0
2-Methyl-2-propanol	Ave	0.7769	0.8066		208	200	3.8	50.0
Methyl tert-butyl ether	Ave	0.4836	0.4885	0.1000	20.2	20.0	1.0	20.0
trans-1,2-Dichloroethene	Ave	0.2152	0.2297	0.1000	21.4	20.0	6.8	20.0
Acrylonitrile	Ave	3.999	4.326		216	200	8.2	20.0
Hexane	Ave	0.1982	0.2184		22.0	20.0	10.2	20.0
Isopropyl ether	Ave	0.6859	0.6780		19.8	20.0	-1.2	20.0
1,1-Dichloroethane	Ave	0.4199	0.4430	0.2000	21.1	20.0	5.5	20.0
Vinyl acetate	Ave	0.3823	0.4318		45.2	40.0	12.9	20.0
2-Chloro-1,3-butadiene	Ave	0.1882	0.1825		19.4	20.0	-3.0	20.0
Tert-butyl ethyl ether	Ave	0.5998	0.5821		19.4	20.0	-3.0	20.0
2,2-Dichloropropane	Ave	0.1063	0.1047		19.7	20.0	-1.6	20.0
cis-1,2-Dichloroethene	Ave	0.2518	0.2504	0.1000	19.9	20.0	-0.6	20.0
2-Butanone (MEK)	Ave	0.2124	0.2001	0.0500	94.2	100	-5.8	50.0
Ethyl acetate	Ave	0.2007	0.1879		37.5	40.0	-6.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-975195/3 Calibration Date: 05/16/2024 08:38

Instrument ID: CVOAMS8 Calib Start Date: 04/03/2024 17:55

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/03/2024 22:32

Lab File ID: J04412.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
Propionitrile	Ave	1.718	1.732		202	200	0.8	20.0
Chlorobromomethane	Ave	0.1164	0.1227		21.1	20.0	5.4	20.0
Tetrahydrofuran	Ave	0.2133	0.2153		40.4	40.0	0.9	20.0
Methacrylonitrile	Ave	0.0824	0.0800		194	200	-2.9	20.0
Chloroform	Ave	0.4100	0.4311	0.2000	21.0	20.0	5.2	20.0
Cyclohexane	Ave	0.2821	0.2590	0.1000	18.4	20.0	-8.2	50.0
1,1,1-Trichloroethane	Ave	0.3274	0.3135	0.1000	19.2	20.0	-4.2	20.0
Carbon tetrachloride	Ave	0.2739	0.2508	0.1000	18.3	20.0	-8.5	20.0
1,1-Dichloropropene	Ave	0.2931	0.2872		19.6	20.0	-2.0	20.0
Isobutyl alcohol	Ave	0.6189	0.5656		457	500	-8.6	50.0
Benzene	Ave	1.271	1.279	0.5000	20.1	20.0	0.7	20.0
Isopropyl acetate	Ave	0.5700	0.5025		17.6	20.0	-11.8	20.0
Tert-amyl methyl ether	Ave	0.1327	0.1397		21.0	20.0	5.2	20.0
1,2-Dichloroethane	Ave	0.2800	0.2777	0.1000	19.8	20.0	-0.8	20.0
n-Heptane	Lin2		0.0849		20.3	20.0	1.3	20.0
Trichloroethene	Ave	0.2350	0.2161	0.2000	18.4	20.0	-8.0	20.0
n-Butanol	Lin2		0.1153		287	500	-42.6	50.0
Methylcyclohexane	Ave	0.2612	0.2570	0.1000	19.7	20.0	-1.6	50.0
Ethyl acrylate	Ave	0.4644	0.4093		17.6	20.0	-11.9	20.0
1,2-Dichloropropane	Ave	0.2447	0.2248	0.1000	18.4	20.0	-8.1	20.0
Methyl methacrylate	Ave	0.0476	0.0387		32.5	40.0	-18.7	20.0
1,4-Dioxane	Ave	0.7694	0.8585		446	400	11.6	50.0
Dibromomethane	Ave	0.1566	0.1519		19.4	20.0	-3.0	20.0
n-Propyl acetate	Ave	0.2949	0.2351		15.9	20.0	-20.3*	20.0
Dichlorobromomethane	Ave	0.3019	0.2833	0.2000	18.8	20.0	-6.1	20.0
2-Nitropropane	Ave	3.324	2.164		26.0	40.0	-34.9*	20.0
2-Chloroethyl vinyl ether	Ave	0.0870	0.0813		18.7	20.0	-6.5	20.0
Epichlorohydrin	Ave	0.1692	0.1145		271	400	-32.3*	20.0
cis-1,3-Dichloropropene	Ave	0.5411	0.4992	0.2000	18.5	20.0	-7.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.758	1.516	0.0500	86.2	100	-13.8	50.0
Toluene	Ave	1.212	1.166	0.4000	19.2	20.0	-3.8	20.0
trans-1,3-Dichloropropene	Ave	0.4759	0.4195	0.1000	17.6	20.0	-11.9	50.0
Ethyl methacrylate	Ave	0.2432	0.1969		16.2	20.0	-19.0	20.0
1,1,2-Trichloroethane	Ave	0.2551	0.2581	0.1000	20.2	20.0	1.2	20.0
Tetrachloroethene	Ave	0.2936	0.2771	0.2000	18.9	20.0	-5.6	20.0
1,3-Dichloropropane	Ave	0.4379	0.4472		20.4	20.0	2.1	20.0
2-Hexanone	Ave	0.6537	0.5284	0.0500	80.8	100	-19.2	50.0
n-Butyl acetate	Ave	0.4223	0.3671		17.4	20.0	-13.1	20.0
Chlorodibromomethane	Ave	0.3311	0.3053	0.1000	18.4	20.0	-7.8	50.0
Ethylene Dibromide	Ave	0.3073	0.2992	0.1000	19.5	20.0	-2.6	20.0
Chlorobenzene	Ave	0.7515	0.7569	0.5000	20.1	20.0	0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-975195/3 Calibration Date: 05/16/2024 08:38

Instrument ID: CVOAMS8 Calib Start Date: 04/03/2024 17:55

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/03/2024 22:32

Lab File ID: J04412.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
Ethylbenzene	Ave	0.3939	0.3660	0.1000	18.6	20.0	-7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2837	0.2626		18.5	20.0	-7.5	20.0
m-Xylene & p-Xylene	Ave	0.4848	0.4460	0.1000	18.4	20.0	-8.0	20.0
o-Xylene	Ave	0.4657	0.4201	0.3000	18.0	20.0	-9.8	20.0
n-Butyl acrylate	Ave	0.2305	0.1577		13.7	20.0	-31.6*	20.0
Styrene	Ave	0.8041	0.7247	0.3000	18.0	20.0	-9.9	20.0
Bromoform	Ave	0.2273	0.1640	0.1000	14.4	20.0	-27.8*	20.0
Amyl acetate (mixed isomers)	Ave	1.015	0.7289		14.4	20.0	-28.2*	20.0
Isopropylbenzene	Ave	1.007	0.9544	0.1000	19.0	20.0	-5.2	20.0
Bromobenzene	Ave	0.6536	0.6257		19.1	20.0	-4.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6829	0.7300	0.3000	21.4	20.0	6.9	20.0
N-Propylbenzene	Ave	2.477	2.619		21.2	20.0	5.8	20.0
1,2,3-Trichloropropane	Ave	0.1567	0.1569		20.0	20.0	0.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1989	0.1693		17.0	20.0	-14.9	20.0
2-Chlorotoluene	Ave	1.778	1.899		21.4	20.0	6.8	20.0
4-Ethyltoluene	Ave	2.074	2.143		20.7	20.0	3.3	20.0
1,3,5-Trimethylbenzene	Ave	1.733	1.761		20.3	20.0	1.6	20.0
4-Chlorotoluene	Ave	1.710	1.766		20.7	20.0	3.3	20.0
Butyl Methacrylate	Ave	0.7133	0.5209		14.6	20.0	-27.0*	20.0
tert-Butylbenzene	Ave	1.343	1.375		20.5	20.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	1.819	1.835		20.2	20.0	0.9	20.0
sec-Butylbenzene	Ave	1.945	2.222		22.8	20.0	14.2	20.0
1,3-Dichlorobenzene	Ave	1.101	1.100	0.6000	20.0	20.0	-0.0	20.0
4-Isopropyltoluene	Ave	1.685	1.749		20.8	20.0	3.8	20.0
1,4-Dichlorobenzene	Ave	1.147	1.133	0.5000	19.8	20.0	-1.2	20.0
Benzyl chloride	Ave	1.230	0.9620		15.6	20.0	-21.8	50.0
Indan	Ave	1.920	1.955		20.4	20.0	1.8	20.0
p-Diethylbenzene	Ave	0.9776	1.023		20.9	20.0	4.6	20.0
n-Butylbenzene	Ave	0.8267	0.9040		21.9	20.0	9.3	20.0
1,2-Dichlorobenzene	Ave	1.085	1.026	0.4000	18.9	20.0	-5.4	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.664	1.554		18.7	20.0	-6.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1558	0.1017	0.0500	13.1	20.0	-34.7	50.0
1,3,5-Trichlorobenzene	Ave	0.7337	0.6959		19.0	20.0	-5.2	20.0
1,2,4-Trichlorobenzene	Ave	0.6972	0.5888	0.2000	16.9	20.0	-15.5	20.0
Hexachlorobutadiene	Ave	0.2435	0.2116		17.4	20.0	-13.1	20.0
Naphthalene	Ave	1.829	1.308		14.3	20.0	-28.5	50.0
1,2,3-Trichlorobenzene	Ave	0.6328	0.5219		16.5	20.0	-17.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2560	0.2630		51.4	50.0	2.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2637	0.2649		50.2	50.0	0.4	20.0
Toluene-d8 (Surr)	Ave	1.154	1.159		50.2	50.0	0.4	20.0
4-Bromofluorobenzene	Ave	0.3654	0.3282		44.9	50.0	-10.2	20.0

Report Date: 16-May-2024 17:14:01 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04412.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-May-2024 08:38:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0175969-003
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub73

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 17:14:00 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: RD6L Date: 16-May-2024 09:18:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.125	1.125	0.000	90	4450	20.0	17.8	
4 Dichlorodifluoromethane	85	1.149	1.149	0.000	98	62585	20.0	21.2	
5 Chlorodifluoromethane	67	1.161	1.161	0.000	98	9039	20.0	18.7	
6 Chloromethane	50	1.271	1.271	0.000	99	80837	20.0	21.8	
7 Vinyl chloride	62	1.332	1.332	0.000	98	68639	20.0	21.7	
8 Butadiene	54	1.350	1.350	0.000	98	65469	20.0	18.7	
9 Bromomethane	94	1.539	1.539	0.000	99	49836	20.0	23.6	
10 Chloroethane	64	1.599	1.599	0.000	98	35063	20.0	21.7	
12 Dichlorofluoromethane	67	1.715	1.715	0.000	99	118967	20.0	24.0	
11 Trichlorofluoromethane	101	1.727	1.727	0.000	97	94493	20.0	23.4	
13 Pentane	43	1.758	1.758	0.000	95	183811	40.0	41.8	
14 Ethanol	46	1.855	1.855	0.000	98	8444	800.0	964.9	
15 Ethyl ether	59	1.891	1.891	0.000	94	46745	20.0	20.7	
16 2-Methyl-1,3-butadiene	53	1.910	1.910	0.000	97	53379	20.0	21.3	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.922	1.922	0.000	93	48832	20.0	21.5	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.958	1.958	0.000	95	93955	20.0	22.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.019	2.019	0.000	97	60930	20.0	22.2	
19 Acrolein	56	2.025	2.025	0.000	94	13723	40.0	41.3	
21 1,1-Dichloroethene	96	2.050	2.050	0.000	98	59328	20.0	22.8	
22 Acetone	43	2.110	2.110	0.000	86	70003	100.0	95.2	
23 Iodomethane	142	2.165	2.165	0.000	98	67177	20.0	20.1	
25 Isopropyl alcohol	45	2.177	2.177	0.000	99	26445	200.0	215.9	
24 Carbon disulfide	76	2.196	2.196	0.000	99	213608	20.0	20.8	
26 3-Chloro-1-propene	76	2.287	2.287	0.000	95	35866	20.0	21.3	
28 Methyl acetate	43	2.293	2.293	0.000	100	75048	40.0	47.1	
27 Cyclopentene	67	2.305	2.305	0.000	94	129611	20.0	21.6	
29 Acetonitrile	41	2.336	2.336	0.000	97	66362	200.0	243.0	
* 30 TBA-d9 (IS)	65	2.372	2.372	0.000	77	216660	1000.0	1000.0	
31 Methylene Chloride	84	2.390	2.390	0.000	94	69727	20.0	23.7	
32 2-Methyl-2-propanol	59	2.427	2.427	0.000	98	34951	200.0	207.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.512	2.512	0.000	98	142073	20.0	20.2	
34 trans-1,2-Dichloroethene	96	2.536	2.536	0.000	95	66807	20.0	21.4	
35 Acrylonitrile	53	2.591	2.591	0.000	93	187446	200.0	216.4	
36 Hexane	57	2.658	2.658	0.000	93	63517	20.0	22.0	
37 Isopropyl ether	45	2.828	2.828	0.000	98	197183	20.0	19.8	
38 1,1-Dichloroethane	63	2.859	2.859	0.000	99	128840	20.0	21.1	
39 Vinyl acetate	43	2.865	2.865	0.000	100	251166	40.0	45.2	
40 2-Chloro-1,3-butadiene	88	2.901	2.901	0.000	91	53069	20.0	19.4	
41 Tert-butyl ethyl ether	59	3.096	3.096	0.000	88	169313	20.0	19.4	
* 43 2-Butanone-d5	46	3.272	3.272	0.000	99	345257	250.0	250.0	
42 2,2-Dichloropropane	79	3.278	3.278	0.000	97	30444	20.0	19.7	
44 cis-1,2-Dichloroethene	96	3.309	3.309	0.000	96	72834	20.0	19.9	
45 Ethyl acetate	70	3.321	3.321	0.000	95	10381	40.0	37.5	
46 2-Butanone (MEK)	72	3.321	3.321	0.000	95	27639	100.0	94.2	
47 Methyl acrylate	55	3.376	3.376	0.000	100	45146	20.0	18.2	
48 Propionitrile	54	3.437	3.437	0.000	97	75050	200.0	201.7	
50 Chlorobromomethane	128	3.510	3.510	0.000	90	35687	20.0	21.1	
49 Tetrahydrofuran	72	3.516	3.516	0.000	36	11891	40.0	40.4	
51 Methacrylonitrile	67	3.528	3.528	0.000	94	232737	200.0	194.3	
52 Chloroform	83	3.552	3.552	0.000	99	125391	20.0	21.0	
53 Cyclohexane	84	3.668	3.668	0.000	95	75328	20.0	18.4	
54 1,1,1-Trichloroethane	97	3.680	3.680	0.000	99	91190	20.0	19.2	
$ 55 Dibromofluoromethane (Surr)	113	3.698	3.698	0.000	96	191197	50.0	51.4	
56 Carbon tetrachloride	117	3.796	3.796	0.000	97	72938	20.0	18.3	
57 1,1-Dichloropropene	75	3.826	3.826	0.000	98	83517	20.0	19.6	
58 Isobutyl alcohol	43	3.966	3.966	0.000	93	61267	500.0	456.9	
59 Isooctane	57	3.978	3.978	0.000	96	122680	20.0	22.3	
60 Benzene	78	4.008	4.008	0.000	96	248666	20.0	20.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.027	4.027	0.000	0	192607	50.0	50.2	
62 Isopropyl acetate	43	4.069	4.069	0.000	92	146162	20.0	17.6	
63 Tert-amyl methyl ether	55	4.069	4.069	0.000	80	40620	20.0	21.0	
64 1,2-Dichloroethane	62	4.094	4.094	0.000	96	80780	20.0	19.8	
65 n-Heptane	57	4.154	4.154	0.000	96	24700	20.0	20.3	
* 66 Fluorobenzene	96	4.282	4.282	0.000	99	727113	50.0	50.0	
68 Trichloroethene	95	4.629	4.629	0.000	97	62843	20.0	18.4	
67 n-Butanol	56	4.641	4.641	0.000	34	12488	500.0	287.1	
69 Methylcyclohexane	83	4.745	4.745	0.000	93	74745	20.0	19.7	
70 Ethyl acrylate	55	4.757	4.757	0.000	97	119031	20.0	17.6	
71 1,2-Dichloropropane	63	4.915	4.915	0.000	90	65377	20.0	18.4	
* 72 1,4-Dioxane-d8	96	4.988	4.988	0.000	0	27675	1000.0	1000.0	
73 Methyl methacrylate	100	5.006	5.006	0.000	94	22511	40.0	32.5	
75 1,4-Dioxane	88	5.049	5.049	0.000	38	9504	400.0	446.4	
74 Dibromomethane	93	5.049	5.049	0.000	94	44192	20.0	19.4	
76 n-Propyl acetate	43	5.073	5.073	0.000	98	68391	20.0	15.9	
77 Dichlorobromomethane	83	5.213	5.213	0.000	99	82401	20.0	18.8	
78 2-Nitropropane	41	5.560	5.560	0.000	89	18758	40.0	26.0	
79 2-Chloroethyl vinyl ether	63	5.572	5.572	0.000	89	23708	20.0	18.7	
80 Epichlorohydrin	57	5.681	5.681	0.000	99	63253	400.0	270.7	a
81 cis-1,3-Dichloropropene	75	5.736	5.736	0.000	92	97039	20.0	18.5	
82 4-Methyl-2-pentanone (MIBK)	43	5.919	5.919	0.000	97	209395	100.0	86.2	
$ 83 Toluene-d8 (Surr)	98	5.986	5.986	0.000	99	563093	50.0	50.2	
84 Toluene	91	6.071	6.071	0.000	93	226743	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.472	6.472	0.000	96	81541	20.0	17.6	
86 Ethyl methacrylate	69	6.521	6.521	0.000	92	57278	20.0	16.2	
87 1,1,2-Trichloroethane	83	6.703	6.703	0.000	97	50178	20.0	20.2	
88 Tetrachloroethene	166	6.734	6.734	0.000	95	53864	20.0	18.9	
89 1,3-Dichloropropane	76	6.929	6.929	0.000	95	86938	20.0	20.4	
90 2-Hexanone	58	7.026	7.026	0.000	98	72972	100.0	80.8	
91 n-Butyl acetate	43	7.172	7.172	0.000	98	71364	20.0	17.4	
92 Chlorodibromomethane	129	7.184	7.184	0.000	98	59341	20.0	18.4	
93 Ethylene Dibromide	107	7.348	7.348	0.000	98	58156	20.0	19.5	
* 94 Chlorobenzene-d5	117	7.944	7.944	0.000	87	485964	50.0	50.0	
95 Chlorobenzene	112	7.981	7.981	0.000	95	147121	20.0	20.1	
96 Ethylbenzene	106	8.091	8.091	0.000	99	71153	20.0	18.6	
97 1,1,1,2-Tetrachloroethane	131	8.103	8.103	0.000	95	51041	20.0	18.5	
98 m-Xylene & p-Xylene	106	8.243	8.243	0.000	0	86698	20.0	18.4	
99 o-Xylene	106	8.699	8.699	0.000	93	81655	20.0	18.0	
100 n-Butyl acrylate	73	8.717	8.717	0.000	97	30655	20.0	13.7	
101 Styrene	104	8.735	8.735	0.000	95	140880	20.0	18.0	
103 Bromoform	173	8.948	8.948	0.000	94	31885	20.0	14.4	
102 Amyl acetate (mixed isomers)	43	8.967	8.967	0.000	88	69098	20.0	14.4	
104 Isopropylbenzene	105	9.082	9.082	0.000	96	185521	20.0	19.0	
$ 105 4-Bromofluorobenzene	174	9.283	9.283	0.000	90	159483	50.0	44.9	
106 Bromobenzene	156	9.411	9.411	0.000	97	59319	20.0	19.1	
107 1,1,2,2-Tetrachloroethane	83	9.478	9.478	0.000	99	69200	20.0	21.4	
108 N-Propylbenzene	91	9.490	9.490	0.000	98	248302	20.0	21.2	
109 1,2,3-Trichloropropane	110	9.514	9.514	0.000	98	14875	20.0	20.0	
110 trans-1,4-Dichloro-2-butene	53	9.544	9.544	0.000	85	16051	20.0	17.0	a
111 2-Chlorotoluene	91	9.587	9.587	0.000	97	180037	20.0	21.4	
112 4-Ethyltoluene	105	9.605	9.605	0.000	98	203189	20.0	20.7	
113 1,3,5-Trimethylbenzene	105	9.672	9.672	0.000	93	166974	20.0	20.3	
114 4-Chlorotoluene	91	9.703	9.703	0.000	98	167444	20.0	20.7	
115 Butyl Methacrylate	87	9.788	9.788	0.000	95	49385	20.0	14.6	
116 tert-Butylbenzene	119	9.952	9.952	0.000	91	130395	20.0	20.5	
117 1,2,4-Trimethylbenzene	105	10.013	10.013	0.000	98	173937	20.0	20.2	
118 sec-Butylbenzene	105	10.147	10.147	0.000	99	210635	20.0	22.8	
120 1,3-Dichlorobenzene	146	10.268	10.268	0.000	96	104324	20.0	20.0	
119 4-Isopropyltoluene	119	10.281	10.281	0.000	98	165805	20.0	20.8	
* 121 1,4-Dichlorobenzene-d4	152	10.335	10.335	0.000	96	237002	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.354	10.354	0.000	96	107425	20.0	19.8	
123 1,2,3-Trimethylbenzene	105	10.378	10.378	0.000	98	190247	20.0	20.3	
124 Benzyl chloride	91	10.487	10.487	0.000	98	91197	20.0	15.6	
125 2,3-Dihydroindene	117	10.542	10.542	0.000	94	185356	20.0	20.4	
126 p-Diethylbenzene	119	10.603	10.603	0.000	91	96941	20.0	20.9	
127 n-Butylbenzene	92	10.621	10.621	0.000	97	85700	20.0	21.9	
128 1,2-Dichlorobenzene	146	10.670	10.670	0.000	98	97248	20.0	18.9	
129 1,2,4,5-Tetramethylbenzene	119	11.230	11.230	0.000	97	147363	20.0	18.7	
130 1,2-Dibromo-3-Chloropropane	157	11.309	11.309	0.000	95	9644	20.0	13.1	
131 1,3,5-Trichlorobenzene	180	11.418	11.418	0.000	97	65972	20.0	19.0	
132 1,2,4-Trichlorobenzene	180	11.899	11.899	0.000	94	55817	20.0	16.9	
133 Hexachlorobutadiene	225	11.978	11.978	0.000	93	20056	20.0	17.4	
134 Naphthalene	128	12.075	12.075	0.000	99	124022	20.0	14.3	
135 1,2,3-Trichlorobenzene	180	12.252	12.252	0.000	96	49476	20.0	16.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	41.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	36.4	
S 138 Total BTEX	1				0		100.0	94.4	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00583	Amount Added: 20.00	Units: uL		
ACROLEIN W_00168	Amount Added: 4.00	Units: uL		
8260MIX1COMB_00187	Amount Added: 20.00	Units: uL		
524FREONS_00019	Amount Added: 20.00	Units: uL		
8260ISNEW_00203	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00246	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 16-May-2024 17:14:01 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04412.D

Injection Date: 16-May-2024 08:38:30 Instrument ID: CVOAMS8 Operator ID:

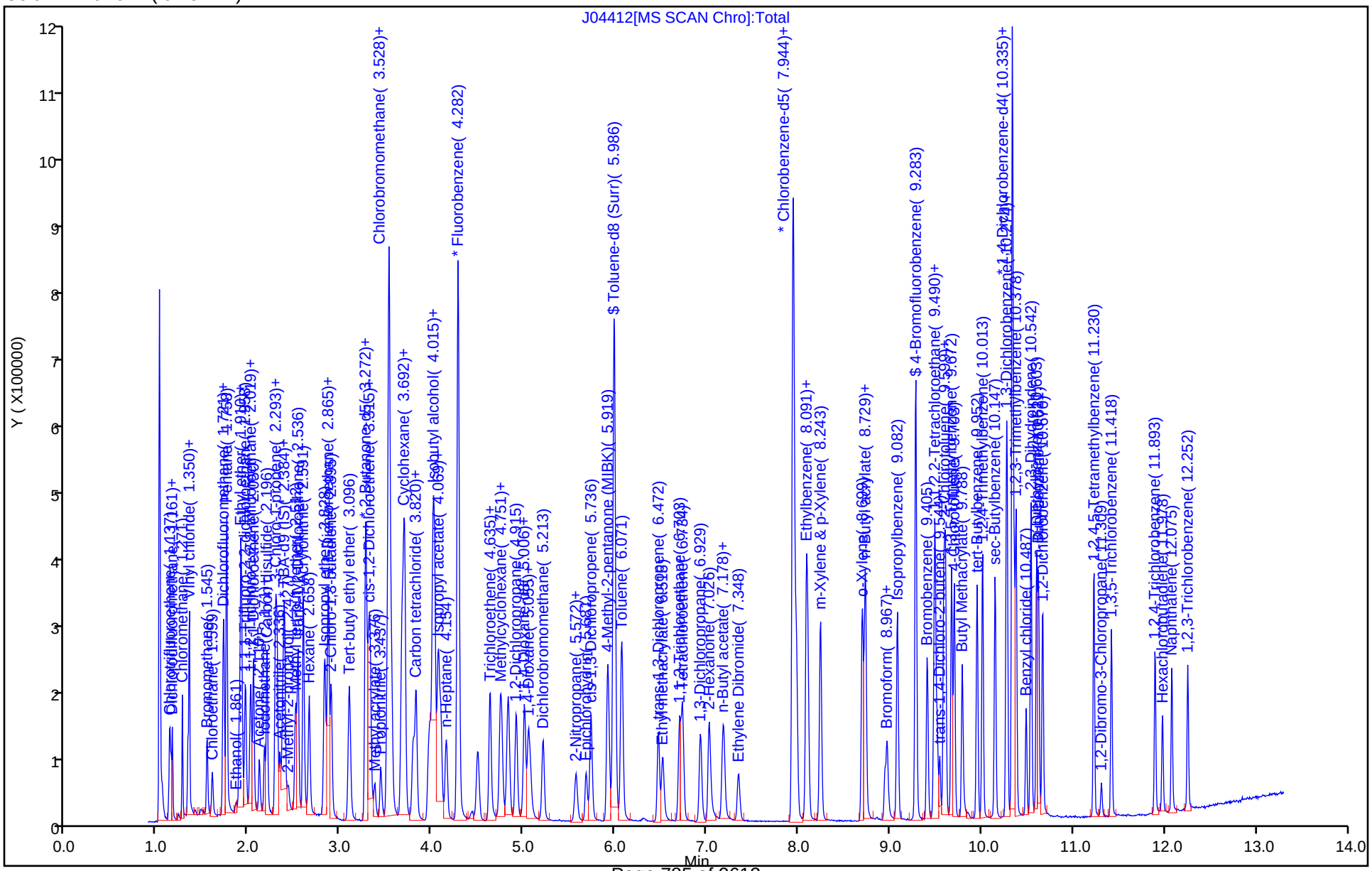
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

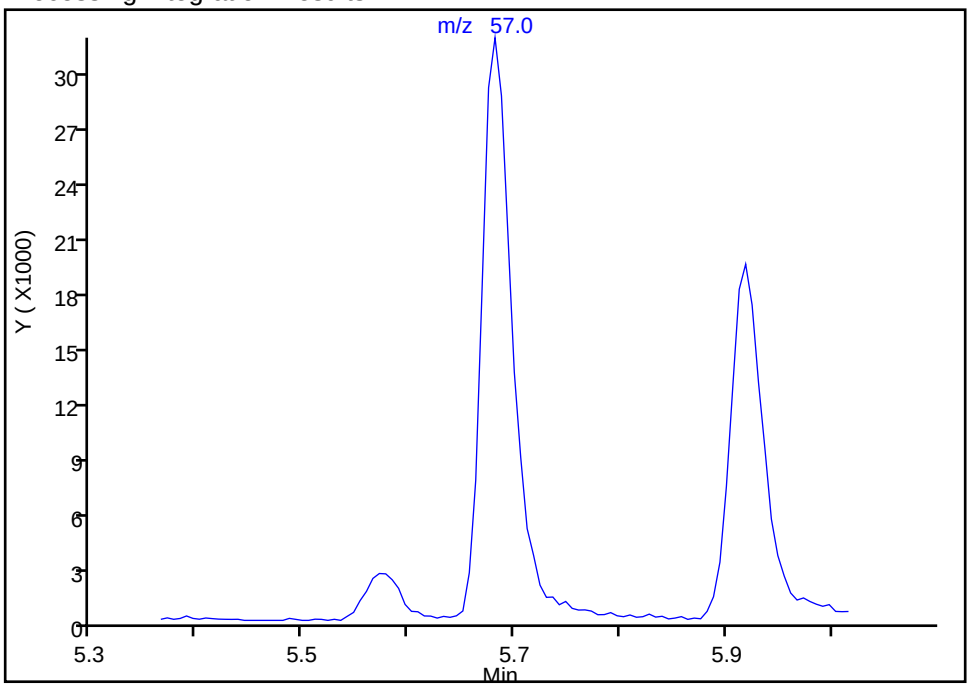
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Injection Date: 16-May-2024 08:38:30 Instrument ID: CVOAMS8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

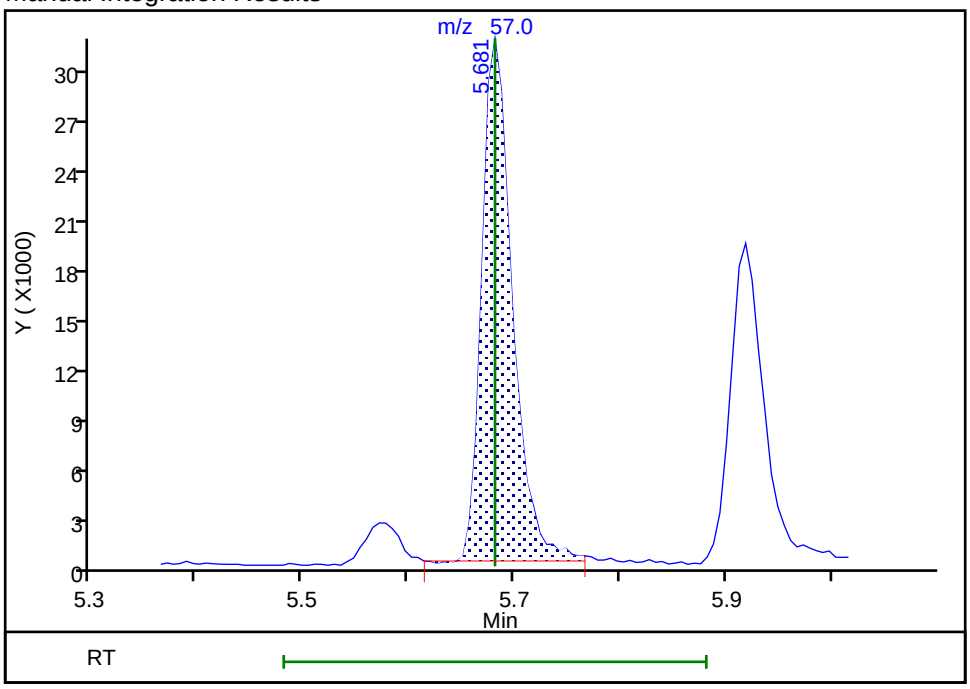
Not Detected
Expected RT: 5.68

Processing Integration Results



Manual Integration Results

RT: 5.68
Area: 63253
Amount: 270.7307
Amount Units: ug/l



Reviewer: RD6L, 16-May-2024 09:14:16 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

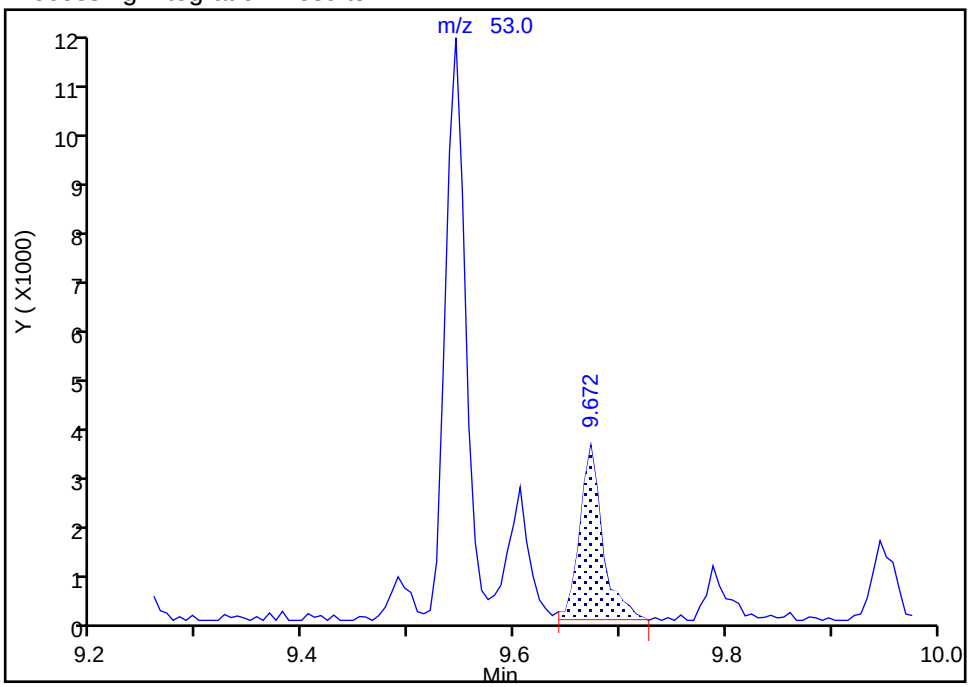
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Injection Date: 16-May-2024 08:38:30 Instrument ID: CVOAMS8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

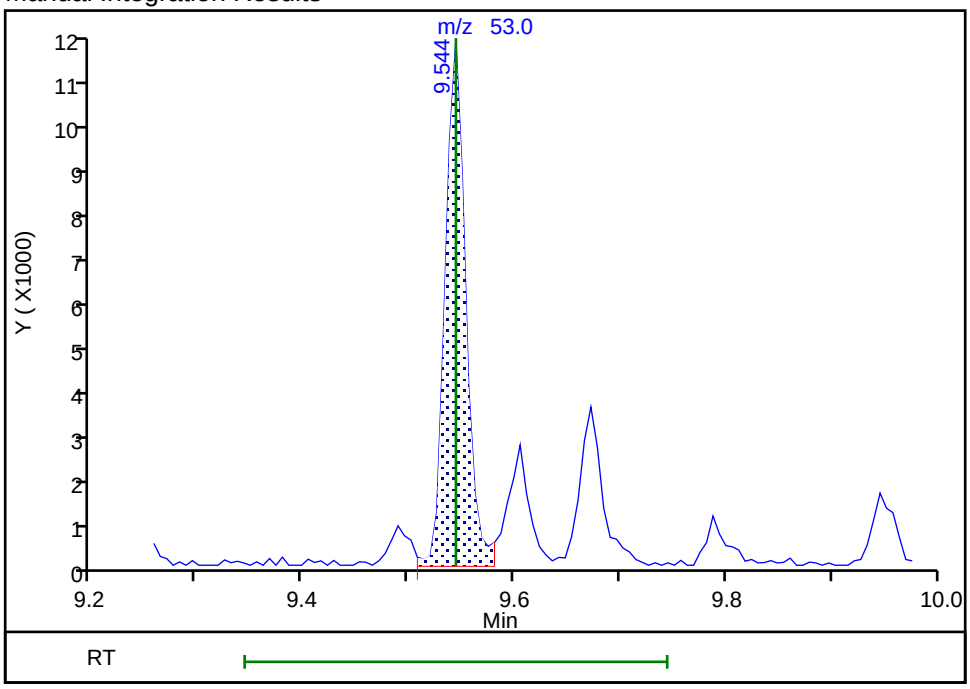
Processing Integration Results

RT: 9.67
Area: 5423
Amount: 5.752424
Amount Units: ug/l



Manual Integration Results

RT: 9.54
Area: 16051
Amount: 17.026029
Amount Units: ug/l



Reviewer: RD6L, 16-May-2024 09:14:28 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02830.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	03-Apr-2024 15:59:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0174171-001				
Operator ID:		Instrument ID:	CVOAMS8		
Method:	\\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\8260_W8.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	04-Apr-2024 12:19:46	Calib Date:	03-Apr-2024 22:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1641				
First Level Reviewer: NN6A		Date:	04-Apr-2024 12:19:46		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

$ 139 BFB

QC Flag Legend

Processing Flags

Reagents:

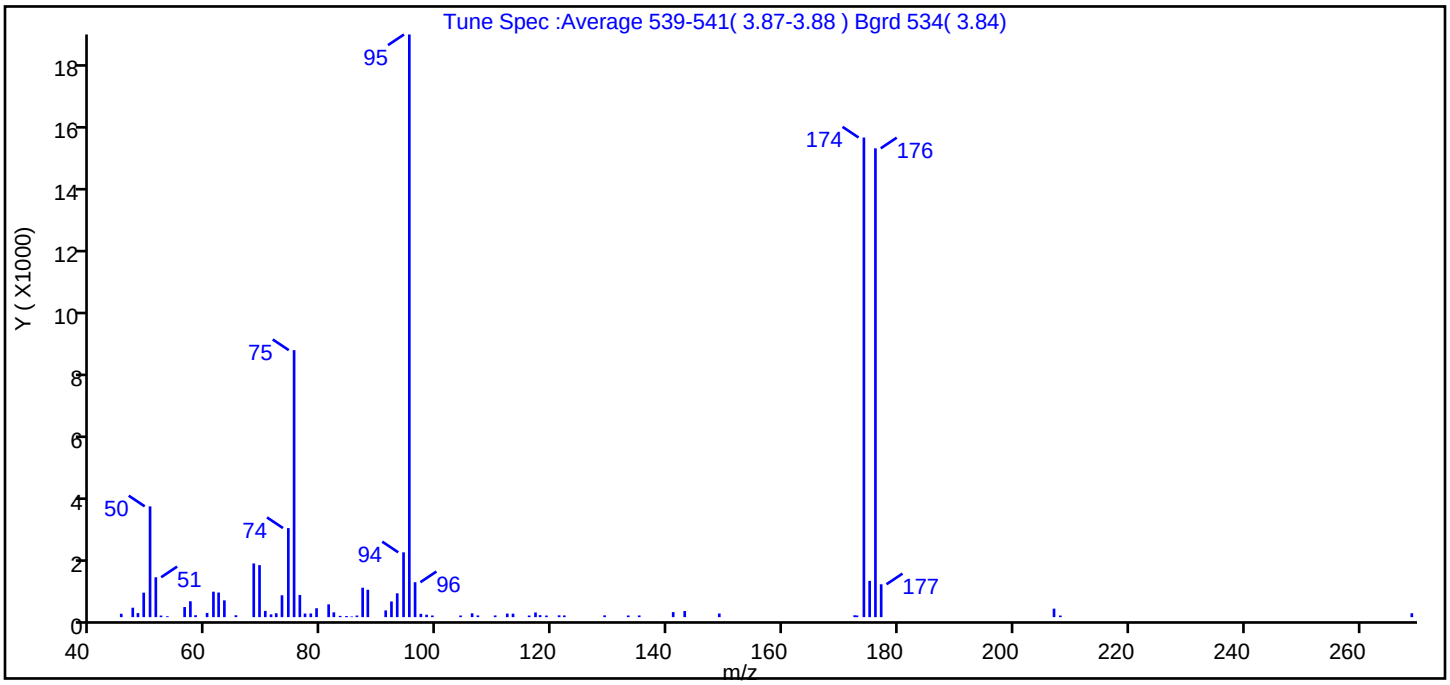
BFB_00035 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02830.D
Injection Date: 03-Apr-2024 15:59:30 Instrument ID: CVOAMS8
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Tune Method: BFB Method 8260D

$ 139 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	50 to 200% of m/z 174	100.0 (121.5)
96	5 to 9% of m/z 95	6.0
173	<2% of m/z 174	0.3 (0.3)
174	50 to 200% of m/z 95	82.3
175	5 to 9% of m/z 174	6.2 (7.6)
176	95 to 105% of m/z 174	80.5 (97.7)
177	5 to 10% of m/z 176	5.6 (7.0)

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02830.D\8260_W8.rslt\spectra.d
Injection Date: 03-Apr-2024 15:59:30
Spectrum: Tune Spec :Average 539-541(3.87-3.88) Bgrd 534(3.84)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	105	70.00	194	91.00	209	119.00	50
47.00	293	71.00	86	92.00	488	121.00	57
48.00	127	72.00	121	93.00	740	122.00	53
49.00	761	73.00	680	94.00	2015	129.00	56
50.00	3444	74.00	2769	95.00	18112	133.00	52
51.00	1240	75.00	8300	96.00	1086	135.00	53
52.00	50	76.00	688	97.00	103	141.00	157
53.00	28	77.00	112	98.00	76	143.00	191
56.00	314	78.00	114	99.00	51	149.00	113
57.00	493	79.00	277	104.00	51	172.00	58
58.00	60	81.00	397	106.00	119	173.00	52
60.00	131	82.00	150	107.00	53	174.00	14909
61.00	791	83.00	40	110.00	53	175.00	1128
62.00	765	84.00	35	112.00	111	176.00	14573
63.00	522	85.00	20	113.00	108	177.00	1022
65.00	59	86.00	51	116.00	51	207.00	264
68.00	1669	87.00	915	117.00	146	208.00	50
69.00	1617	88.00	851	118.00	62	269.00	121

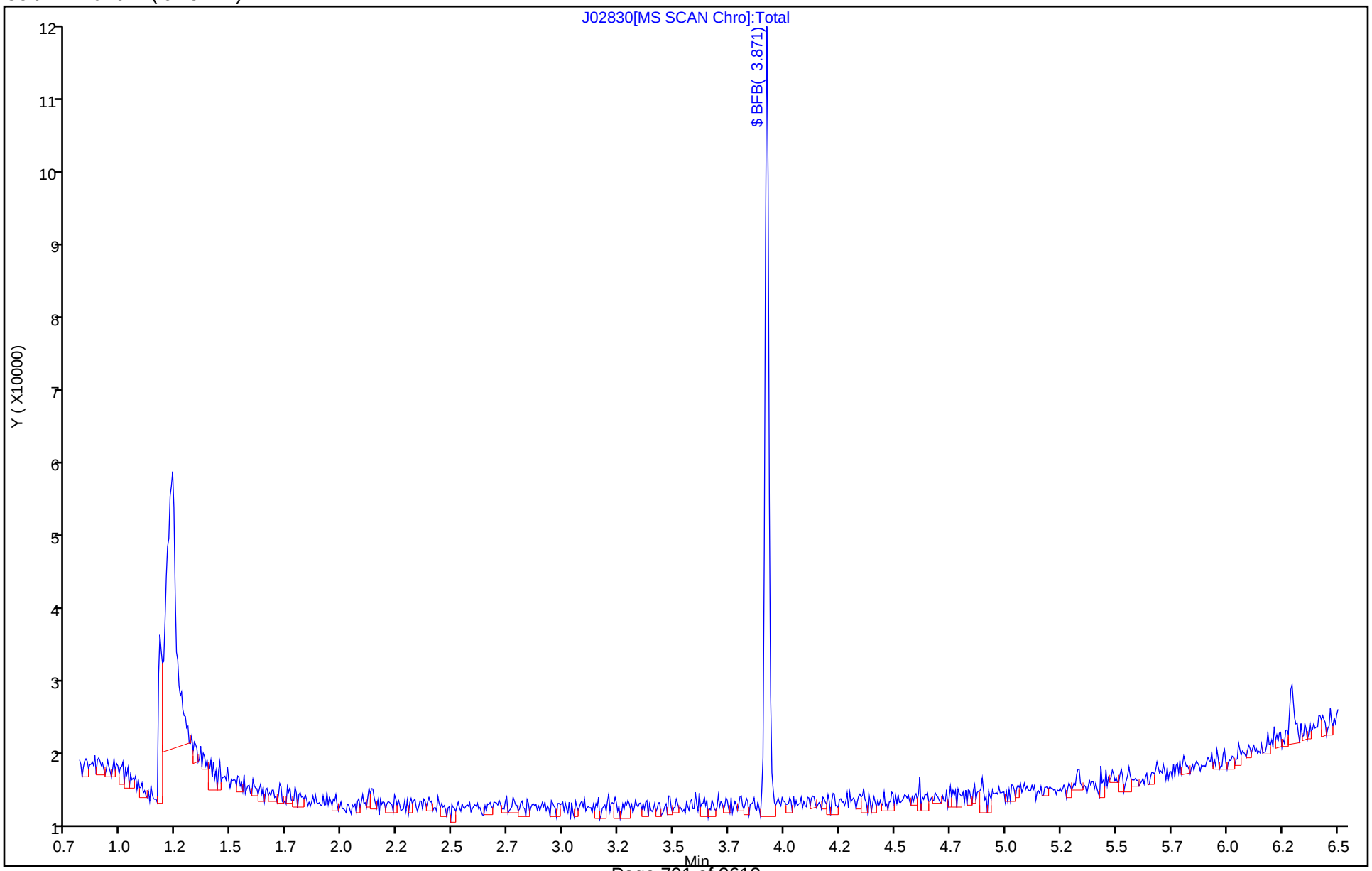
Report Date: 04-Apr-2024 12:19:46 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02830.D

Injection Date:	03-Apr-2024 15:59:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-975195/10

Matrix: Solid | Lab File ID: J04419.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 11:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
71-43-2	Benzene	0.20	U	1.0	0.20
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
67-66-3	Chloroform	0.33	U	1.0	0.33
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-01-4	Vinyl chloride	0.17	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-128
460-00-4	4-Bromofluorobenzene	89		76-120
1868-53-7	Dibromofluoromethane (Surr)	104		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04419.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 16-May-2024 11:34:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0175969-010
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 12:03:15 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: RD6L Date: 16-May-2024 12:03:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.377	2.372	0.005	76	228171	1000.0	1000.0	
31 Methylene Chloride	84	2.389	2.390	-0.001	95	3734		1.34	
* 43 2-Butanone-d5	46	3.271	3.272	-0.001	86	340978	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.697	3.698	-0.001	96	183226	50.0	52.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.026	4.027	-0.001	0	187129	50.0	51.6	
* 66 Fluorobenzene	96	4.281	4.282	-0.001	98	687802	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.999	4.988	0.011	0	26437	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.985	5.986	-0.001	99	535523	50.0	51.4	
* 94 Chlorobenzene-d5	117	7.944	7.944	0.000	86	451796	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.282	9.283	-0.001	91	146659	50.0	44.4	
* 121 1,4-Dichlorobenzene-d4	152	10.334	10.335	-0.001	96	215273	50.0	50.0	
133 Hexachlorobutadiene	225	11.977	11.978	-0.001	3	358		0.3414	
135 1,2,3-Trichlorobenzene	180	12.251	12.252	-0.001	90	990		0.3634	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00203 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00246 Amount Added: 1.00 Units: uL Run Reagent

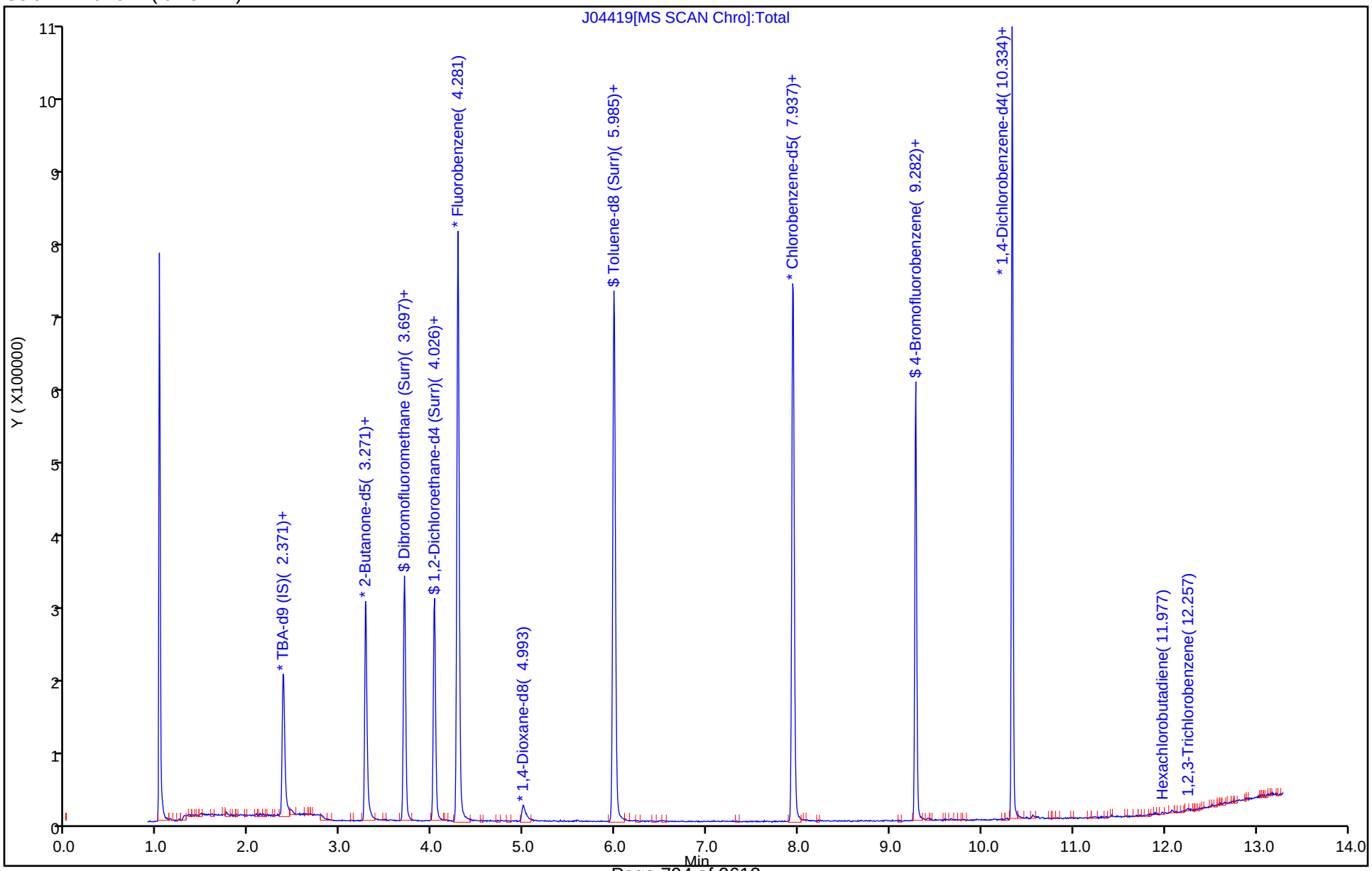
Report Date: 16-May-2024 12:03:16 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04419.D

Injection Date:	16-May-2024 11:34:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	MB			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04419.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 16-May-2024 11:34:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0175969-010
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 12:03:15 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: RD6L Date: 16-May-2024 12:03:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	52.0	104.06
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	51.6	103.16
$ 83 Toluene-d8 (Surr)	50.0	51.4	102.72
$ 105 4-Bromofluorobenzene	50.0	44.4	88.84

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-975195/4

Matrix: Solid | Lab File ID: J04413.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 09:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	21.8		1.0	0.26
107-06-2	1,2-Dichloroethane	18.9		1.0	0.43
78-93-3	2-Butanone (MEK)	90.0		5.0	1.9
71-43-2	Benzene	19.9		1.0	0.20
56-23-5	Carbon tetrachloride	17.3		1.0	0.21
108-90-7	Chlorobenzene	19.1		1.0	0.38
67-66-3	Chloroform	19.5		1.0	0.33
127-18-4	Tetrachloroethene	18.3		1.0	0.25
79-01-6	Trichloroethene	18.1		1.0	0.31
75-01-4	Vinyl chloride	20.2		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-128
460-00-4	4-Bromofluorobenzene	91		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Report Date: 16-May-2024 17:15:06 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04413.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 16-May-2024 09:04:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0175969-004
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 17:14:00 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: RD6L Date: 16-May-2024 09:28:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.128	1.125	0.003	85	4530	20.0	17.6	
4 Dichlorodifluoromethane	85	1.146	1.149	-0.003	98	59760	20.0	19.6	
5 Chlorodifluoromethane	67	1.164	1.161	0.003	97	8745	20.0	17.5	
6 Chloromethane	50	1.274	1.271	0.003	99	77392	20.0	20.2	
7 Vinyl chloride	62	1.334	1.332	0.002	98	65921	20.0	20.2	
8 Butadiene	54	1.347	1.350	-0.004	98	65200	20.0	18.0	
9 Bromomethane	94	1.541	1.539	0.002	99	48680	20.0	22.3	
10 Chloroethane	64	1.596	1.599	-0.003	99	35819	20.0	21.4	
12 Dichlorofluoromethane	67	1.718	1.715	0.003	99	116231	20.0	22.7	
11 Trichlorofluoromethane	101	1.724	1.727	-0.003	98	92156	20.0	22.1	
13 Pentane	43	1.754	1.758	-0.004	95	185799	40.0	40.9	
14 Ethanol	46	1.858	1.855	0.003	95	6442	800.0	713.6	
15 Ethyl ether	59	1.894	1.891	0.003	96	44206	20.0	18.9	
16 2-Methyl-1,3-butadiene	53	1.912	1.910	0.002	97	51884	20.0	20.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.918	1.922	-0.004	94	45827	20.0	19.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.961	1.958	0.003	95	87987	20.0	20.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.016	2.019	-0.003	97	59944	20.0	21.2	
19 Acrolein	56	2.022	2.025	-0.003	94	15576	40.0	45.5	
21 1,1-Dichloroethene	96	2.052	2.050	0.002	98	58555	20.0	21.8	
22 Acetone	43	2.113	2.110	0.003	86	67958	100.0	88.2	
23 Iodomethane	142	2.168	2.165	0.003	98	68682	20.0	19.9	
25 Isopropyl alcohol	45	2.174	2.177	-0.003	99	28085	200.0	222.3	
24 Carbon disulfide	76	2.198	2.196	0.002	99	209250	20.0	19.7	
26 3-Chloro-1-propene	76	2.289	2.287	0.002	97	37580	20.0	21.6	
28 Methyl acetate	43	2.296	2.293	0.003	100	77298	40.0	47.1	
27 Cyclopentene	67	2.308	2.305	0.003	96	127047	20.0	20.5	
29 Acetonitrile	41	2.338	2.336	0.002	96	66636	200.0	236.5	
* 30 TBA-d9 (IS)	65	2.375	2.372	0.003	79	223494	1000.0	1000.0	
31 Methylene Chloride	84	2.387	2.390	-0.003	93	65777	20.0	21.6	
32 2-Methyl-2-propanol	59	2.429	2.427	0.002	99	38009	200.0	218.9	
33 Methyl tert-butyl ether	73	2.508	2.512	-0.004	98	142416	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	2.533	2.536	-0.003	95	66782	20.0	20.7	
35 Acrylonitrile	53	2.594	2.591	0.003	95	183423	200.0	205.2	
36 Hexane	57	2.661	2.658	0.003	93	62375	20.0	21.0	
37 Isopropyl ether	45	2.825	2.828	-0.003	98	188024	20.0	18.3	
38 1,1-Dichloroethane	63	2.861	2.859	0.002	99	119469	20.0	18.9	
39 Vinyl acetate	43	2.867	2.865	0.002	100	236000	40.0	41.1	
40 2-Chloro-1,3-butadiene	88	2.898	2.901	-0.003	91	51820	20.0	18.3	
41 Tert-butyl ethyl ether	59	3.092	3.096	-0.004	87	163318	20.0	18.1	
* 43 2-Butanone-d5	46	3.275	3.272	0.003	99	361790	250.0	250.0	
42 2,2-Dichloropropane	79	3.281	3.278	0.003	95	29655	20.0	18.6	
44 cis-1,2-Dichloroethene	96	3.305	3.309	-0.004	96	71600	20.0	18.9	
45 Ethyl acetate	70	3.324	3.321	0.003	96	10534	40.0	36.3	
46 2-Butanone (MEK)	72	3.324	3.321	0.003	95	27662	100.0	90.0	
47 Methyl acrylate	55	3.372	3.376	-0.004	100	44610	20.0	17.5	
48 Propionitrile	54	3.439	3.437	0.002	97	70851	200.0	184.6	
50 Chlorobromomethane	128	3.506	3.510	-0.004	94	33871	20.0	19.4	
49 Tetrahydrofuran	72	3.512	3.516	-0.004	89	11085	40.0	35.9	
51 Methacrylonitrile	67	3.530	3.528	0.002	95	222375	200.0	179.8	
52 Chloroform	83	3.555	3.552	0.003	99	119846	20.0	19.5	
53 Cyclohexane	84	3.670	3.668	0.002	96	74817	20.0	17.7	
54 1,1,1-Trichloroethane	97	3.683	3.680	0.003	99	89601	20.0	18.2	
$ 55 Dibromofluoromethane (Surr)	113	3.701	3.698	0.003	96	194839	50.0	50.7	
56 Carbon tetrachloride	117	3.798	3.796	0.002	98	71174	20.0	17.3	
57 1,1-Dichloropropene	75	3.822	3.826	-0.004	96	81326	20.0	18.5	
58 Isobutyl alcohol	43	3.962	3.966	-0.004	92	64349	500.0	465.3	
59 Isooctane	57	3.975	3.978	-0.003	97	123820	20.0	21.8	
60 Benzene	78	4.005	4.008	-0.003	97	247250	20.0	19.9	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.023	4.027	-0.004	0	201197	50.0	50.8	
62 Isopropyl acetate	43	4.066	4.069	-0.003	91	149027	20.0	17.4	
63 Tert-amyl methyl ether	55	4.066	4.069	-0.003	80	41064	20.0	20.6	
64 1,2-Dichloroethane	62	4.096	4.094	0.002	96	79378	20.0	18.9	
65 n-Heptane	57	4.157	4.154	0.003	95	26714	20.0	21.2	
* 66 Fluorobenzene	96	4.285	4.282	0.003	99	750826	50.0	50.0	
68 Trichloroethene	95	4.632	4.629	0.003	98	63688	20.0	18.1	
67 n-Butanol	56	4.644	4.641	0.003	37	15882	500.0	342.2	
69 Methylcyclohexane	83	4.747	4.745	0.002	92	77938	20.0	19.9	
70 Ethyl acrylate	55	4.759	4.757	0.002	96	123145	20.0	17.7	
71 1,2-Dichloropropane	63	4.918	4.915	0.003	92	70300	20.0	19.1	
* 72 1,4-Dioxane-d8	96	4.997	4.988	0.009	0	27766	1000.0	1000.0	
73 Methyl methacrylate	100	5.009	5.006	0.003	95	22207	40.0	31.1	
75 1,4-Dioxane	88	5.051	5.049	0.002	41	10254	400.0	480.0	
74 Dibromomethane	93	5.051	5.049	0.002	94	43433	20.0	18.5	
76 n-Propyl acetate	43	5.076	5.073	0.003	98	71043	20.0	16.0	
77 Dichlorobromomethane	83	5.210	5.213	-0.003	99	83640	20.0	18.5	
78 2-Nitropropane	41	5.562	5.560	0.002	88	19657	40.0	26.5	
79 2-Chloroethyl vinyl ether	63	5.575	5.572	0.003	91	23510	20.0	18.0	
80 Epichlorohydrin	57	5.684	5.681	0.003	99	62543	400.0	255.5	a
81 cis-1,3-Dichloropropene	75	5.733	5.736	-0.003	93	96233	20.0	18.2	
82 4-Methyl-2-pentanone (MIBK)	43	5.921	5.919	0.002	97	217647	100.0	85.5	
$ 83 Toluene-d8 (Surr)	98	5.988	5.986	0.002	99	583804	50.0	51.7	
84 Toluene	91	6.073	6.071	0.002	93	226732	20.0	19.1	
85 trans-1,3-Dichloropropene	75	6.475	6.472	0.003	96	79712	20.0	17.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.517	6.521	-0.004	93	55599	20.0	15.2	
87 1,1,2-Trichloroethane	83	6.700	6.703	-0.003	97	49463	20.0	19.8	
88 Tetrachloroethene	166	6.730	6.734	-0.004	93	52611	20.0	18.3	
89 1,3-Dichloropropane	76	6.931	6.929	0.002	97	83264	20.0	19.4	
90 2-Hexanone	58	7.022	7.026	-0.004	99	71411	100.0	75.5	
91 n-Butyl acetate	43	7.174	7.172	0.002	98	65681	20.0	15.9	
92 Chlorodibromomethane	129	7.187	7.184	0.003	98	55673	20.0	17.2	
93 Ethylene Dibromide	107	7.345	7.348	-0.003	98	55848	20.0	18.6	
* 94 Chlorobenzene-d5	117	7.941	7.944	-0.003	86	489364	50.0	50.0	
95 Chlorobenzene	112	7.977	7.981	-0.004	95	140273	20.0	19.1	
96 Ethylbenzene	106	8.093	8.091	0.002	99	66019	20.0	17.1	
97 1,1,1,2-Tetrachloroethane	131	8.105	8.103	0.002	96	47980	20.0	17.3	
98 m-Xylene & p-Xylene	106	8.239	8.243	-0.004	0	81506	20.0	17.2	
99 o-Xylene	106	8.695	8.699	-0.004	93	78389	20.0	17.2	
100 n-Butyl acrylate	73	8.720	8.717	0.003	96	29776	20.0	13.2	
101 Styrene	104	8.732	8.735	-0.003	96	137290	20.0	17.4	
103 Bromoform	173	8.945	8.948	-0.003	95	29762	20.0	13.4	
102 Amyl acetate (mixed isomers)	43	8.969	8.967	0.002	87	68714	20.0	14.9	
104 Isopropylbenzene	105	9.085	9.082	0.003	96	178264	20.0	18.1	
$ 105 4-Bromofluorobenzene	174	9.285	9.283	0.002	93	162088	50.0	45.3	
106 Bromobenzene	156	9.407	9.411	-0.004	98	56090	20.0	18.9	
107 1,1,2,2-Tetrachloroethane	83	9.480	9.478	0.002	98	65461	20.0	21.2	
108 N-Propylbenzene	91	9.492	9.490	0.002	99	232645	20.0	20.7	
109 1,2,3-Trichloropropane	110	9.517	9.514	0.003	97	14679	20.0	20.7	
110 trans-1,4-Dichloro-2-butene	53	9.547	9.544	0.003	84	14525	20.0	16.1	a
111 2-Chlorotoluene	91	9.590	9.587	0.003	97	169458	20.0	21.0	
112 4-Ethyltoluene	105	9.608	9.605	0.003	98	190399	20.0	20.3	
113 1,3,5-Trimethylbenzene	105	9.675	9.672	0.003	92	162493	20.0	20.7	
114 4-Chlorotoluene	91	9.705	9.703	0.002	97	154938	20.0	20.0	
115 Butyl Methacrylate	87	9.790	9.788	0.002	94	50231	20.0	15.5	
116 tert-Butylbenzene	119	9.955	9.952	0.003	92	127248	20.0	20.9	
117 1,2,4-Trimethylbenzene	105	10.009	10.013	-0.004	98	166977	20.0	20.3	
118 sec-Butylbenzene	105	10.149	10.147	0.002	99	197241	20.0	22.4	
120 1,3-Dichlorobenzene	146	10.271	10.268	0.003	95	96687	20.0	19.4	
119 4-Isopropyltoluene	119	10.277	10.281	-0.004	97	152714	20.0	20.0	
* 121 1,4-Dichlorobenzene-d4	152	10.338	10.335	0.003	96	226466	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.356	10.354	0.002	96	101130	20.0	19.5	
123 1,2,3-Trimethylbenzene	105	10.374	10.378	-0.004	99	183986	20.0	20.6	
124 Benzyl chloride	91	10.490	10.487	0.003	98	84237	20.0	15.1	
125 2,3-Dihydroindene	117	10.539	10.542	-0.003	94	176908	20.0	20.3	
126 p-Diethylbenzene	119	10.599	10.603	-0.004	91	93547	20.0	21.1	
127 n-Butylbenzene	92	10.624	10.621	0.003	97	84771	20.0	22.6	
128 1,2-Dichlorobenzene	146	10.666	10.670	-0.004	96	96538	20.0	19.7	
129 1,2,4,5-Tetramethylbenzene	119	11.226	11.230	-0.004	97	139890	20.0	18.6	
130 1,2-Dibromo-3-Chloropropane	157	11.311	11.309	0.002	95	9690	20.0	13.7	
131 1,3,5-Trichlorobenzene	180	11.421	11.418	0.003	97	64060	20.0	19.3	
132 1,2,4-Trichlorobenzene	180	11.895	11.899	-0.004	94	55226	20.0	17.5	
133 Hexachlorobutadiene	225	11.980	11.978	0.002	93	20702	20.0	18.8	
134 Naphthalene	128	12.078	12.075	0.003	99	132665	20.0	16.0	
135 1,2,3-Trichlorobenzene	180	12.254	12.252	0.002	95	49467	20.0	17.3	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.6	
S 137 Xylenes, Total	100				0		40.0	34.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Total BTEX	1				0		100.0	90.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

GASES Li_00583	Amount Added:	20.00	Units: uL	
ACROLEIN W_00168	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00187	Amount Added:	20.00	Units: uL	
524FREONS_00019	Amount Added:	20.00	Units: uL	
8260ISNEW_00203	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00246	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 16-May-2024 17:15:06 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04413.D

Injection Date: 16-May-2024 09:04:30 Instrument ID: CVOAMS8 Operator ID:

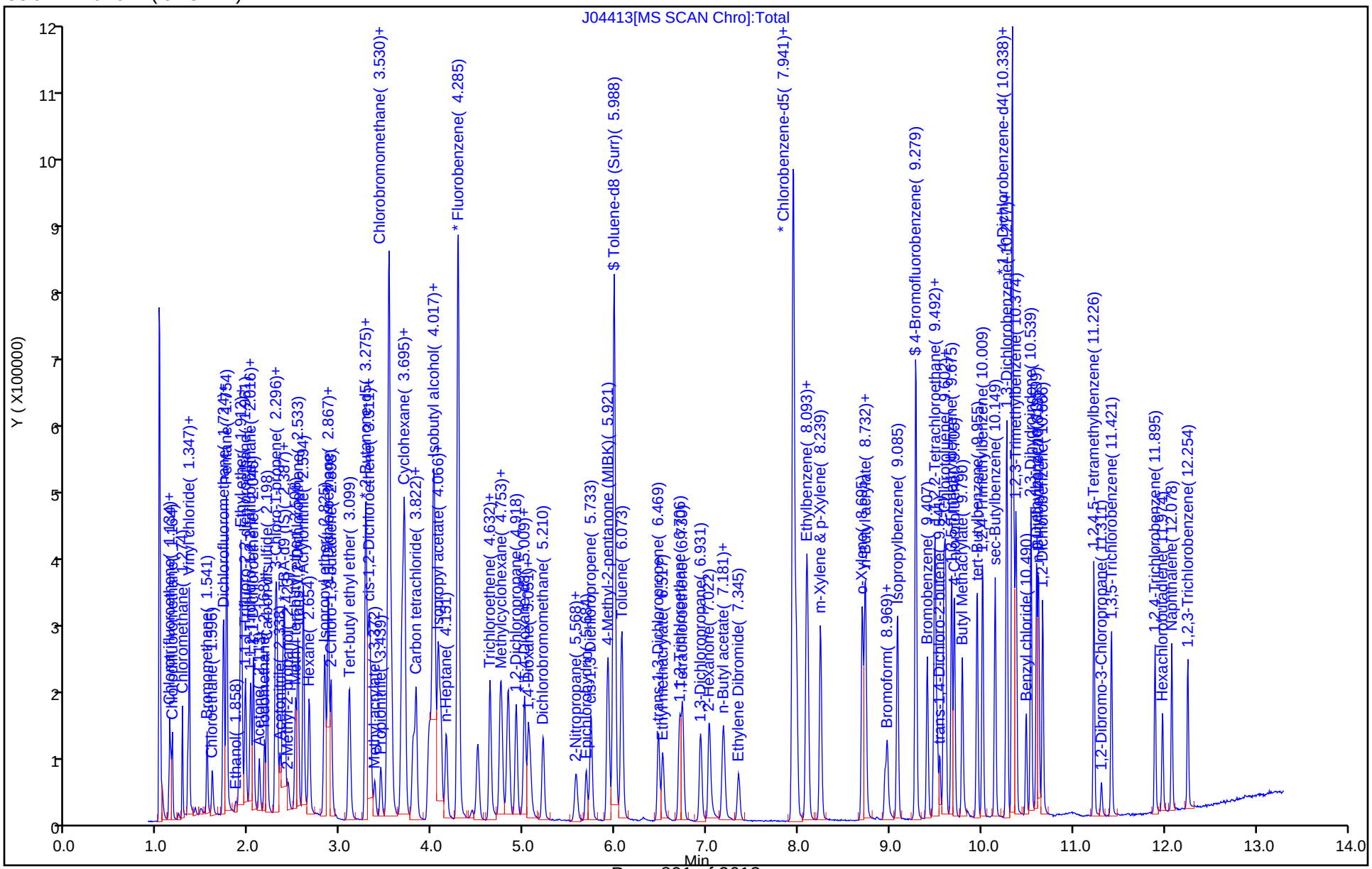
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04413.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 16-May-2024 09:04:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0175969-004
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 17:14:00 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: RD6L Date: 16-May-2024 09:28:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	50.7	101.36
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.8	101.60
$ 83 Toluene-d8 (Surr)	50.0	51.7	103.39
$ 105 4-Bromofluorobenzene	50.0	45.3	90.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-975195/5

Matrix: Solid | Lab File ID: J04414.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 09:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	21.0		1.0	0.26
107-06-2	1,2-Dichloroethane	18.6		1.0	0.43
78-93-3	2-Butanone (MEK)	89.6		5.0	1.9
71-43-2	Benzene	20.3		1.0	0.20
56-23-5	Carbon tetrachloride	17.6		1.0	0.21
108-90-7	Chlorobenzene	19.8		1.0	0.38
67-66-3	Chloroform	19.8		1.0	0.33
127-18-4	Tetrachloroethene	19.0		1.0	0.25
79-01-6	Trichloroethene	18.1		1.0	0.31
75-01-4	Vinyl chloride	19.4		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-128
460-00-4	4-Bromofluorobenzene	92		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04414.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 16-May-2024 09:29:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0175969-005
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 17:14:00 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: RD6L Date: 16-May-2024 10:00:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.127	1.125	0.002	85	3984	20.0	15.7	
4 Dichlorodifluoromethane	85	1.146	1.149	-0.003	99	56727	20.0	18.9	
5 Chlorodifluoromethane	67	1.164	1.161	0.003	98	8636	20.0	17.5	
6 Chloromethane	50	1.273	1.271	0.002	99	71939	20.0	19.1	
7 Vinyl chloride	62	1.334	1.332	0.002	97	62308	20.0	19.4	
8 Butadiene	54	1.346	1.350	-0.004	98	60290	20.0	16.9	
9 Bromomethane	94	1.541	1.539	0.002	98	46470	20.0	21.6	
10 Chloroethane	64	1.596	1.599	-0.003	99	32615	20.0	19.8	
12 Dichlorofluoromethane	67	1.718	1.715	0.003	98	111536	20.0	22.1	
11 Trichlorofluoromethane	101	1.724	1.727	-0.003	98	89060	20.0	21.7	
13 Pentane	43	1.754	1.758	-0.004	95	182877	40.0	40.9	
14 Ethanol	46	1.857	1.855	0.002	97	8980	800.0	1037.2	
15 Ethyl ether	59	1.894	1.891	0.003	94	44621	20.0	19.4	
16 2-Methyl-1,3-butadiene	53	1.912	1.910	0.002	98	49295	20.0	19.4	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.918	1.922	-0.004	93	46786	20.0	20.3	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.961	1.958	0.003	95	89410	20.0	21.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.016	2.019	-0.003	98	59285	20.0	21.3	
19 Acrolein	56	2.022	2.025	-0.003	94	14120	40.0	43.0	
21 1,1-Dichloroethene	96	2.046	2.050	-0.004	99	55450	20.0	21.0	
22 Acetone	43	2.113	2.110	0.003	86	67423	100.0	92.5	
23 Iodomethane	142	2.168	2.165	0.003	98	68193	20.0	20.1	
25 Isopropyl alcohol	45	2.174	2.177	-0.003	56	27268	200.0	225.0	
24 Carbon disulfide	76	2.198	2.196	0.002	99	207124	20.0	19.8	
26 3-Chloro-1-propene	76	2.289	2.287	0.002	95	34285	20.0	20.0	
28 Methyl acetate	43	2.295	2.293	0.002	99	75025	40.0	47.6	
27 Cyclopentene	67	2.308	2.305	0.003	95	122497	20.0	20.1	
29 Acetonitrile	41	2.338	2.336	0.002	97	56637	200.0	209.6	
* 30 TBA-d9 (IS)	65	2.368	2.372	-0.004	75	214343	1000.0	1000.0	
31 Methylene Chloride	84	2.387	2.390	-0.003	94	66105	20.0	22.1	
32 2-Methyl-2-propanol	59	2.423	2.427	-0.004	99	36757	200.0	220.7	
33 Methyl tert-butyl ether	73	2.508	2.512	-0.004	97	135420	20.0	18.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	2.539	2.536	0.003	94	63491	20.0	20.0	
35 Acrylonitrile	53	2.594	2.591	0.003	94	180345	200.0	210.4	
36 Hexane	57	2.654	2.658	-0.004	93	59589	20.0	20.3	
37 Isopropyl ether	45	2.825	2.828	-0.003	98	181090	20.0	17.9	
38 1,1-Dichloroethane	63	2.861	2.859	0.002	99	119408	20.0	19.2	
39 Vinyl acetate	43	2.867	2.865	0.002	100	223214	40.0	39.5	
40 2-Chloro-1,3-butadiene	88	2.898	2.901	-0.003	91	50987	20.0	18.3	
41 Tert-butyl ethyl ether	59	3.099	3.096	0.002	87	158729	20.0	17.9	
* 43 2-Butanone-d5	46	3.275	3.272	0.003	98	342329	250.0	250.0	
42 2,2-Dichloropropane	79	3.281	3.278	0.003	96	27760	20.0	17.7	
44 cis-1,2-Dichloroethene	96	3.305	3.309	-0.004	96	68078	20.0	18.3	
45 Ethyl acetate	70	3.324	3.321	0.003	96	9757	40.0	35.5	
46 2-Butanone (MEK)	72	3.324	3.321	0.003	95	26063	100.0	89.6	
47 Methyl acrylate	55	3.372	3.376	-0.004	100	44207	20.0	17.6	
48 Propionitrile	54	3.439	3.437	0.002	97	72477	200.0	196.9	
50 Chlorobromomethane	128	3.506	3.510	-0.004	92	34023	20.0	19.8	
49 Tetrahydrofuran	72	3.518	3.516	0.002	37	12057	40.0	41.3	a
51 Methacrylonitrile	67	3.530	3.528	0.002	94	220555	200.0	181.1	
52 Chloroform	83	3.555	3.552	0.003	98	120298	20.0	19.8	
53 Cyclohexane	84	3.670	3.668	0.002	95	72948	20.0	17.5	
54 1,1,1-Trichloroethane	97	3.683	3.680	0.003	98	91819	20.0	19.0	
$ 55 Dibromofluoromethane (Surr)	113	3.701	3.698	0.003	95	191625	50.0	50.6	
56 Carbon tetrachloride	117	3.792	3.796	-0.004	97	71208	20.0	17.6	
57 1,1-Dichloropropene	75	3.822	3.826	-0.004	97	81833	20.0	18.9	
58 Isobutyl alcohol	43	3.962	3.966	-0.004	95	61456	500.0	463.3	
59 Isooctane	57	3.975	3.978	-0.003	98	121296	20.0	21.7	
60 Benzene	78	4.005	4.008	-0.003	97	248013	20.0	20.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.023	4.027	-0.004	0	198582	50.0	50.9	
62 Isopropyl acetate	43	4.066	4.069	-0.003	92	139958	20.0	16.6	
63 Tert-amyl methyl ether	55	4.066	4.069	-0.003	81	39564	20.0	20.2	
64 1,2-Dichloroethane	62	4.096	4.094	0.002	96	76964	20.0	18.6	
65 n-Heptane	57	4.151	4.154	-0.003	97	24479	20.0	19.7	
* 66 Fluorobenzene	96	4.285	4.282	0.003	99	739198	50.0	50.0	
68 Trichloroethene	95	4.632	4.629	0.003	97	62998	20.0	18.1	
67 n-Butanol	56	4.632	4.641	-0.009	33	14964	500.0	337.1	
69 Methylcyclohexane	83	4.747	4.745	0.002	92	70545	20.0	18.3	
70 Ethyl acrylate	55	4.759	4.757	0.002	96	115748	20.0	16.9	
71 1,2-Dichloropropane	63	4.917	4.915	0.002	92	64947	20.0	18.0	
* 72 1,4-Dioxane-d8	96	4.990	4.988	0.002	0	28089	1000.0	1000.0	
73 Methyl methacrylate	100	5.009	5.006	0.003	94	21906	40.0	31.1	
75 1,4-Dioxane	88	5.051	5.049	0.002	40	10747	400.0	497.3	
74 Dibromomethane	93	5.051	5.049	0.002	94	44376	20.0	19.2	
76 n-Propyl acetate	43	5.076	5.073	0.003	98	67986	20.0	15.6	
77 Dichlorobromomethane	83	5.209	5.213	-0.004	99	82760	20.0	18.5	
78 2-Nitropropane	41	5.562	5.560	0.002	88	18596	40.0	26.1	
79 2-Chloroethyl vinyl ether	63	5.574	5.572	0.002	90	22991	20.0	17.9	
80 Epichlorohydrin	57	5.678	5.681	-0.003	99	61475	400.0	265.4	a
81 cis-1,3-Dichloropropene	75	5.733	5.736	-0.003	93	95221	20.0	18.3	
82 4-Methyl-2-pentanone (MIBK)	43	5.921	5.919	0.002	97	215708	100.0	89.6	
$ 83 Toluene-d8 (Surr)	98	5.988	5.986	0.002	99	574398	50.0	51.7	
84 Toluene	91	6.073	6.071	0.002	93	223700	20.0	19.2	
85 trans-1,3-Dichloropropene	75	6.469	6.472	-0.003	98	81195	20.0	17.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.517	6.521	-0.004	93	55645	20.0	15.5	
87 1,1,2-Trichloroethane	83	6.700	6.703	-0.003	98	49362	20.0	20.1	
88 Tetrachloroethene	166	6.736	6.734	0.002	97	53692	20.0	19.0	
89 1,3-Dichloropropane	76	6.931	6.929	0.002	96	86118	20.0	20.4	
90 2-Hexanone	58	7.028	7.026	0.002	99	72400	100.0	80.9	
91 n-Butyl acetate	43	7.168	7.172	-0.004	97	68108	20.0	16.8	
92 Chlorodibromomethane	129	7.187	7.184	0.003	98	58520	20.0	18.4	
93 Ethylene Dibromide	107	7.345	7.348	-0.003	99	58053	20.0	19.6	
* 94 Chlorobenzene-d5	117	7.941	7.944	-0.003	87	481309	50.0	50.0	
95 Chlorobenzene	112	7.977	7.981	-0.004	95	142923	20.0	19.8	
96 Ethylbenzene	106	8.087	8.091	-0.004	99	70542	20.0	18.6	
97 1,1,1,2-Tetrachloroethane	131	8.099	8.103	-0.004	96	49514	20.0	18.1	
98 m-Xylene & p-Xylene	106	8.239	8.243	-0.004	0	86166	20.0	18.5	
99 o-Xylene	106	8.695	8.699	-0.004	93	84958	20.0	19.0	
100 n-Butyl acrylate	73	8.720	8.717	0.003	97	32312	20.0	14.6	
101 Styrene	104	8.732	8.735	-0.003	95	140582	20.0	18.2	
103 Bromoform	173	8.945	8.948	-0.003	95	32003	20.0	14.6	
102 Amyl acetate (mixed isomers)	43	8.969	8.967	0.002	89	67354	20.0	14.3	
104 Isopropylbenzene	105	9.085	9.082	0.003	96	184739	20.0	19.1	
$ 105 4-Bromofluorobenzene	174	9.285	9.283	0.002	93	162550	50.0	46.2	
106 Bromobenzene	156	9.407	9.411	-0.004	98	59157	20.0	19.5	
107 1,1,2,2-Tetrachloroethane	83	9.480	9.478	0.002	98	68686	20.0	21.6	
108 N-Propylbenzene	91	9.492	9.490	0.002	98	251099	20.0	21.8	
109 1,2,3-Trichloropropane	110	9.517	9.514	0.003	96	15538	20.0	21.3	
110 trans-1,4-Dichloro-2-butene	53	9.541	9.544	-0.003	87	15501	20.0	16.8	a
111 2-Chlorotoluene	91	9.590	9.587	0.003	97	181425	20.0	21.9	
112 4-Ethyltoluene	105	9.608	9.605	0.003	98	207950	20.0	21.6	
113 1,3,5-Trimethylbenzene	105	9.675	9.672	0.003	92	168678	20.0	20.9	
114 4-Chlorotoluene	91	9.699	9.703	-0.004	98	163032	20.0	20.5	
115 Butyl Methacrylate	87	9.790	9.788	0.002	94	50324	20.0	15.2	
116 tert-Butylbenzene	119	9.948	9.952	-0.004	92	130976	20.0	21.0	
117 1,2,4-Trimethylbenzene	105	10.009	10.013	-0.004	98	174110	20.0	20.6	
118 sec-Butylbenzene	105	10.149	10.147	0.002	99	201027	20.0	22.2	
120 1,3-Dichlorobenzene	146	10.271	10.268	0.003	95	100090	20.0	19.6	
119 4-Isopropyltoluene	119	10.277	10.281	-0.004	97	158653	20.0	20.2	
* 121 1,4-Dichlorobenzene-d4	152	10.338	10.335	0.003	96	232576	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.356	10.354	0.002	96	106058	20.0	19.9	
123 1,2,3-Trimethylbenzene	105	10.374	10.378	-0.004	99	189914	20.0	20.7	
124 Benzyl chloride	91	10.484	10.487	-0.003	98	85953	20.0	15.0	
125 2,3-Dihydroindene	117	10.539	10.542	-0.003	95	181851	20.0	20.4	
126 p-Diethylbenzene	119	10.599	10.603	-0.004	92	97876	20.0	21.5	
127 n-Butylbenzene	92	10.624	10.621	0.003	98	87152	20.0	22.7	
128 1,2-Dichlorobenzene	146	10.666	10.670	-0.004	96	97243	20.0	19.3	
129 1,2,4,5-Tetramethylbenzene	119	11.226	11.230	-0.004	97	148701	20.0	19.2	
130 1,2-Dibromo-3-Chloropropane	157	11.311	11.309	0.002	97	9747	20.0	13.4	
131 1,3,5-Trichlorobenzene	180	11.421	11.418	0.003	97	65305	20.0	19.1	
132 1,2,4-Trichlorobenzene	180	11.895	11.899	-0.004	94	56802	20.0	17.5	
133 Hexachlorobutadiene	225	11.980	11.978	0.002	94	20571	20.0	18.2	
134 Naphthalene	128	12.078	12.075	0.003	99	136664	20.0	16.1	
135 1,2,3-Trichlorobenzene	180	12.254	12.252	0.002	94	51129	20.0	17.4	
S 136 1,2-Dichloroethene, Total	100				0		40.0	38.2	
S 137 Xylenes, Total	100				0		40.0	37.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Total BTEX	1				0		100.0	95.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

GASES Li_00583	Amount Added:	20.00	Units: uL	
ACROLEIN W_00168	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00187	Amount Added:	20.00	Units: uL	
524FREONS_00019	Amount Added:	20.00	Units: uL	
8260ISNEW_00203	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00246	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 16-May-2024 17:16:07 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04414.D

Injection Date: 16-May-2024 09:29:30 Instrument ID: CVOAMS8 Operator ID:

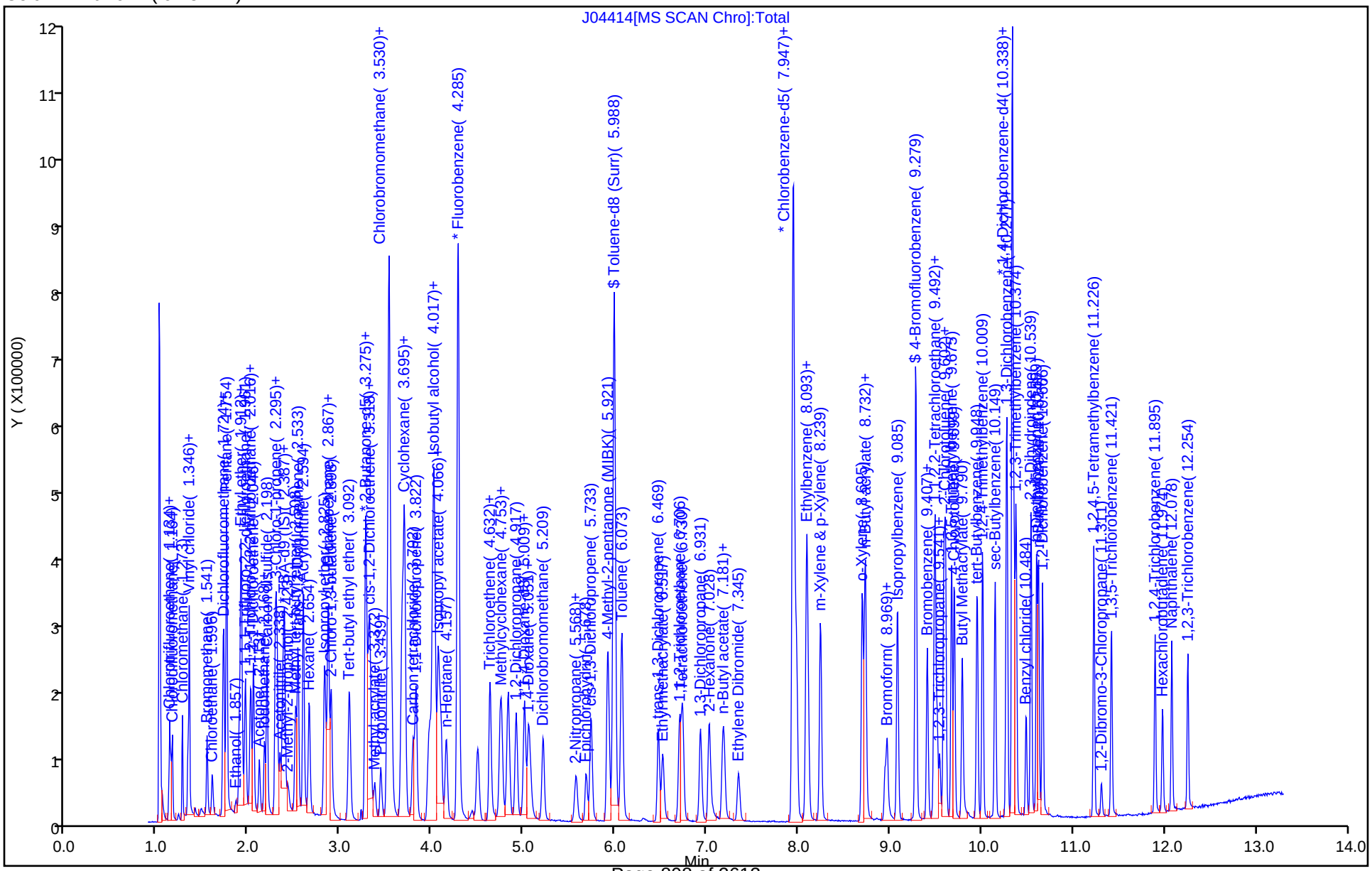
Lims ID: LCSD Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Report Date: 16-May-2024 17:16:07 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04414.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 16-May-2024 09:29:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0175969-005
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 17:14:00 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: RD6L Date: 16-May-2024 10:00:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	50.6	101.26
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.9	101.86
$ 83 Toluene-d8 (Surr)	50.0	51.7	103.42
$ 105 4-Bromofluorobenzene	50.0	46.2	92.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-4W-20240508-0.75-3.2 MS | Lab Sample ID: 460-303610-1 MS

Matrix: Solid (TCLP) | Lab File ID: J04440.D

Analysis Method: 8260D | Date Collected: 05/08/2024 13:05

Sample wt/vol: 5(mL) | Date Analyzed: 05/16/2024 20:21

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 975195 | Units: ug/L

Preparation Batch No.: | Instrument ID: VOAMS8

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	238		10	2.6
107-06-2	1,2-Dichloroethane	205		10	4.3
78-93-3	2-Butanone (MEK)	866		50	19
71-43-2	Benzene	214		10	2.0
56-23-5	Carbon tetrachloride	194		10	2.1
108-90-7	Chlorobenzene	211		10	3.8
67-66-3	Chloroform	209		10	3.3
127-18-4	Tetrachloroethene	200		10	2.5
79-01-6	Trichloroethene	191		10	3.1
75-01-4	Vinyl chloride	221		10	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-128
460-00-4	4-Bromofluorobenzene	76		76-120
1868-53-7	Dibromofluoromethane (Surr)	87		77-132
2037-26-5	Toluene-d8 (Surr)	88		80-120

Report Date: 16-May-2024 20:47:35 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04440.D
Lims ID: 460-303610-E-1-A MS
Client ID:
Sample Type: MS
Inject. Date: 16-May-2024 20:21:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-1-A MS
Misc. Info.: 460-0175969-031
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:37:46 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 20:47:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
7 Vinyl chloride	62	1.328	1.332	-0.004	97	70224	20.0	22.1	
21 1,1-Dichloroethene	96	2.045	2.050	-0.005	98	62112	20.0	23.8	
* 30 TBA-d9 (IS)	65	2.368	2.372	-0.004	81	233492	1000.0	1000.0	
* 43 2-Butanone-d5	46	3.268	3.272	-0.004	97	373864	250.0	250.0	
46 2-Butanone (MEK)	72	3.317	3.321	-0.004	95	27522	100.0	86.6	
52 Chloroform	83	3.548	3.552	-0.004	98	125570	20.0	20.9	
$ 55 Dibromofluoromethane (Surr)	113	3.694	3.698	-0.004	96	163026	50.0	43.6	
56 Carbon tetrachloride	117	3.785	3.796	-0.011	98	77755	20.0	19.4	
60 Benzene	78	3.998	4.008	-0.010	97	256110	20.0	21.4	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.016	4.027	-0.011	0	168174	50.0	43.6	
64 1,2-Dichloroethane	62	4.089	4.094	-0.005	95	83799	20.0	20.5	
* 66 Fluorobenzene	96	4.278	4.282	-0.004	99	731010	50.0	50.0	
68 Trichloroethene	95	4.625	4.629	-0.004	98	65639	20.0	19.1	
* 72 1,4-Dioxane-d8	96	4.984	4.988	-0.004	0	26111	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.975	5.986	-0.011	99	480075	50.0	44.2	
88 Tetrachloroethene	166	6.724	6.734	-0.010	96	55220	20.0	20.0	
* 94 Chlorobenzene-d5	117	7.934	7.944	-0.010	87	470966	50.0	50.0	
95 Chlorobenzene	112	7.971	7.981	-0.010	95	149117	20.0	21.1	
$ 105 4-Bromofluorobenzene	174	9.279	9.283	-0.004	92	131336	50.0	38.2	
* 121 1,4-Dichlorobenzene-d4	152	10.331	10.335	-0.004	96	220090	50.0	50.0	

QC Flag Legend

Processing Flags

Reagents:

8260MIX1COMB_00187	Amount Added:	20.00	Units: uL	
ACROLEIN W_00168	Amount Added:	4.00	Units: uL	
GASES Li_00583	Amount Added:	20.00	Units: uL	
524FREONS_00019	Amount Added:	20.00	Units: uL	
8260ISNEW_00203	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00246	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 16-May-2024 20:47:35 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04440.D

Injection Date: 16-May-2024 20:21:30 Instrument ID: CVOAMS8 Operator ID:

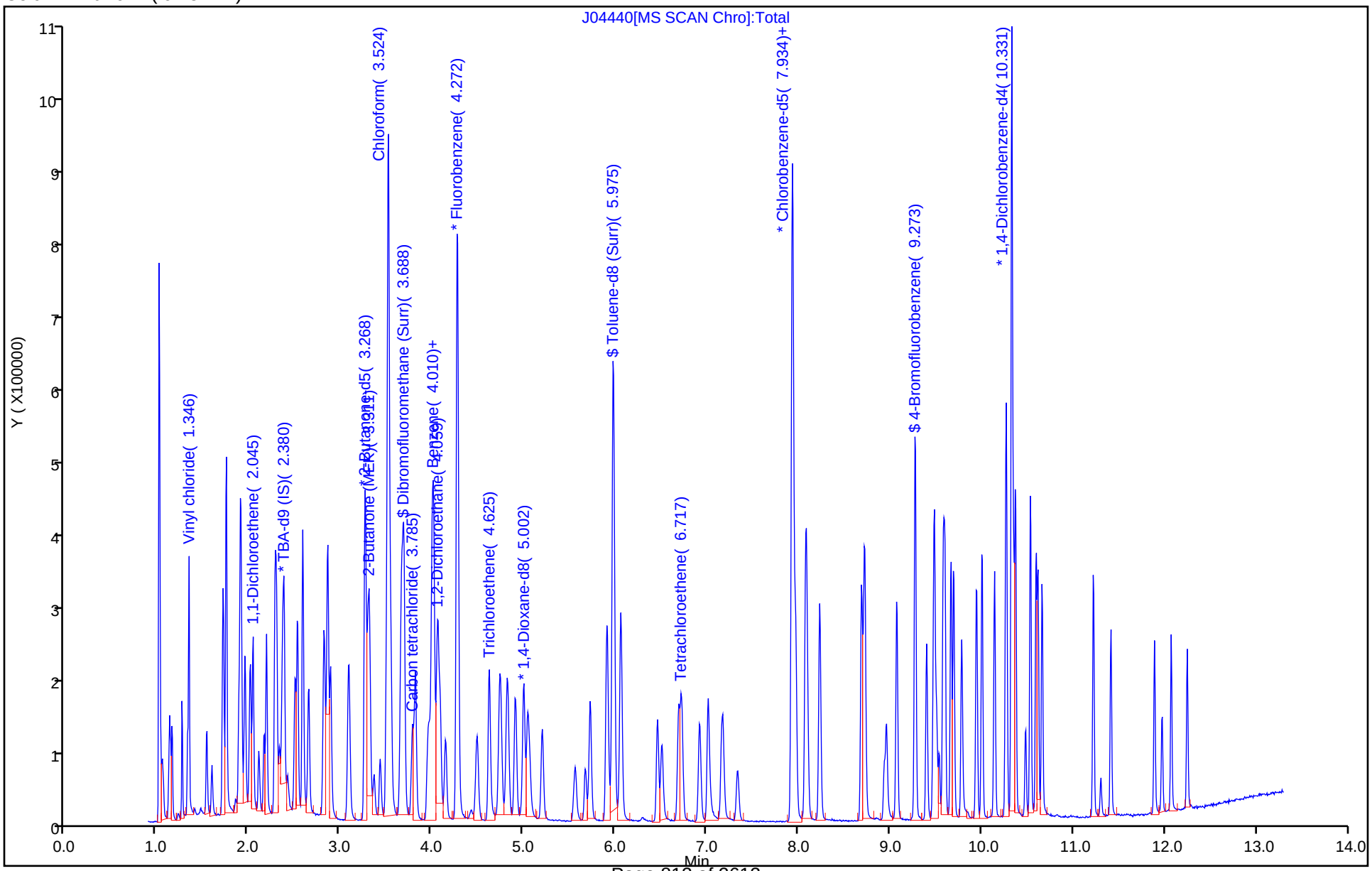
Lims ID: 460-303610-E-1-A MS Worklist Smp#: 31

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 10.0000 ALS Bottle#: 30

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\J04440.D
Lims ID: 460-303610-E-1-A MS
Client ID:
Sample Type: MS
Inject. Date: 16-May-2024 20:21:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-303610-E-1-A MS
Misc. Info.: 460-0175969-031
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20240516-175969.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-May-2024 18:37:46 Calib Date: 03-Apr-2024 22:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20240403-174171.b\J02844.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: XE5L Date: 16-May-2024 20:47:34

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	43.6	87.11
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	43.6	87.23
$ 83 Toluene-d8 (Surr)	50.0	44.2	88.34
$ 105 4-Bromofluorobenzene	50.0	38.2	76.32

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Start Date: 04/03/2024 15:59

Analysis Batch Number: 967428 End Date: 04/04/2024 07:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-967428/1		04/03/2024 15:59	1	J02830.D	Rtx-624 0.25(mm)
STD1 460-967428/4 IC		04/03/2024 17:55	1	J02833.D	Rtx-624 0.25(mm)
STD5 460-967428/5 IC		04/03/2024 18:20	1	J02834.D	Rtx-624 0.25(mm)
STD20 460-967428/6 ICIS		04/03/2024 18:46	1	J02835.D	Rtx-624 0.25(mm)
STD50 460-967428/7 IC		04/03/2024 19:11	1	J02836.D	Rtx-624 0.25(mm)
STD200 460-967428/8 IC		04/03/2024 19:36	1	J02837.D	Rtx-624 0.25(mm)
STD500 460-967428/9 IC		04/03/2024 20:01	1	J02838.D	Rtx-624 0.25(mm)
STD7 460-967428/15 IC		04/03/2024 22:32	1	J02844.D	Rtx-624 0.25(mm)
ICV 460-967428/16		04/03/2024 22:57	1	J02845.D	Rtx-624 0.25(mm)
ZZZZZ		04/03/2024 23:36	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 00:02	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 02:06	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 02:34	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 02:58	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 03:22	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 03:46	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 04:11	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 04:35	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 04:59	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 05:47	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 06:11	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 06:35	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 06:59	1		Rtx-624 0.25(mm)
ZZZZZ		04/04/2024 07:23	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CVOAMS8 Start Date: 05/16/2024 08:38

Analysis Batch Number: 975195 End Date: 05/16/2024 20:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-975195/3		05/16/2024 08:38	1	J04412.D	Rtx-624 0.25(mm)
LCS 460-975195/4		05/16/2024 09:04	1	J04413.D	Rtx-624 0.25(mm)
LCSD 460-975195/5		05/16/2024 09:29	1	J04414.D	Rtx-624 0.25(mm)
MB 460-975195/10		05/16/2024 11:34	1	J04419.D	Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 11:59	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 12:25	25		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 12:50	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 13:15	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 13:40	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 14:05	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 14:30	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 14:55	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 15:20	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 15:46	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 16:11	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 16:36	10		Rtx-624 0.25(mm)
460-303610-1	PL-C-4W-20240508-0.75-3.2	05/16/2024 17:01	10	J04432.D	Rtx-624 0.25(mm)
460-303610-2	PL-C-1W-20240508-0.75-4.1	05/16/2024 17:26	10	J04433.D	Rtx-624 0.25(mm)
460-303610-3	PL-C-5W-20240508-0.75-7.8	05/16/2024 17:51	10	J04434.D	Rtx-624 0.25(mm)
460-303610-4	PL-C-2W-20240508-1.7-7.4	05/16/2024 18:16	10	J04435.D	Rtx-624 0.25(mm)
460-303610-5	PL-C-3W-20240508-0.85-3.2	05/16/2024 18:41	10	J04436.D	Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 19:06	10		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 19:31	25		Rtx-624 0.25(mm)
ZZZZZ		05/16/2024 19:56	10		Rtx-624 0.25(mm)
460-303610-1 MS	PL-C-4W-20240508-0.75-3.2 MS	05/16/2024 20:21	10	J04440.D	Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 967428 Batch Start Date: 04/03/24 15:59 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	14DIOXINTER 00167	524FREONS 00016	7 Freons Hi 00013	7 Freons SS 00012
BFB 460-967428/1		8260D			5 mL	5 mL				
STD1 460-967428/4 IC		8260D			5 mL	5 mL	30 uL	10 uL		
STD5 460-967428/5 IC		8260D			5 mL	5 mL		10 uL		
STD20 460-967428/6 ICIS		8260D			5 mL	5 mL		20 uL		
STD50 460-967428/7 IC		8260D			5 mL	5 mL		50 uL		
STD200 460-967428/8 IC		8260D			5 mL	5 mL			20 uL	
STD500 460-967428/9 IC		8260D			5 mL	5 mL			50 uL	
STD7 460-967428/15 IC		8260D			5 mL	5 mL				
ICV 460-967428/16		8260D			5 mL	5 mL				20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00178	8260ISNEW 00171	8260MIX1COMB 00185	8260SURR250 00245	ACROLEIN SP 00163	ACROLEIN W 00167
BFB 460-967428/1		8260D								
STD1 460-967428/4 IC		8260D				1 uL	10 uL	1 uL		4 uL
STD5 460-967428/5 IC		8260D				1 uL	10 uL	1 uL		4 uL
STD20 460-967428/6 ICIS		8260D				1 uL	20 uL	1 uL		4 uL
STD50 460-967428/7 IC		8260D				1 uL	50 uL	1 uL		10 uL
STD200 460-967428/8 IC		8260D				1 uL		1 uL		20 uL
STD500 460-967428/9 IC		8260D				1 uL		1 uL		40 uL
STD7 460-967428/15 IC		8260D				1 uL		1 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 967428 Batch Start Date: 04/03/24 15:59 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00178	8260ISNEW 00171	8260MIX1COMB 00185	8260SURR250 00245	ACROLEIN SP 00163	ACROLEIN W 00167
ICV 460-967428/16		8260D			20 uL	1 uL		1 uL	4 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ACRY/EPIH MIX 00123	BFB 00035	Ethanol mix 00088	GAS C SP 00561	GAS Hi 00466	GASES Li 00578
BFB 460-967428/1		8260D				1 uL				
STD1 460-967428/4 IC		8260D								10 uL
STD5 460-967428/5 IC		8260D								10 uL
STD20 460-967428/6 ICIS		8260D								20 uL
STD50 460-967428/7 IC		8260D								50 uL
STD200 460-967428/8 IC		8260D					20 uL		20 uL	
STD500 460-967428/9 IC		8260D					50 uL		50 uL	
STD7 460-967428/15 IC		8260D			20 uL					2.5 uL
ICV 460-967428/16		8260D						20 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MIX 2 Hi 00148	MIX I Hi 00175	VMTBA500 00048			
BFB 460-967428/1		8260D								
STD1 460-967428/4 IC		8260D								
STD5 460-967428/5 IC		8260D								
STD20 460-967428/6 ICIS		8260D								
STD50 460-967428/7 IC		8260D								
STD200 460-967428/8 IC		8260D			20 uL	20 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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 967428 Batch Start Date: 04/03/24 15:59 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MIX 2 Hi 00148	MIX I Hi 00175	VMTBA500 00048			
STD500 460-967428/9 IC		8260D			50 uL	50 uL				
STD7 460-967428/15 IC		8260D					2 uL			
ICV 460-967428/16		8260D								

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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974315 Batch Start Date: 05/11/24 12:30 Batch Analyst: Baker, Benjamin J

Batch Method: 1311 Batch End Date: 05/12/24 06:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VesselNumber	LeachVolume	LeachatepH	
460-303610-E-1 MS	PL-C-4W-20240508-0.75-3.2	1311, 8260D		P	25.10 g	500 mL	9	40 mL	5.48 SU	
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 8260D	Solid	P	25.10 g	500 mL	9	40 mL	5.48 SU	
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 8260D	Solid	P	25.16 g	500 mL	15	40 mL	5.14 SU	
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 8260D	Solid	P	25.13 g	500 mL	21	40 mL	4.99 SU	
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 8260D	Solid	P	25.00 g	500 mL	25	40 mL	5.57 SU	
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 8260D	Solid	P	25.18 g	500 mL	26	40 mL	5.00 SU	

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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974315 Batch Start Date: 05/11/24 12:30 Batch Analyst: Baker, Benjamin J

Batch Method: 1311 Batch End Date: 05/12/24 06:30

Batch Notes	
Thermometer ID	181404028
First Start time	05/11/2024 12:30
First End time	05/12/2024 06:30
Tumbler Rotations per Minute	30
Balance ID	21
Balance is Level? (Y/N)	yes
Room Temperature Thermometer ID	188086
TCLP Fluid pH	4.93 SU
TCLP Fluid 1 ID	ZF1050124
Uncorrected Minimum Temperature	22.6 Celsius
Minumum Temperature	22.6 Celsius
Uncorrected Maximum Temperature	23.4 Celsius
Maximum Temperature	23.4 Celsius
pH Buffer 1 ID	pH 1.68: BX1
pH Buffer 2 ID	pH 4.00: 230419
pH Buffer 3 ID	pH 7.00: 224883
pH Buffer 4 ID	pH 10.00 224884
pH Meter Calibration Slope	98.0%
pH Meter ID	A
Probe ID	Z
Filter Paper ID	400216-3125-AG
Uncorrected Initial Room Temperature	24.0 Degrees C
Corrected Initial Room Temperature	24.0 Degrees C
Filtration Start Time	05/12/2024 11:00
Filtration End Time	05/12/2024 12:00
Analyst ID - Filtration	Ben
Filtration Date	05/12/2024
Batch Comment	ZHE TCLP SOIL

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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974315 Batch Start Date: 05/11/24 12:30 Batch Analyst: Baker, Benjamin J

Batch Method: 1311 Batch End Date: 05/12/24 06:30

Basis	Basis Description
P	TCLP

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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975195 Batch Start Date: 05/16/24 08:38 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	524FREONS 00019	8260ISNEW 00203	8260MIX1COMB 00187	8260SURR250 00246
CCVIS 460-975195/3		8260D			5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-975195/4		8260D			5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCSD 460-975195/5		8260D			5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-975195/10		8260D			5 mL	5 mL		1 uL		1 uL
460-303610-E-1-B	PL-C-4W-20240508-0.75-3.2	8260D	Solid	P	5 mL	5 mL		1 uL		1 uL
460-303610-E-2-A	PL-C-1W-20240508-0.75-4.1	8260D	Solid	P	5 mL	5 mL		1 uL		1 uL
460-303610-E-3-A	PL-C-5W-20240508-0.75-7.8	8260D	Solid	P	5 mL	5 mL		1 uL		1 uL
460-303610-E-4-A	PL-C-2W-20240508-1.7-7.4	8260D	Solid	P	5 mL	5 mL		1 uL		1 uL
460-303610-E-5-A	PL-C-3W-20240508-0.85-3.2	8260D	Solid	P	5 mL	5 mL		1 uL		1 uL
460-303610-E-1-A MS	PL-C-4W-20240508-0.75-3.2	8260D		P	5 mL	5 mL	20 uL	1 uL	20 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ACROLEIN W 00168	GASES Li 00583				
CCVIS 460-975195/3		8260D			4 uL	20 uL				
LCS 460-975195/4		8260D			4 uL	20 uL				
LCSD 460-975195/5		8260D			4 uL	20 uL				
MB 460-975195/10		8260D								
460-303610-E-1-B	PL-C-4W-20240508-0.75-3.2	8260D	Solid	P						
460-303610-E-2-A	PL-C-1W-20240508-0.75-4.1	8260D	Solid	P						
460-303610-E-3-A	PL-C-5W-20240508-0.75-7.8	8260D	Solid	P						
460-303610-E-4-A	PL-C-2W-20240508-1.7-7.4	8260D	Solid	P						
460-303610-E-5-A	PL-C-3W-20240508-0.85-3.2	8260D	Solid	P						

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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975195 Batch Start Date: 05/16/24 08:38 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ACROLEIN W 00168	GASES Li 00583				
460-303610-E-1-A MS	PL-C-4W-20240508-0.75-3.2	8260D		P	4 uL	20 uL				

Batch Notes	

Basis	Basis Description
P	TCLP

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.

8270E

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
PL-C-4W-20240508-0.75-3.2	460-303610-1	69	52	94	86	112	86
PL-C-1W-20240508-0.75-4.1	460-303610-2	76	59 S1+	105	98	131	93
PL-C-5W-20240508-0.75-7.8	460-303610-3	64	49	92	87	107	82
PL-C-2W-20240508-1.7-7.4	460-303610-4	50	34	95	91	112	73
PL-C-3W-20240508-0.85-3.2	460-303610-5	73	54	103	96	118	86
	MB 460-974526/1-A	46	32	96	86	111	104
	LB 460-974423/1-B	74	55	99	93	122	96
	LCS 460-974526/2-A	48	32	98	88	124	107
	LCSD 460-974526/3-A	47	32	95	89	123	107

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	16-80
PHL = Phenol-d5 (Surr)	10-56
NBZ = Nitrobenzene-d5 (Surr)	51-145
FBP = 2-Fluorobiphenyl	46-139
TBP = 2,4,6-Tribromophenol (Surr)	37-150
TPHL = Terphenyl-d14 (Surr)	13-150

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P85196.D

Lab ID: LCS 460-974526/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	80.0	41.8	52	21-120	
2,4,5-Trichlorophenol	80.0	83.5	104	67-131	
2,4,6-Trichlorophenol	80.0	89.2	112	68-134	
2,4-Dinitrotoluene	80.0	92.2	115	68-146	
2-Methylphenol	80.0	56.3	70	44-120	
3 & 4 Methylphenol	80.0	51.3	64	37-120	
Hexachlorobenzene	80.0	92.3	115	61-142	
Hexachlorobutadiene	80.0	34.6	43	21-120	
Hexachloroethane	80.0	34.9	44	16-120	
Nitrobenzene	80.0	81.2	101	64-120	
Pentachlorophenol	160	167	105	51-150	
Pyridine	160	45.8	29	13-120	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P85198.D

Lab ID: LCSD 460-974526/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dichlorobenzene	80.0	40.5	51	3	30	21-120	
2,4,5-Trichlorophenol	80.0	84.3	105	1	30	67-131	
2,4,6-Trichlorophenol	80.0	88.3	110	1	30	68-134	
2,4-Dinitrotoluene	80.0	92.5	116	0	30	68-146	
2-Methylphenol	80.0	56.3	70	0	30	44-120	
3 & 4 Methylphenol	80.0	50.6	63	1	30	37-120	
Hexachlorobenzene	80.0	93.2	116	1	30	61-142	
Hexachlorobutadiene	80.0	33.4	42	4	30	21-120	
Hexachloroethane	80.0	34.1	43	2	30	16-120	
Nitrobenzene	80.0	80.1	100	1	30	64-120	
Pentachlorophenol	160	168	105	0	30	51-150	
Pyridine	160	43.9	27	4	30	13-120	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab File ID: P85195.D Lab Sample ID: MB 460-974526/1-A

Matrix: Water Date Extracted: 05/13/2024 09:52

Instrument ID: CBNAMS18 Date Analyzed: 05/13/2024 19:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-974526/2-A	P85196.D	05/13/2024 20:16
	LB 460-974423/1-B	P85197.D	05/13/2024 20:38
	LCSD 460-974526/3-A	P85198.D	05/13/2024 21:01
PL-C-4W-20240508-0.75-3.2	460-303610-1	P85207.D	05/14/2024 00:58
PL-C-1W-20240508-0.75-4.1	460-303610-2	P85208.D	05/14/2024 01:19
PL-C-5W-20240508-0.75-7.8	460-303610-3	P85209.D	05/14/2024 01:40
PL-C-2W-20240508-1.7-7.4	460-303610-4	P85210.D	05/14/2024 02:01
PL-C-3W-20240508-0.85-3.2	460-303610-5	P85211.D	05/14/2024 02:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab File ID: P84775.D DFTPP Injection Date: 04/17/2024

Instrument ID: CBNAMS18 DFTPP Injection Time: 11:39

Analysis Batch No.: 969996

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2% of m/z 69	0.7 (1.8) 1
69	Present	40.9
70	Less than 2% of m/z 69	0.3 (0.8) 1
197	Less than 2% of m/z 198	1.1
198	Base Peak	100.0
199	5-9% of m/z 198	6.3
365	Greater than 1% of Base Peak	4.5
441	Less than 150% of m/z 443	24.4 (87.2) 3
442	Present	143.6
443	15-24% of m/z 442	28.0 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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
	STD24 460-969996/3	P84778.D	04/17/2024	12:39
	STD16 460-969996/4	P84780.D	04/17/2024	13:21
	STD4 460-969996/5	P84782.D	04/17/2024	14:04
	STD2 460-969996/6	P84784.D	04/17/2024	14:46
	STD1 460-969996/7	P84786.D	04/17/2024	15:28
	STD04 460-969996/8	P84788.D	04/17/2024	16:11
	STD02 460-969996/9	P84790.D	04/17/2024	16:53
	STD01 460-969996/10	P84792.D	04/17/2024	17:35
	ICIS 460-969996/11	P84794.D	04/17/2024	18:18
	ICV 460-969996/13	P84798.D	04/17/2024	19:42

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

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: ICIS 460-969996/11 Date Analyzed: 04/17/2024 18:18

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84794.D Heated Purge: (Y/N) N

Calibration ID: 96708

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		252141	3.85	1020962	5.08	556298	6.76
UPPER LIMIT		504282	4.35	2041924	5.58	1112596	7.26
LOWER LIMIT		126071	3.35	510481	4.58	278149	6.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-969996/13		274137	3.85	1078558	5.08	583672	6.76

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: ICIS 460-969996/11 Date Analyzed: 04/17/2024 18:18

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84794.D Heated Purge: (Y/N) N

Calibration ID: 96708

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		978226	8.15	673821	10.68	672195	12.35
UPPER LIMIT		1956452	8.65	1347642	11.18	1344390	12.85
LOWER LIMIT		489113	7.65	336911	10.18	336098	11.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-969996/13		1005633	8.15	693263	10.68	680216	12.35

PHN = Phenanthrene-d10
CRY = Chrysene-d12
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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: CCVIS 460-974604/2 Date Analyzed: 05/13/2024 18:56

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P85193.D Heated Purge: (Y/N) N

Calibration ID: 96708

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		364660	3.73	1364551	4.97	707756	6.64
UPPER LIMIT		729320	4.23	2729102	5.47	1415512	7.14
LOWER LIMIT		182330	3.23	682276	4.47	353878	6.14
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-974526/1-A		432705	3.72	1657795	4.97	897007	6.64
LCS 460-974526/2-A		403811	3.73	1553006	4.97	848821	6.64
LB 460-974423/1-B		408683	3.73	1562390	4.97	843227	6.64
LCSD 460-974526/3-A		382874	3.73	1475698	4.97	791152	6.64
460-303610-1	PL-C-4W-20240508-0.75-3.2	371914	3.73	1457024	4.97	781784	6.64
460-303610-2	PL-C-1W-20240508-0.75-4.1	381782	3.73	1489087	4.97	801033	6.64
460-303610-3	PL-C-5W-20240508-0.75-7.8	433194	3.73	1640221	4.97	908685	6.64
460-303610-4	PL-C-2W-20240508-1.7-7.4	431274	3.73	1671860	4.97	913509	6.64
460-303610-5	PL-C-3W-20240508-0.85-3.2	353433	3.73	1361132	4.97	749913	6.64

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: CCVIS 460-974604/2 Date Analyzed: 05/13/2024 18:56

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P85193.D Heated Purge: (Y/N) N

Calibration ID: 96708

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1283326	8.03	941953	10.54	942813	12.16
UPPER LIMIT		2566652	8.53	1883906	11.04	1885626	12.66
LOWER LIMIT		641663	7.53	470977	10.04	471407	11.66
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-974526/1-A		1722635	8.03	1291304	10.53	1319031	12.16
LCS 460-974526/2-A		1557966	8.03	1119679	10.54	1157948	12.16
LB 460-974423/1-B		1628515	8.03	1226334	10.53	1206975	12.16
LCSD 460-974526/3-A		1439678	8.03	1054104	10.54	1089032	12.16
460-303610-1	PL-C-4W-20240508-0.75-3.2	1512890	8.03	1113211	10.53	1148856	12.16
460-303610-2	PL-C-1W-20240508-0.75-4.1	1521960	8.03	1155026	10.53	1175254	12.16
460-303610-3	PL-C-5W-20240508-0.75-7.8	1672050	8.03	1238354	10.54	1269035	12.16
460-303610-4	PL-C-2W-20240508-1.7-7.4	1699014	8.03	1267507	10.53	1287931	12.16
460-303610-5	PL-C-3W-20240508-0.85-3.2	1424458	8.03	1050538	10.54	1084810	12.16

PHN = Phenanthrene-d10
CRY = Chrysene-d12
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 I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-4W-20240508-0.75-3.2 | Lab Sample ID: 460-303610-1

Matrix: Solid (TCLP) | Lab File ID: P85207.D

Analysis Method: 8270E | Date Collected: 05/08/2024 13:05

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:56

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 00:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.40	U	10	0.40
95-95-4	2,4,5-Trichlorophenol	0.80	U	10	0.80
88-06-2	2,4,6-Trichlorophenol	0.80	U	10	0.80
121-14-2	2,4-Dinitrotoluene	1.0	U	10	1.0
95-48-7	2-Methylphenol	0.60	U	10	0.60
15831-10-4	3 & 4 Methylphenol	0.60	U	10	0.60
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.80	U	2.0	0.80
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
98-95-3	Nitrobenzene	0.60	U	1.0	0.60
87-86-5	Pentachlorophenol	1.4	U	30	1.4
110-86-1	Pyridine	6.2	J	10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	112		37-150
321-60-8	2-Fluorobiphenyl	86		46-139
367-12-4	2-Fluorophenol (Surr)	69		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	94		51-145
4165-62-2	Phenol-d5 (Surr)	52		10-56
1718-51-0	Terphenyl-d14 (Surr)	86		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85207.D
Lims ID: 460-303610-E-1-D
Client ID: PL-L-4W-20240508-0.75-3.2
Sample Type: Client
Inject. Date: 14-May-2024 00:58:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-016
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:13:00 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:12:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
3 Pyridine	79	1.557	1.506	0.051	97	41266	0.7811	
$ 4 2-Fluorophenol	112	2.508	2.501	0.005	97	407661	6.91	
$ 6 Phenol-d5	99	3.402	3.402	-0.001	97	369677	5.23	
* 14 1,4-Dichlorobenzene-d4	152	3.725	3.726	-0.001	93	371914	8.00	
$ 28 Nitrobenzene-d5	82	4.277	4.279	-0.003	85	581571	9.38	
* 38 Naphthalene-d8	136	4.967	4.967	0.000	98	1457024	8.00	
$ 53 2-Fluorobiphenyl	172	6.017	6.017	-0.002	98	1242885	8.65	
* 64 Acenaphthene-d10	164	6.637	6.640	-0.003	95	781784	8.00	
$ 79 2,4,6-Tribromophenol	330	7.384	7.386	-0.004	88	296075	11.2	
* 88 Phenanthrene-d10	188	8.029	8.032	-0.003	98	1512890	8.00	
$ 97 Terphenyl-d14	244	9.553	9.554	-0.004	97	1481368	8.60	
* 103 Chrysene-d12	240	10.534	10.539	-0.005	99	1113211	8.00	
* 110 Perylene-d12	264	12.157	12.160	-0.003	99	1148856	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

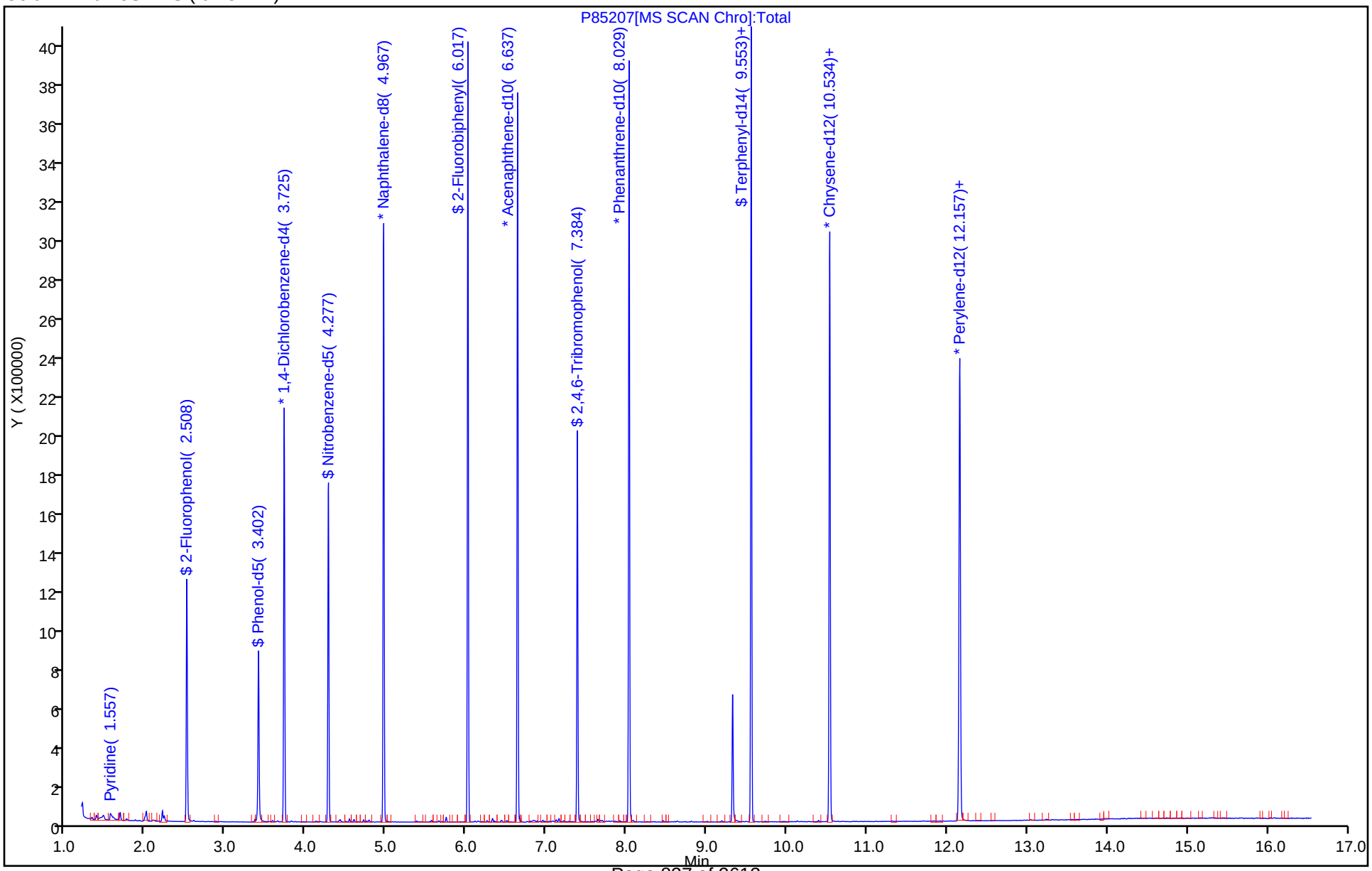
Report Date: 14-May-2024 13:13:00 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85207.D

Injection Date:	14-May-2024 00:58:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-303610-E-1-D	Lab Sample ID:	460-303610-1	Worklist Smp#:	16
Client ID:	PL-L-4W-20240508-0.75-3.2				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85207.D
Lims ID: 460-303610-E-1-D
Client ID: PL-L-4W-20240508-0.75-3.2
Sample Type: Client
Inject. Date: 14-May-2024 00:58:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-016
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:13:00 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:12:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	6.91	69.06
$ 6 Phenol-d5	10.0	5.23	52.35
$ 28 Nitrobenzene-d5	10.0	9.38	93.82
$ 53 2-Fluorobiphenyl	10.0	8.65	86.49
$ 79 2,4,6-Tribromophenol	10.0	11.2	111.64
$ 97 Terphenyl-d14	10.0	8.60	86.00

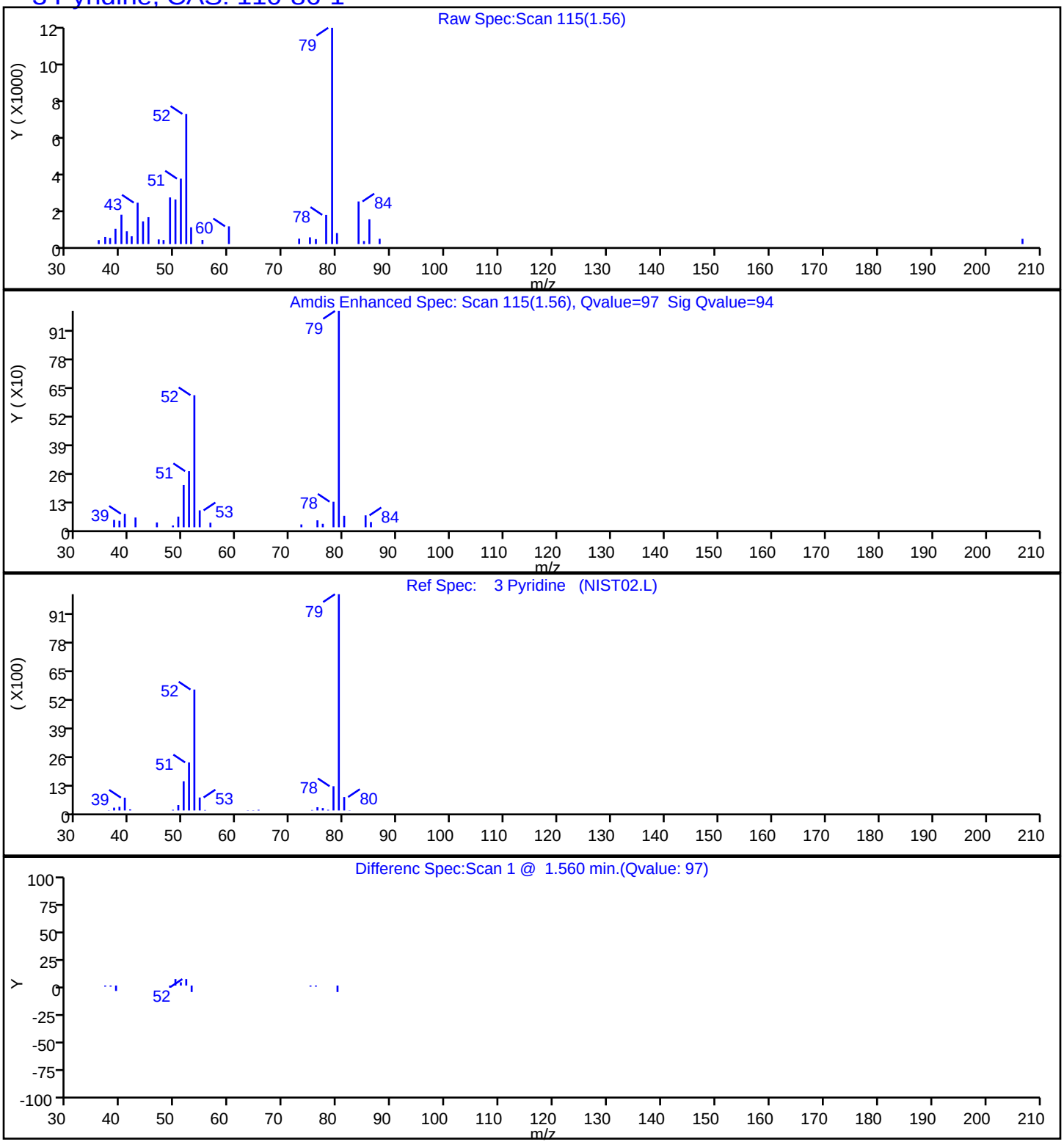
Report Date: 14-May-2024 13:13:00 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85207.D

Injection Date:	14-May-2024 00:58:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-1-D	Lab Sample ID:	460-303610-1		
Client ID:	PL-L-4W-20240508-0.75-3.2				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-1W-20240508-0.75-4.1 | Lab Sample ID: 460-303610-2

Matrix: Solid (TCLP) | Lab File ID: P85208.D

Analysis Method: 8270E | Date Collected: 05/08/2024 12:15

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:56

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 01:19

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.40	U	10	0.40
95-95-4	2,4,5-Trichlorophenol	0.80	U	10	0.80
88-06-2	2,4,6-Trichlorophenol	0.80	U	10	0.80
121-14-2	2,4-Dinitrotoluene	1.0	U	10	1.0
95-48-7	2-Methylphenol	0.60	U	10	0.60
15831-10-4	3 & 4 Methylphenol	0.60	U	10	0.60
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.80	U	2.0	0.80
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
98-95-3	Nitrobenzene	0.60	U	1.0	0.60
87-86-5	Pentachlorophenol	1.4	U	30	1.4
110-86-1	Pyridine	11		10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	131		37-150
321-60-8	2-Fluorobiphenyl	98		46-139
367-12-4	2-Fluorophenol (Surr)	76		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	105		51-145
4165-62-2	Phenol-d5 (Surr)	59	S1+	10-56
1718-51-0	Terphenyl-d14 (Surr)	93		13-150

Report Date: 14-May-2024 13:13:24 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85208.D
Lims ID: 460-303610-E-2-C
Client ID: PL-L-1W-20240508-0.75-4.1
Sample Type: Client
Inject. Date: 14-May-2024 01:19:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-017
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:13:23 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:13:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
3 Pyridine	79	1.547	1.506	0.041	98	76013	1.40	
$ 4 2-Fluorophenol	112	2.508	2.501	0.005	97	457484	7.55	
$ 6 Phenol-d5	99	3.405	3.402	0.002	97	430761	5.94	
* 14 1,4-Dichlorobenzene-d4	152	3.725	3.726	-0.001	94	381782	8.00	
$ 28 Nitrobenzene-d5	82	4.277	4.279	-0.003	83	664790	10.5	
* 38 Naphthalene-d8	136	4.967	4.967	0.000	98	1489087	8.00	
$ 53 2-Fluorobiphenyl	172	6.018	6.017	-0.001	98	1443890	9.81	
* 64 Acenaphthene-d10	164	6.638	6.640	-0.002	95	801033	8.00	
$ 79 2,4,6-Tribromophenol	330	7.385	7.386	-0.003	88	356790	13.1	
* 88 Phenanthrene-d10	188	8.030	8.032	-0.002	98	1521960	8.00	
$ 97 Terphenyl-d14	244	9.554	9.554	-0.003	97	1669690	9.34	
* 103 Chrysene-d12	240	10.533	10.539	-0.006	99	1155026	8.00	
* 110 Perylene-d12	264	12.156	12.160	-0.004	99	1175254	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 13:13:24 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85208.D
Lims ID: 460-303610-E-2-C
Client ID: PL-L-1W-20240508-0.75-4.1
Sample Type: Client
Inject. Date: 14-May-2024 01:19:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-017
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:13:23 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:13:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.55	75.50
$ 6 Phenol-d5	10.0	5.94	59.42
$ 28 Nitrobenzene-d5	10.0	10.5	104.93
$ 53 2-Fluorobiphenyl	10.0	9.81	98.07
$ 79 2,4,6-Tribromophenol	10.0	13.1	131.30
$ 97 Terphenyl-d14	10.0	9.34	93.42

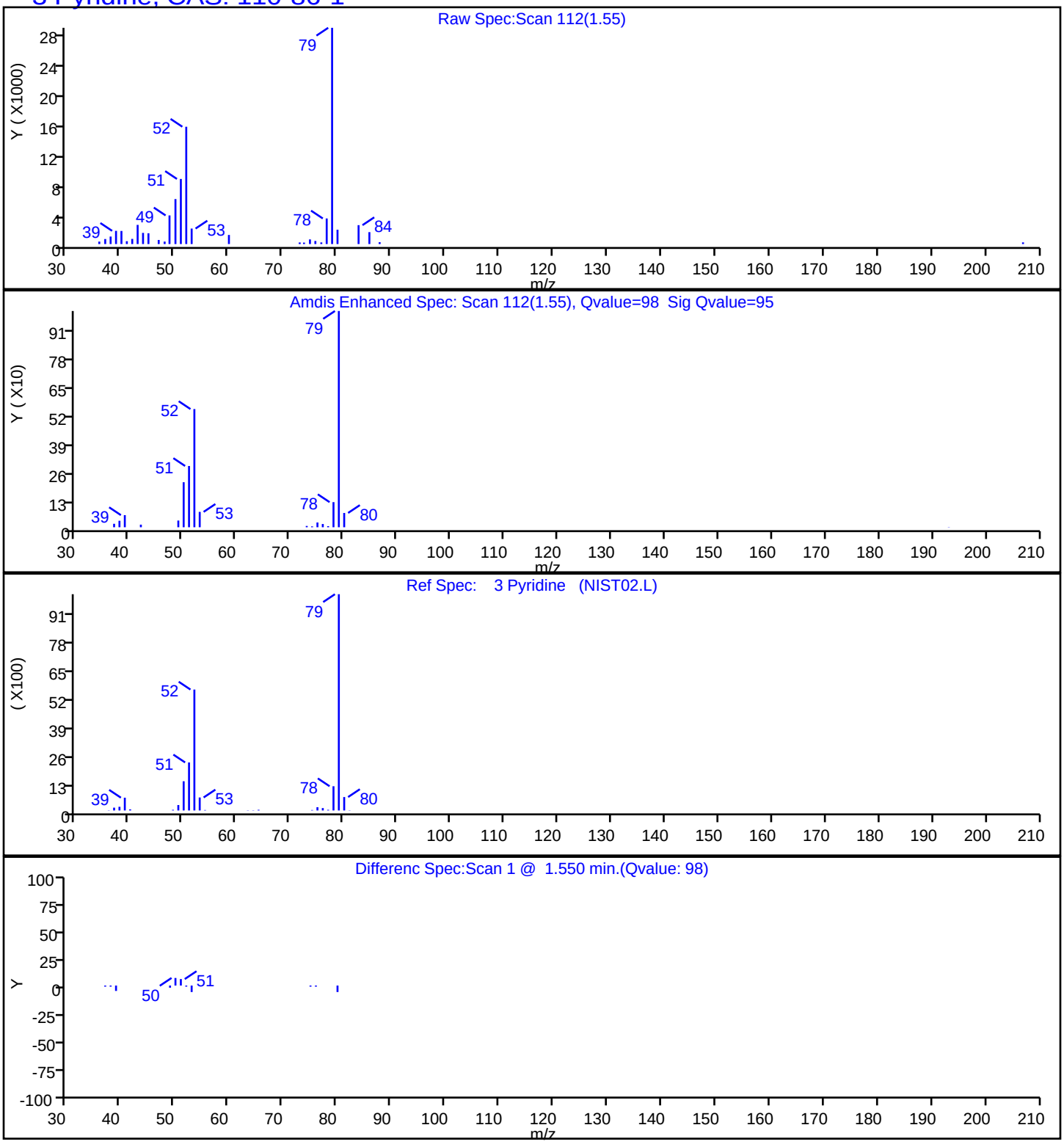
Report Date: 14-May-2024 13:13:24 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85208.D

Injection Date:	14-May-2024 01:19:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-2-C	Lab Sample ID:	460-303610-2		
Client ID:	PL-L-1W-20240508-0.75-4.1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1



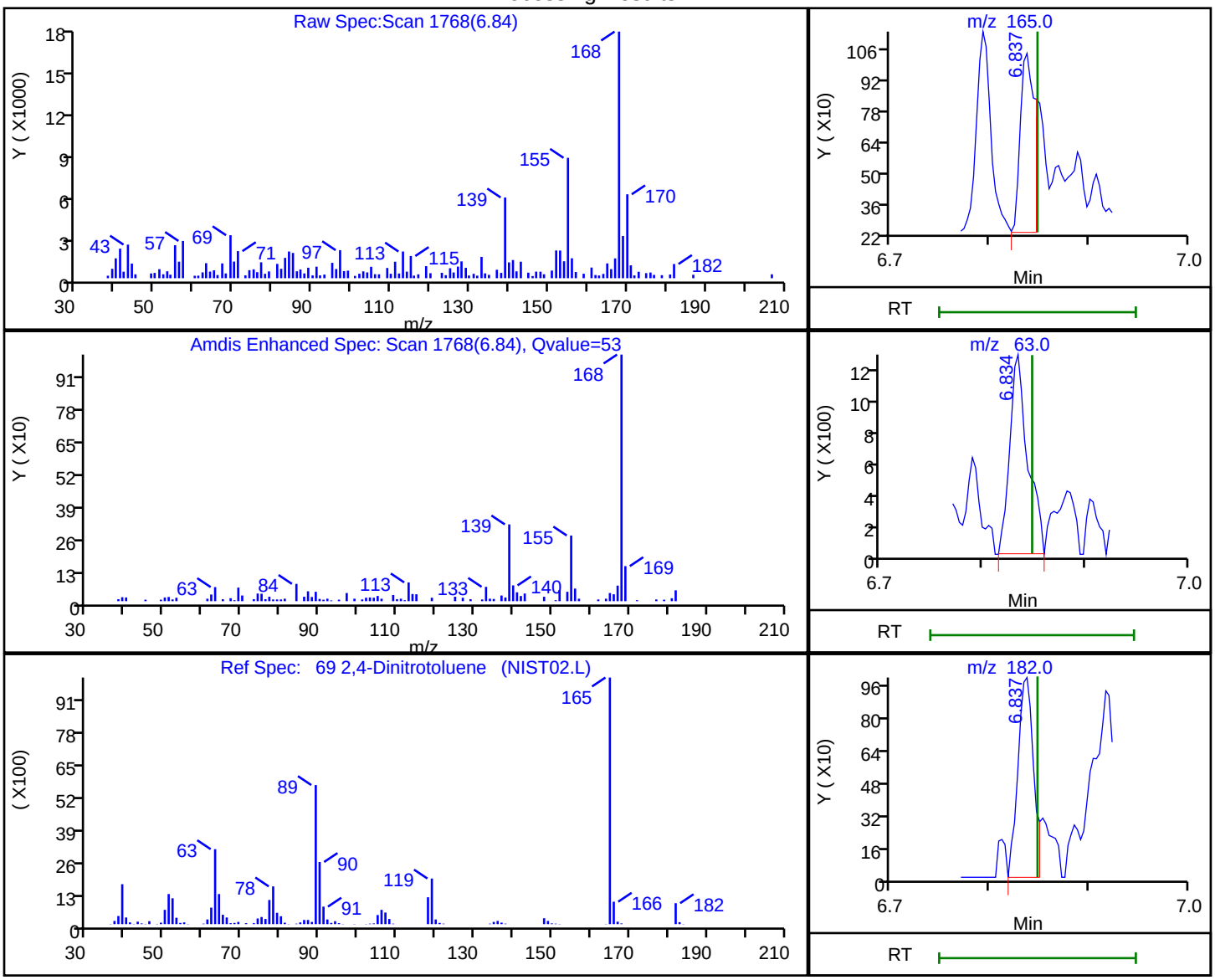
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85208.D				
Injection Date:	14-May-2024 01:19:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-2-C	Lab Sample ID:	460-303610-2		
Client ID:	PL-L-1W-20240508-0.75-4.1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
6.84	165.00	818	0.022279
6.83	63.00	1565	
6.84	182.00	1101	

Reviewer: C8UP, 14-May-2024 13:13:12 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-5W-20240508-0.75-7.8 | Lab Sample ID: 460-303610-3

Matrix: Solid (TCLP) | Lab File ID: P85209.D

Analysis Method: 8270E | Date Collected: 05/08/2024 11:10

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:56

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 01:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.40	U	10	0.40
95-95-4	2,4,5-Trichlorophenol	0.80	U	10	0.80
88-06-2	2,4,6-Trichlorophenol	0.80	U	10	0.80
121-14-2	2,4-Dinitrotoluene	1.0	U	10	1.0
95-48-7	2-Methylphenol	0.60	U	10	0.60
15831-10-4	3 & 4 Methylphenol	0.60	U	10	0.60
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.80	U	2.0	0.80
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
98-95-3	Nitrobenzene	0.60	U	1.0	0.60
87-86-5	Pentachlorophenol	1.4	U	30	1.4
110-86-1	Pyridine	7.3	J	10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	107		37-150
321-60-8	2-Fluorobiphenyl	87		46-139
367-12-4	2-Fluorophenol (Surr)	64		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	92		51-145
4165-62-2	Phenol-d5 (Surr)	49		10-56
1718-51-0	Terphenyl-d14 (Surr)	82		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85209.D
Lims ID: 460-303610-E-3-C
Client ID: PL-L-5W-20240508-0.75-7.8
Sample Type: Client
Inject. Date: 14-May-2024 01:40:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-018
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:13:50 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:14:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
3 Pyridine	79	1.553	1.506	0.047	97	56432	0.9171	
$ 4 2-Fluorophenol	112	2.511	2.501	0.008	97	440816	6.41	
$ 6 Phenol-d5	99	3.405	3.402	0.002	97	401761	4.88	
* 14 1,4-Dichlorobenzene-d4	152	3.725	3.726	-0.001	94	433194	8.00	
$ 28 Nitrobenzene-d5	82	4.277	4.279	-0.003	82	645318	9.25	
* 38 Naphthalene-d8	136	4.967	4.967	0.000	98	1640221	8.00	
$ 53 2-Fluorobiphenyl	172	6.018	6.017	-0.001	98	1452536	8.70	
* 64 Acenaphthene-d10	164	6.637	6.640	-0.003	94	908685	8.00	
$ 79 2,4,6-Tribromophenol	330	7.382	7.386	-0.006	89	330871	10.7	
* 88 Phenanthrene-d10	188	8.028	8.032	-0.004	98	1672050	8.00	
$ 97 Terphenyl-d14	244	9.554	9.554	-0.003	97	1571841	8.20	
* 103 Chrysene-d12	240	10.536	10.539	-0.003	99	1238354	8.00	
* 110 Perylene-d12	264	12.159	12.160	-0.001	99	1269035	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

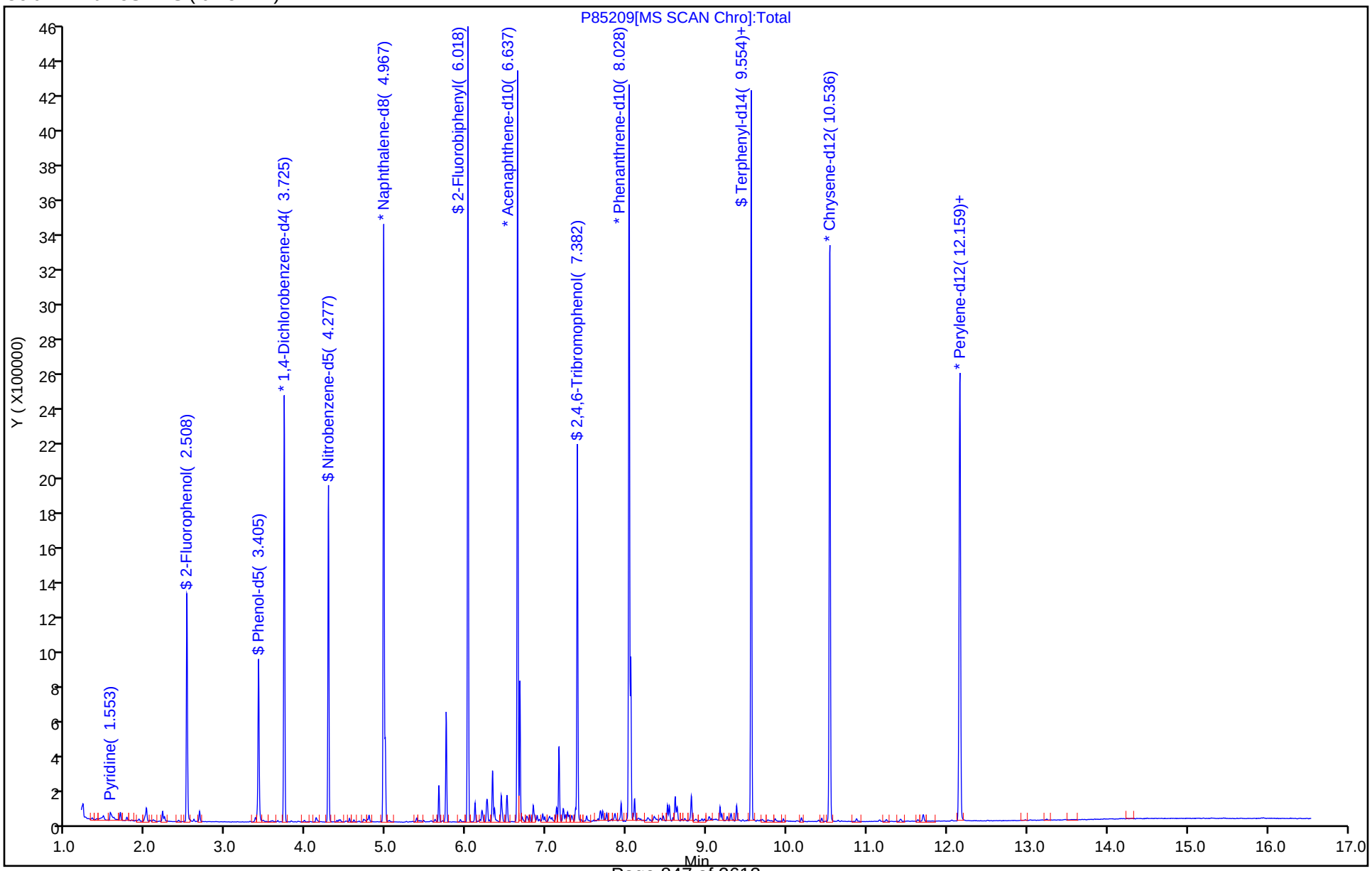
Report Date: 14-May-2024 13:14:44 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85209.D

Injection Date:	14-May-2024 01:40:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-303610-E-3-C	Lab Sample ID:	460-303610-3	Worklist Smp#:	18
Client ID:	PL-L-5W-20240508-0.75-7.8				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85209.D
Lims ID: 460-303610-E-3-C
Client ID: PL-L-5W-20240508-0.75-7.8
Sample Type: Client
Inject. Date: 14-May-2024 01:40:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-018
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:13:50 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:14:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	6.41	64.12
$ 6 Phenol-d5	10.0	4.88	48.85
$ 28 Nitrobenzene-d5	10.0	9.25	92.47
$ 53 2-Fluorobiphenyl	10.0	8.70	86.97
$ 79 2,4,6-Tribromophenol	10.0	10.7	107.34
$ 97 Terphenyl-d14	10.0	8.20	82.03

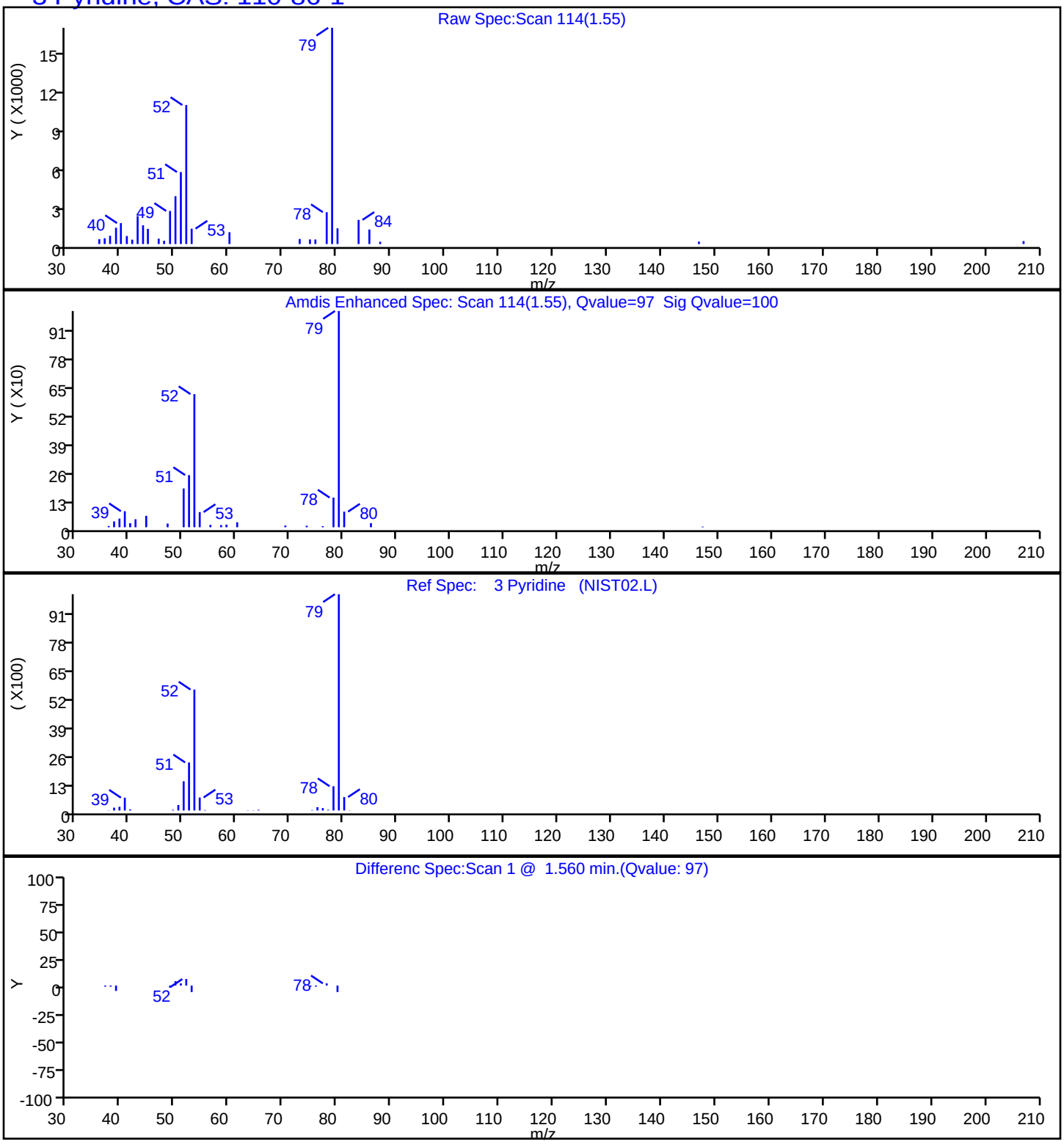
Report Date: 14-May-2024 13:14:44 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85209.D

Injection Date:	14-May-2024 01:40:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-3-C	Lab Sample ID:	460-303610-3		
Client ID:	PL-L-5W-20240508-0.75-7.8				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1



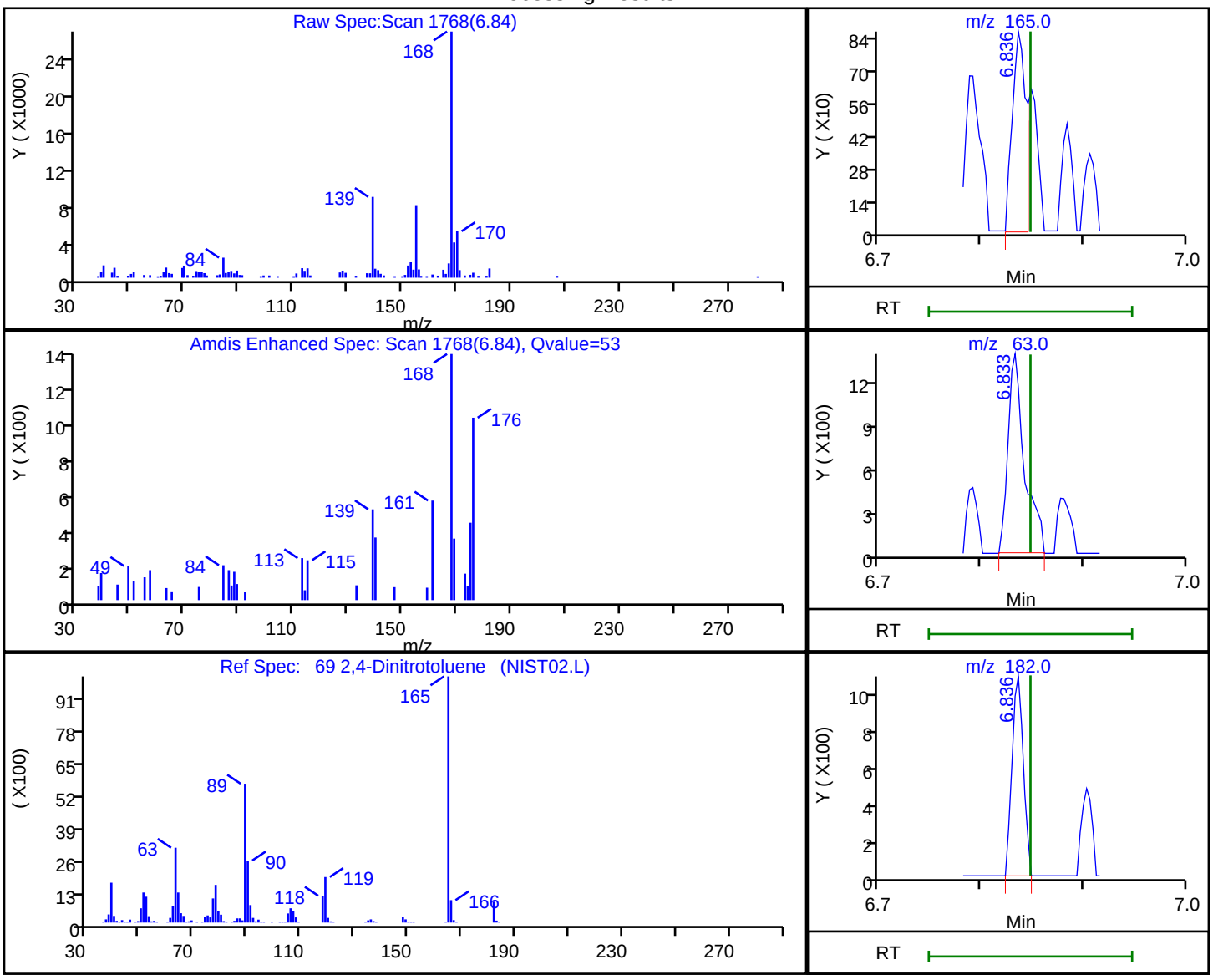
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85209.D				
Injection Date:	14-May-2024 01:40:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-3-C	Lab Sample ID:	460-303610-3		
Client ID:	PL-L-5W-20240508-0.75-7.8				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
6.84	165.00	807	0.019376
6.83	63.00	1492	
6.84	182.00	777	

Reviewer: C8UP, 14-May-2024 13:13:36 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

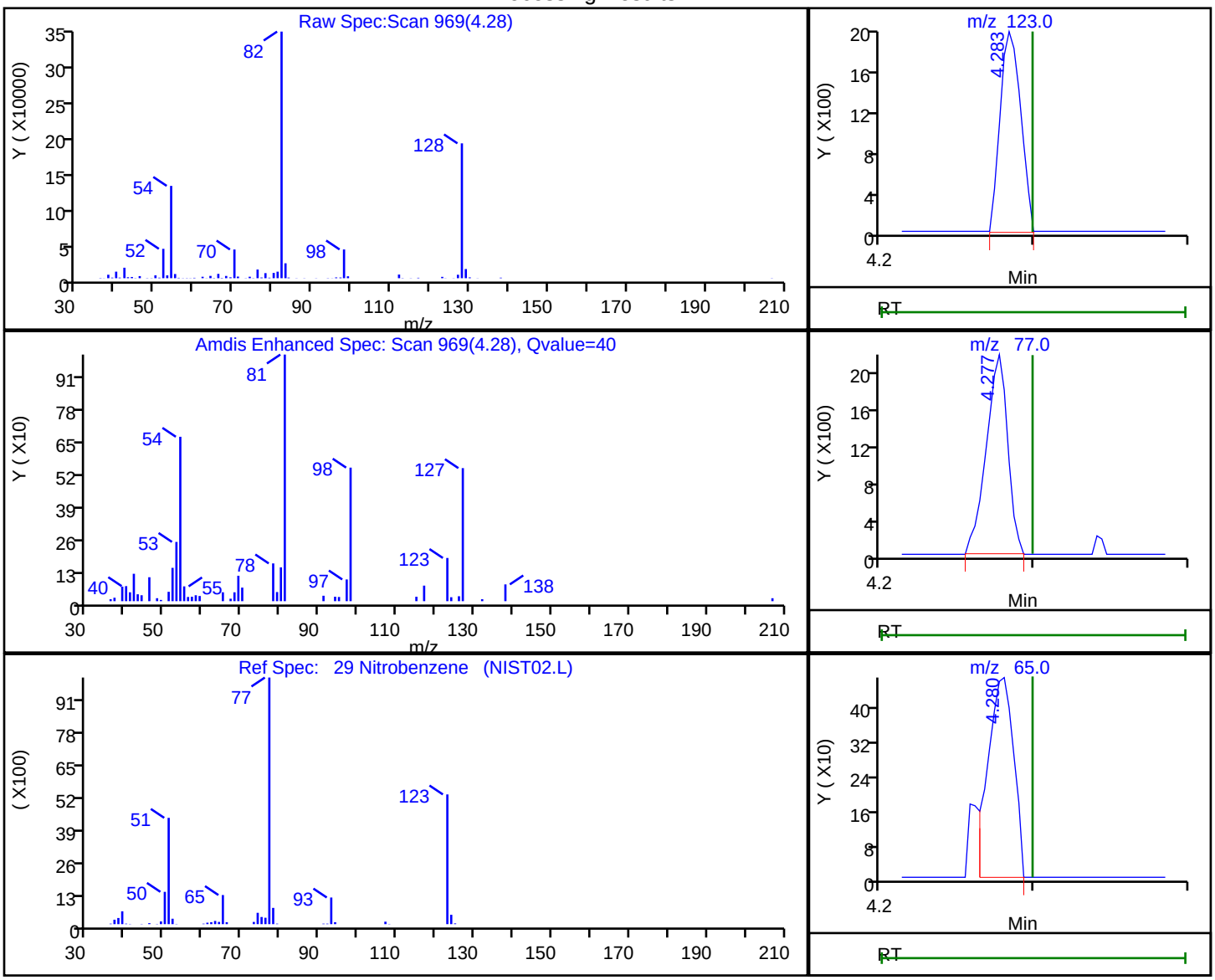
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85209.D				
Injection Date:	14-May-2024 01:40:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-3-C	Lab Sample ID:	460-303610-3		
Client ID:	PL-L-5W-20240508-0.75-7.8				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

29 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.28	123.00	1787	0.049276
4.28	77.00	2058	
4.28	65.00	546	

Reviewer: C8UP, 14-May-2024 13:13:33 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-2W-20240508-1.7-7.4 | Lab Sample ID: 460-303610-4

Matrix: Solid (TCLP) | Lab File ID: P85210.D

Analysis Method: 8270E | Date Collected: 05/08/2024 10:10

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:56

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 02:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.40	U	10	0.40
95-95-4	2,4,5-Trichlorophenol	0.80	U	10	0.80
88-06-2	2,4,6-Trichlorophenol	0.80	U	10	0.80
121-14-2	2,4-Dinitrotoluene	1.0	U	10	1.0
95-48-7	2-Methylphenol	0.60	U	10	0.60
15831-10-4	3 & 4 Methylphenol	0.60	U	10	0.60
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.80	U	2.0	0.80
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
98-95-3	Nitrobenzene	0.60	U	1.0	0.60
87-86-5	Pentachlorophenol	1.4	U	30	1.4
110-86-1	Pyridine	27		10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	112		37-150
321-60-8	2-Fluorobiphenyl	91		46-139
367-12-4	2-Fluorophenol (Surr)	50		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	95		51-145
4165-62-2	Phenol-d5 (Surr)	34		10-56
1718-51-0	Terphenyl-d14 (Surr)	73		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85210.D
Lims ID: 460-303610-E-4-C
Client ID: PL-L-2W-20240508-1.7-7.4
Sample Type: Client
Inject. Date: 14-May-2024 02:01:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-019
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:58:24 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:58:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
3 Pyridine	79	1.531	1.505	0.025	98	205590	3.36	
$ 4 2-Fluorophenol	112	2.511	2.501	0.008	97	343397	5.02	
$ 6 Phenol-d5	99	3.405	3.402	0.002	97	280532	3.43	
* 14 1,4-Dichlorobenzene-d4	152	3.725	3.726	-0.001	93	431274	8.00	
$ 28 Nitrobenzene-d5	82	4.277	4.279	-0.003	83	677084	9.52	
* 38 Naphthalene-d8	136	4.967	4.967	0.000	98	1671860	8.00	
$ 53 2-Fluorobiphenyl	172	6.018	6.017	-0.001	98	1525636	9.09	
* 64 Acenaphthene-d10	164	6.638	6.640	-0.002	95	913509	8.00	
$ 79 2,4,6-Tribromophenol	330	7.383	7.386	-0.005	88	348534	11.2	
* 88 Phenanthrene-d10	188	8.030	8.032	-0.002	98	1699014	8.00	
$ 97 Terphenyl-d14	244	9.554	9.554	-0.003	97	1440458	7.34	
* 103 Chrysene-d12	240	10.533	10.539	-0.006	99	1267507	8.00	
* 110 Perylene-d12	264	12.158	12.160	-0.002	99	1287931	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

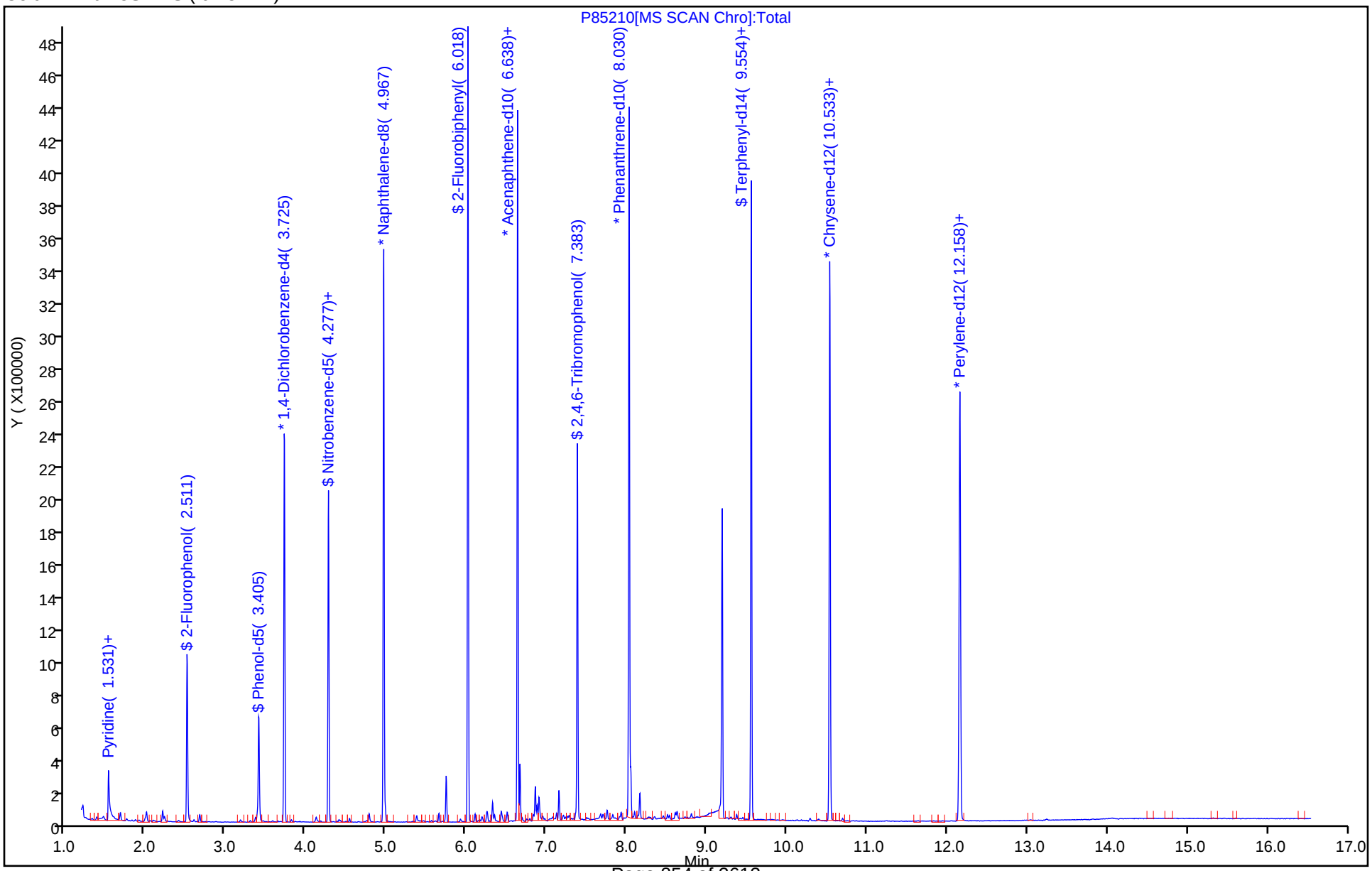
Report Date: 14-May-2024 13:58:24 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85210.D

Injection Date:	14-May-2024 02:01:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-303610-E-4-C	Lab Sample ID:	460-303610-4	Worklist Smp#:	19
Client ID:	PL-L-2W-20240508-1.7-7.4				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85210.D
Lims ID: 460-303610-E-4-C
Client ID: PL-L-2W-20240508-1.7-7.4
Sample Type: Client
Inject. Date: 14-May-2024 02:01:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-019
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:58:24 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:58:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	5.02	50.17
$ 6 Phenol-d5	10.0	3.43	34.26
$ 28 Nitrobenzene-d5	10.0	9.52	95.19
$ 53 2-Fluorobiphenyl	10.0	9.09	90.86
$ 79 2,4,6-Tribromophenol	10.0	11.2	112.47
$ 97 Terphenyl-d14	10.0	7.34	73.44

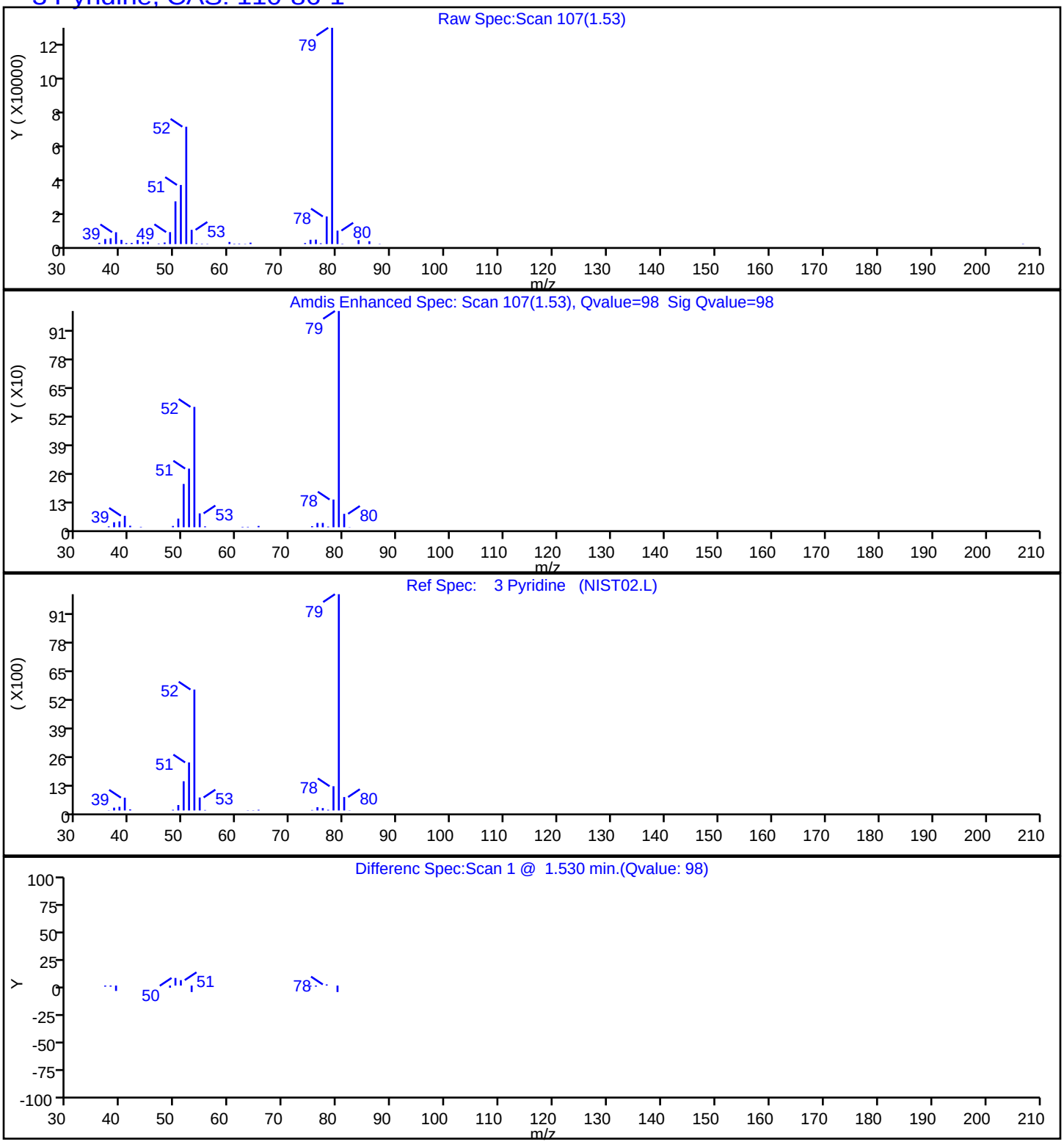
Report Date: 14-May-2024 13:58:24 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85210.D

Injection Date:	14-May-2024 02:01:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-4-C	Lab Sample ID:	460-303610-4		
Client ID:	PL-L-2W-20240508-1.7-7.4				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1



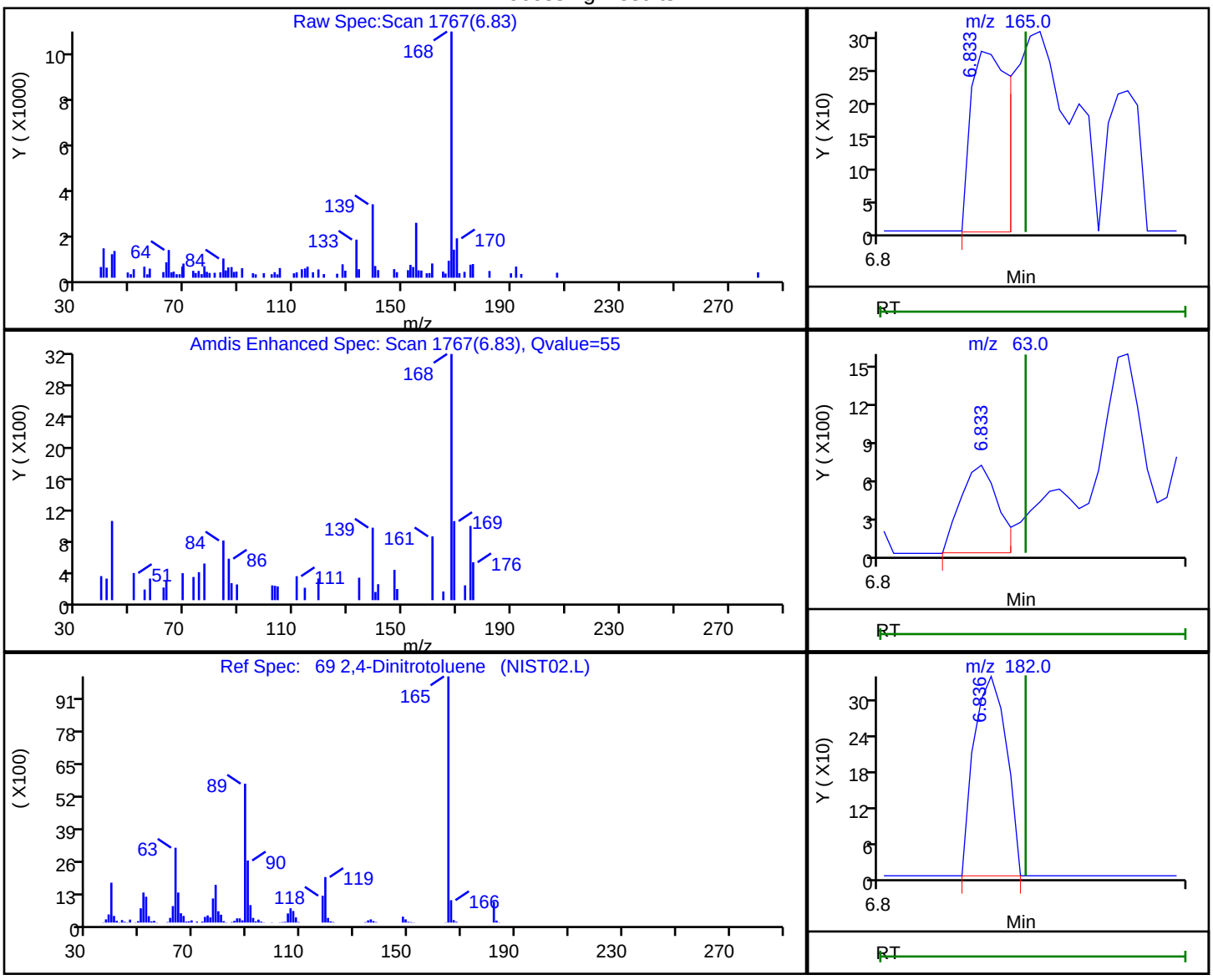
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85210.D				
Injection Date:	14-May-2024 02:01:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-4-C	Lab Sample ID:	460-303610-4		
Client ID:	PL-L-2W-20240508-1.7-7.4				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
6.83	165.00	238	0.005684
6.83	63.00	591	
6.84	182.00	250	

Reviewer: C8UP, 14-May-2024 13:58:07 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-3W-20240508-0.85-3.2 | Lab Sample ID: 460-303610-5

Matrix: Solid (TCLP) | Lab File ID: P85211.D

Analysis Method: 8270E | Date Collected: 05/08/2024 08:50

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:56

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 02:22

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.40	U	10	0.40
95-95-4	2,4,5-Trichlorophenol	0.80	U	10	0.80
88-06-2	2,4,6-Trichlorophenol	0.80	U	10	0.80
121-14-2	2,4-Dinitrotoluene	1.0	U	10	1.0
95-48-7	2-Methylphenol	0.60	U	10	0.60
15831-10-4	3 & 4 Methylphenol	0.60	U	10	0.60
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.80	U	2.0	0.80
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
98-95-3	Nitrobenzene	0.60	U	1.0	0.60
87-86-5	Pentachlorophenol	1.4	U	30	1.4
110-86-1	Pyridine	8.7	J	10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	118		37-150
321-60-8	2-Fluorobiphenyl	96		46-139
367-12-4	2-Fluorophenol (Surr)	73		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	103		51-145
4165-62-2	Phenol-d5 (Surr)	54		10-56
1718-51-0	Terphenyl-d14 (Surr)	86		13-150

Report Date: 14-May-2024 13:58:44 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85211.D
Lims ID: 460-303610-E-5-C
Client ID: PL-L-3W-20240508-0.85-3.2
Sample Type: Client
Inject. Date: 14-May-2024 02:22:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-020
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:58:43 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:58:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
3 Pyridine	79	1.547	1.505	0.041	99	54880	1.09	
$ 4 2-Fluorophenol	112	2.508	2.501	0.005	97	409537	7.30	
$ 6 Phenol-d5	99	3.405	3.402	0.002	97	362174	5.40	
* 14 1,4-Dichlorobenzene-d4	152	3.725	3.726	-0.001	94	353433	8.00	
$ 28 Nitrobenzene-d5	82	4.277	4.279	-0.003	83	594911	10.3	
* 38 Naphthalene-d8	136	4.967	4.967	0.000	99	1361132	8.00	
$ 53 2-Fluorobiphenyl	172	6.017	6.017	-0.002	98	1320880	9.58	
* 64 Acenaphthene-d10	164	6.637	6.640	-0.003	95	749913	8.00	
$ 79 2,4,6-Tribromophenol	330	7.385	7.386	-0.003	88	300063	11.8	
* 88 Phenanthrene-d10	188	8.028	8.032	-0.004	98	1424458	8.00	
$ 97 Terphenyl-d14	244	9.554	9.554	-0.003	97	1393670	8.57	
* 103 Chrysene-d12	240	10.535	10.539	-0.004	99	1050538	8.00	
* 110 Perylene-d12	264	12.159	12.160	-0.001	99	1084810	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

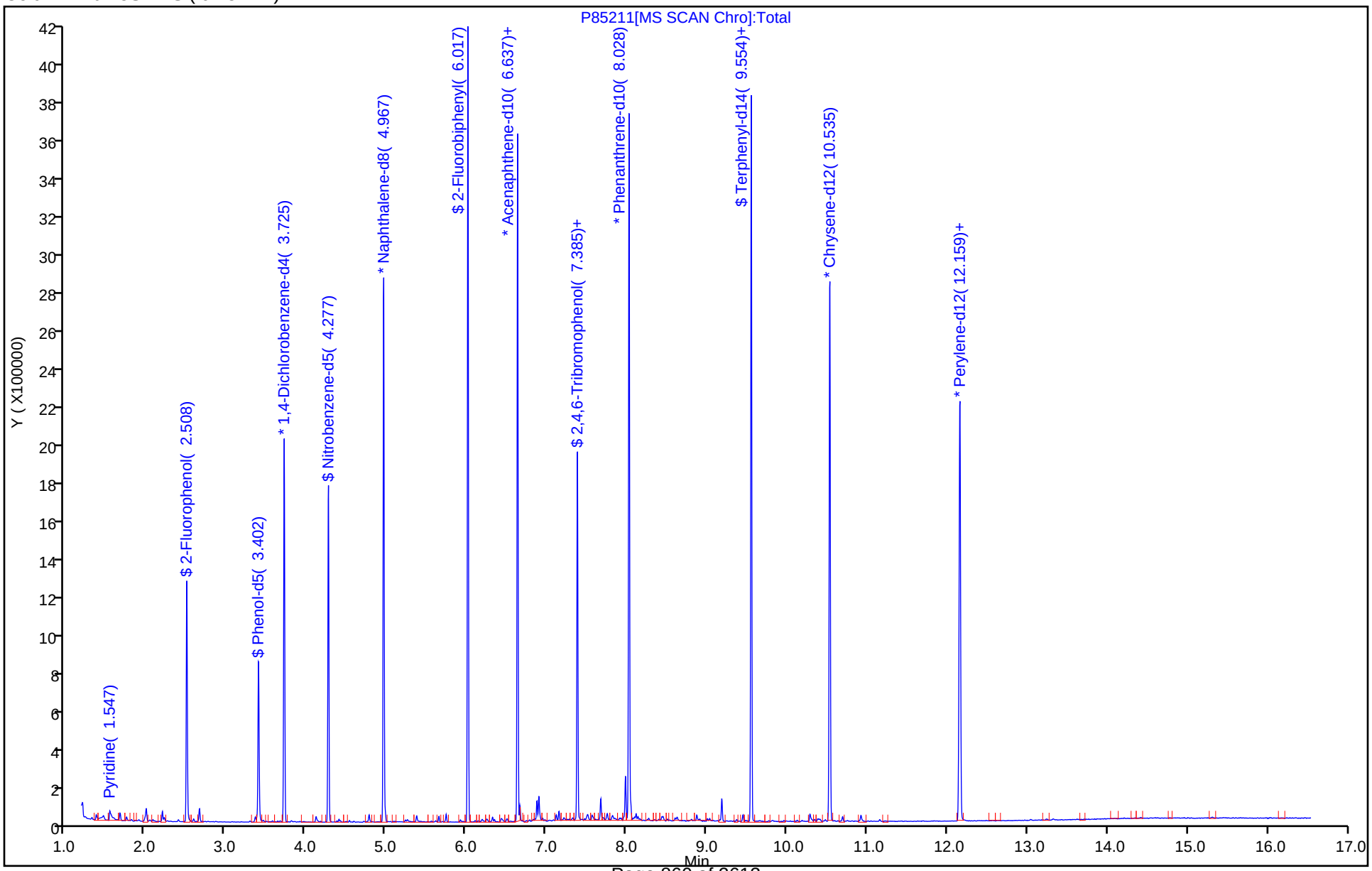
Report Date: 14-May-2024 13:58:44 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85211.D

Injection Date:	14-May-2024 02:22:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-303610-E-5-C	Lab Sample ID:	460-303610-5	Worklist Smp#:	20
Client ID:	PL-L-3W-20240508-0.85-3.2				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85211.D
Lims ID: 460-303610-E-5-C
Client ID: PL-L-3W-20240508-0.85-3.2
Sample Type: Client
Inject. Date: 14-May-2024 02:22:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-020
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 13:58:43 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: C8UP Date: 14-May-2024 13:58:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.30	73.01
$ 6 Phenol-d5	10.0	5.40	53.97
$ 28 Nitrobenzene-d5	10.0	10.3	102.73
$ 53 2-Fluorobiphenyl	10.0	9.58	95.83
$ 79 2,4,6-Tribromophenol	10.0	11.8	117.95
$ 97 Terphenyl-d14	10.0	8.57	85.73

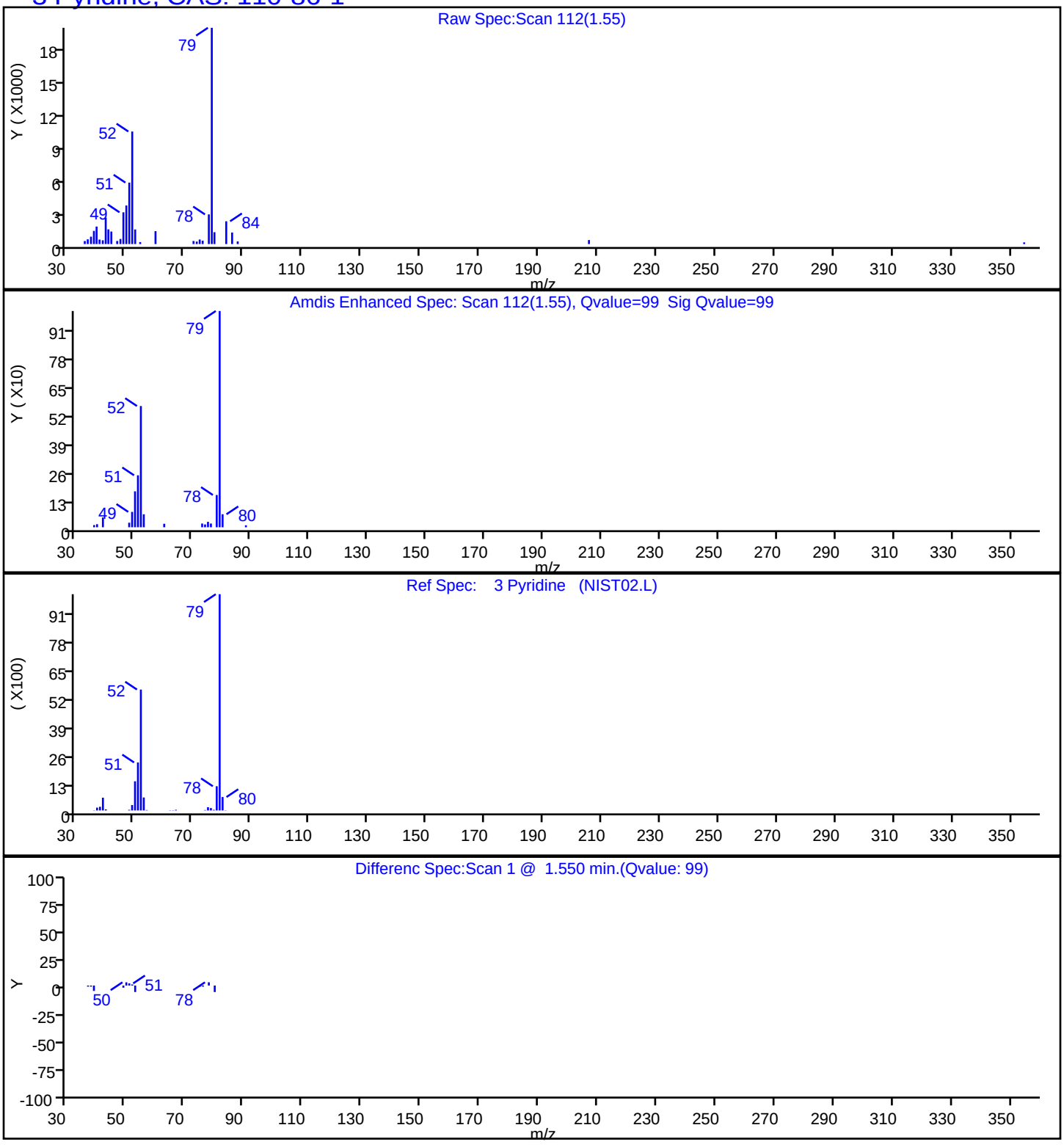
Report Date: 14-May-2024 13:58:44 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85211.D

Injection Date:	14-May-2024 02:22:30	Instrument ID:	CBNAMS18		
Lims ID:	460-303610-E-5-C	Lab Sample ID:	460-303610-5		
Client ID:	PL-L-3W-20240508-0.85-3.2				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1



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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 Calibration End Date: 04/17/2024 18:18 Calibration ID: 96708

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-969996/10	P84792.D
Level 2	STD02 460-969996/9	P84790.D
Level 3	STD04 460-969996/8	P84788.D
Level 4	STD1 460-969996/7	P84786.D
Level 5	STD2 460-969996/6	P84784.D
Level 6	STD4 460-969996/5	P84782.D
Level 7	ICIS 460-969996/11	P84794.D
Level 8	STD16 460-969996/4	P84780.D
Level 9	STD24 460-969996/3	P84778.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.4267 0.4985	0.4639 0.5058	0.5039	0.5125 0.5454	0.5257	Ave		0.4978			0.0100	7.4		20.0			
N-Nitrosodimethylamine	0.8002	0.7611	0.7873	0.7203 0.8384	0.7666	Ave		0.7790			0.0100	5.1		20.0			
Pyridine	0.8901 1.2440	1.0403 1.1396	1.2032	1.1096 1.2996	1.1646	Ave		1.1364			0.0100	11.2		20.0			
Benzaldehyde	0.9872	0.9785 1.0373	0.9588 1.0087	0.9893 0.9934	0.9715	Ave		0.9906			0.0100	2.4		20.0			
Aniline	1.6769	1.7320	1.5807	1.5983 1.6444	1.6603	Ave		1.6488			0.0100	3.3		20.0			
Phenol	1.6571	1.6844	1.6530	1.5519 1.7782	1.5852	Ave		1.6516			0.8000	4.8		20.0			
Bis(2-chloroethyl)ether	1.1035 1.2098	1.2004 1.1973	1.1887	1.1798 1.2945	1.1753	Ave		1.1937			0.7000	4.4		20.0			
2-Chlorophenol	1.3086	1.3323	1.3003	1.2405 1.4235	1.2755	Ave		1.3134			0.8000	4.7		20.0			
n-Decane	0.9835	0.9902	0.9777	0.9658 1.0663	0.9767	Ave		0.9934			0.0100	3.7		20.0			
1,3-Dichlorobenzene	1.4939	1.5413	1.4886	1.4607 1.6282	1.4612	Ave		1.5123			0.0100	4.2		20.0			
1,4-Dichlorobenzene	1.5273	1.5747	1.5044	1.5060 1.6482	1.4981	Ave		1.5431			0.0100	3.8		20.0			
Benzyl alcohol	0.8343	0.8399	0.8663	0.7083 0.9457	0.7865	Ave		0.8302			0.0100	9.6		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 Calibration End Date: 04/17/2024 18:18 Calibration ID: 96708

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.4742	1.5130	1.4785	1.4408 1.6390	1.4580	Ave		1.5006			0.0100	4.8		20.0			
2,2'-oxybis[1-chloropropane]	1.3277	1.2949	1.2879	1.3302 1.3865	1.3066	Ave		1.3223			0.0100	2.7		20.0			
2-Methylphenol	1.1644	1.1917	1.1679	1.0828 1.2541	1.1028	Ave		1.1606			0.7000	5.3		20.0			
N-Methylaniline	1.1129 2.0058	1.5150 2.0890	2.0672	1.8953 2.2602	1.9500	Ave		1.8619			0.0100	19.9		20.0			
Acetophenone	1.8800	1.9302	1.9279	1.7767 2.1174	1.8500	Ave		1.9137			0.0100	6.0		20.0			
N-Nitrosodi-n-propylamine	0.6705 0.8691	0.7258 0.8613	0.8654	0.7921 0.9395	0.8564	Ave		0.8225			0.5000	10.7		20.0			
3 & 4 Methylphenol	1.2466	1.2613	1.2402	1.1687 1.3305	1.2079	Ave		1.2425			0.0100	4.4		20.0			
4-Methylphenol	1.2387	1.2577	1.2331	1.1687 1.3276	1.2079	Ave		1.2389			0.6000	4.3		20.0			
Hexachloroethane	0.4496 0.5423	0.5263 0.5618	0.5406	0.5188 0.5932	0.5439	Ave		0.5346			0.3000	7.7		20.0			
Nitrobenzene	0.5663 0.7005	0.5475 0.7107	0.7151	0.6844 0.7815	0.6517	Ave		0.6697			0.2000	11.8		20.0			
n,n'-Dimethylaniline	1.8570 2.0703	1.8743 2.2130	2.1765	2.0621 2.4295	2.0606	Ave		2.0929			0.0100	8.9		20.0			
Isophorone	0.5886	0.4834 0.5798	0.5870	0.5292 0.6247	0.5592	Ave		0.5646			0.4000	8.2		20.0			
2-Nitrophenol	0.1836	0.1853	0.1910	0.1638 0.2058	0.1738	Ave		0.1839			0.1000	7.8		20.0			
2,4-Dimethylphenol	0.2489	0.2468	0.2580	0.2256 0.2728	0.2335	Ave		0.2476			0.2000	6.8		20.0			
Bis(2-chloroethoxy)methane	0.3871	0.3820	0.3872	0.3578 0.4093	0.3695	Ave		0.3821			0.3000	4.6		20.0			
Benzoic acid	0.1637	0.1637	0.2013	0.0999 0.2098	0.1324	Lin2	-0.103	0.1954			0.0100				0.9900		0.9900
2,4-Dichlorophenol	0.2850	0.2926	0.2962	0.2508 0.3216	0.2688	Ave		0.2858			0.2000	8.5		20.0			
1,2,4-Trichlorobenzene	0.2813 0.3178	0.3014 0.3239	0.3248	0.3060 0.3547	0.3068	Ave		0.3146			0.0100	6.8		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 Calibration End Date: 04/17/2024 18:18 Calibration ID: 96708

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	0.9747 1.0508	1.0076 1.0585	1.0541	1.0090 1.1250	1.0183	Ave		1.0373			0.7000	4.4		20.0			
4-Chloroaniline	0.2539 0.3630	0.2904 0.3786	0.3726	0.3454 0.3534	0.3625	Ave		0.3400			0.0100	13.0		20.0			
2,6-Dichlorophenol	0.2917	0.2985	0.3010	0.2574 0.3244	0.2750	Ave		0.2913				7.9		20.0			
Hexachlorobutadiene	0.1742 0.1800	0.1781 0.1856	0.1860	0.1789 0.2032	0.1767	Ave		0.1828			0.0100	5.0		20.0			
Caprolactam	0.0782	0.0431 0.0787	0.0534 0.0871	0.0578 0.0889	0.0727	Lin1	-0.013	0.0858			0.0100	13.3					
4-Chloro-3-methylphenol	0.2696	0.2684	0.2767	0.2374 0.2954	0.2533	Ave		0.2668			0.2000	7.4		20.0			
2-Methylnaphthalene	0.7126	0.6576 0.7118	0.7184	0.6879 0.7663	0.6955	Ave		0.7071			0.4000	4.7		20.0			
1-Methylnaphthalene	0.6618	0.6633 0.6481	0.6495	0.6331 0.7013	0.6497	Ave		0.6581			0.0100	3.3		20.0			
Hexachlorocyclopentadiene	0.3616	0.3754	0.4034	0.3188 0.4367	0.3392	Ave		0.3725			0.0500	11.5		20.0			
1,2,4,5-Tetrachlorobenzene	0.5648	0.5976	0.6133	0.5526 0.6529	0.5585	Ave		0.5900			0.0100	6.6		20.0			
2-tertbutyl-4-methylphenol	0.4083	0.3169 0.4256	0.4291	0.3685 0.4743	0.3945	Ave		0.4025			0.0100	12.4		20.0			
2,4,6-Trichlorophenol	0.3715	0.2776 0.3939	0.3987	0.3263 0.4207	0.3432	Ave		0.3617			0.2000	13.7		20.0			
2,4,5-Trichlorophenol	0.3999	0.4175	0.4211	0.3540 0.4446	0.3627	Ave		0.4000			0.2000	8.8		20.0			
1,1'-Biphenyl	1.5345	1.5872	1.6240	1.4679 1.7015	1.4946	Ave		1.5683			0.0100	5.5		20.0			
2-Chloronaphthalene	1.1805	1.2222	1.2454	1.1275 1.3164	1.1414	Ave		1.2056			0.8000	5.9		20.0			
Phenyl ether	0.8331	0.8797	0.8732	0.8111 0.9061	0.8232	Ave		0.8544			0.0100	4.4		20.0			
2-Nitroaniline	0.3009	0.2949	0.3078	0.2523 0.3171	0.2827	Ave		0.2926			0.0100	7.8		20.0			
1,3-Dimethylnaphthalene	0.9408	0.9725	0.9882	0.9186 1.0422	0.9107	Ave		0.9622			0.0100	5.1		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 Calibration End Date: 04/17/2024 18:18 Calibration ID: 96708

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Coumarin	0.2412	0.2499	0.2534	0.2356 0.2741	0.2451	Ave		0.2499			0.0100	5.4		20.0			
Dimethyl phthalate	1.2815	1.3194	1.3422	1.2342 1.4189	1.2300	Ave		1.3044			0.0100	5.5		20.0			
2,6-Dinitrotoluene	0.2818	0.2129 0.2898	0.2916	0.2684 0.3039	0.2736	Ave		0.2746			0.2000	10.8		20.0			
Acenaphthylene	1.8100	1.8711	1.8618	1.6999 1.9339	1.7739	Ave		1.8251			0.9000	4.5		20.0			
3-Nitroaniline	0.3064	0.3018	0.2984	0.2573 0.3004	0.2775	Ave		0.2903			0.0100	6.6		20.0			
Acenaphthene	1.0799	1.1183	1.1356	1.0761 1.1856	1.0664	Ave		1.1103			0.9000	4.1		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.9170	0.9756	1.0099	0.8156 1.1170	0.8724	Ave		0.9512			0.0100	11.3		20.0			
2,4-Dinitrophenol	0.1676	0.1884	0.2066	0.1101 0.2215	0.1427	Lin2	-0.212	0.2074			0.0100				0.9940		0.9900
4-Nitrophenol	0.2102	0.2132	0.2292	0.1712 0.2412	0.1890	Ave		0.2090			0.0100	12.3		20.0			
Dibenzofuran	1.7056	1.7877	1.7685	1.6522 1.8747	1.6669	Ave		1.7426			0.8000	4.8		20.0			
2,4-Dinitrotoluene	0.3892	0.2458 0.3971	0.4080	0.3386 0.4224	0.3656	Ave		0.3667			0.2000	16.4		20.0			
2,3,4,6-Tetrachlorophenol	0.3265	0.3344	0.3441	0.2821 0.3626	0.2982	Ave		0.3246			0.0100	9.2		20.0			
Diethyl phthalate	1.2180	1.2436	1.3088	1.5122 1.3269	1.1652	Ave		1.2958			0.0100	9.4		20.0			
Fluorene	1.3245	1.2370 1.3543	1.3562	1.2662 1.4376	1.2853	Ave		1.3230			0.9000	5.1		20.0			
4-Chlorophenyl phenyl ether	0.6347	0.6402	0.6398	0.6090 0.6824	0.6146	Ave		0.6368			0.4000	4.1		20.0			
4-Nitroaniline	0.2796	0.2796	0.2983	0.2234 0.2962	0.2544	Ave		0.2719			0.0100	10.5		20.0			
4,6-Dinitro-2-methylphenol	0.1262	0.1345	0.1389	0.0885 0.1519	0.1084	Ave		0.1247			0.0100	18.3		20.0			
N-Nitrosodiphenylamine	0.5117	0.5285	0.5228	0.4618 0.5648	0.4963	Ave		0.5143			0.0100	6.7		20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 Calibration End Date: 04/17/2024 18:18 Calibration ID: 96708

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	0.6956	0.7072	0.6905	0.6257 0.7455	0.6373	Ave		0.6836			0.0100	6.6		20.0			
Azobenzene	0.6956	0.7072	0.6910	0.6257 0.7459	0.6366	Ave		0.6837				6.6		20.0			
4-Bromophenyl phenyl ether	0.2132	0.2161	0.2147	0.1968 0.2332	0.1985	Ave		0.2121			0.1000	6.3		20.0			
Hexachlorobenzene	0.2367 0.2591	0.2688 0.2696	0.2698	0.2524 0.2949	0.2496	Ave		0.2626			0.1000	6.6		20.0			
Atrazine	0.1783	0.1173 0.1851	0.1336 0.1967	0.1584 0.2071	0.1619	Ave		0.1673			0.0100	18.4		20.0			
Pentachlorophenol	0.1533	0.1723	0.1854	0.1160 0.2045	0.1312	Lin2	-0.163	0.1869			0.0500				0.9910		0.9900
Pentachloronitrobenzene	0.0903	0.0973	0.1006	0.0786 0.1124	0.0828	Ave		0.0937			0.0100	13.2		20.0			
n-Octadecane	0.3689	0.3901	0.3950	0.3160 0.4311	0.3385	Ave		0.3733			0.0100	11.1		20.0			
Phenanthrene	1.0468	1.0548	1.0412	0.9729 1.1209	1.0064	Ave		1.0405			0.7000	4.8		20.0			
Anthracene	1.0388	1.0715	1.0699	0.9744 1.1432	0.9845	Ave		1.0471			0.7000	6.0		20.0			
Carbazole	0.9102	0.9234	0.9318	0.8175 0.9861	0.8521	Ave		0.9035			0.0100	6.7		20.0			
Di-n-butyl phthalate	1.0020	1.0649	1.1202	0.8146 1.2174	0.8930	Ave		1.0187			0.0100	14.5		20.0			
Fluoranthene	1.0098	0.8789 1.0429	1.0491	0.9247 1.1121	0.9570	Ave		0.9964			0.6000	8.1		20.0			
Benzidine	0.3097	0.2970	0.3650	0.2199 0.3541	0.2777	Ave		0.3039			0.0100	17.5		20.0			
Pyrene	1.5432	1.4740 1.5632	1.5179	1.4773 1.5908	1.5010	Ave		1.5239			0.6000	2.9		20.0			
Bisphenol-A	0.4797	0.4441	0.4668	0.3625 0.5178	0.4103	Ave		0.4469				12.2		20.0			
Butyl benzyl phthalate	0.5222	0.5822	0.5857	0.4086 0.6338	0.4704	Ave		0.5338			0.0100	15.6		20.0			
2,3,7,8-TCDD		0.1836				Ave		0.1836			0.0100			20.0			

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

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

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 Calibration End Date: 04/17/2024 18:18 Calibration ID: 96708

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.2861	0.3575	0.4147	0.1846 0.4676	0.2219	Lin1	-0.386	0.4478			0.0100	17.5					
Benzo[a]anthracene	1.2781 1.2740	1.2039 1.3404	1.3097	1.1982 1.4252	1.2256	Ave		1.2819			0.8000	6.0		20.0			
3,3'-Dichlorobenzidine	0.4587	0.2339 0.4999	0.5402	0.3488 0.5397	0.4051	Qua1	-0.064	0.4679	0.0034882						0.9990		0.9900
Chrysene	1.2119	1.1936 1.2677	1.1942	1.2153 1.2579	1.2108	Ave		1.2216			0.7000	2.4		20.0			
Bis(2-ethylhexyl) phthalate	0.6691	0.3837 0.7751	0.7814	0.4880 0.8517	0.5896	Qua1	-0.082	0.6644	0.0080679						0.9990		0.9900
Di-n-octyl phthalate	1.0394	1.1826	1.3094	0.6887 1.4408	0.8823	Lin2	-0.696	1.3171			0.0100				0.9910		0.9900
Benzo[b]fluoranthene	0.9268 1.1361	0.9552 1.1823	1.1792	1.0335 1.2679	1.0923	Ave		1.0967			0.7000	10.8		20.0			
Benzo[k]fluoranthene	0.8709 1.2524	1.0656 1.2272	1.2351	1.0699 1.3114	1.1479	Ave		1.1475			0.7000	12.4		20.0			
Benzo[a]pyrene	0.7207 1.0634	0.8030 1.0762	1.0875	0.8855 1.1636	0.9802	Ave		0.9725			0.7000	16.0		20.0			
Indeno[1,2,3-cd]pyrene	0.9777 1.1234	1.0594 1.1364	1.1975	1.0246 1.3096	1.0937	Ave		1.1153			0.5000	9.3		20.0			
Dibenz(a,h)anthracene	0.9820 1.1445	1.1074 1.1568	1.2013	1.0614 1.3129	1.1361	Ave		1.1378			0.4000	8.5		20.0			
Benzo[g,h,i]perylene	0.9395 1.1249	1.0822 1.1026	1.1304	1.0366 1.2162	1.0849	Ave		1.0897			0.5000	7.3		20.0			
2-Fluorophenol (Surr)	1.2728	1.0212 1.3280	1.3930	1.1609 1.4648	1.2471	Ave		1.2697			0.0100	11.6		20.0			
Phenol-d5 (Surr)	1.1272 1.5729	1.2133 1.6712	1.7364	1.4351 1.8472	1.5486	Ave		1.5190			0.0100	16.4		20.0			
Nitrobenzene-d5 (Surr)	0.3040 0.3456	0.3090 0.3501	0.3747	0.3223 0.3803	0.3370	Ave		0.3404			0.0100	8.3		20.0			
2-Fluorobiphenyl	1.3074 1.4504	1.3241 1.5636	1.6407	1.4064 1.6598	1.4109	Ave		1.4704			0.0100	9.3		20.0			
2,4,6-Tribromophenol (Surr)	0.2687	0.2094 0.2903	0.3090	0.2492 0.3203	0.2529	Ave		0.2714			0.0100	14.1		20.0			
Terphenyl-d14 (Surr)	1.0167 1.2422	1.1790 1.3167	1.3376	1.1841 1.4120	1.2150	Ave		1.2379			0.0100	9.8		20.0			

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

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 | Calibration End Date: 04/17/2024 18:18 | Calibration ID: 96708

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-969996/10	P84792.D
Level 2	STD02 460-969996/9	P84790.D
Level 3	STD04 460-969996/8	P84788.D
Level 4	STD1 460-969996/7	P84786.D
Level 5	STD2 460-969996/6	P84784.D
Level 6	STD4 460-969996/5	P84782.D
Level 7	ICIS 460-969996/11	P84794.D
Level 8	STD16 460-969996/4	P84780.D
Level 9	STD24 460-969996/3	P84778.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 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd4	Ave	1495 65102	2931 159430	271637	16409 424467	32566	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
N-Nitrosodimethylamine	DCBd4	Ave	104502	239875	424362	23061 652544	47495	4.00	10.0	16.0	1.00 24.0	2.00
Pyridine	DCBd4	Ave	6237 324896	13145 718335	1297082	71056 2022995	144304	0.200 8.00	0.400 20.0	32.0	2.00 48.0	4.00
Benzaldehyde	DCBd4	Ave	103133	6182 130778	12900 163108	31674 206171	60189	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
Aniline	DCBd4	Ave	218990	545885	852030	51175 1279829	102862	4.00	10.0	16.0	1.00 24.0	2.00
Phenol	DCBd4	Ave	216400	530873	891024	49688 1383992	98207	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethyl)ether	DCBd4	Ave	3866 157987	7584 377375	640730	37775 1007510	72815	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Chlorophenol	DCBd4	Ave	170889	419903	700874	39719 1107906	79020	4.00	10.0	16.0	1.00 24.0	2.00
n-Decane	DCBd4	Ave	128437	312090	527001	30923 829909	60511	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dichlorobenzene	DCBd4	Ave	195084	485779	802395	46768 1267197	90526	4.00	10.0	16.0	1.00 24.0	2.00
1,4-Dichlorobenzene	DCBd4	Ave	199453	496302	810908	48217 1282815	92812	4.00	10.0	16.0	1.00 24.0	2.00
Benzyl alcohol	DCBd4	Ave	108945	264728	466965	22677 736051	48728	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Dichlorobenzene	DCBd4	Ave	192509	476871	796977	46131 1275625	90325	4.00	10.0	16.0	1.00 24.0	2.00
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	173381	408109	694198	42589 1079089	80949	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylphenol	DCBd4	Ave				34670	68320				1.00	2.00

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 | Calibration End Date: 04/17/2024 18:18 | Calibration ID: 96708

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			152064	375601	629536	976035		4.00	10.0	16.0	24.0	
N-Methylaniline	DCBd4	Ave	3899 261931	9572 658398	1114255	60683 1759121	120805	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acetophenone	DCBd4	Ave	245507	608343	1039211	56885 1647938	114614	4.00	10.0	16.0	1.00 24.0	2.00
N-Nitrosodi-n-propylamine	DCBd4	Ave	2349 113491	4586 271453	466483	25360 731230	53058	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
3 & 4 Methylphenol	DCBd4	Ave	162798	397543	668501	37420 1035511	74830	4.00	10.0	16.0	1.00 24.0	2.00
4-Methylphenol	DCBd4	Ave	161761	396389	664650	37420 1033249	74830	4.00	10.0	16.0	1.00 24.0	2.00
Hexachloroethane	DCBd4	Ave	1575 70818	3325 177079	291409	16611 461670	33693	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene	DCBd4	Ave	1984 91478	3459 224010	385434	21914 608267	40377	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
n,n'-Dimethylaniline	DCBd4	Ave	6506 270362	11842 697484	1173220	66022 1890881	127656	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Isophorone	NPT	Ave	309774	12222 739912	1243198	69460 1935499	140410	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Nitrophenol	NPT	Ave	96607	236445	404606	21498 637788	43649	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dimethylphenol	NPT	Ave	130981	314974	546507	29610 845191	58637	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethoxy)methane	NPT	Ave	203705	487451	820113	46958 1268104	92784	4.00	10.0	16.0	1.00 24.0	2.00
Benzoic acid	NPT	Lin2	86133	208857	426405	13107 649985	33241	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dichlorophenol	NPT	Ave	150005	373474	627271	32924 996533	67487	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4-Trichlorobenzene	NPT	Ave	3954 167241	7619 413386	687876	40159 1099159	77023	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Naphthalene	NPT	Ave	13700 553038	25472 1350894	2232578	132435 3485840	255680	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
4-Chloroaniline	NPT	Ave	3569 191072	7342 483125	789193	45338 1095018	91005	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,6-Dichlorophenol	NPT	Ave	153540	381007	637540	33783 1005077	69047	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobutadiene	NPT	Ave	2448 94716	4503 236821	393913	23479 629746	44367	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Caprolactam	NPT	Lin1	32935	1089 40183	2869 55328	7585 73458	18263	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 | Calibration End Date: 04/17/2024 18:18 | Calibration ID: 96708

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	141882	342540	585933	31160 915215	63608	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylnaphthalene	NPT	Ave	375017	16624 908412	1521571	90281 2374304	174638	4.00	0.200 10.0	16.0	1.00 24.0	2.00
1-Methylnaphthalene	NPT	Ave	348312	16770 827116	1375688	83101 2172847	163118	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Hexachlorocyclopentadiene	ANT	Ave	107734	261049	463225	24089 747367	48767	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	168298	415563	704243	41753 1117523	80300	4.00	10.0	16.0	1.00 24.0	2.00
2-tertbutyl-4-methylphenol	NPT	Ave	214868	8012 543130	908850	48364 1469682	99050	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Trichlorophenol	ANT	Ave	110690	4057 273912	457812	24659 720015	49343	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,5-Trichlorophenol	ANT	Ave	119164	290344	483520	26749 760983	52151	4.00	10.0	16.0	1.00 24.0	2.00
1,1'-Biphenyl	ANT	Ave	457223	1103661	1864802	110917 2912142	214899	4.00	10.0	16.0	1.00 24.0	2.00
2-Chloronaphthalene	ANT	Ave	351725	849909	1430087	85197 2253026	164122	4.00	10.0	16.0	1.00 24.0	2.00
Phenyl ether	ANT	Ave	248220	611722	1002715	61284 1550827	118361	4.00	10.0	16.0	1.00 24.0	2.00
2-Nitroaniline	ANT	Ave	89665	205081	353427	19066 542761	40650	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dimethylnaphthalene	ANT	Ave	280304	676268	1134754	69407 1783841	130947	4.00	10.0	16.0	1.00 24.0	2.00
Coumarin	NPT	Ave	126950	318862	536777	30924 849376	61548	4.00	10.0	16.0	1.00 24.0	2.00
Dimethyl phthalate	ANT	Ave	381829	917489	1541224	93253 2428617	176852	4.00	10.0	16.0	1.00 24.0	2.00
2,6-Dinitrotoluene	ANT	Ave	83976	3112 201490	334869	20280 520200	39339	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acenaphthylene	ANT	Ave	539316	1301145	2137859	128447 3309915	255067	4.00	10.0	16.0	1.00 24.0	2.00
3-Nitroaniline	ANT	Ave	91294	209863	342600	19438 514216	39905	4.00	10.0	16.0	1.00 24.0	2.00
Acenaphthene	ANT	Ave	321763	777630	1303958	81309 2029296	153327	4.00	10.0	16.0	1.00 24.0	2.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	273213	678372	1159696	61629 1911753	125439	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dinitrophenol	ANT	Lin2				16641	41036				2.00	4.00

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 | Calibration End Date: 04/17/2024 18:18 | Calibration ID: 96708

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			99897	262008	474509	758372		8.00	20.0	32.0	48.0	
4-Nitrophenol	ANT	Ave	125283	296477	526336	25872 825544	54353	8.00	20.0	32.0	2.00 48.0	4.00
Dibenzofuran	ANT	Ave	508203	1243125	2030729	124843 3208604	239672	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dinitrotoluene	ANT	Ave	115968	3592 276140	468548	25585 723015	52567	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	97288	232506	395097	21314 620698	42876	4.00	10.0	16.0	1.00 24.0	2.00
Diethyl phthalate	ANT	Ave	362912	864791	1502857	114259 2271152	167546	4.00	10.0	16.0	1.00 24.0	2.00
Fluorene	ANT	Ave	394634	18078 941761	1557261	95671 2460532	184808	4.00	0.200 10.0	16.0	1.00 24.0	2.00
4-Chlorophenyl phenyl ether	ANT	Ave	189111	445149	734702	46013 1167967	88375	4.00	10.0	16.0	1.00 24.0	2.00
4-Nitroaniline	ANT	Ave	83314	194393	342496	16881 507014	36584	4.00	10.0	16.0	1.00 24.0	2.00
4,6-Dinitro-2-methylphenol	PHN	Ave	134705	328861	571563	24966 906891	57212	8.00	20.0	32.0	2.00 48.0	4.00
N-Nitrosodiphenylamine	PHN	Ave	273140	646255	1075580	65132 1685982	130962	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Diphenylhydrazine	PHN	Ave	371325	864754	1420605	88246 2225422	168174	4.00	10.0	16.0	1.00 24.0	2.00
Azobenzene	PHN	Ave	371287	864789	1421686	88246 2226531	167991	4.00	10.0	16.0	1.00 24.0	2.00
4-Bromophenyl phenyl ether	PHN	Ave	113820	264292	441693	27757 696160	52379	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobenzene	PHN	Ave	3443 138282	7113 329632	555097	35600 880167	65875	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Atrazine	PHN	Ave	76157	3104 90548	7600 121412	22347 164880	42724	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
Pentachlorophenol	PHN	Lin2	163661	421473	762724	32734 1220725	69261	8.00	20.0	32.0	2.00 48.0	4.00
Pentachloronitrobenzene	PHN	Ave	48190	118955	207004	11081 335518	21850	4.00	10.0	16.0	1.00 24.0	2.00
n-Octadecane	PHN	Ave	196907	477016	812620	44568 1286864	89323	4.00	10.0	16.0	1.00 24.0	2.00
Phenanthrene	PHN	Ave	558798	1289745	2142064	137207 3345832	265601	4.00	10.0	16.0	1.00 24.0	2.00
Anthracene	PHN	Ave	554522	1310255	2201112	137429 3412434	259817	4.00	10.0	16.0	1.00 24.0	2.00

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 | Calibration End Date: 04/17/2024 18:18 | Calibration ID: 96708

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbazole	PHN	Ave	485879	1129080	1917085	115301 2943386	224879	4.00	10.0	16.0	1.00 24.0	2.00
Di-n-butyl phthalate	PHN	Ave	534879	1302132	2304730	114892 3633827	235656	4.00	10.0	16.0	1.00 24.0	2.00
Fluoranthene	PHN	Ave	539046	23262 1275245	2158342	130422 3319729	252555	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzidine	PHN	Ave	165309	363144	750859	31008 1056923	73290	4.00	10.0	16.0	1.00 24.0	2.00
Pyrene	CRY	Ave	563354	24138 1316669	2243929	136592 3400637	264766	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bisphenol-A	CRY	Ave	175131	374014	690082	33519 1106972	72369	4.00	10.0	16.0	1.00 24.0	2.00
Butyl benzyl phthalate	CRY	Ave	190637	490347	865863	37777 1354893	82978	4.00	10.0	16.0	1.00 24.0	2.00
2,3,7,8-TCDD	CRY	Ave		1546					0.100			
Carbamazepine	CRY	Lin1	104427	301145	613122	17066 999609	39145	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[a]anthracene	CRY	Ave	11223 465057	19714 1128975	1936081	110787 3046631	216188	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
3,3'-Dichlorobenzidine	CRY	Qua1	167436	3831 421050	798652	32251 1153692	71457	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Chrysene	CRY	Ave	442394	19546 1067765	1765349	112363 2688848	213576	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bis(2-ethylhexyl) phthalate	CRY	Qua1	244248	6284 652830	1155100	45118 1820673	104000	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Di-n-octyl phthalate	PRY	Lin2	370867	993667	1834557	62573 2953752	153673	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[b]fluoranthene	PRY	Ave	7992 405375	15476 993381	1652112	93906 2599386	190250	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[k]fluoranthene	PRY	Ave	7510 446876	17263 1031140	1730360	97214 2688458	199935	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]pyrene	PRY	Ave	6215 379452	13009 904256	1523575	80455 2385404	170734	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	8431 400845	17163 954837	1677713	93096 2684764	190504	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenz(a,h)anthracene	PRY	Ave	8468 408385	17941 971972	1683043	96438 2691487	197896	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[g,h,i]perylene	PRY	Ave	8102 401396	17533 926461	1583692	94188 2493420	188962	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorophenol (Surr)	DCBd4	Ave		6452		37169	77260		0.200		1.00	2.00

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 | Calibration End Date: 04/17/2024 18:18 | Calibration ID: 96708

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			166216	418541	750853	1140027		4.00	10.0	16.0	24.0	
Phenol-d5 (Surr)	DCBd4	Ave	3949 205401	7666 526712	935990	45948 1437691	95940	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene-d5 (Surr)	NPT	Ave	4273 181884	7811 446844	793498	42300 1178312	84626	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorobiphenyl	ANT	Ave	10462 432168	19352 1087317	1883968	106269 2840837	202871	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	 80059	3060 201847	354796	18826 548156	36366	 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Terphenyl-d14 (Surr)	CRY	Ave	8928 453448	19307 1109025	1977433	109487 3018338	214309	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua1 = Quadratic 1/conc ISTD

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

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 969996

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2024 12:39 | Calibration End Date: 04/17/2024 18:18 | Calibration ID: 96708

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-969996/10	P84792.D
Level 2	STD02 460-969996/9	P84790.D
Level 3	STD04 460-969996/8	P84788.D
Level 4	STD1 460-969996/7	P84786.D
Level 5	STD2 460-969996/6	P84784.D
Level 6	STD4 460-969996/5	P84782.D
Level 7	ICIS 460-969996/11	P84794.D
Level 8	STD16 460-969996/4	P84780.D
Level 9	STD24 460-969996/3	P84778.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Benzoic acid				4.0						30		
Caprolactam		24.4						30				
2,4-Dinitrophenol				4.3						30		
Pentachlorophenol				5.6						30		
Carbamazepine				27.4						30		
Di-n-octyl phthalate				5.1						30		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84778.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 17-Apr-2024 12:39:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-003
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:16 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 17-Apr-2024 13:40:17

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	1.372	1.375	-0.003	91	424467	24.0	26.3	
2 N-Nitrosodimethylamine	74	1.573	1.573	0.000	92	652544	24.0	25.8	
3 Pyridine	79	1.595	1.598	-0.003	96	2022995	48.0	54.9	
$ 4 2-Fluorophenol	112	2.623	2.623	0.000	96	1140027	24.0	27.7	
5 Benzaldehyde	77	3.422	3.418	0.004	95	206171	6.40	6.42	
$ 6 Phenol-d5	99	3.540	3.530	0.010	98	1437691	24.0	29.2	
8 Aniline	93	3.537	3.533	0.004	94	1279829	24.0	23.9	a
7 Phenol	94	3.553	3.543	0.010	98	1383992	24.0	25.8	
9 Bis(2-chloroethyl)ether	93	3.607	3.600	0.007	99	1007510	24.0	26.0	
10 Benzonitrile	103	3.617	3.607	0.010	97	2091085	NC	NC	
11 2-Chlorophenol	128	3.655	3.651	0.004	97	1107906	24.0	26.0	
12 n-Decane	43	3.703	3.702	0.001	88	829909	24.0	25.8	
13 1,3-Dichlorobenzene	146	3.793	3.789	0.004	97	1267197	24.0	25.8	
* 14 1,4-Dichlorobenzene-d4	152	3.850	3.846	0.004	94	259431	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.866	3.865	0.001	96	1282815	24.0	25.6	
17 Benzyl alcohol	108	4.010	4.003	0.007	96	736051	24.0	27.3	
18 1,2-Dichlorobenzene	146	4.013	4.012	0.001	96	1275625	24.0	26.2	
21 2,2'-oxybis[1-chloropropane]	45	4.128	4.127	0.001	91	1079089	24.0	25.2	
20 2-Methylphenol	108	4.138	4.131	0.007	89	976035	24.0	25.9	
22 N-Methylaniline	106	4.253	4.246	0.007	98	1759121	24.0	29.1	
23 Acetophenone	105	4.263	4.252	0.011	94	1647938	24.0	26.6	
24 N-Nitrosodi-n-propylamine	70	4.269	4.258	0.011	88	731230	24.0	27.4	
26 4-Methylphenol	108	4.295	4.287	0.008	96	1033249	24.0	25.7	
25 3 & 4 Methylphenol	108	4.295	4.287	0.008	62	1035511	24.0	25.7	
27 Hexachloroethane	117	4.336	4.335	0.001	94	461670	24.0	26.6	
$ 28 Nitrobenzene-d5	82	4.403	4.396	0.007	86	1178312	24.0	26.8	
29 Nitrobenzene	123	4.423	4.415	0.008	96	608267	24.0	28.0	
30 n,n'-Dimethylaniline	120	4.426	4.418	0.008	93	1890881	24.0	27.9	
31 Isophorone	82	4.656	4.648	0.008	99	1935499	24.0	26.6	
32 2-Nitrophenol	139	4.726	4.722	0.004	96	637788	24.0	26.9	
33 2,4-Dimethylphenol	122	4.803	4.795	0.008	92	845191	24.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.880	4.875	0.005	97	1268104	24.0	25.7	
35 Benzoic acid	122	4.957	4.914	0.043	86	649985	24.0	26.3	
36 2,4-Dichlorophenol	162	4.976	4.971	0.005	97	996533	24.0	27.0	
37 1,2,4-Trichlorobenzene	180	5.037	5.035	0.002	94	1099159	24.0	27.1	
* 38 Naphthalene-d8	136	5.088	5.083	0.005	99	1032831	8.00	8.00	
39 Naphthalene	128	5.107	5.102	0.005	99	3485840	24.0	26.0	
40 4-Chloroaniline	127	5.184	5.179	0.005	97	1095018	24.0	24.9	
41 2,6-Dichlorophenol	162	5.184	5.179	0.005	97	1005077	24.0	26.7	
42 Hexachlorobutadiene	225	5.235	5.233	0.002	97	629746	24.0	26.7	
44 Caprolactam	113	5.580	5.498	0.082	95	73458	6.40	6.78	M
45 4-Chloro-3-methylphenol	107	5.679	5.674	0.005	95	915215	24.0	26.6	
46 2-Methylnaphthalene	142	5.775	5.770	0.005	84	2374304	24.0	26.0	
47 1-Methylnaphthalene	142	5.865	5.863	0.002	92	2172847	24.0	25.6	
48 Hexachlorocyclopentadiene	237	5.929	5.927	0.002	97	747367	24.0	28.1	
49 1,2,4,5-Tetrachlorobenzene	216	5.935	5.933	0.002	98	1117523	24.0	26.6	
50 2-tertbutyl-4-methylphenol	149	6.003	6.000	0.003	91	1469682	24.0	28.3	
51 2,4,6-Trichlorophenol	196	6.060	6.055	0.005	92	720015	24.0	27.9	
52 2,4,5-Trichlorophenol	196	6.099	6.096	0.003	98	760983	24.0	26.7	
$ 53 2-Fluorobiphenyl	172	6.137	6.132	0.005	97	2840837	24.0	27.1	
54 1,1'-Biphenyl	154	6.227	6.221	0.006	97	2912142	24.0	26.0	
55 2-Chloronaphthalene	162	6.236	6.231	0.005	99	2253026	24.0	26.2	
56 Phenyl ether	170	6.329	6.327	0.002	84	1550827	24.0	25.5	
57 2-Nitroaniline	65	6.352	6.346	0.006	93	542761	24.0	26.0	
58 1,3-Dimethylnaphthalene	156	6.448	6.445	0.003	91	1783841	24.0	26.0	
60 Coumarin	146	6.540	6.534	0.006	81	849376	24.0	26.3	
59 Dimethyl phthalate	163	6.540	6.534	0.006	99	2428617	24.0	26.1	
61 2,6-Dinitrotoluene	165	6.589	6.582	0.006	96	520200	24.0	26.6	
62 Acenaphthylene	152	6.624	6.621	0.003	98	3309915	24.0	25.4	
63 3-Nitroaniline	138	6.745	6.739	0.006	97	514216	24.0	24.8	
* 64 Acenaphthene-d10	164	6.758	6.755	0.003	95	570521	8.00	8.00	
65 Acenaphthene	154	6.790	6.787	0.003	95	2029296	24.0	25.6	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.809	6.803	0.006	97	1911753	24.0	28.2	
67 2,4-Dinitrophenol	184	6.848	6.838	0.010	95	758372	48.0	52.3	
68 4-Nitrophenol	65	6.953	6.944	0.009	93	825544	48.0	55.4	
70 Dibenzofuran	168	6.957	6.950	0.007	91	3208604	24.0	25.8	
69 2,4-Dinitrotoluene	165	6.966	6.960	0.006	96	723015	24.0	27.6	a
71 2,3,4,6-Tetrachlorophenol	232	7.085	7.081	0.004	96	620698	24.0	26.8	
72 Diethyl phthalate	149	7.213	7.206	0.007	98	2271152	24.0	24.6	
73 Fluorene	166	7.277	7.273	0.004	94	2460532	24.0	26.1	
74 4-Chlorophenyl phenyl ether	204	7.290	7.286	0.004	91	1167967	24.0	25.7	
75 4-Nitroaniline	138	7.331	7.318	0.013	85	507014	24.0	26.1	
76 4,6-Dinitro-2-methylphenol	198	7.354	7.344	0.010	90	906891	48.0	58.5	
77 N-Nitrosodiphenylamine	169	7.411	7.405	0.006	98	1685982	24.0	26.4	
131 Azobenzene	77	7.440	7.437	0.003	0	2226531	24.0	26.2	
78 1,2-Diphenylhydrazine	77	7.440	7.437	0.003	98	2225422	24.0	26.2	
$ 79 2,4,6-Tribromophenol	330	7.507	7.504	0.003	91	548156	24.0	28.3	
80 4-Bromophenyl phenyl ether	248	7.747	7.747	0.000	94	696160	24.0	26.4	
82 Hexachlorobenzene	284	7.792	7.788	0.004	96	880167	24.0	26.9	
83 Atrazine	200	7.930	7.926	0.004	95	164880	6.40	7.92	
84 Pentachlorophenol	266	7.994	7.990	0.004	95	1220725	48.0	53.4	
85 Pentachloronitrobenzene	237	8.000	7.996	0.004	90	335518	24.0	28.8	
87 n-Octadecane	57	8.109	8.105	0.004	89	1286864	24.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.154	8.150	0.004	98	994999	8.00	8.00	
89 Phenanthrene	178	8.177	8.172	0.005	97	3345832	24.0	25.9	
90 Anthracene	178	8.225	8.220	0.005	98	3412434	24.0	26.2	
91 Carbazole	167	8.394	8.390	0.004	96	2943386	24.0	26.2	
92 Di-n-butyl phthalate	149	8.753	8.751	0.002	99	3633827	24.0	28.7	
93 Fluoranthene	202	9.293	9.291	0.002	97	3319729	24.0	26.8	
94 Benzidine	184	9.447	9.444	0.003	99	1056923	24.0	28.0	
95 Pyrene	202	9.501	9.499	0.003	97	3400637	24.0	25.1	
96 Bisphenol-A	213	9.597	9.594	0.003	99	1106972	24.0	27.8	
$ 97 Terphenyl-d14	244	9.678	9.675	0.003	97	3018338	24.0	27.4	
98 Butyl benzyl phthalate	149	10.167	10.164	0.003	96	1354893	24.0	28.5	
100 Carbamazepine	193	10.247	10.240	0.007	92	999609	24.0	25.9	
101 3,3'-Dichlorobenzidine	252	10.673	10.669	0.004	98	1153692	24.0	23.7	
102 Benzo[a]anthracene	228	10.670	10.669	0.001	99	3046631	24.0	26.7	
* 103 Chrysene-d12	240	10.680	10.679	0.002	99	712545	8.00	8.00	
104 Chrysene	228	10.708	10.704	0.004	98	2688848	24.0	24.7	
105 Bis(2-ethylhexyl) phthalate	149	10.779	10.778	0.001	85	1820673	24.0	23.9	
106 Di-n-octyl phthalate	149	11.525	11.523	0.002	96	2953752	24.0	26.8	
107 Benzo[b]fluoranthene	252	11.886	11.881	0.005	99	2599386	24.0	27.7	
108 Benzo[k]fluoranthene	252	11.922	11.913	0.009	99	2688458	24.0	27.4	
109 Benzo[a]pyrene	252	12.283	12.277	0.006	97	2385404	24.0	28.7	
* 110 Perylene-d12	264	12.351	12.348	0.003	99	683369	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.749	13.739	0.010	99	2684764	24.0	28.2	
112 Dibenz(a,h)anthracene	278	13.794	13.783	0.011	99	2691487	24.0	27.7	
113 Benzo[g,h,i]perylene	276	14.095	14.078	0.017	98	2493420	24.0	26.8	
S 115 Total Cresols	1				0			51.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL9_LVI_00007 Amount Added: 1.00 Units: mL

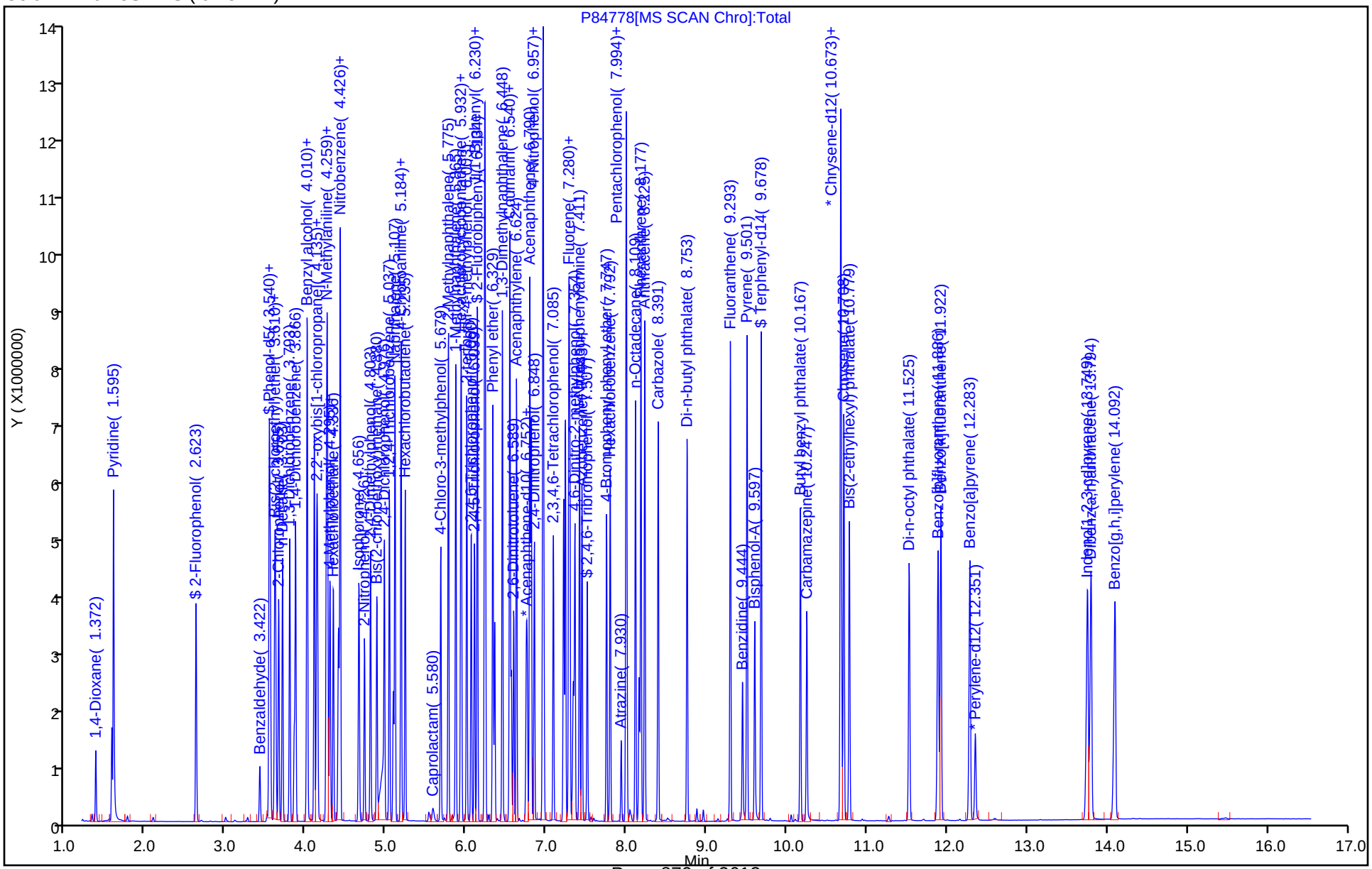
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84778.D

Injection Date:	17-Apr-2024 12:39:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD24			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

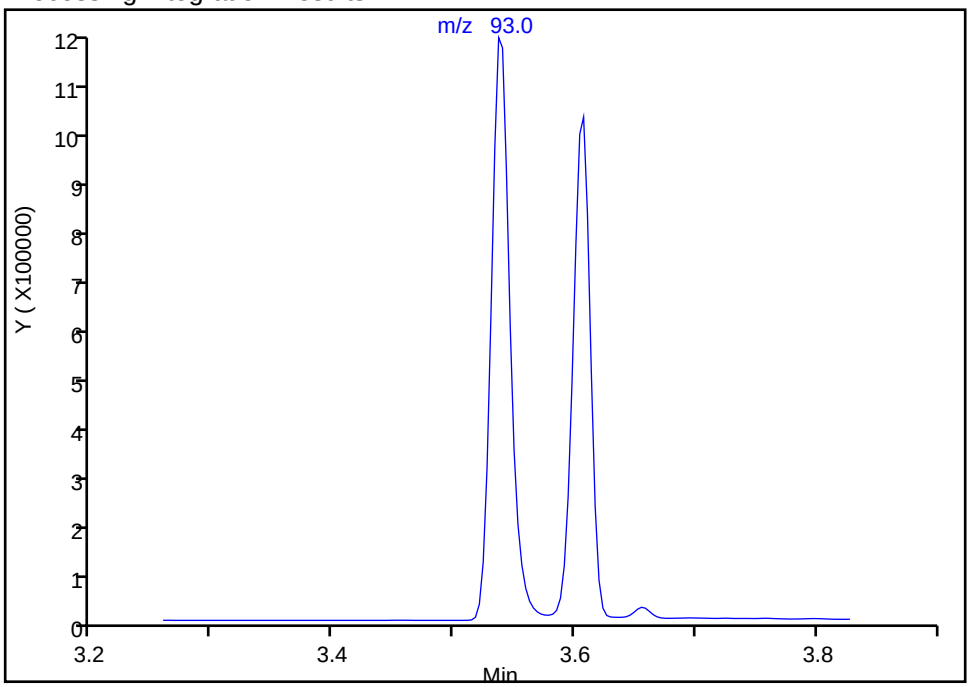
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Injection Date: 17-Apr-2024 12:39:30 Instrument ID: CBNAMS18
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

8 Aniline, CAS: 62-53-3

Signal: 1

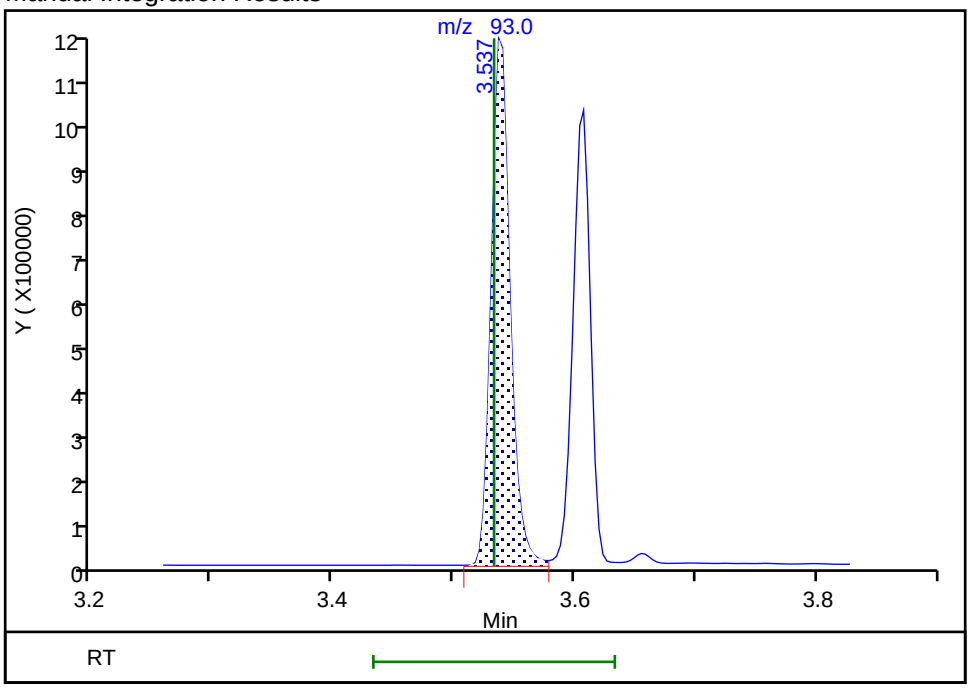
Not Detected
Expected RT: 3.53

Processing Integration Results



Manual Integration Results

RT: 3.54
Area: 1279829
Amount: 23.936226
Amount Units: ug/ml



Reviewer: G4KC, 17-Apr-2024 13:38:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

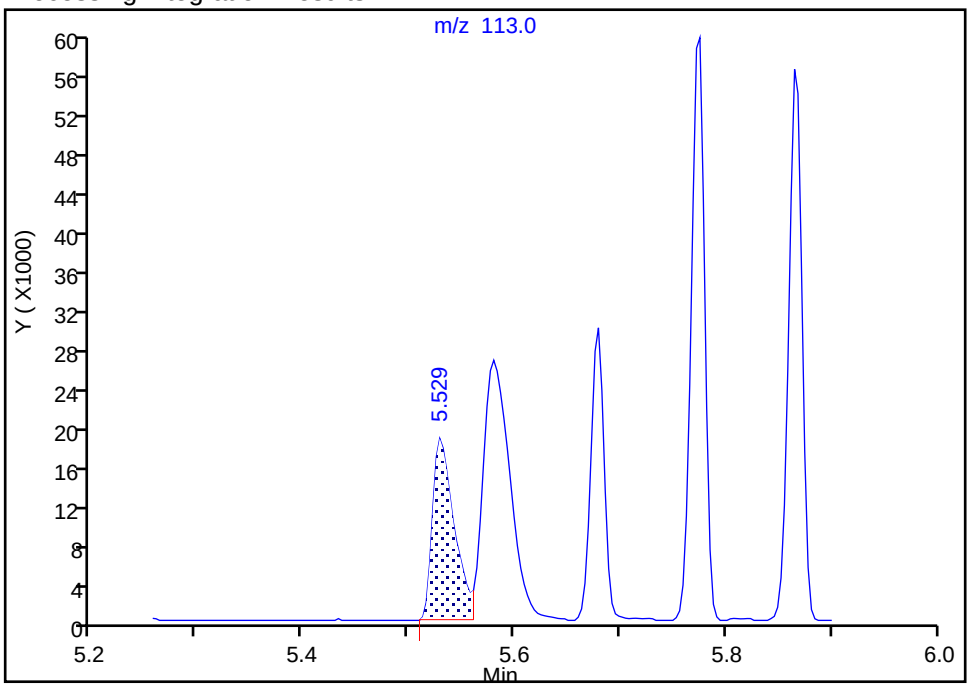
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Injection Date: 17-Apr-2024 12:39:30 Instrument ID: CBNAMS18
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

44 Caprolactam, CAS: 105-60-2

Signal: 1

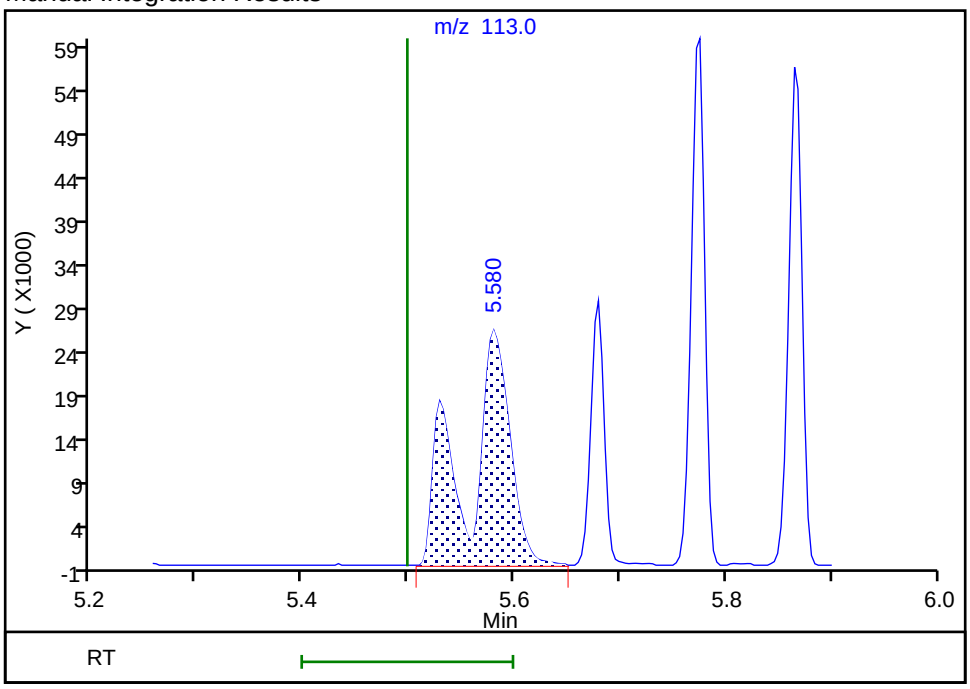
Processing Integration Results

RT: 5.53
Area: 26848
Amount: 3.675745
Amount Units: ug/ml



Manual Integration Results

RT: 5.58
Area: 73458
Amount: 6.781325
Amount Units: ug/ml



Reviewer: G4KC, 17-Apr-2024 13:39:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

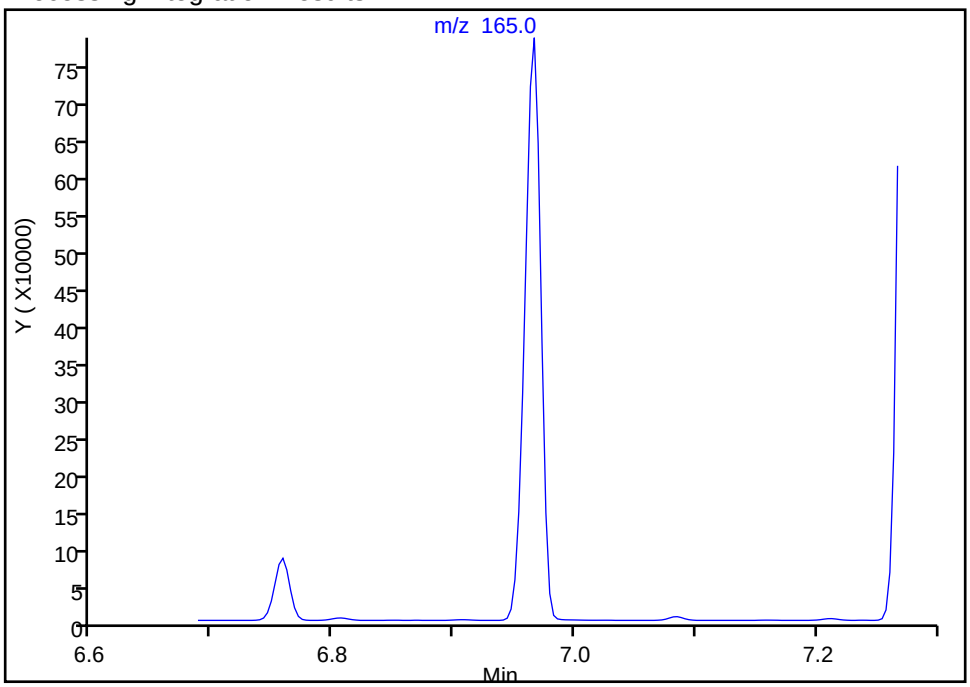
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Injection Date: 17-Apr-2024 12:39:30 Instrument ID: CBNAMS18
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

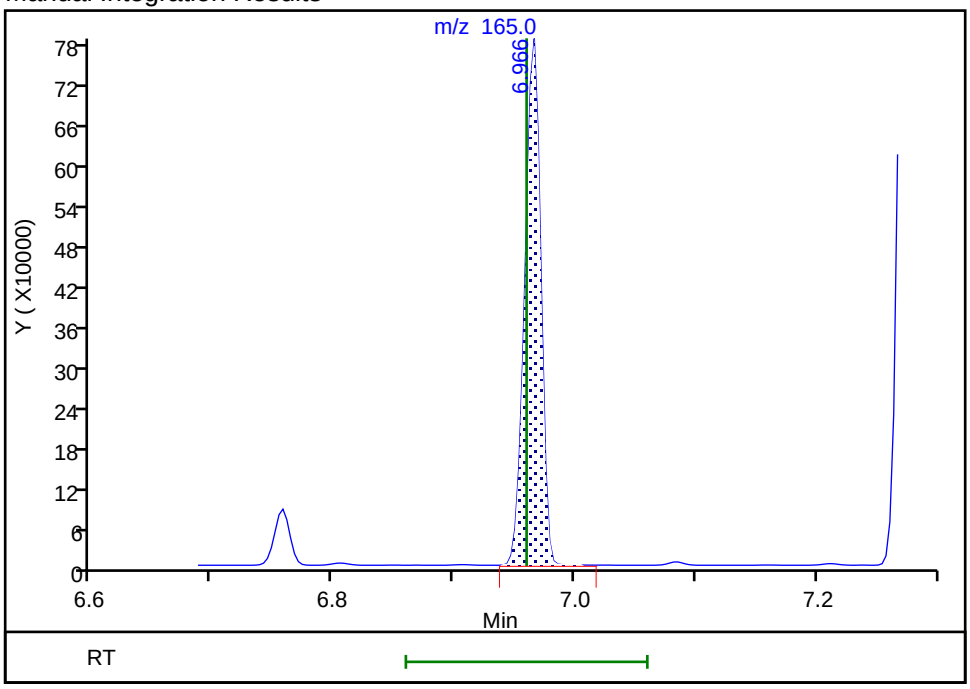
Not Detected
Expected RT: 6.96

Processing Integration Results



Manual Integration Results

RT: 6.97
Area: 723015
Amount: 27.648810
Amount Units: ug/ml



Reviewer: G4KC, 17-Apr-2024 13:39:22 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Report Date: 18-Apr-2024 07:28:23 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84780.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Apr-2024 13:21:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-004
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:21 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 07:16:54

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	1.375	1.375	0.000	91	271637	16.0	16.2	
2 N-Nitrosodimethylamine	74	1.573	1.573	0.000	93	424362	16.0	16.2	
3 Pyridine	79	1.595	1.598	-0.003	97	1297082	32.0	33.9	
$ 4 2-Fluorophenol	112	2.623	2.623	0.000	96	750853	16.0	17.6	
5 Benzaldehyde	77	3.418	3.418	0.000	95	163108	4.80	4.89	
$ 6 Phenol-d5	99	3.533	3.530	0.003	98	935990	16.0	18.3	
8 Aniline	93	3.533	3.533	0.000	91	852030	16.0	15.3	
7 Phenol	94	3.546	3.543	0.003	98	891024	16.0	16.0	
9 Bis(2-chloroethyl)ether	93	3.604	3.600	0.004	99	640730	16.0	15.9	
10 Benzonitrile	103	3.610	3.607	0.003	97	1336906	NC	NC	
11 2-Chlorophenol	128	3.652	3.651	0.001	97	700874	16.0	15.8	
12 n-Decane	43	3.703	3.702	0.001	88	527001	16.0	15.7	
13 1,3-Dichlorobenzene	146	3.792	3.789	0.003	97	802395	16.0	15.7	
* 14 1,4-Dichlorobenzene-d4	152	3.850	3.846	0.004	96	269514	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.866	3.865	0.001	96	810908	16.0	15.6	
17 Benzyl alcohol	108	4.006	4.003	0.003	95	466965	16.0	16.7	
18 1,2-Dichlorobenzene	146	4.013	4.012	0.001	97	796977	16.0	15.8	
21 2,2'-oxybis[1-chloropropane]	45	4.128	4.127	0.001	92	694198	16.0	15.6	
20 2-Methylphenol	108	4.134	4.131	0.003	90	629536	16.0	16.1	
22 N-Methylaniline	106	4.249	4.246	0.003	99	1114255	16.0	17.8	
23 Acetophenone	105	4.256	4.252	0.004	95	1039211	16.0	16.1	
24 N-Nitrosodi-n-propylamine	70	4.262	4.258	0.004	88	466483	16.0	16.8	
26 4-Methylphenol	108	4.291	4.287	0.004	97	664650	16.0	15.9	
25 3 & 4 Methylphenol	108	4.291	4.287	0.004	62	668501	16.0	16.0	
27 Hexachloroethane	117	4.336	4.335	0.001	93	291409	16.0	16.2	
$ 28 Nitrobenzene-d5	82	4.400	4.396	0.004	86	793498	16.0	17.6	
29 Nitrobenzene	123	4.419	4.415	0.004	96	385434	16.0	17.1	
30 n,n'-Dimethylaniline	120	4.422	4.418	0.004	92	1173220	16.0	16.6	
31 Isophorone	82	4.652	4.648	0.004	99	1243198	16.0	16.6	
32 2-Nitrophenol	139	4.726	4.722	0.004	96	404606	16.0	16.6	
33 2,4-Dimethylphenol	122	4.799	4.795	0.004	92	546507	16.0	16.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.879	4.875	0.004	97	820113	16.0	16.2	
35 Benzoic acid	122	4.937	4.914	0.023	92	426405	16.0	17.0	
36 2,4-Dichlorophenol	162	4.972	4.971	0.001	97	627271	16.0	16.6	
37 1,2,4-Trichlorobenzene	180	5.036	5.035	0.001	94	687876	16.0	16.5	
* 38 Naphthalene-d8	136	5.084	5.083	0.001	99	1058969	8.00	8.00	
39 Naphthalene	128	5.106	5.102	0.004	99	2232578	16.0	16.3	
40 4-Chloroaniline	127	5.180	5.179	0.001	98	789193	16.0	17.5	
41 2,6-Dichlorophenol	162	5.183	5.179	0.004	97	637540	16.0	16.5	
42 Hexachlorobutadiene	225	5.234	5.233	0.001	97	393913	16.0	16.3	
44 Caprolactam	113	5.512	5.498	0.014	95	55328	4.80	5.02	a
45 4-Chloro-3-methylphenol	107	5.675	5.674	0.001	95	585933	16.0	16.6	
46 2-Methylnaphthalene	142	5.774	5.770	0.004	85	1521571	16.0	16.3	
47 1-Methylnaphthalene	142	5.864	5.863	0.001	92	1375688	16.0	15.8	
48 Hexachlorocyclopentadiene	237	5.928	5.927	0.001	97	463225	16.0	17.3	
49 1,2,4,5-Tetrachlorobenzene	216	5.934	5.933	0.001	98	704243	16.0	16.6	
50 2-tertbutyl-4-methylphenol	149	6.002	6.000	0.002	92	908850	16.0	17.1	
51 2,4,6-Trichlorophenol	196	6.056	6.055	0.001	92	457812	16.0	17.6	
52 2,4,5-Trichlorophenol	196	6.098	6.096	0.002	98	483520	16.0	16.8	
$ 53 2-Fluorobiphenyl	172	6.133	6.132	0.001	98	1883968	16.0	17.9	
54 1,1'-Biphenyl	154	6.226	6.221	0.005	96	1864802	16.0	16.6	
55 2-Chloronaphthalene	162	6.232	6.231	0.001	99	1430087	16.0	16.5	
56 Phenyl ether	170	6.328	6.327	0.001	84	1002715	16.0	16.4	
57 2-Nitroaniline	65	6.350	6.346	0.004	92	353427	16.0	16.8	
58 1,3-Dimethylnaphthalene	156	6.446	6.445	0.001	92	1134754	16.0	16.4	
60 Coumarin	146	6.536	6.534	0.002	81	536777	16.0	16.2	
59 Dimethyl phthalate	163	6.536	6.534	0.002	99	1541224	16.0	16.5	
61 2,6-Dinitrotoluene	165	6.587	6.582	0.005	96	334869	16.0	17.0	
62 Acenaphthylene	152	6.622	6.621	0.001	98	2137859	16.0	16.3	
63 3-Nitroaniline	138	6.744	6.739	0.005	98	342600	16.0	16.4	
* 64 Acenaphthene-d10	164	6.757	6.755	0.002	95	574137	8.00	8.00	
65 Acenaphthene	154	6.789	6.787	0.002	95	1303958	16.0	16.4	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.808	6.803	0.005	97	1159696	16.0	17.0	
67 2,4-Dinitrophenol	184	6.843	6.838	0.005	96	474509	32.0	32.9	
68 4-Nitrophenol	65	6.949	6.944	0.005	82	526336	32.0	35.1	
70 Dibenzofuran	168	6.952	6.950	0.002	96	2030729	16.0	16.2	
69 2,4-Dinitrotoluene	165	6.962	6.960	0.002	95	468548	16.0	17.8	a
71 2,3,4,6-Tetrachlorophenol	232	7.083	7.081	0.002	95	395097	16.0	17.0	
72 Diethyl phthalate	149	7.208	7.206	0.002	98	1502857	16.0	16.2	
73 Fluorene	166	7.275	7.273	0.002	94	1557261	16.0	16.4	
74 4-Chlorophenyl phenyl ether	204	7.288	7.286	0.002	91	734702	16.0	16.1	
75 4-Nitroaniline	138	7.323	7.318	0.005	84	342496	16.0	17.6	
76 4,6-Dinitro-2-methylphenol	198	7.349	7.344	0.005	90	571563	32.0	35.6	
77 N-Nitrosodiphenylamine	169	7.407	7.405	0.001	98	1075580	16.0	16.3	
131 Azobenzene	77	7.439	7.437	0.002	0	1421686	16.0	16.2	
78 1,2-Diphenylhydrazine	77	7.439	7.437	0.002	98	1420605	16.0	16.2	
$ 79 2,4,6-Tribromophenol	330	7.506	7.504	0.002	92	354796	16.0	18.2	
80 4-Bromophenyl phenyl ether	248	7.746	7.747	-0.001	94	441693	16.0	16.2	
82 Hexachlorobenzene	284	7.790	7.788	0.002	96	555097	16.0	16.4	
83 Atrazine	200	7.928	7.926	0.002	94	121412	4.80	5.64	
84 Pentachlorophenol	266	7.992	7.990	0.002	95	762724	32.0	32.6	
85 Pentachloronitrobenzene	237	7.998	7.996	0.002	90	207004	16.0	17.2	
87 n-Octadecane	57	8.107	8.105	0.002	89	812620	16.0	16.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.152	8.150	0.002	98	1028684	8.00	8.00	
89 Phenanthrene	178	8.175	8.172	0.003	97	2142064	16.0	16.0	
90 Anthracene	178	8.223	8.220	0.003	98	2201112	16.0	16.3	
91 Carbazole	167	8.392	8.390	0.002	96	1917085	16.0	16.5	
92 Di-n-butyl phthalate	149	8.753	8.751	0.002	99	2304730	16.0	17.6	
93 Fluoranthene	202	9.291	9.291	0.000	98	2158342	16.0	16.8	
94 Benzidine	184	9.444	9.444	0.000	99	750859	16.0	19.2	
95 Pyrene	202	9.502	9.499	0.004	97	2243929	16.0	15.9	
96 Bisphenol-A	213	9.595	9.594	0.001	99	690082	16.0	16.7	
$ 97 Terphenyl-d14	244	9.678	9.675	0.003	97	1977433	16.0	17.3	
98 Butyl benzyl phthalate	149	10.168	10.164	0.004	96	865863	16.0	17.6	
100 Carbamazepine	193	10.244	10.240	0.004	92	613122	16.0	15.7	
101 3,3'-Dichlorobenzidine	252	10.670	10.669	0.001	99	798652	16.0	16.6	
102 Benzo[a]anthracene	228	10.670	10.669	0.001	99	1936081	16.0	16.3	
* 103 Chrysene-d12	240	10.680	10.679	0.002	99	739152	8.00	8.00	
104 Chrysene	228	10.705	10.704	0.001	98	1765349	16.0	15.6	
105 Bis(2-ethylhexyl) phthalate	149	10.776	10.778	-0.002	85	1155100	16.0	15.9	
106 Di-n-octyl phthalate	149	11.524	11.523	0.001	96	1834557	16.0	16.4	
107 Benzo[b]fluoranthene	252	11.883	11.881	0.002	98	1652112	16.0	17.2	
108 Benzo[k]fluoranthene	252	11.918	11.913	0.005	99	1730360	16.0	17.2	
109 Benzo[a]pyrene	252	12.280	12.277	0.003	97	1523575	16.0	17.9	
* 110 Perylene-d12	264	12.350	12.348	0.002	99	700514	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.745	13.739	0.006	99	1677713	16.0	17.2	
112 Dibenz(a,h)anthracene	278	13.787	13.783	0.004	97	1683043	16.0	16.9	
113 Benzo[g,h,i]perylene	276	14.085	14.078	0.007	98	1583692	16.0	16.6	
S 115 Total Cresols	1				0			32.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00008 Amount Added: 1.00 Units: mL

Report Date: 18-Apr-2024 07:28:23 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84780.D

Injection Date: 17-Apr-2024 13:21:30 Instrument ID: CBNAMS18 Operator ID:

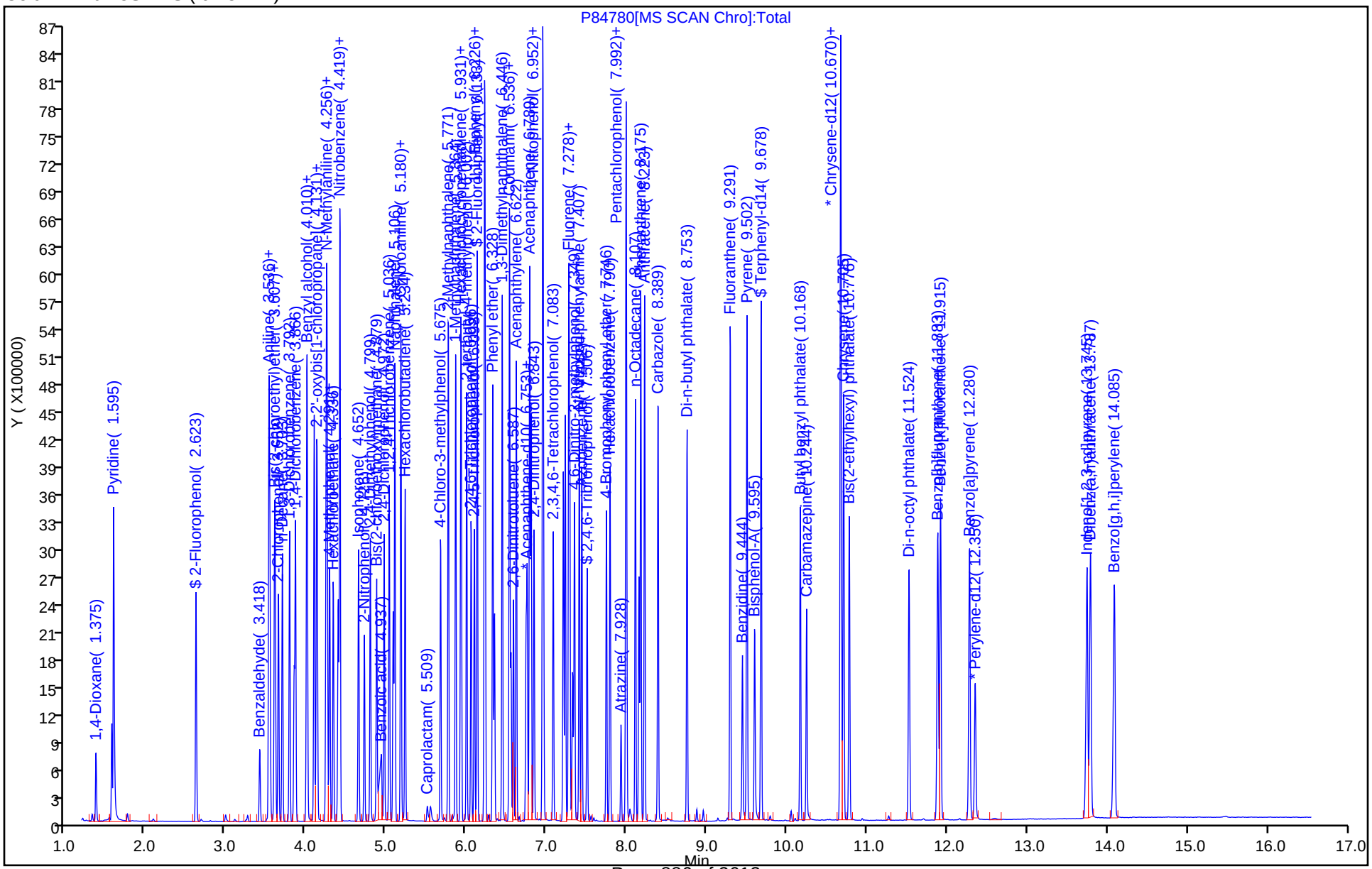
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

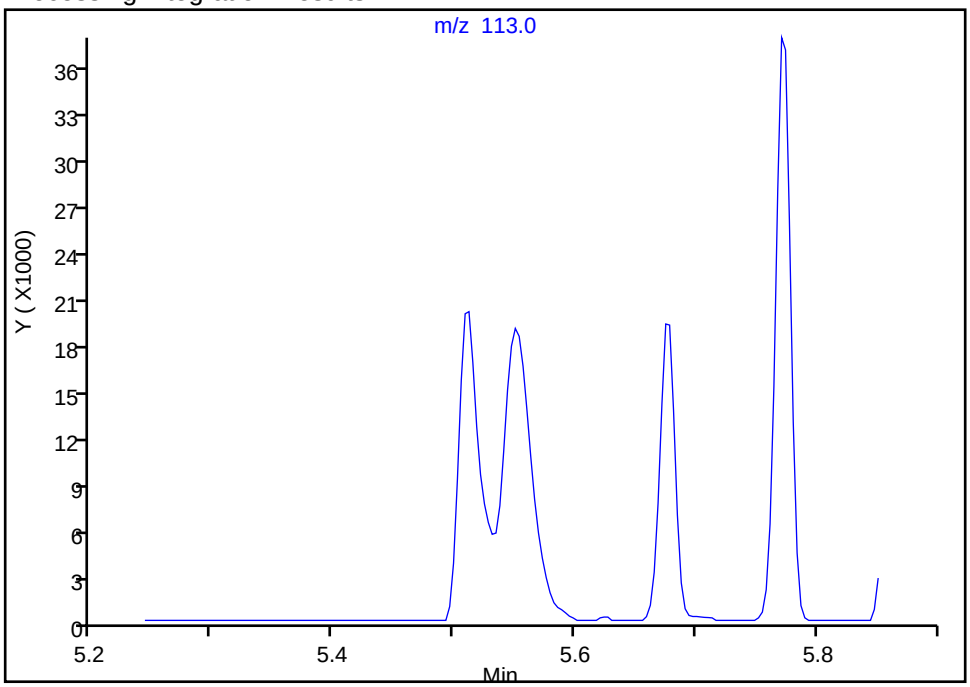
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Injection Date:	17-Apr-2024 13:21:30	Instrument ID:	CBNAMS18		
Lims ID:	STD16				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 Caprolactam, CAS: 105-60-2

Signal: 1

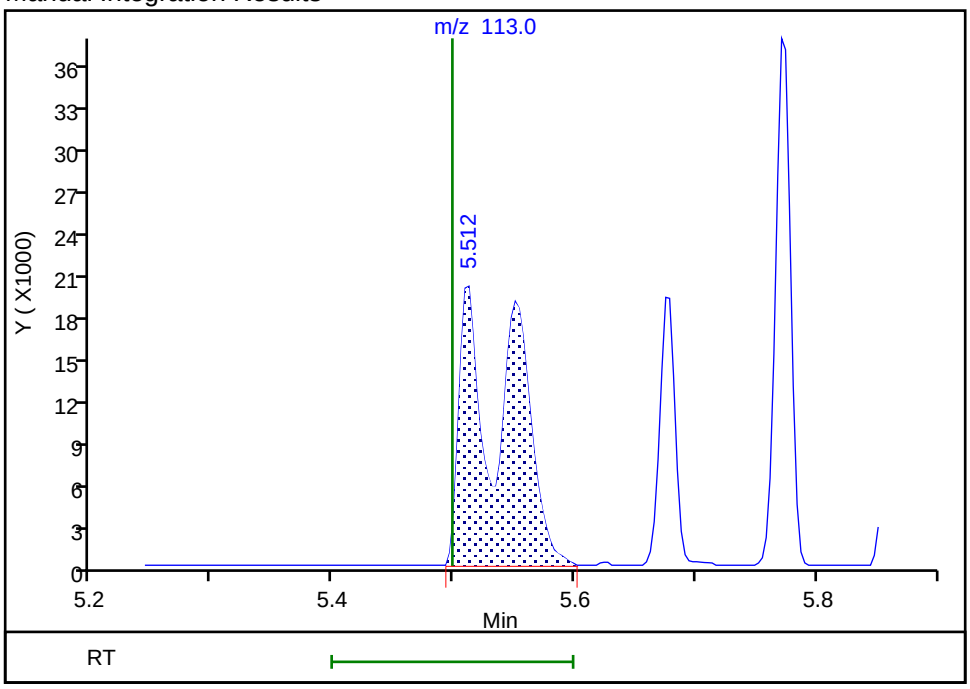
Not Detected
Expected RT: 5.50

Processing Integration Results



Manual Integration Results

RT: 5.51
Area: 55328
Amount: 5.020949
Amount Units: ug/ml



Reviewer: G4KC, 18-Apr-2024 06:37:01 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

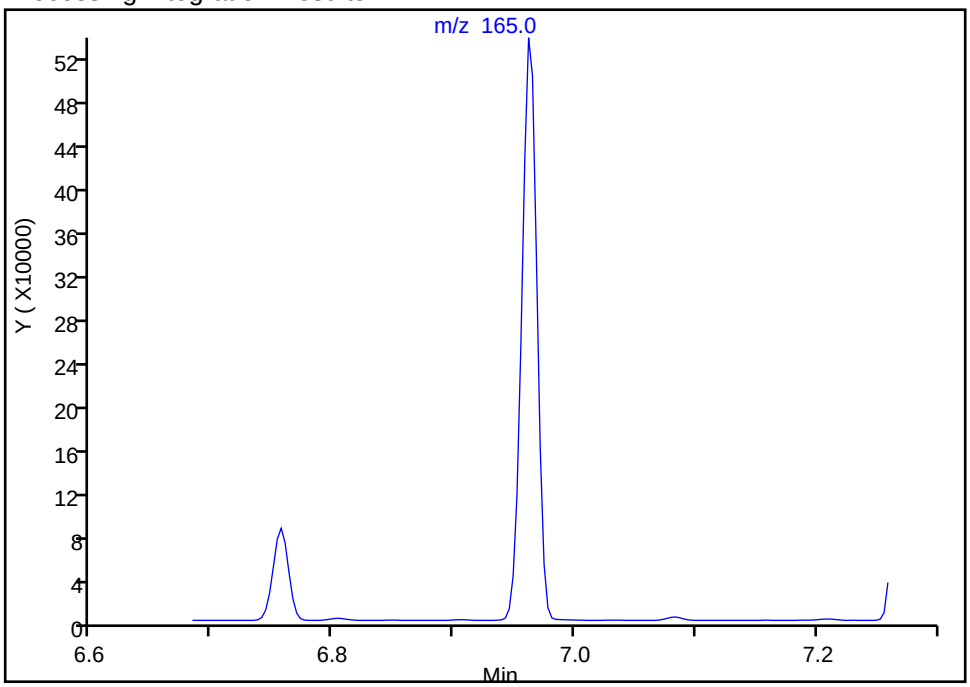
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Injection Date: 17-Apr-2024 13:21:30 Instrument ID: CBNAMS18
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

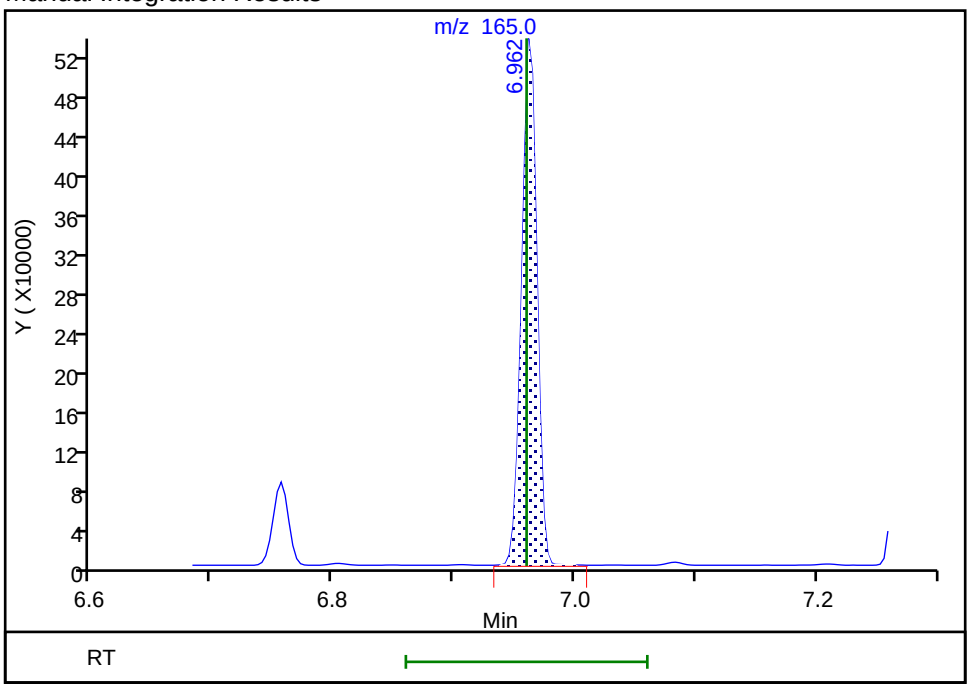
Not Detected
Expected RT: 6.96

Processing Integration Results



Manual Integration Results

RT: 6.96
Area: 468548
Amount: 17.804891
Amount Units: ug/ml



Reviewer: G4KC, 18-Apr-2024 07:16:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Report Date: 18-Apr-2024 07:28:28 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84782.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Apr-2024 14:04:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-005
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:26 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 07:17:45

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	1.378	1.375	0.003	92	65102	4.00	4.01	
2 N-Nitrosodimethylamine	74	1.576	1.573	0.003	92	104502	4.00	4.11	
3 Pyridine	79	1.601	1.598	0.003	96	324896	8.00	8.76	
$ 4 2-Fluorophenol	112	2.623	2.623	0.000	96	166216	4.00	4.01	
5 Benzaldehyde	77	3.418	3.418	0.000	95	103133	3.20	3.19	
$ 6 Phenol-d5	99	3.530	3.530	0.000	98	205401	4.00	4.14	
8 Aniline	93	3.533	3.533	0.000	91	218990	4.00	4.07	
7 Phenol	94	3.543	3.543	0.000	98	216400	4.00	4.01	
9 Bis(2-chloroethyl)ether	93	3.597	3.600	-0.003	99	157987	4.00	4.05	
10 Benzonitrile	103	3.606	3.607	-0.001	97	319066	NC	NC	
11 2-Chlorophenol	128	3.651	3.651	0.000	97	170889	4.00	3.99	
12 n-Decane	43	3.699	3.702	-0.003	87	128437	4.00	3.96	
13 1,3-Dichlorobenzene	146	3.789	3.789	0.000	96	195084	4.00	3.95	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	95	261178	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.862	3.865	-0.003	96	199453	4.00	3.96	
17 Benzyl alcohol	108	3.999	4.003	-0.004	95	108945	4.00	4.02	
18 1,2-Dichlorobenzene	146	4.012	4.012	0.000	97	192509	4.00	3.93	
21 2,2'-oxybis[1-chloropropane]	45	4.127	4.127	0.000	95	173381	4.00	4.02	
20 2-Methylphenol	108	4.130	4.131	-0.001	90	152064	4.00	4.01	
22 N-Methylaniline	106	4.245	4.246	-0.001	94	261931	4.00	4.31	
23 Acetophenone	105	4.249	4.252	-0.003	95	245507	4.00	3.93	
24 N-Nitrosodi-n-propylamine	70	4.255	4.258	-0.003	88	113491	4.00	4.23	
26 4-Methylphenol	108	4.287	4.287	0.000	96	161761	4.00	4.00	
25 3 & 4 Methylphenol	108	4.287	4.287	0.000	62	162798	4.00	4.01	
27 Hexachloroethane	117	4.335	4.335	0.000	93	70818	4.00	4.06	
$ 28 Nitrobenzene-d5	82	4.392	4.396	-0.004	86	181884	4.00	4.06	
29 Nitrobenzene	123	4.412	4.415	-0.003	98	91478	4.00	4.18	
30 n,n'-Dimethylaniline	120	4.415	4.418	-0.003	93	270362	4.00	3.96	
31 Isophorone	82	4.648	4.648	0.000	99	309774	4.00	4.17	
32 2-Nitrophenol	139	4.721	4.722	-0.001	95	96607	4.00	3.99	
33 2,4-Dimethylphenol	122	4.795	4.795	0.000	91	130981	4.00	4.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.875	4.875	0.000	98	203705	4.00	4.05	
35 Benzoic acid	122	4.888	4.914	-0.026	88	86133	4.00	3.88	
36 2,4-Dichlorophenol	162	4.971	4.971	0.000	97	150005	4.00	3.99	
37 1,2,4-Trichlorobenzene	180	5.035	5.035	0.000	94	167241	4.00	4.04	
* 38 Naphthalene-d8	136	5.083	5.083	0.000	99	1052595	8.00	8.00	
39 Naphthalene	128	5.102	5.102	0.000	99	553038	4.00	4.05	
40 4-Chloroaniline	127	5.178	5.179	-0.001	96	191072	4.00	4.27	
41 2,6-Dichlorophenol	162	5.178	5.179	-0.001	97	153540	4.00	4.01	
42 Hexachlorobutadiene	225	5.233	5.233	0.000	96	94716	4.00	3.94	
44 Caprolactam	113	5.488	5.498	-0.010	95	32935	3.20	3.07	
45 4-Chloro-3-methylphenol	107	5.674	5.674	0.000	97	141882	4.00	4.04	
46 2-Methylnaphthalene	142	5.770	5.770	0.000	91	375017	4.00	4.03	
47 1-Methylnaphthalene	142	5.862	5.863	-0.001	92	348312	4.00	4.02	
48 Hexachlorocyclopentadiene	237	5.926	5.927	-0.001	97	107734	4.00	3.88	
49 1,2,4,5-Tetrachlorobenzene	216	5.933	5.933	0.000	97	168298	4.00	3.83	
50 2-tertbutyl-4-methylphenol	149	6.000	6.000	0.000	91	214868	4.00	4.06	
51 2,4,6-Trichlorophenol	196	6.054	6.055	-0.001	93	110690	4.00	4.11	
52 2,4,5-Trichlorophenol	196	6.096	6.096	0.000	98	119164	4.00	4.00	
$ 53 2-Fluorobiphenyl	172	6.131	6.132	-0.001	97	432168	4.00	3.95	
54 1,1'-Biphenyl	154	6.220	6.221	-0.001	96	457223	4.00	3.91	
55 2-Chloronaphthalene	162	6.230	6.231	-0.001	99	351725	4.00	3.92	
56 Phenyl ether	170	6.326	6.327	-0.001	85	248220	4.00	3.90	
57 2-Nitroaniline	65	6.345	6.346	-0.001	94	89665	4.00	4.11	
58 1,3-Dimethylnaphthalene	156	6.444	6.445	-0.001	92	280304	4.00	3.91	
60 Coumarin	146	6.530	6.534	-0.004	79	126950	4.00	3.86	
59 Dimethyl phthalate	163	6.530	6.534	-0.004	99	381829	4.00	3.93	
61 2,6-Dinitrotoluene	165	6.582	6.582	0.000	96	83976	4.00	4.11	
62 Acenaphthylene	152	6.620	6.621	-0.001	98	539316	4.00	3.97	
63 3-Nitroaniline	138	6.738	6.739	-0.001	96	91294	4.00	4.22	
* 64 Acenaphthene-d10	164	6.754	6.755	-0.001	94	595916	8.00	8.00	
65 Acenaphthene	154	6.786	6.787	-0.001	96	321763	4.00	3.89	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.802	6.803	-0.001	97	273213	4.00	3.86	
67 2,4-Dinitrophenol	184	6.837	6.838	-0.001	96	99897	8.00	7.49	
68 4-Nitrophenol	65	6.943	6.944	-0.001	84	125283	8.00	8.05	
70 Dibenzofuran	168	6.949	6.950	-0.001	96	508203	4.00	3.92	
69 2,4-Dinitrotoluene	165	6.959	6.960	-0.001	93	115968	4.00	4.25	
71 2,3,4,6-Tetrachlorophenol	232	7.080	7.081	-0.001	95	97288	4.00	4.02	
72 Diethyl phthalate	149	7.202	7.206	-0.004	98	362912	4.00	3.76	
73 Fluorene	166	7.272	7.273	-0.001	93	394634	4.00	4.00	
74 4-Chlorophenyl phenyl ether	204	7.288	7.286	0.002	95	189111	4.00	3.99	
75 4-Nitroaniline	138	7.314	7.318	-0.004	86	83314	4.00	4.11	
76 4,6-Dinitro-2-methylphenol	198	7.339	7.344	-0.005	89	134705	8.00	8.09	
77 N-Nitrosodiphenylamine	169	7.403	7.405	-0.002	98	273140	4.00	3.98	
131 Azobenzene	77	7.435	7.437	-0.002	0	371287	4.00	4.07	
78 1,2-Diphenylhydrazine	77	7.435	7.437	-0.002	99	371325	4.00	4.07	
$ 79 2,4,6-Tribromophenol	330	7.503	7.504	-0.002	92	80059	4.00	3.96	
80 4-Bromophenyl phenyl ether	248	7.745	7.747	-0.002	93	113820	4.00	4.02	
82 Hexachlorobenzene	284	7.790	7.788	0.002	96	138282	4.00	3.95	
83 Atrazine	200	7.928	7.926	0.002	95	76157	3.20	3.41	
84 Pentachlorophenol	266	7.988	7.990	-0.002	95	163661	8.00	7.43	
85 Pentachloronitrobenzene	237	7.995	7.996	-0.001	90	48190	4.00	3.86	
87 n-Octadecane	57	8.107	8.105	0.002	90	196907	4.00	3.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.151	8.150	0.001	98	1067586	8.00	8.00	
89 Phenanthrene	178	8.171	8.172	-0.001	97	558798	4.00	4.02	
90 Anthracene	178	8.219	8.220	-0.001	99	554522	4.00	3.97	
91 Carbazole	167	8.388	8.390	-0.002	96	485879	4.00	4.03	
92 Di-n-butyl phthalate	149	8.752	8.751	0.001	99	534879	4.00	3.93	
93 Fluoranthene	202	9.289	9.291	-0.002	98	539046	4.00	4.05	
94 Benzidine	184	9.442	9.444	-0.002	99	165309	4.00	4.08	
95 Pyrene	202	9.497	9.499	-0.001	97	563354	4.00	4.05	
96 Bisphenol-A	213	9.596	9.594	0.002	98	175131	4.00	4.29	
$ 97 Terphenyl-d14	244	9.676	9.675	0.001	97	453448	4.00	4.01	
98 Butyl benzyl phthalate	149	10.165	10.164	0.001	97	190637	4.00	3.91	
100 Carbamazepine	193	10.238	10.240	-0.002	92	104427	4.00	3.42	
101 3,3'-Dichlorobenzidine	252	10.667	10.669	-0.002	99	167436	4.00	3.94	
102 Benzo[a]anthracene	228	10.667	10.669	-0.002	100	465057	4.00	3.98	
* 103 Chrysene-d12	240	10.676	10.679	-0.002	99	730100	8.00	8.00	
104 Chrysene	228	10.702	10.704	-0.002	98	442394	4.00	3.97	
105 Bis(2-ethylhexyl) phthalate	149	10.779	10.778	0.001	85	244248	4.00	3.96	
106 Di-n-octyl phthalate	149	11.524	11.523	0.001	96	370867	4.00	3.68	
107 Benzo[b]fluoranthene	252	11.879	11.881	-0.002	98	405375	4.00	4.14	
108 Benzo[k]fluoranthene	252	11.911	11.913	-0.002	99	446876	4.00	4.37	
109 Benzo[a]pyrene	252	12.275	12.277	-0.002	98	379452	4.00	4.37	
* 110 Perylene-d12	264	12.349	12.348	0.001	99	713645	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.737	13.739	-0.002	99	400845	4.00	4.03	
112 Dibenz(a,h)anthracene	278	13.782	13.783	-0.001	97	408385	4.00	4.02	
113 Benzo[g,h,i]perylene	276	14.076	14.078	-0.002	98	401396	4.00	4.13	
S 115 Total Cresols	1				0			8.03	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL6_LVI_00009 Amount Added: 1.00 Units: mL

Report Date: 18-Apr-2024 07:28:28 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84782.D

Injection Date: 17-Apr-2024 14:04:30 Instrument ID: CBNAMS18 Operator ID:

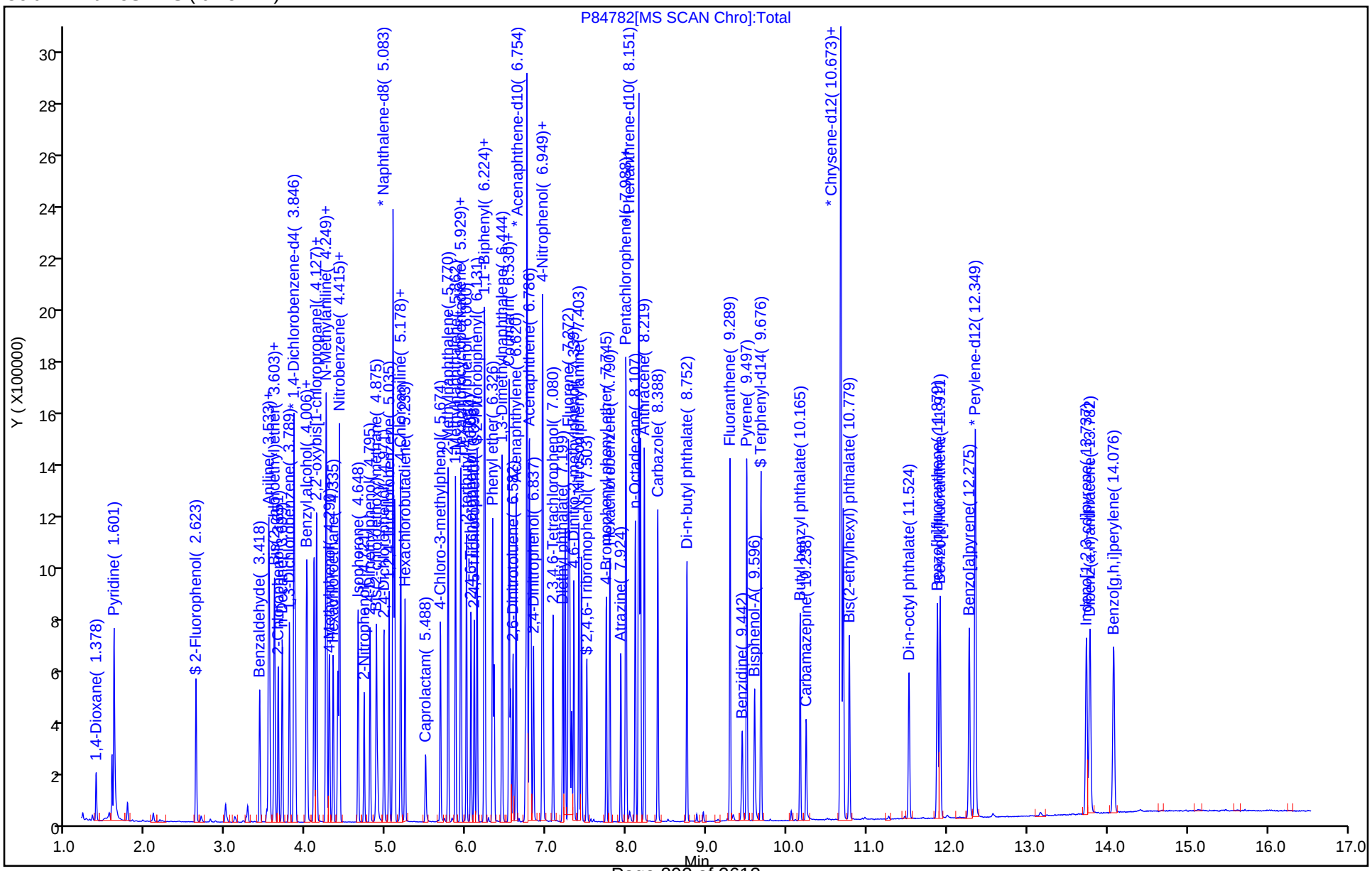
Lims ID: STD4 Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 18-Apr-2024 07:28:32 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84784.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Apr-2024 14:46:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-006
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:30 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 07:18:39

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	1.375	1.375	0.000	92	32566	2.00	2.11	
2 N-Nitrosodimethylamine	74	1.573	1.573	0.000	92	47495	2.00	1.97	
3 Pyridine	79	1.601	1.598	0.003	96	144304	4.00	4.10	
$ 4 2-Fluorophenol	112	2.623	2.623	0.000	96	77260	2.00	1.96	
5 Benzaldehyde	77	3.415	3.418	-0.003	95	60189	2.00	1.96	
$ 6 Phenol-d5	99	3.526	3.530	-0.004	98	95940	2.00	2.04	
8 Aniline	93	3.530	3.533	-0.003	95	102862	2.00	2.01	
7 Phenol	94	3.539	3.543	-0.004	98	98207	2.00	1.92	
9 Bis(2-chloroethyl)ether	93	3.594	3.600	-0.006	98	72815	2.00	1.97	
10 Benzonitrile	103	3.603	3.607	-0.004	97	150418	NC	NC	
11 2-Chlorophenol	128	3.648	3.651	-0.003	96	79020	2.00	1.94	
12 n-Decane	43	3.699	3.702	-0.003	87	60511	2.00	1.97	
13 1,3-Dichlorobenzene	146	3.788	3.789	-0.001	97	90526	2.00	1.93	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	95	247808	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.862	3.865	-0.003	96	92812	2.00	1.94	
17 Benzyl alcohol	108	3.999	4.003	-0.004	94	48728	2.00	1.89	
18 1,2-Dichlorobenzene	146	4.009	4.012	-0.003	96	90325	2.00	1.94	
21 2,2'-oxybis[1-chloropropane]	45	4.124	4.127	-0.003	91	80949	2.00	1.98	
20 2-Methylphenol	108	4.130	4.131	-0.001	93	68320	2.00	1.90	
22 N-Methylaniline	106	4.242	4.246	-0.004	93	120805	2.00	2.09	
23 Acetophenone	105	4.248	4.252	-0.004	95	114614	2.00	1.93	
24 N-Nitrosodi-n-propylamine	70	4.255	4.258	-0.003	89	53058	2.00	2.08	
26 4-Methylphenol	108	4.287	4.287	0.000	96	74830	2.00	1.95	
25 3 & 4 Methylphenol	108	4.287	4.287	0.000	62	74830	2.00	1.94	
27 Hexachloroethane	117	4.335	4.335	0.000	94	33693	2.00	2.03	
$ 28 Nitrobenzene-d5	82	4.392	4.396	-0.004	86	84626	2.00	1.98	
29 Nitrobenzene	123	4.411	4.415	-0.004	98	40377	2.00	1.95	
30 n,n'-Dimethylaniline	120	4.415	4.418	-0.003	97	127656	2.00	1.97	
31 Isophorone	82	4.644	4.648	-0.004	99	140410	2.00	1.98	
32 2-Nitrophenol	139	4.721	4.722	-0.001	95	43649	2.00	1.89	
33 2,4-Dimethylphenol	122	4.795	4.795	0.000	91	58637	2.00	1.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.874	4.875	-0.001	97	92784	2.00	1.93	a
35 Benzoic acid	122	4.874	4.914	-0.040	89	33241	2.00	1.88	
36 2,4-Dichlorophenol	162	4.970	4.971	-0.001	96	67487	2.00	1.88	
37 1,2,4-Trichlorobenzene	180	5.034	5.035	-0.001	94	77023	2.00	1.95	
* 38 Naphthalene-d8	136	5.082	5.083	-0.001	99	1004326	8.00	8.00	
39 Naphthalene	128	5.101	5.102	-0.001	99	255680	2.00	1.96	
40 4-Chloroaniline	127	5.175	5.179	-0.004	91	91005	2.00	2.13	
41 2,6-Dichlorophenol	162	5.178	5.179	-0.001	92	69047	2.00	1.89	
42 Hexachlorobutadiene	225	5.232	5.233	-0.001	96	44367	2.00	1.93	
44 Caprolactam	113	5.481	5.498	-0.017	94	18263	2.00	1.84	
45 4-Chloro-3-methylphenol	107	5.673	5.674	-0.001	96	63608	2.00	1.90	
46 2-Methylnaphthalene	142	5.769	5.770	-0.001	85	174638	2.00	1.97	
47 1-Methylnaphthalene	142	5.861	5.863	-0.002	93	163118	2.00	1.97	
48 Hexachlorocyclopentadiene	237	5.925	5.927	-0.002	97	48767	2.00	1.82	
49 1,2,4,5-Tetrachlorobenzene	216	5.932	5.933	-0.001	98	80300	2.00	1.89	
50 2-tertbutyl-4-methylphenol	149	5.999	6.000	-0.001	91	99050	2.00	1.96	
51 2,4,6-Trichlorophenol	196	6.056	6.055	0.001	90	49343	2.00	1.90	
52 2,4,5-Trichlorophenol	196	6.095	6.096	-0.001	97	52151	2.00	1.81	
$ 53 2-Fluorobiphenyl	172	6.130	6.132	-0.002	97	202871	2.00	1.92	
54 1,1'-Biphenyl	154	6.220	6.221	-0.001	96	214899	2.00	1.91	
55 2-Chloronaphthalene	162	6.229	6.231	-0.002	99	164122	2.00	1.89	
56 Phenyl ether	170	6.325	6.327	-0.002	84	118361	2.00	1.93	
57 2-Nitroaniline	65	6.344	6.346	-0.002	95	40650	2.00	1.93	
58 1,3-Dimethylnaphthalene	156	6.443	6.445	-0.002	92	130947	2.00	1.89	
60 Coumarin	146	6.529	6.534	-0.005	69	61548	2.00	1.96	
59 Dimethyl phthalate	163	6.529	6.534	-0.005	99	176852	2.00	1.89	
61 2,6-Dinitrotoluene	165	6.581	6.582	-0.001	96	39339	2.00	1.99	
62 Acenaphthylene	152	6.619	6.621	-0.002	98	255067	2.00	1.94	
63 3-Nitroaniline	138	6.737	6.739	-0.002	97	39905	2.00	1.91	
* 64 Acenaphthene-d10	164	6.753	6.755	-0.002	95	575144	8.00	8.00	
65 Acenaphthene	154	6.785	6.787	-0.002	95	153327	2.00	1.92	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.801	6.803	-0.002	97	125439	2.00	1.83	
67 2,4-Dinitrophenol	184	6.836	6.838	-0.002	97	41036	4.00	3.78	
68 4-Nitrophenol	65	6.945	6.944	0.001	83	54353	4.00	3.62	
70 Dibenzofuran	168	6.948	6.950	-0.002	96	239672	2.00	1.91	
69 2,4-Dinitrotoluene	165	6.958	6.960	-0.002	93	52567	2.00	1.99	
71 2,3,4,6-Tetrachlorophenol	232	7.079	7.081	-0.002	94	42876	2.00	1.84	
72 Diethyl phthalate	149	7.201	7.206	-0.005	98	167546	2.00	1.80	
73 Fluorene	166	7.271	7.273	-0.002	94	184808	2.00	1.94	
74 4-Chlorophenyl phenyl ether	204	7.287	7.286	0.001	91	88375	2.00	1.93	
75 4-Nitroaniline	138	7.309	7.318	-0.009	86	36584	2.00	1.87	
76 4,6-Dinitro-2-methylphenol	198	7.338	7.344	-0.006	87	57212	4.00	3.48	
77 N-Nitrosodiphenylamine	169	7.402	7.405	-0.003	98	130962	2.00	1.93	
131 Azobenzene	77	7.434	7.437	-0.003	0	167991	2.00	1.86	
78 1,2-Diphenylhydrazine	77	7.434	7.437	-0.003	99	168174	2.00	1.86	
$ 79 2,4,6-Tribromophenol	330	7.501	7.504	-0.003	92	36366	2.00	1.86	
80 4-Bromophenyl phenyl ether	248	7.744	7.747	-0.003	92	52379	2.00	1.87	
82 Hexachlorobenzene	284	7.789	7.788	0.001	96	65875	2.00	1.90	
83 Atrazine	200	7.926	7.926	0.000	95	42724	2.00	1.94	
84 Pentachlorophenol	266	7.987	7.990	-0.003	95	69261	4.00	3.68	
85 Pentachloronitrobenzene	237	7.993	7.996	-0.003	86	21850	2.00	1.77	
87 n-Octadecane	57	8.105	8.105	0.000	91	89323	2.00	1.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.150	8.150	0.000	98	1055599	8.00	8.00	
89 Phenanthrene	178	8.169	8.172	-0.003	97	265601	2.00	1.93	
90 Anthracene	178	8.217	8.220	-0.003	98	259817	2.00	1.88	
91 Carbazole	167	8.386	8.390	-0.004	96	224879	2.00	1.89	
92 Di-n-butyl phthalate	149	8.750	8.751	-0.001	99	235656	2.00	1.75	
93 Fluoranthene	202	9.287	9.291	-0.004	97	252555	2.00	1.92	
94 Benzidine	184	9.440	9.444	-0.004	99	73290	2.00	1.83	
95 Pyrene	202	9.498	9.499	0.000	97	264766	2.00	1.97	
96 Bisphenol-A	213	9.597	9.594	0.003	98	72369	2.00	1.84	
$ 97 Terphenyl-d14	244	9.674	9.675	-0.001	97	214309	2.00	1.96	
98 Butyl benzyl phthalate	149	10.163	10.164	-0.001	97	82978	2.00	1.76	
100 Carbamazepine	193	10.236	10.240	-0.004	93	39145	2.00	1.85	
101 3,3'-Dichlorobenzidine	252	10.667	10.669	-0.002	97	71457	2.00	1.84	
102 Benzo[a]anthracene	228	10.667	10.669	-0.002	99	216188	2.00	1.91	
* 103 Chrysene-d12	240	10.674	10.679	-0.004	99	705562	8.00	8.00	
104 Chrysene	228	10.703	10.704	-0.001	98	213576	2.00	1.98	
105 Bis(2-ethylhexyl) phthalate	149	10.776	10.778	-0.002	86	104000	2.00	1.86	
106 Di-n-octyl phthalate	149	11.521	11.523	-0.002	96	153673	2.00	1.87	
107 Benzo[b]fluoranthene	252	11.876	11.881	-0.005	98	190250	2.00	1.99	
108 Benzo[k]fluoranthene	252	11.908	11.913	-0.005	99	199935	2.00	2.00	
109 Benzo[a]pyrene	252	12.272	12.277	-0.005	97	170734	2.00	2.02	
* 110 Perylene-d12	264	12.349	12.348	0.001	99	696725	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.730	13.739	-0.009	99	190504	2.00	1.96	
112 Dibenz(a,h)anthracene	278	13.778	13.783	-0.005	97	197896	2.00	2.00	
113 Benzo[g,h,i]perylene	276	14.070	14.078	-0.008	98	188962	2.00	1.99	
S 115 Total Cresols	1				0			3.84	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL5_LVI_00008 Amount Added: 1.00 Units: mL

Report Date: 18-Apr-2024 07:28:32 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84784.D

Injection Date: 17-Apr-2024 14:46:30 Instrument ID: CBNAMS18 Operator ID:

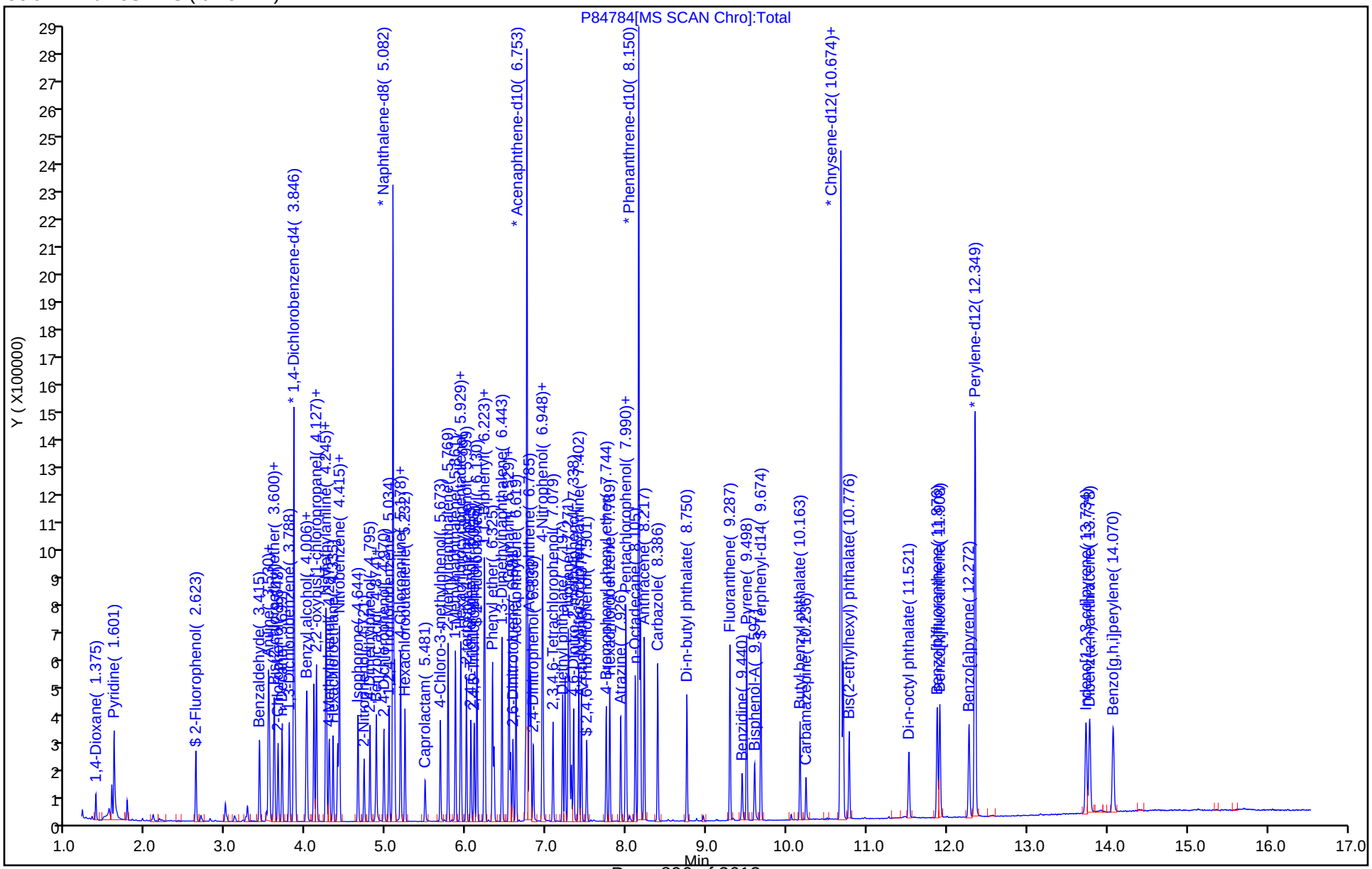
Lims ID: STD2 Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

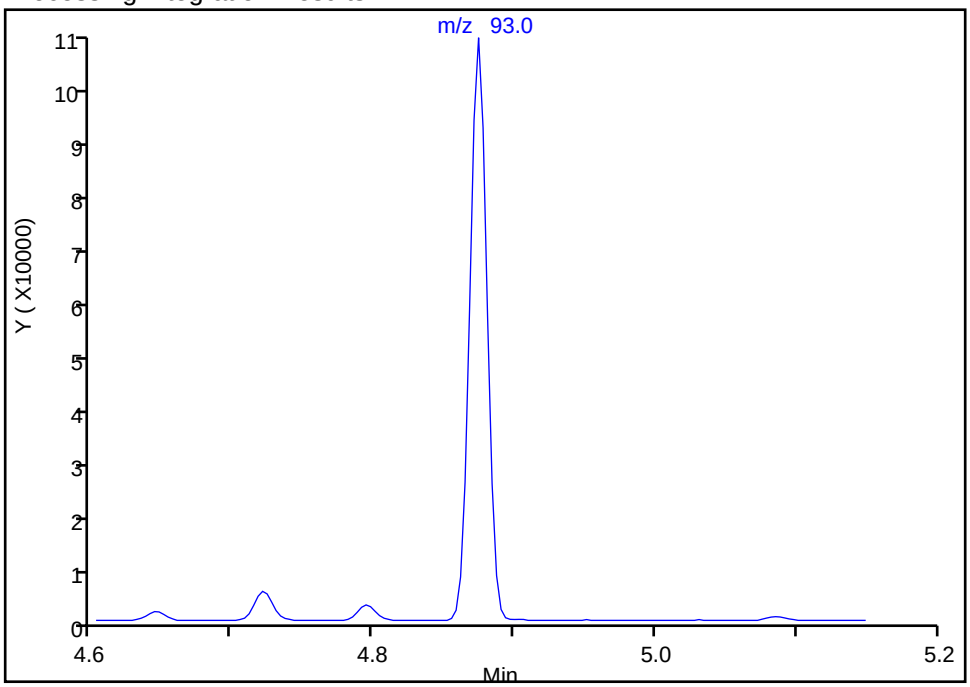
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Injection Date:	17-Apr-2024 14:46:30	Instrument ID:	CBNAMS18		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

34 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Signal: 1

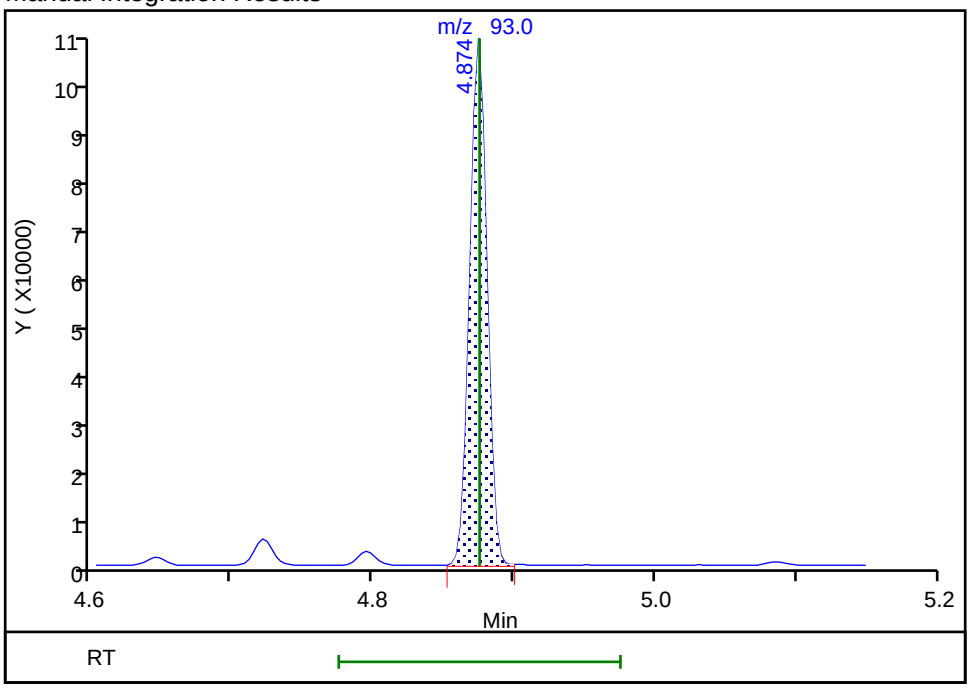
Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 92784
Amount: 1.934071
Amount Units: ug/ml



Reviewer: G4KC, 18-Apr-2024 07:18:07 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84786.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Apr-2024 15:28:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-007
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:35 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 17-Apr-2024 15:57:51

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	1.381	1.375	0.006	92	16409	1.00	1.03	
2 N-Nitrosodimethylamine	74	1.582	1.573	0.009	89	23061	1.00	0.9246	
3 Pyridine	79	1.614	1.598	0.016	95	71056	2.00	1.95	
$ 4 2-Fluorophenol	112	2.626	2.623	0.003	95	37169	1.00	0.9143	
5 Benzaldehyde	77	3.418	3.418	0.000	95	31674	1.00	1.00	
$ 6 Phenol-d5	99	3.530	3.530	0.000	98	45948	1.00	0.9448	
8 Aniline	93	3.533	3.533	0.000	94	51175	1.00	0.9694	
7 Phenol	94	3.542	3.543	-0.001	99	49688	1.00	0.9396	
9 Bis(2-chloroethyl)ether	93	3.597	3.600	-0.003	98	37775	1.00	0.9884	
10 Benzonitrile	103	3.606	3.607	-0.001	98	78256	NC	NC	
11 2-Chlorophenol	128	3.651	3.651	0.000	97	39719	1.00	0.9445	
12 n-Decane	43	3.699	3.702	-0.003	87	30923	1.00	0.9723	
13 1,3-Dichlorobenzene	146	3.788	3.789	-0.001	95	46768	1.00	0.9659	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	95	256140	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.862	3.865	-0.003	95	48217	1.00	0.9759	
17 Benzyl alcohol	108	3.999	4.003	-0.004	94	22677	1.00	0.8532	
18 1,2-Dichlorobenzene	146	4.009	4.012	-0.003	96	46131	1.00	0.9602	
21 2,2'-oxybis[1-chloropropane]	45	4.124	4.127	-0.003	93	42589	1.00	1.01	
20 2-Methylphenol	108	4.130	4.131	-0.001	90	34670	1.00	0.9330	
22 N-Methylaniline	106	4.242	4.246	-0.004	94	60683	1.00	1.02	
23 Acetophenone	105	4.248	4.252	-0.004	94	56885	1.00	0.9284	
24 N-Nitrosodi-n-propylamine	70	4.255	4.258	-0.003	89	25360	1.00	0.9630	
26 4-Methylphenol	108	4.287	4.287	0.000	96	37420	1.00	0.9433	
25 3 & 4 Methylphenol	108	4.287	4.287	0.000	62	37420	1.00	0.9406	
27 Hexachloroethane	117	4.334	4.335	-0.001	91	16611	1.00	0.9705	
$ 28 Nitrobenzene-d5	82	4.392	4.396	-0.004	85	42300	1.00	0.9469	
29 Nitrobenzene	123	4.411	4.415	-0.004	97	21914	1.00	1.02	
30 n,n'-Dimethylaniline	120	4.414	4.418	-0.004	97	66022	1.00	0.9853	
31 Isophorone	82	4.644	4.648	-0.004	99	69460	1.00	0.9374	
32 2-Nitrophenol	139	4.721	4.722	-0.001	94	21498	1.00	0.8907	
33 2,4-Dimethylphenol	122	4.794	4.795	-0.001	91	29610	1.00	0.9111	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.874	4.875	-0.001	98	46958	1.00	0.9363	
35 Benzoic acid	122	4.865	4.914	-0.049	87	13107	1.00	1.04	
36 2,4-Dichlorophenol	162	4.970	4.971	-0.001	96	32924	1.00	0.8776	
37 1,2,4-Trichlorobenzene	180	5.034	5.035	-0.001	94	40159	1.00	0.9726	
* 38 Naphthalene-d8	136	5.082	5.083	-0.001	99	1050003	8.00	8.00	
39 Naphthalene	128	5.101	5.102	-0.001	99	132435	1.00	0.9728	
40 4-Chloroaniline	127	5.178	5.179	-0.001	97	45338	1.00	1.02	
41 2,6-Dichlorophenol	162	5.178	5.179	-0.001	96	33783	1.00	0.8835	
42 Hexachlorobutadiene	225	5.232	5.233	-0.001	95	23479	1.00	0.9784	
44 Caprolactam	113	5.478	5.498	-0.020	93	7585	1.00	0.8221	
45 4-Chloro-3-methylphenol	107	5.673	5.674	-0.001	97	31160	1.00	0.8899	
46 2-Methylnaphthalene	142	5.772	5.770	0.002	84	90281	1.00	0.9727	
47 1-Methylnaphthalene	142	5.861	5.863	-0.002	92	83101	1.00	0.9620	
48 Hexachlorocyclopentadiene	237	5.925	5.927	-0.002	97	24089	1.00	0.8558	
49 1,2,4,5-Tetrachlorobenzene	216	5.931	5.933	-0.002	97	41753	1.00	0.9366	
50 2-tertbutyl-4-methylphenol	149	5.998	6.000	-0.002	91	48364	1.00	0.9156	
51 2,4,6-Trichlorophenol	196	6.056	6.055	0.001	90	24659	1.00	0.9023	
52 2,4,5-Trichlorophenol	196	6.097	6.096	0.001	98	26749	1.00	0.8851	
$ 53 2-Fluorobiphenyl	172	6.129	6.132	-0.003	97	106269	1.00	0.9565	
54 1,1'-Biphenyl	154	6.219	6.221	-0.002	96	110917	1.00	0.9360	
55 2-Chloronaphthalene	162	6.229	6.231	-0.003	99	85197	1.00	0.9353	
56 Phenyl ether	170	6.324	6.327	-0.003	85	61284	1.00	0.9493	
57 2-Nitroaniline	65	6.344	6.346	-0.002	92	19066	1.00	0.8623	
58 1,3-Dimethylnaphthalene	156	6.443	6.445	-0.002	93	69407	1.00	0.9547	
60 Coumarin	146	6.529	6.534	-0.005	67	30924	1.00	0.9428	
59 Dimethyl phthalate	163	6.529	6.534	-0.005	99	93253	1.00	0.9462	
61 2,6-Dinitrotoluene	165	6.580	6.582	-0.002	96	20280	1.00	0.9775	
62 Acenaphthylene	152	6.618	6.621	-0.003	97	128447	1.00	0.9314	
63 3-Nitroaniline	138	6.736	6.739	-0.003	93	19438	1.00	0.8862	a
* 64 Acenaphthene-d10	164	6.756	6.755	0.001	95	604480	8.00	8.00	
65 Acenaphthene	154	6.784	6.787	-0.003	95	81309	1.00	0.9692	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.804	6.803	0.001	97	61629	1.00	0.8574	
67 2,4-Dinitrophenol	184	6.836	6.838	-0.002	96	16641	2.00	2.09	
68 4-Nitrophenol	65	6.944	6.944	0.000	82	25872	2.00	1.64	
70 Dibenzofuran	168	6.951	6.950	0.001	95	124843	1.00	0.9481	
69 2,4-Dinitrotoluene	165	6.957	6.960	-0.003	94	25585	1.00	0.9234	
71 2,3,4,6-Tetrachlorophenol	232	7.078	7.081	-0.003	94	21314	1.00	0.8689	
72 Diethyl phthalate	149	7.200	7.206	-0.006	98	114259	1.00	1.17	
73 Fluorene	166	7.270	7.273	-0.003	94	95671	1.00	0.9570	
74 4-Chlorophenyl phenyl ether	204	7.286	7.286	0.000	90	46013	1.00	0.9563	
75 4-Nitroaniline	138	7.308	7.318	-0.010	90	16881	1.00	0.8216	
76 4,6-Dinitro-2-methylphenol	198	7.337	7.344	-0.007	88	24966	2.00	1.42	
77 N-Nitrosodiphenylamine	169	7.401	7.405	-0.004	97	65132	1.00	0.8979	
131 Azobenzene	77	7.433	7.437	-0.004	0	88246	1.00	0.9152	
78 1,2-Diphenylhydrazine	77	7.433	7.437	-0.004	99	88246	1.00	0.9153	
$ 79 2,4,6-Tribromophenol	330	7.500	7.504	-0.004	92	18826	1.00	0.9181	
80 4-Bromophenyl phenyl ether	248	7.743	7.747	-0.004	93	27757	1.00	0.9279	
82 Hexachlorobenzene	284	7.788	7.788	0.000	96	35600	1.00	0.9612	
83 Atrazine	200	7.925	7.926	-0.001	94	22347	1.00	0.9470	
84 Pentachlorophenol	266	7.986	7.990	-0.004	94	32734	2.00	2.11	
85 Pentachloronitrobenzene	237	7.992	7.996	-0.004	86	11081	1.00	0.8389	
87 n-Octadecane	57	8.107	8.105	0.002	90	44568	1.00	0.8466	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.149	8.150	-0.001	98	1128282	8.00	8.00	
89 Phenanthrene	178	8.171	8.172	-0.001	98	137207	1.00	0.9350	
90 Anthracene	178	8.219	8.220	-0.001	98	137429	1.00	0.9306	
91 Carbazole	167	8.385	8.390	-0.005	96	115301	1.00	0.9048	
92 Di-n-butyl phthalate	149	8.749	8.751	-0.002	99	114892	1.00	0.7997	
93 Fluoranthene	202	9.289	9.291	-0.002	98	130422	1.00	0.9281	
94 Benzidine	184	9.442	9.444	-0.002	99	31008	1.00	0.7235	
95 Pyrene	202	9.496	9.499	-0.002	97	136592	1.00	0.9694	
96 Bisphenol-A	213	9.596	9.594	0.002	99	33519	1.00	0.8112	
$ 97 Terphenyl-d14	244	9.675	9.675	0.000	97	109487	1.00	0.9566	
98 Butyl benzyl phthalate	149	10.164	10.164	0.000	97	37777	1.00	0.7654	
100 Carbamazepine	193	10.238	10.240	-0.002	91	17066	1.00	1.27	
101 3,3'-Dichlorobenzidine	252	10.666	10.669	-0.003	70	32251	1.00	0.8776	
102 Benzo[a]anthracene	228	10.666	10.669	-0.003	99	110787	1.00	0.9347	
* 103 Chrysene-d12	240	10.675	10.679	-0.003	99	739686	8.00	8.00	
104 Chrysene	228	10.701	10.704	-0.003	98	112363	1.00	0.99	
105 Bis(2-ethylhexyl) phthalate	149	10.778	10.778	0.000	86	45118	1.00	0.8498	
106 Di-n-octyl phthalate	149	11.522	11.523	-0.001	96	62573	1.00	1.05	
107 Benzo[b]fluoranthene	252	11.877	11.881	-0.004	98	93906	1.00	0.9424	
108 Benzo[k]fluoranthene	252	11.909	11.913	-0.004	98	97214	1.00	0.9324	
109 Benzo[a]pyrene	252	12.273	12.277	-0.004	96	80455	1.00	0.9105	
* 110 Perylene-d12	264	12.350	12.348	0.002	99	726905	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.734	13.739	-0.005	99	93096	1.00	0.9187	
112 Dibenz(a,h)anthracene	278	13.779	13.783	-0.004	97	96438	1.00	0.9328	
113 Benzo[g,h,i]perylene	276	14.070	14.078	-0.008	98	94188	1.00	0.9513	
S 115 Total Cresols	1				0			1.87	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL4_LVI_00008 Amount Added: 1.00 Units: mL

Report Date: 18-Apr-2024 07:28:37 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84786.D

Injection Date: 17-Apr-2024 15:28:30 Instrument ID: CBNAMS18 Operator ID:

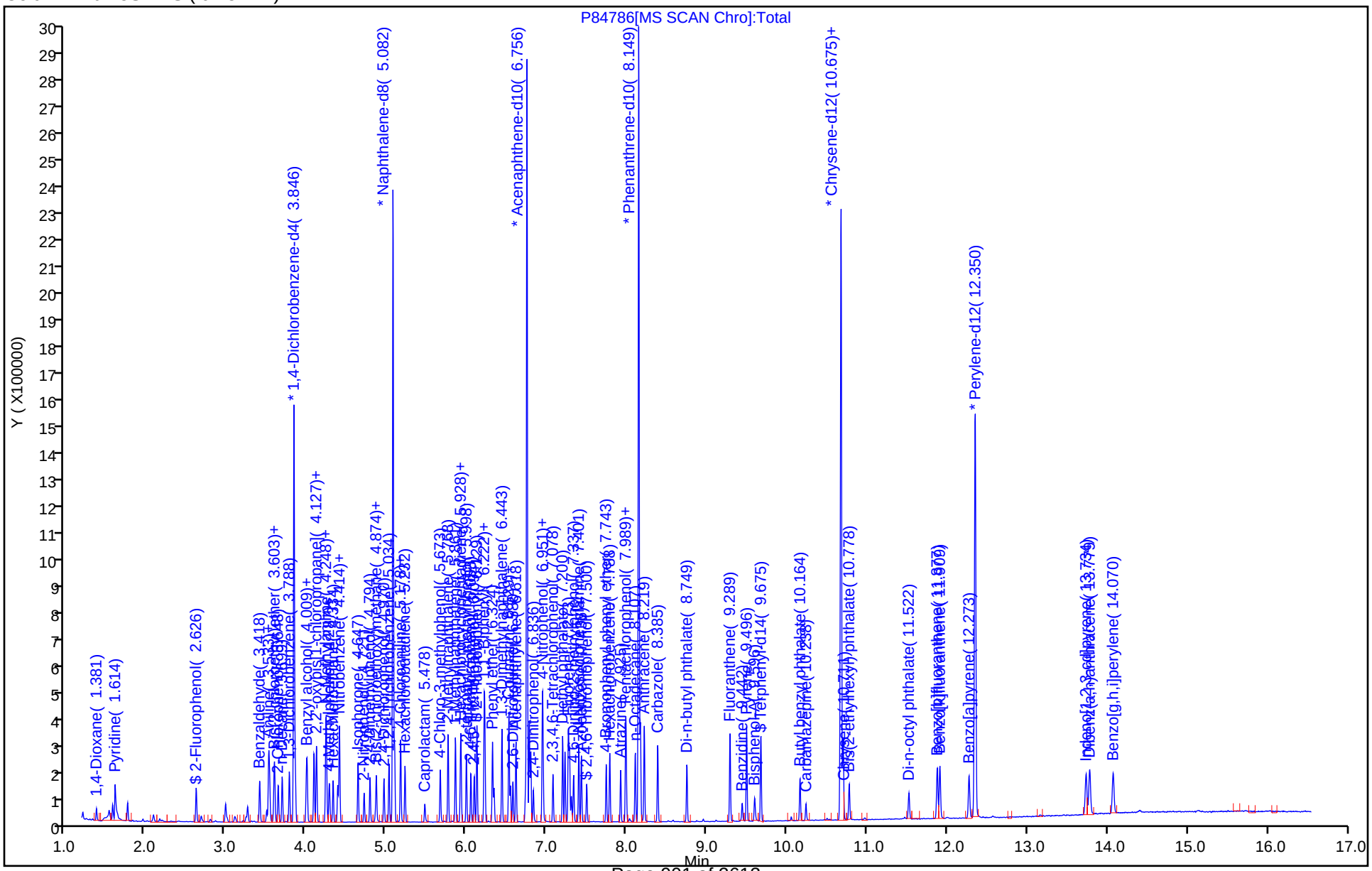
Lims ID: STD1 Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

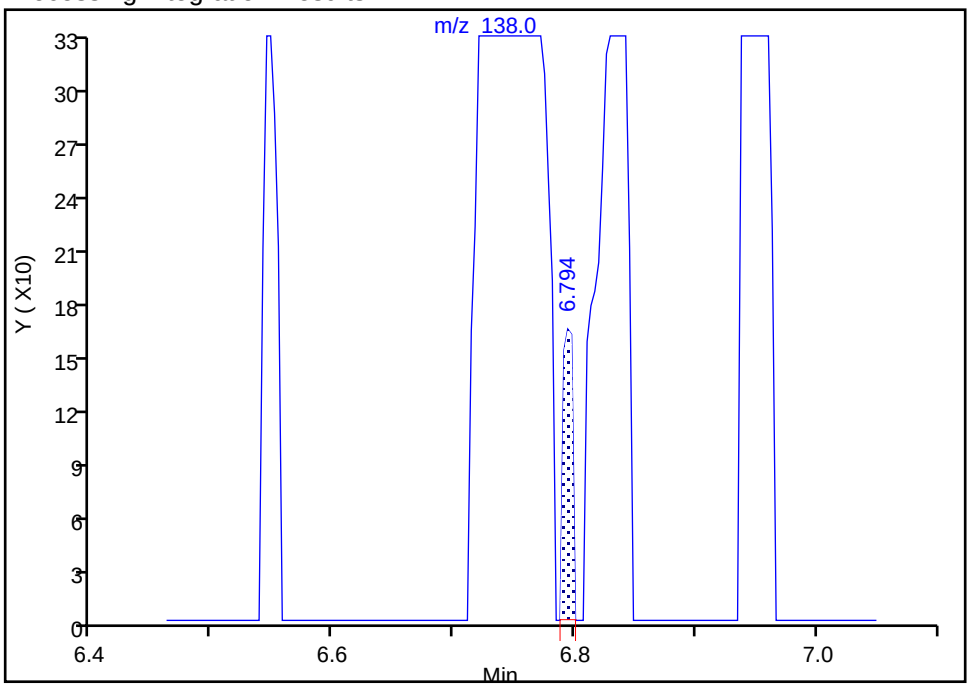
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Injection Date: 17-Apr-2024 15:28:30 Instrument ID: CBNAMS18
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

63 3-Nitroaniline, CAS: 99-09-2

Signal: 1

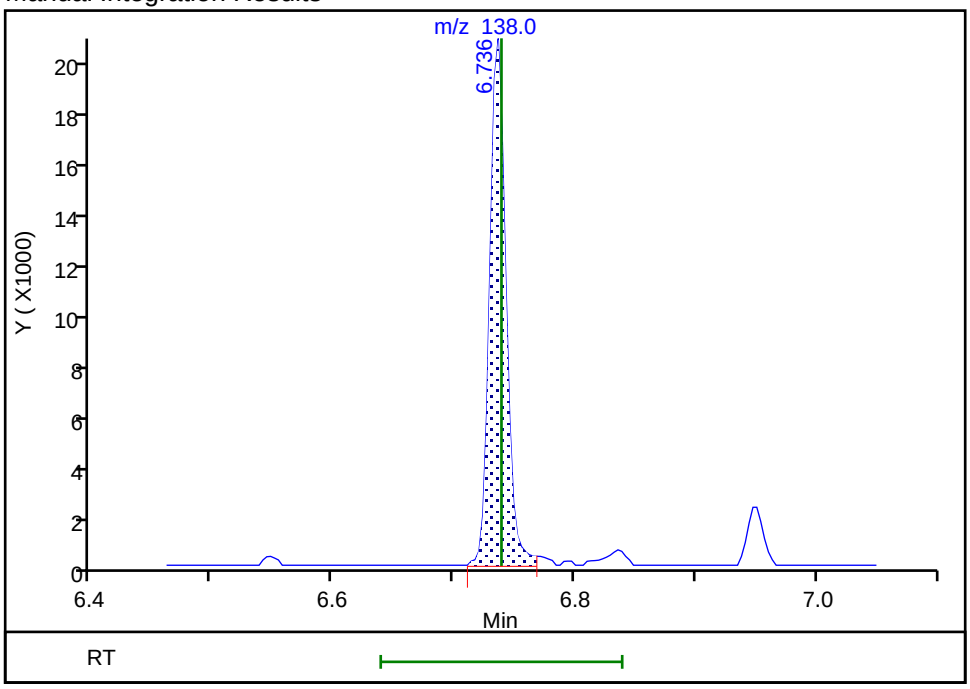
Processing Integration Results

RT: 6.79
Area: 91
Amount: 0.551305
Amount Units: ug/ml



Manual Integration Results

RT: 6.74
Area: 19438
Amount: 0.886172
Amount Units: ug/ml



Reviewer: G4KC, 18-Apr-2024 07:19:24 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84788.D
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Apr-2024 16:11:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-008
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:39 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 07:20:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.418	3.418	0.000	94	12900	0.4000	0.3872	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	95	269078	8.00	8.00	
* 38 Naphthalene-d8	136	5.081	5.083	-0.002	99	1074877	8.00	8.00	
44 Caprolactam	113	5.477	5.498	-0.021	94	2869	0.4000	0.3973	
* 64 Acenaphthene-d10	164	6.755	6.755	0.000	96	612873	8.00	8.00	
83 Atrazine	200	7.924	7.926	-0.002	94	7600	0.4000	0.3193	
* 88 Phenanthrene-d10	188	8.151	8.150	0.001	98	1138073	8.00	8.00	
* 103 Chrysene-d12	240	10.673	10.679	-0.005	99	693524	8.00	8.00	
* 110 Perylene-d12	264	12.348	12.348	0.000	99	695818	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SV_BNAL3_LVI_00008 Amount Added: 1.00 Units: mL

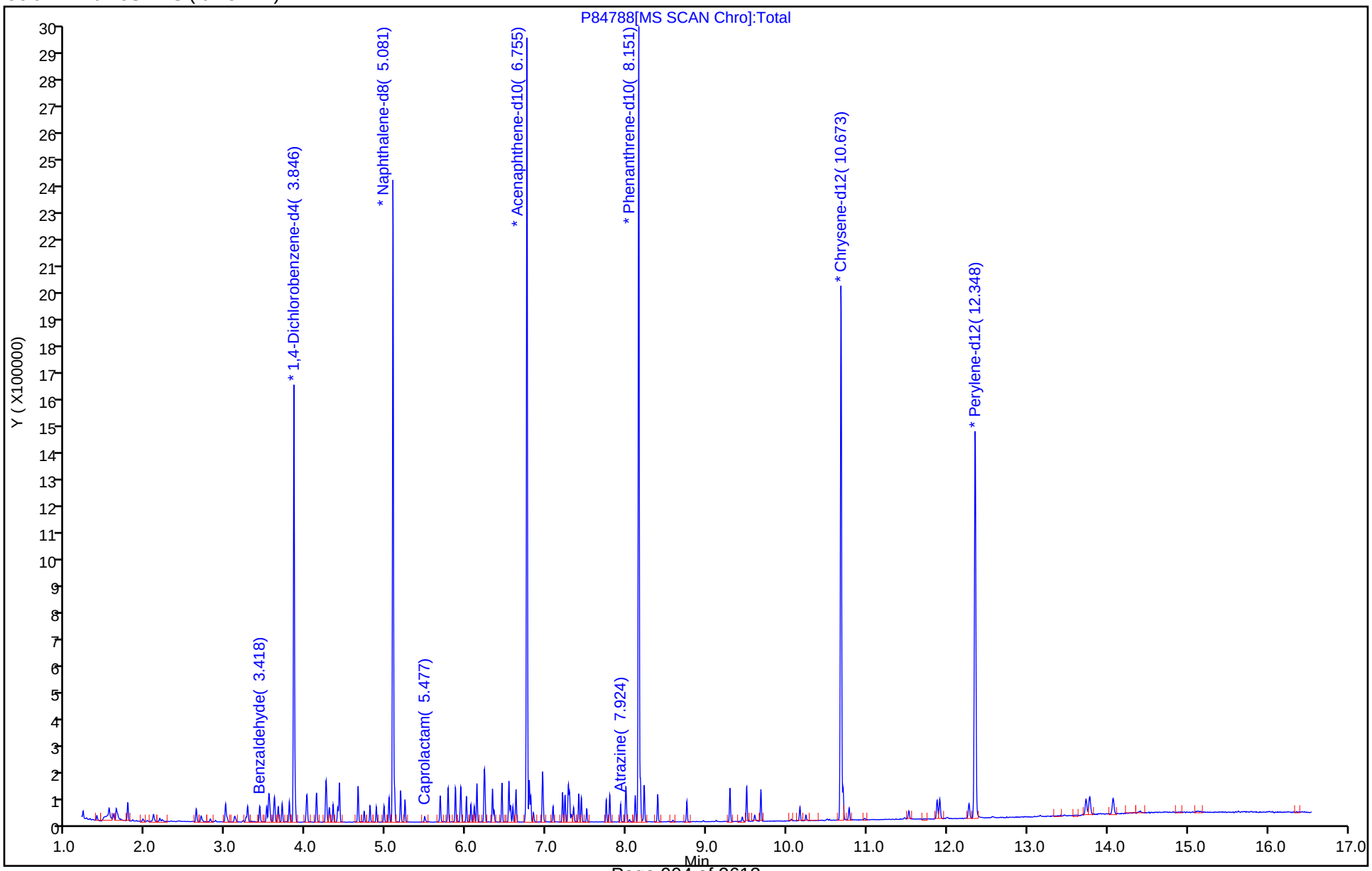
Report Date: 18-Apr-2024 07:28:40 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84788.D

Injection Date:	17-Apr-2024 16:11:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD04			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 18-Apr-2024 07:28:43 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84790.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Apr-2024 16:53:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-009
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:41 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 07:20:36

	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	1.388	1.375	0.013	93	2931	0.2000	0.1864	
	3 Pyridine	79	1.643	1.598	0.045	95	13145	0.4000	0.3662	
$	4 2-Fluorophenol	112	2.629	2.623	0.006	94	6452	0.2000	0.1609	
	5 Benzaldehyde	77	3.421	3.418	0.003	96	6182	0.2000	0.1976	
$	6 Phenol-d5	99	3.533	3.530	0.003	98	7666	0.2000	0.1598	
	9 Bis(2-chloroethyl)ether	93	3.597	3.600	-0.003	98	7584	0.2000	0.2011	
*	14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	95	252726	8.00	8.00	
	22 N-Methylaniline	106	4.245	4.246	-0.001	94	9572	0.2000	0.1627	
	24 N-Nitrosodi-n-propylamine	70	4.254	4.258	-0.004	87	4586	0.2000	0.1765	
	27 Hexachloroethane	117	4.334	4.335	-0.001	90	3325	0.2000	0.1969	
$	28 Nitrobenzene-d5	82	4.392	4.396	-0.004	87	7811	0.2000	0.1815	
	29 Nitrobenzene	123	4.411	4.415	-0.004	94	3459	0.2000	0.1635	
	30 n,n'-Dimethylaniline	120	4.414	4.418	-0.004	92	11842	0.2000	0.1791	
	31 Isophorone	82	4.647	4.648	-0.001	99	12222	0.2000	0.1713	
	37 1,2,4-Trichlorobenzene	180	5.033	5.035	-0.002	95	7619	0.2000	0.1916	
*	38 Naphthalene-d8	136	5.081	5.083	-0.002	99	1011232	8.00	8.00	
	39 Naphthalene	128	5.100	5.102	-0.002	98	25472	0.2000	0.1943	
	40 4-Chloroaniline	127	5.177	5.179	-0.002	91	7342	0.2000	0.1708	
	42 Hexachlorobutadiene	225	5.231	5.233	-0.002	94	4503	0.2000	0.1948	
	44 Caprolactam	113	5.480	5.498	-0.018	83	1089	0.2000	0.2488	
	46 2-Methylnaphthalene	142	5.771	5.770	0.001	84	16624	0.2000	0.1860	
	47 1-Methylnaphthalene	142	5.860	5.863	-0.003	92	16770	0.2000	0.2016	
	50 2-tertbutyl-4-methylphenol	149	5.997	6.000	-0.003	90	8012	0.2000	0.1575	
	51 2,4,6-Trichlorophenol	196	6.055	6.055	0.000	90	4057	0.2000	0.1535	
$	53 2-Fluorobiphenyl	172	6.132	6.132	0.000	97	19352	0.2000	0.1801	
	61 2,6-Dinitrotoluene	165	6.579	6.582	-0.003	95	3112	0.2000	0.1551	
*	64 Acenaphthene-d10	164	6.754	6.755	-0.001	95	584589	8.00	8.00	
	69 2,4-Dinitrotoluene	165	6.959	6.960	-0.001	91	3592	0.2000	0.1341	a
	73 Fluorene	166	7.272	7.273	-0.001	94	18078	0.2000	0.1870	
$	79 2,4,6-Tribromophenol	330	7.501	7.504	-0.003	82	3060	0.2000	0.1543	
	82 Hexachlorobenzene	284	7.789	7.788	0.001	94	7113	0.2000	0.2047	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
83 Atrazine	200	7.923	7.926	-0.003	92	3104	0.2000	0.1402	
* 88 Phenanthrene-d10	188	8.150	8.150	0.000	98	1058677	8.00	8.00	
93 Fluoranthene	202	9.289	9.291	-0.002	97	23262	0.2000	0.1764	
95 Pyrene	202	9.497	9.499	-0.001	98	24138	0.2000	0.1934	
$ 97 Terphenyl-d14	244	9.673	9.675	-0.002	97	19307	0.2000	0.1905	
101 3,3'-Dichlorobenzidine	252	10.666	10.669	-0.003	63	3831	0.2000	0.2374	
102 Benzo[a]anthracene	228	10.666	10.669	-0.003	98	19714	0.2000	0.1878	
* 103 Chrysene-d12	240	10.675	10.679	-0.003	99	655028	8.00	8.00	
104 Chrysene	228	10.701	10.704	-0.003	98	19546	0.2000	0.1954	
105 Bis(2-ethylhexyl) phthalate	149	10.775	10.778	-0.003	88	6284	0.2000	0.2390	
107 Benzo[b]fluoranthene	252	11.873	11.881	-0.008	98	15476	0.2000	0.1742	
108 Benzo[k]fluoranthene	252	11.909	11.913	-0.004	99	17263	0.2000	0.1857	
109 Benzo[a]pyrene	252	12.273	12.277	-0.004	95	13009	0.2000	0.1651	
* 110 Perylene-d12	264	12.346	12.348	-0.002	99	648040	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.730	13.739	-0.009	97	17163	0.2000	0.1900	
112 Dibenz(a,h)anthracene	278	13.778	13.783	-0.005	97	17941	0.2000	0.1947	
113 Benzo[g,h,i]perylene	276	14.073	14.078	-0.005	97	17533	0.2000	0.1986	a

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL2_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 18-Apr-2024 07:28:43 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84790.D

Injection Date: 17-Apr-2024 16:53:30 Instrument ID: CBNAMS18 Operator ID:

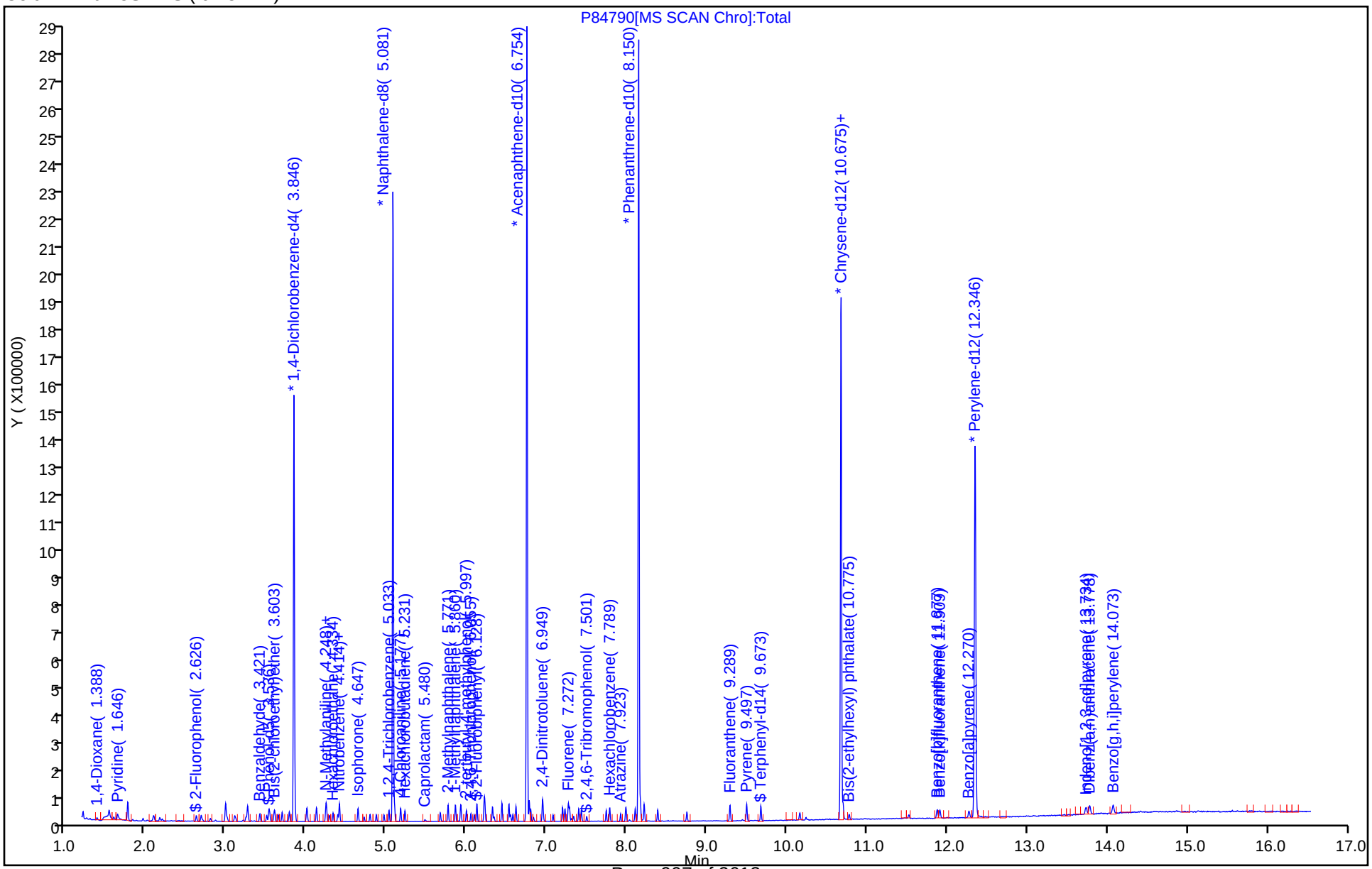
Lims ID: STD02 Worklist Smp#: 9

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

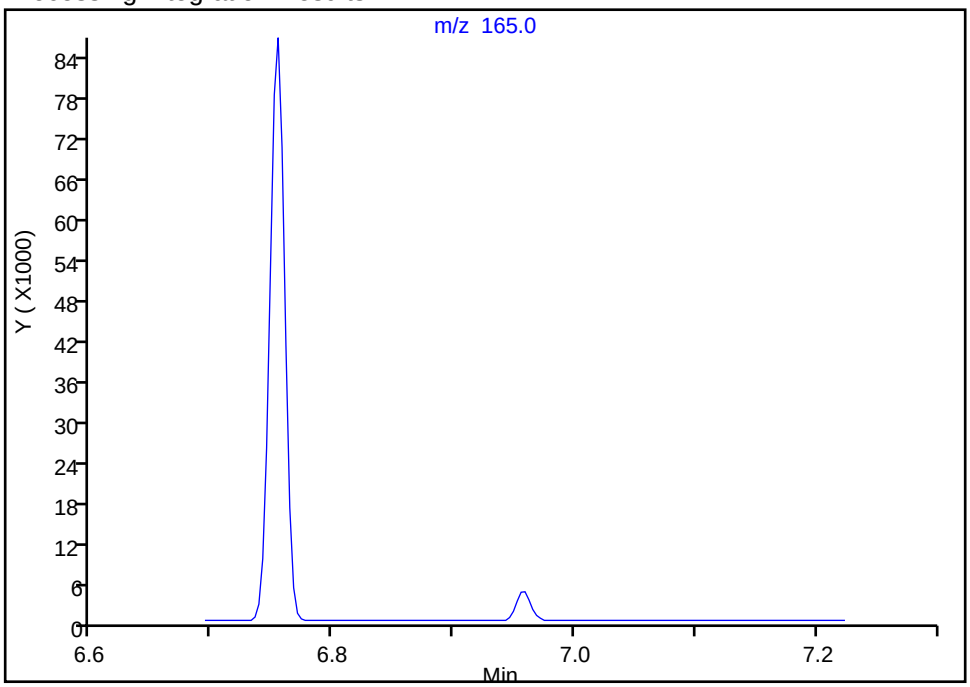
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84790.D
Injection Date: 17-Apr-2024 16:53:30 Instrument ID: CBNAMS18
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

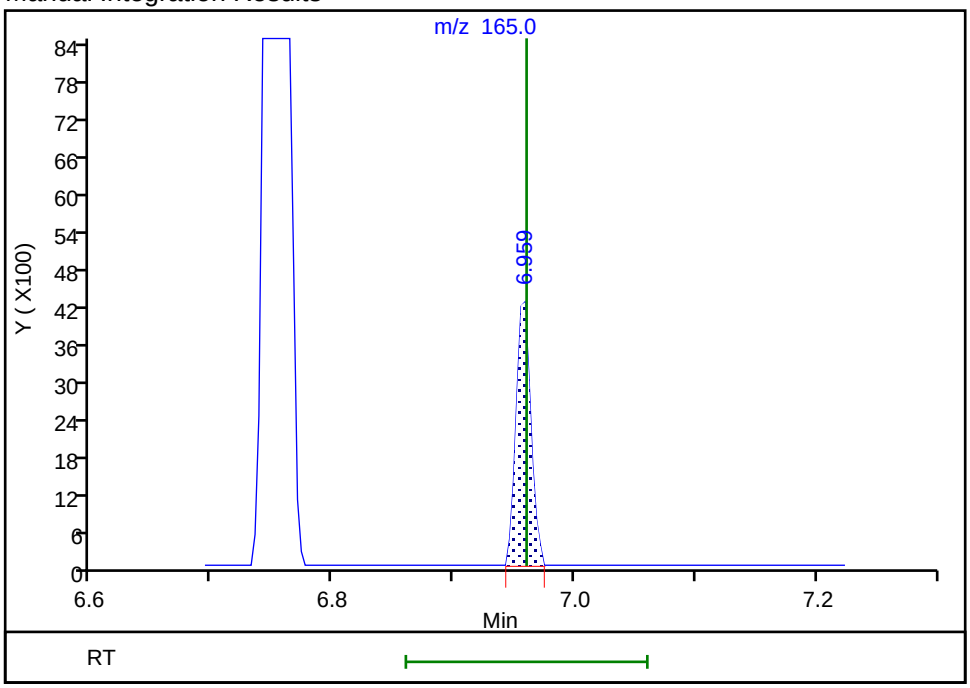
Not Detected
Expected RT: 6.96

Processing Integration Results



Manual Integration Results

RT: 6.96
Area: 3592
Amount: 0.134056
Amount Units: ug/ml



Reviewer: G4KC, 18-Apr-2024 07:20:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

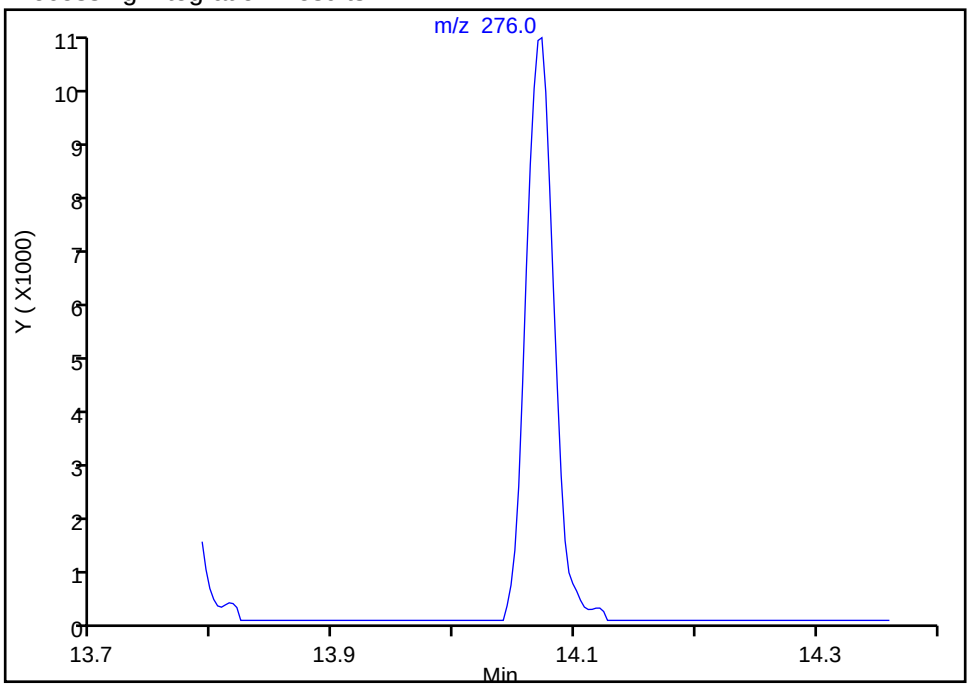
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Injection Date: 17-Apr-2024 16:53:30 Instrument ID: CBNAMS18
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

113 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

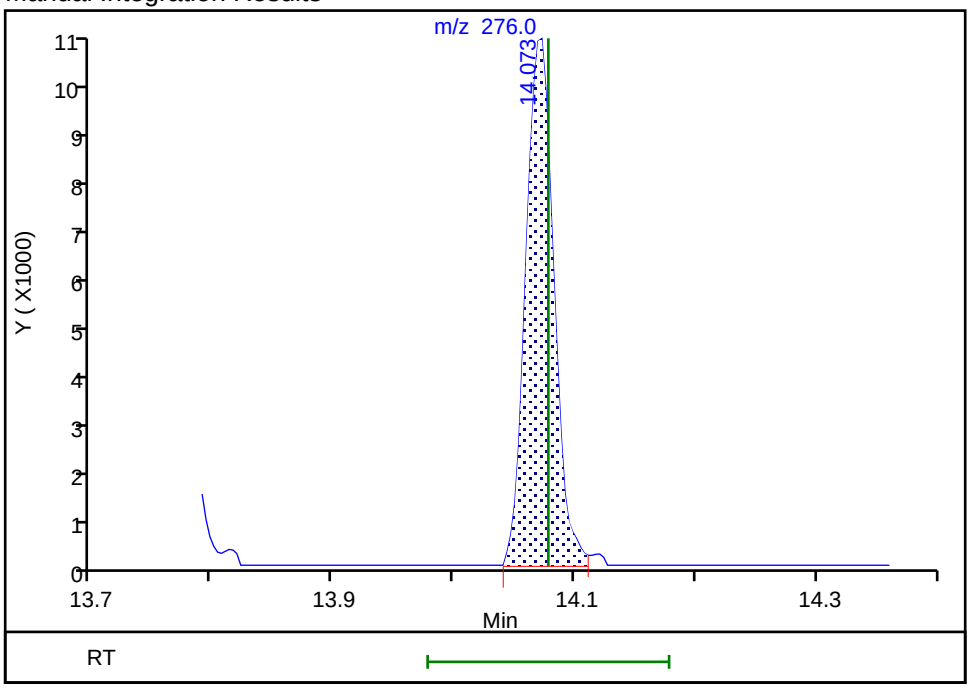
Not Detected
Expected RT: 14.08

Processing Integration Results



Manual Integration Results

RT: 14.07
Area: 17533
Amount: 0.198632
Amount Units: ug/ml



Reviewer: G4KC, 18-Apr-2024 07:20:22 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84792.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Apr-2024 17:35:30 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-010
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:45 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 06:36:13

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	1.394	1.375	0.019	92	1495	0.1000	0.0857	
3 Pyridine	79	1.671	1.598	0.073	40	6237	0.2000	0.1567	a
$ 6 Phenol-d5	99	3.533	3.530	0.003	97	3949	0.1000	0.0742	
9 Bis(2-chloroethyl)ether	93	3.600	3.600	0.000	97	3866	0.1000	0.0924	
* 14 1,4-Dichlorobenzene-d4	152	3.849	3.846	0.003	96	280278	8.00	8.00	
22 N-Methylaniline	106	4.244	4.246	-0.002	92	3899	0.1000	0.0598	
24 N-Nitrosodi-n-propylamine	70	4.257	4.258	-0.001	90	2349	0.1000	0.0815	
27 Hexachloroethane	117	4.337	4.335	0.002	85	1575	0.1000	0.0841	
$ 28 Nitrobenzene-d5	82	4.394	4.396	-0.002	85	4273	0.1000	0.0893	
29 Nitrobenzene	123	4.414	4.415	-0.001	94	1984	0.1000	0.0846	
30 n,n'-Dimethylaniline	120	4.417	4.418	-0.001	92	6506	0.1000	0.0887	
37 1,2,4-Trichlorobenzene	180	5.033	5.035	-0.002	91	3954	0.1000	0.0894	
* 38 Naphthalene-d8	136	5.081	5.083	-0.002	99	1124487	8.00	8.00	
39 Naphthalene	128	5.103	5.102	0.001	96	13700	0.1000	0.0940	
40 4-Chloroaniline	127	5.177	5.179	-0.002	90	3569	0.1000	0.0747	
42 Hexachlorobutadiene	225	5.234	5.233	0.001	90	2448	0.1000	0.0953	
$ 53 2-Fluorobiphenyl	172	6.131	6.132	-0.001	97	10462	0.1000	0.0889	
* 64 Acenaphthene-d10	164	6.754	6.755	-0.001	95	640191	8.00	8.00	
82 Hexachlorobenzene	284	7.788	7.788	0.000	95	3443	0.1000	0.0901	
* 88 Phenanthrene-d10	188	8.149	8.150	-0.001	98	1163587	8.00	8.00	
$ 97 Terphenyl-d14	244	9.675	9.675	0.000	96	8928	0.1000	0.0821	
102 Benzo[a]anthracene	228	10.665	10.669	-0.004	96	11223	0.1000	0.0997	
* 103 Chrysene-d12	240	10.674	10.679	-0.004	99	702507	8.00	8.00	
107 Benzo[b]fluoranthene	252	11.872	11.881	-0.009	97	7992	0.1000	0.0845	
108 Benzo[k]fluoranthene	252	11.908	11.913	-0.005	96	7510	0.1000	0.0759	
109 Benzo[a]pyrene	252	12.272	12.277	-0.005	94	6215	0.1000	0.0741	
* 110 Perylene-d12	264	12.348	12.348	0.000	99	689869	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.732	13.739	-0.007	98	8431	0.1000	0.0877	
112 Dibenz(a,h)anthracene	278	13.780	13.783	-0.003	94	8468	0.1000	0.0863	
113 Benzo[g,h,i]perylene	276	14.071	14.078	-0.007	98	8102	0.1000	0.0862	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL1_LVI_00006 Amount Added: 1.00 Units: mL

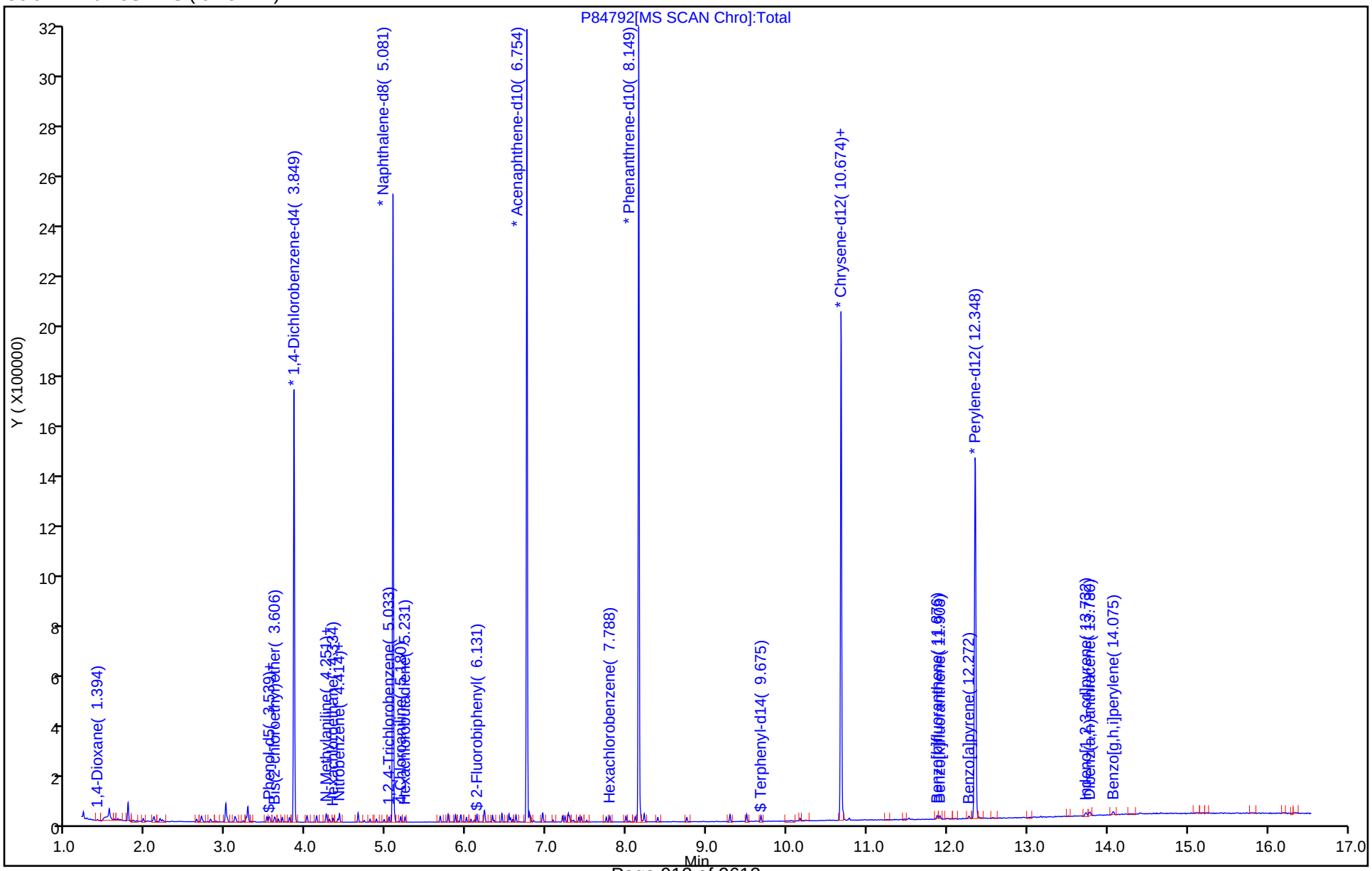
Report Date: 18-Apr-2024 07:28:46 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84792.D

Injection Date:	17-Apr-2024 17:35:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

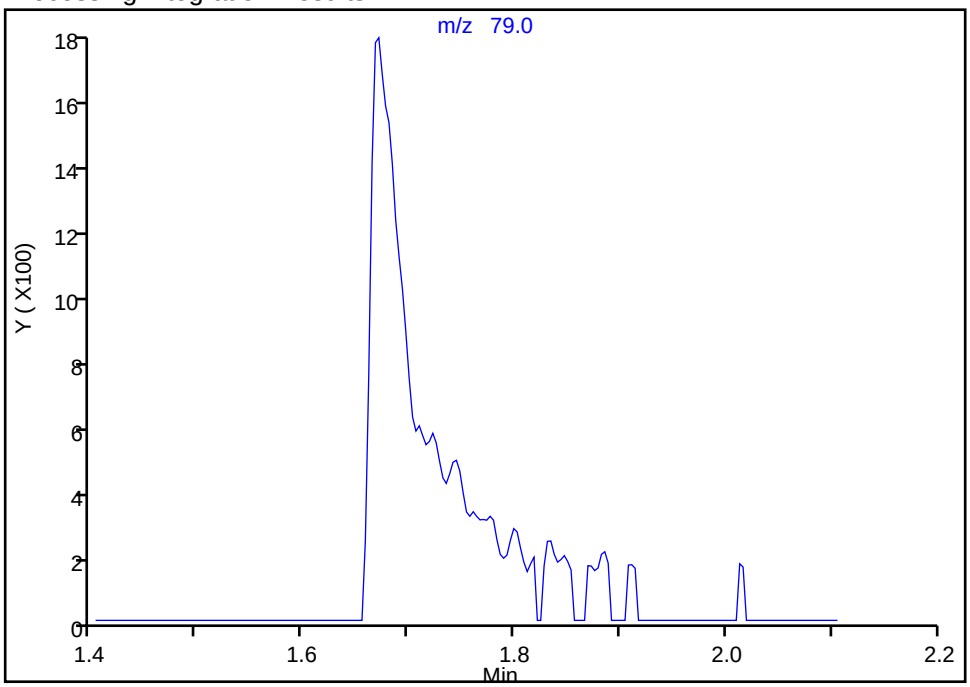
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84792.D
Injection Date: 17-Apr-2024 17:35:30 Instrument ID: CBNAMS18
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

3 Pyridine, CAS: 110-86-1

Signal: 1

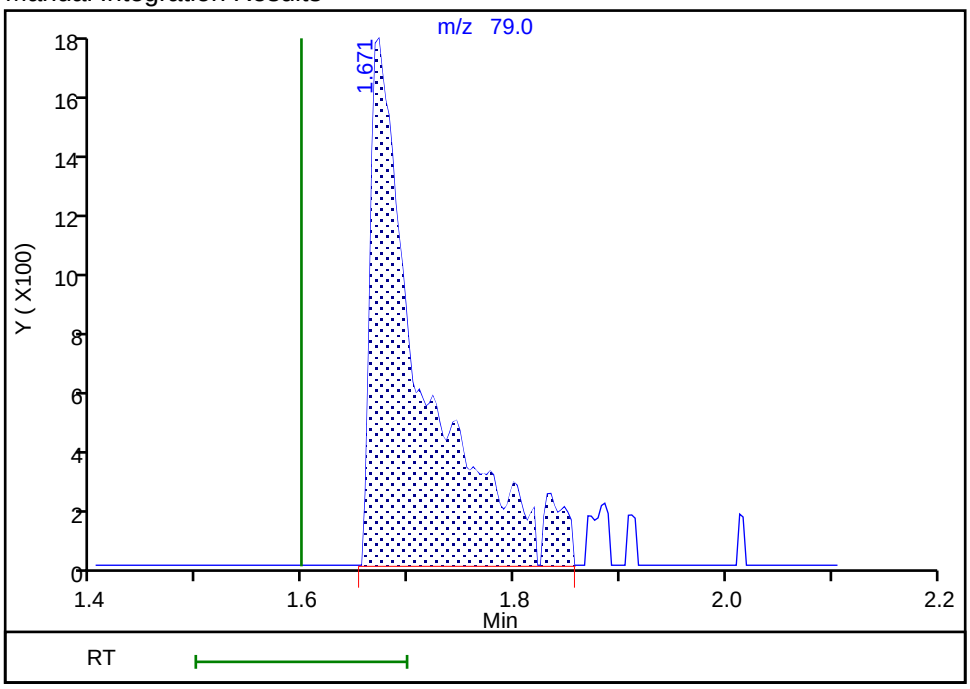
Not Detected
Expected RT: 1.60

Processing Integration Results



Manual Integration Results

RT: 1.67
Area: 6237
Amount: 0.156659
Amount Units: ug/ml



Reviewer: G4KC, 18-Apr-2024 06:36:08 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 17-Apr-2024 18:18:30 ALS Bottle#: 13 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-011
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:28:48 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 06:35:46

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	1.375	1.375	0.000	92	159430	10.0	10.2	
2 N-Nitrosodimethylamine	74	1.573	1.573	0.000	91	239875	10.0	9.77	
3 Pyridine	79	1.598	1.598	0.000	96	718335	20.0	20.1	
$ 4 2-Fluorophenol	112	2.623	2.623	0.000	96	418541	10.0	10.5	
5 Benzaldehyde	77	3.418	3.418	0.000	94	130778	4.00	4.19	
$ 6 Phenol-d5	99	3.530	3.530	0.000	98	526712	10.0	11.0	
8 Aniline	93	3.533	3.533	0.000	98	545885	10.0	10.5	
7 Phenol	94	3.543	3.543	0.000	98	530873	10.0	10.2	
9 Bis(2-chloroethyl)ether	93	3.600	3.600	0.000	98	377375	10.0	10.0	
10 Benzonitrile	103	3.607	3.607	0.000	97	805541	NC	NC	
11 2-Chlorophenol	128	3.651	3.651	0.000	97	419903	10.0	10.1	
12 n-Decane	43	3.702	3.702	0.000	87	312090	10.0	9.97	
13 1,3-Dichlorobenzene	146	3.789	3.789	0.000	99	485779	10.0	10.2	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	95	252141	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.865	3.865	0.000	96	496302	10.0	10.2	
17 Benzyl alcohol	108	4.003	4.003	0.000	95	264728	10.0	10.1	
18 1,2-Dichlorobenzene	146	4.012	4.012	0.000	97	476871	10.0	10.1	
21 2,2'-oxybis[1-chloropropane]	45	4.127	4.127	0.000	92	408109	10.0	9.79	
20 2-Methylphenol	108	4.131	4.131	0.000	91	375601	10.0	10.3	
22 N-Methylaniline	106	4.246	4.246	0.000	99	658398	10.0	11.2	
23 Acetophenone	105	4.252	4.252	0.000	96	608343	10.0	10.1	
24 N-Nitrosodi-n-propylamine	70	4.258	4.258	0.000	86	271453	10.0	10.5	
26 4-Methylphenol	108	4.287	4.287	0.000	97	396389	10.0	10.2	
25 3 & 4 Methylphenol	108	4.287	4.287	0.000	62	397543	10.0	10.2	
27 Hexachloroethane	117	4.335	4.335	0.000	93	177079	10.0	10.5	
$ 28 Nitrobenzene-d5	82	4.396	4.396	0.000	86	446844	10.0	10.3	
29 Nitrobenzene	123	4.415	4.415	0.000	99	224010	10.0	10.6	
30 n,n'-Dimethylaniline	120	4.418	4.418	0.000	97	697484	10.0	10.6	
31 Isophorone	82	4.648	4.648	0.000	99	739912	10.0	10.3	
32 2-Nitrophenol	139	4.722	4.722	0.000	95	236445	10.0	10.1	
33 2,4-Dimethylphenol	122	4.795	4.795	0.000	92	314974	10.0	9.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.875	4.875	0.000	97	487451	10.0	10.0	
35 Benzoic acid	122	4.914	4.914	0.000	88	208857	10.0	8.90	
36 2,4-Dichlorophenol	162	4.971	4.971	0.000	97	373474	10.0	10.2	
37 1,2,4-Trichlorobenzene	180	5.035	5.035	0.000	94	413386	10.0	10.3	
* 38 Naphthalene-d8	136	5.083	5.083	0.000	99	1020962	8.00	8.00	
39 Naphthalene	128	5.102	5.102	0.000	99	1350894	10.0	10.2	
40 4-Chloroaniline	127	5.179	5.179	0.000	98	483125	10.0	11.1	
41 2,6-Dichlorophenol	162	5.179	5.179	0.000	96	381007	10.0	10.2	
42 Hexachlorobutadiene	225	5.233	5.233	0.000	97	236821	10.0	10.1	
44 Caprolactam	113	5.498	5.498	0.000	95	40183	4.00	3.82	
45 4-Chloro-3-methylphenol	107	5.674	5.674	0.000	95	342540	10.0	10.1	
46 2-Methylnaphthalene	142	5.770	5.770	0.000	85	908412	10.0	10.1	
47 1-Methylnaphthalene	142	5.863	5.863	0.000	92	827116	10.0	9.85	
48 Hexachlorocyclopentadiene	237	5.927	5.927	0.000	97	261049	10.0	10.1	
49 1,2,4,5-Tetrachlorobenzene	216	5.933	5.933	0.000	97	415563	10.0	10.1	
50 2-tertbutyl-4-methylphenol	149	6.000	6.000	0.000	91	543130	10.0	10.6	
51 2,4,6-Trichlorophenol	196	6.055	6.055	0.000	92	273912	10.0	10.9	
52 2,4,5-Trichlorophenol	196	6.096	6.096	0.000	98	290344	10.0	10.4	
$ 53 2-Fluorobiphenyl	172	6.132	6.132	0.000	98	1087317	10.0	10.6	
54 1,1'-Biphenyl	154	6.221	6.221	0.000	96	1103661	10.0	10.1	
55 2-Chloronaphthalene	162	6.231	6.231	0.000	99	849909	10.0	10.1	
56 Phenyl ether	170	6.327	6.327	0.000	84	611722	10.0	10.3	
57 2-Nitroaniline	65	6.346	6.346	0.000	92	205081	10.0	10.1	
58 1,3-Dimethylnaphthalene	156	6.445	6.445	0.000	91	676268	10.0	10.1	
60 Coumarin	146	6.534	6.534	0.000	80	318862	10.0	10.0	
59 Dimethyl phthalate	163	6.534	6.534	0.000	99	917489	10.0	10.1	
61 2,6-Dinitrotoluene	165	6.582	6.582	0.000	96	201490	10.0	10.6	
62 Acenaphthylene	152	6.621	6.621	0.000	98	1301145	10.0	10.3	
63 3-Nitroaniline	138	6.739	6.739	0.000	97	209863	10.0	10.4	
* 64 Acenaphthene-d10	164	6.755	6.755	0.000	95	556298	8.00	8.00	
65 Acenaphthene	154	6.787	6.787	0.000	95	777630	10.0	10.1	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.803	6.803	0.000	97	678372	10.0	10.3	
67 2,4-Dinitrophenol	184	6.838	6.838	0.000	96	262008	20.0	19.2	
68 4-Nitrophenol	65	6.944	6.944	0.000	84	296477	20.0	20.4	
70 Dibenzofuran	168	6.950	6.950	0.000	97	1243125	10.0	10.3	
69 2,4-Dinitrotoluene	165	6.960	6.960	0.000	94	276140	10.0	10.8	a
71 2,3,4,6-Tetrachlorophenol	232	7.081	7.081	0.000	97	232506	10.0	10.3	
72 Diethyl phthalate	149	7.206	7.206	0.000	98	864791	10.0	9.60	
73 Fluorene	166	7.273	7.273	0.000	94	941761	10.0	10.2	
74 4-Chlorophenyl phenyl ether	204	7.286	7.286	0.000	91	445149	10.0	10.1	
75 4-Nitroaniline	138	7.318	7.318	0.000	85	194393	10.0	10.3	
76 4,6-Dinitro-2-methylphenol	198	7.344	7.344	0.000	89	328861	20.0	21.6	
77 N-Nitrosodiphenylamine	169	7.405	7.405	0.000	98	646255	10.0	10.3	
131 Azobenzene	77	7.437	7.437	0.000	0	864789	10.0	10.3	
78 1,2-Diphenylhydrazine	77	7.437	7.437	0.000	99	864754	10.0	10.3	
$ 79 2,4,6-Tribromophenol	330	7.504	7.504	0.000	92	201847	10.0	10.7	
80 4-Bromophenyl phenyl ether	248	7.747	7.747	0.000	93	264292	10.0	10.2	
82 Hexachlorobenzene	284	7.788	7.788	0.000	96	329632	10.0	10.3	
83 Atrazine	200	7.926	7.926	0.000	95	90548	4.00	4.43	
84 Pentachlorophenol	266	7.990	7.990	0.000	95	421473	20.0	19.3	
85 Pentachloronitrobenzene	237	7.996	7.996	0.000	90	118955	10.0	10.4	
87 n-Octadecane	57	8.105	8.105	0.000	89	477016	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.150	8.150	0.000	98	978226	8.00	8.00	
89 Phenanthrene	178	8.172	8.172	0.000	97	1289745	10.0	10.1	
90 Anthracene	178	8.220	8.220	0.000	98	1310255	10.0	10.2	
91 Carbazole	167	8.390	8.390	0.000	96	1129080	10.0	10.2	
92 Di-n-butyl phthalate	149	8.751	8.751	0.000	99	1302132	10.0	10.5	
93 Fluoranthene	202	9.291	9.291	0.000	98	1275245	10.0	10.5	
94 Benzidine	184	9.444	9.444	0.000	99	363144	10.0	9.77	
95 Pyrene	202	9.499	9.499	0.000	97	1316669	10.0	10.3	
96 Bisphenol-A	213	9.594	9.594	0.000	99	374014	10.0	9.94	
$ 97 Terphenyl-d14	244	9.675	9.675	0.000	97	1109025	10.0	10.6	
98 Butyl benzyl phthalate	149	10.164	10.164	0.000	96	490347	10.0	10.9	
99 2,3,7,8-TCDD	320	10.215	10.215	0.000	92	1546	0.1000	0.1000	
100 Carbamazepine	193	10.240	10.240	0.000	93	301145	10.0	8.85	
101 3,3'-Dichlorobenzidine	252	10.669	10.669	0.000	99	421050	10.0	10.1	
102 Benzo[a]anthracene	228	10.669	10.669	0.000	99	1128975	10.0	10.5	
* 103 Chrysene-d12	240	10.679	10.679	0.000	99	673821	8.00	8.00	
104 Chrysene	228	10.704	10.704	0.000	98	1067765	10.0	10.4	
105 Bis(2-ethylhexyl) phthalate	149	10.778	10.778	0.000	85	652830	10.0	10.5	
106 Di-n-octyl phthalate	149	11.523	11.523	0.000	96	993667	10.0	9.51	
107 Benzo[b]fluoranthene	252	11.881	11.881	0.000	98	993381	10.0	10.8	
108 Benzo[k]fluoranthene	252	11.913	11.913	0.000	99	1031140	10.0	10.7	
109 Benzo[a]pyrene	252	12.277	12.277	0.000	97	904256	10.0	11.1	
* 110 Perylene-d12	264	12.348	12.348	0.000	99	672195	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.739	13.739	0.000	98	954837	10.0	10.2	
112 Dibenz(a,h)anthracene	278	13.783	13.783	0.000	97	971972	10.0	10.2	
113 Benzo[g,h,i]perylene	276	14.078	14.078	0.000	98	926461	10.0	10.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00009 Amount Added: 1.00 Units: mL

Report Date: 18-Apr-2024 07:28:51 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Injection Date: 17-Apr-2024 18:18:30 Instrument ID: CBNAMS18 Operator ID:

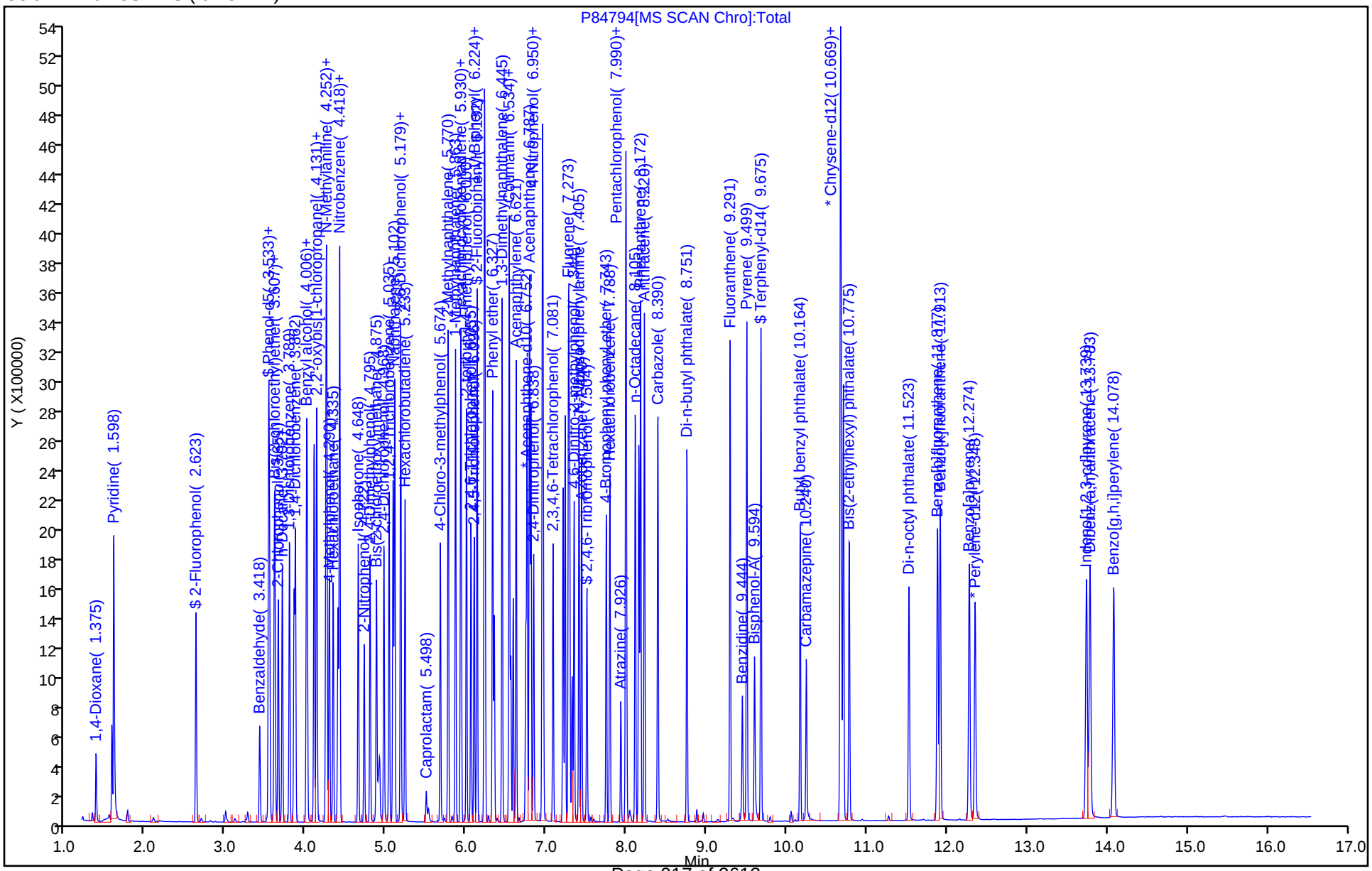
Lims ID: ICIS Worklist Smp#: 11

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

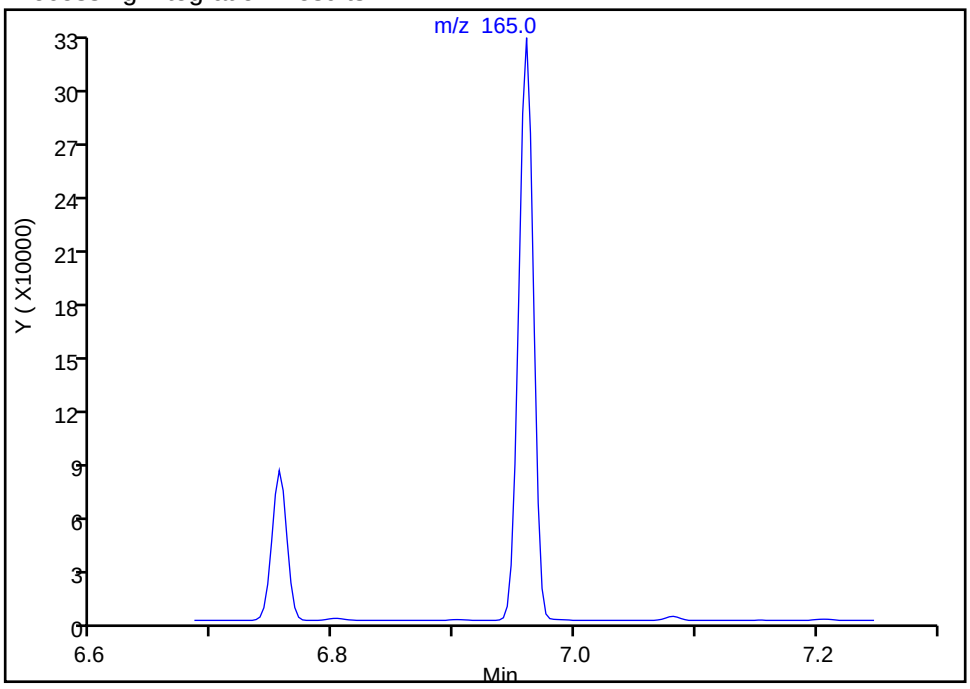
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D				
Injection Date:	17-Apr-2024 18:18:30	Instrument ID:	CBNAMS18		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

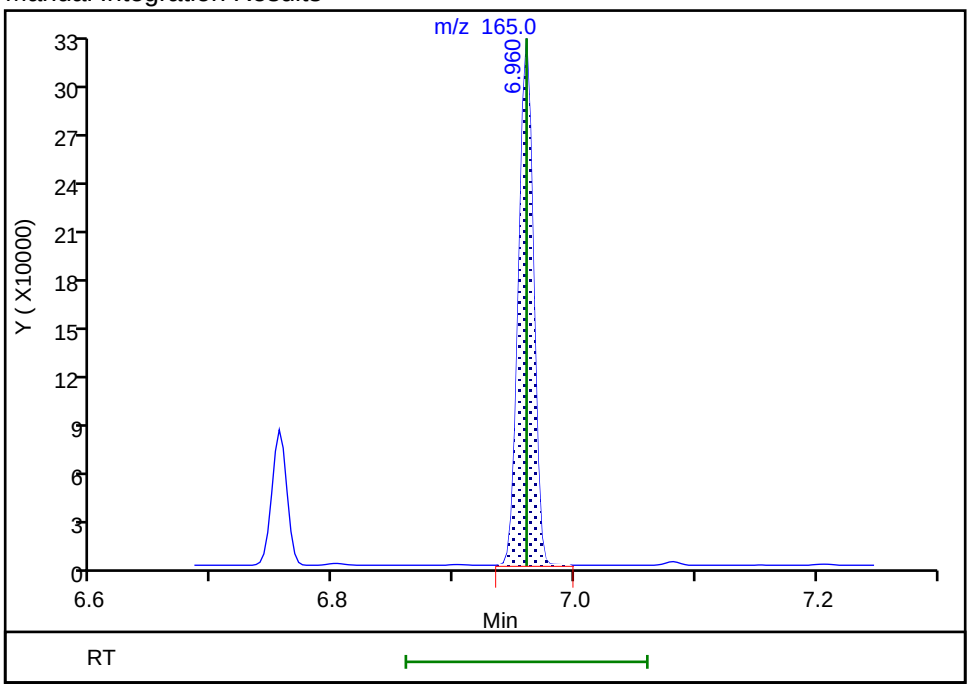
Not Detected
Expected RT: 6.96

Processing Integration Results



Manual Integration Results

RT: 6.96
Area: 276140
Amount: 10.829854
Amount Units: ug/ml



Reviewer: G4KC, 18-Apr-2024 06:35:22 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / 1,4-Dioxane

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

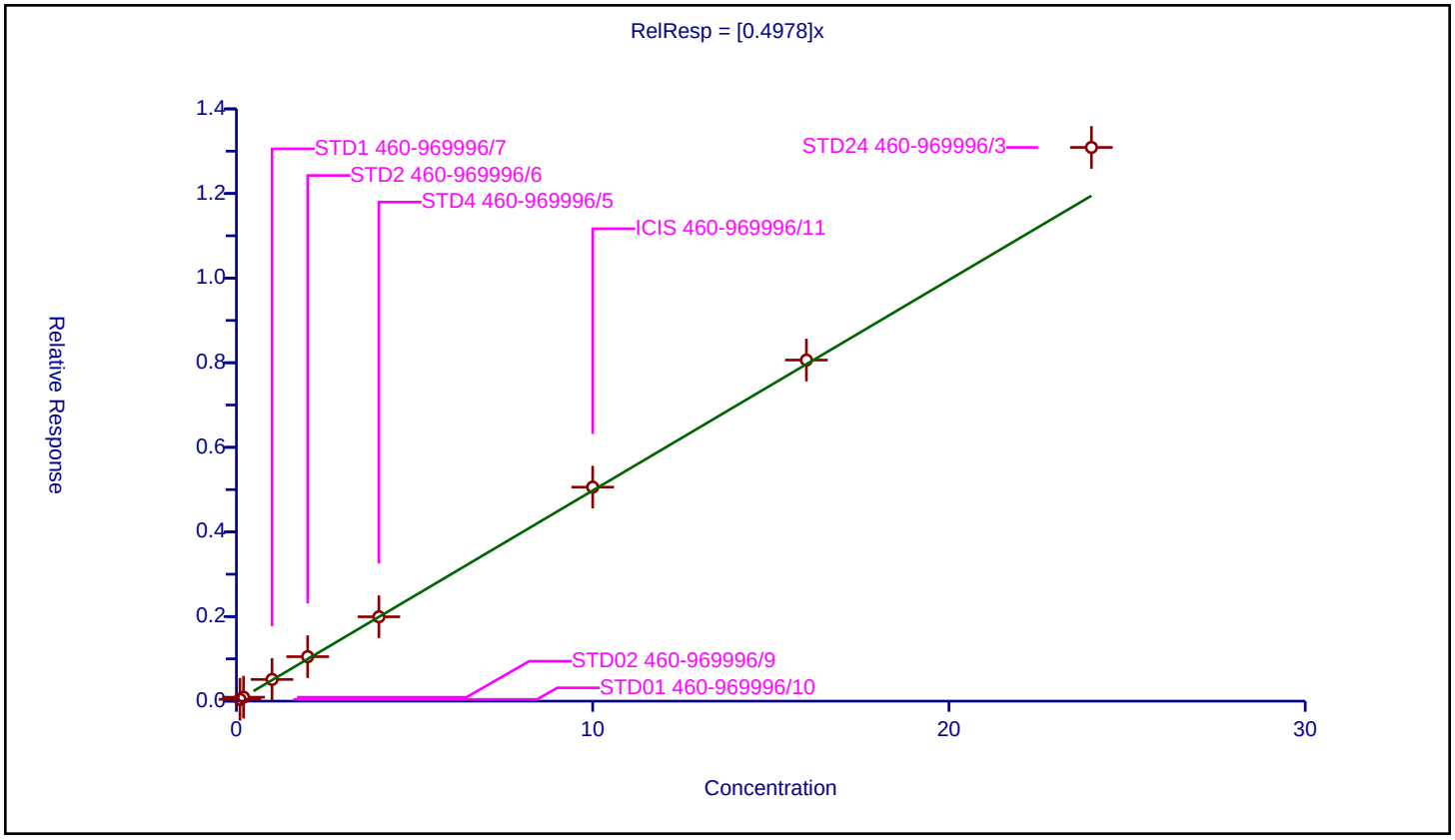
Curve Coefficients

Intercept:	0
Slope:	0.4978

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.042672	8.0	280278.0	0.426719	Y
2	STD02 460-969996/9	0.2	0.09278	8.0	252726.0	0.463902	Y
3	STD1 460-969996/7	1.0	0.512501	8.0	256140.0	0.512501	Y
4	STD2 460-969996/6	2.0	1.05133	8.0	247808.0	0.525665	Y
5	STD4 460-969996/5	4.0	1.994104	8.0	261178.0	0.498526	Y
6	ICIS 460-969996/11	10.0	5.05844	8.0	252141.0	0.505844	Y
7	STD16 460-969996/4	16.0	8.063017	8.0	269514.0	0.503939	Y
8	STD24 460-969996/3	24.0	13.089168	8.0	259431.0	0.545382	Y



Calibration / N-Nitrosodimethylamine

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

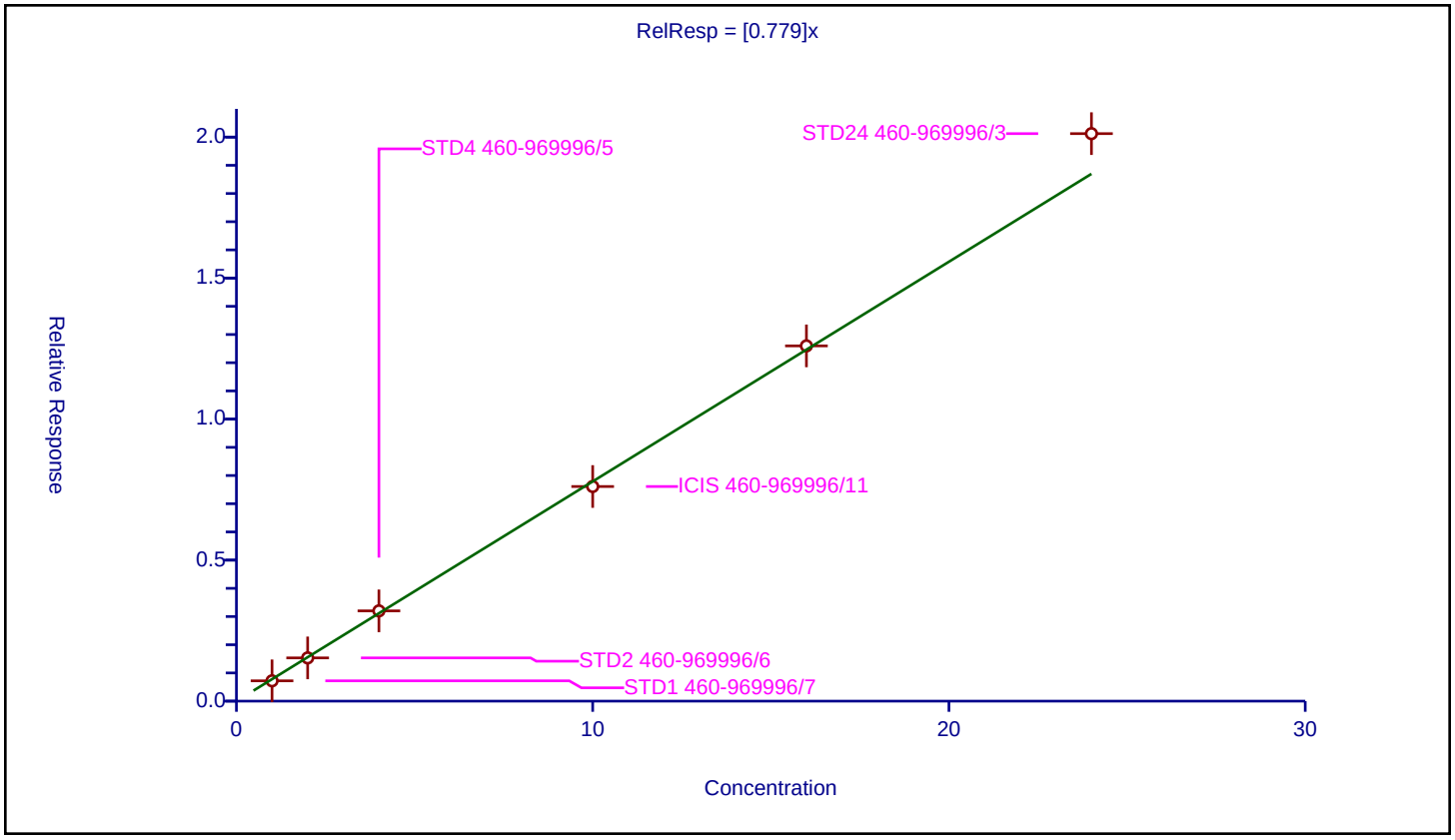
Curve Coefficients

Intercept:	0
Slope:	0.779

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.720262	8.0	256140.0	0.720262	Y
2	STD2 460-969996/6	2.0	1.533284	8.0	247808.0	0.766642	Y
3	STD4 460-969996/5	4.0	3.200943	8.0	261178.0	0.800236	Y
4	ICIS 460-969996/11	10.0	7.610821	8.0	252141.0	0.761082	Y
5	STD16 460-969996/4	16.0	12.596362	8.0	269514.0	0.787273	Y
6	STD24 460-969996/3	24.0	20.122314	8.0	259431.0	0.83843	Y



Calibration / Pyridine

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

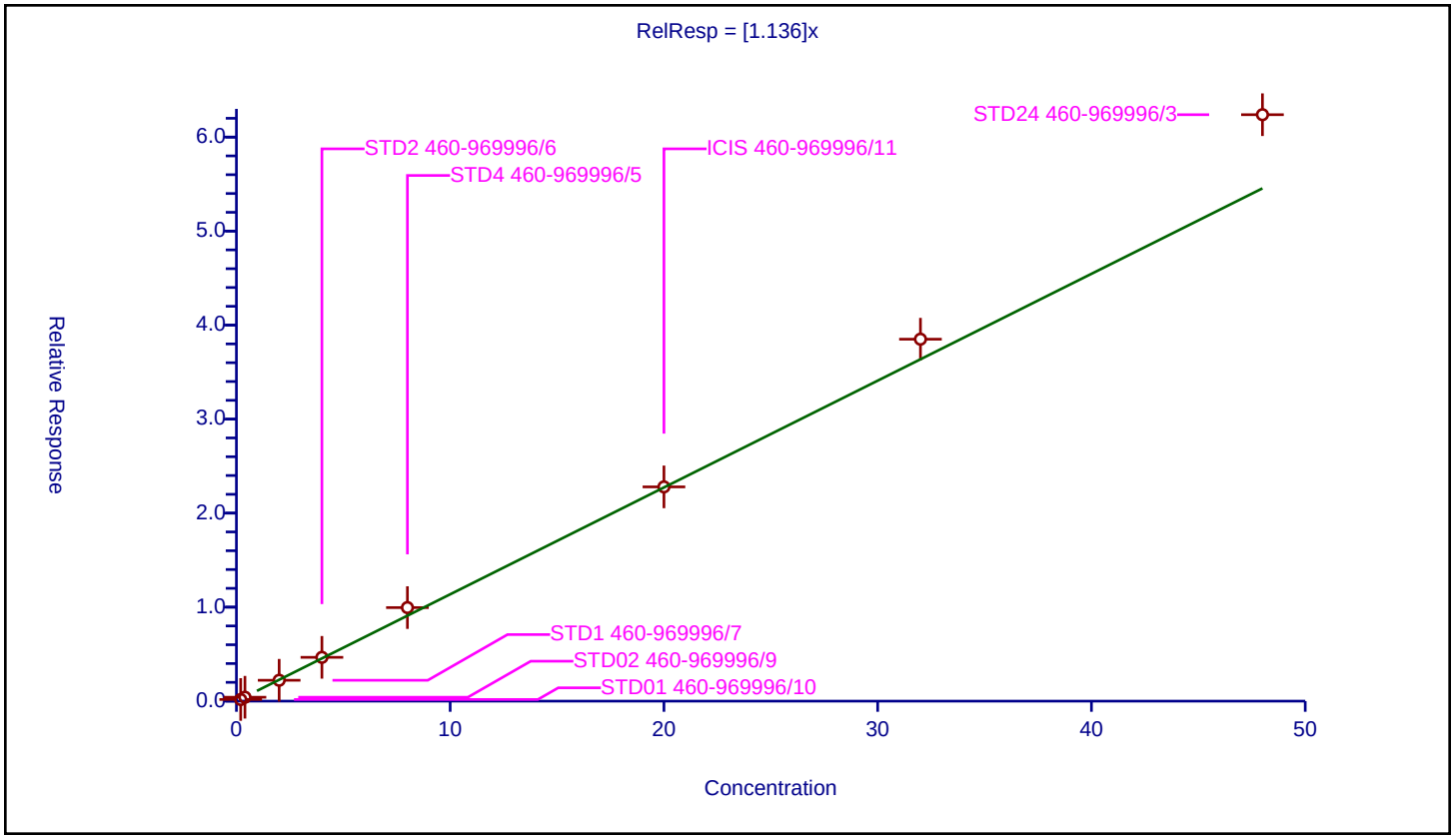
Curve Coefficients

Intercept:	0
Slope:	1.136

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.2	0.178023	8.0	280278.0	0.890116	Y
2	STD02 460-969996/9	0.4	0.416103	8.0	252726.0	1.040257	Y
3	STD1 460-969996/7	2.0	2.219286	8.0	256140.0	1.109643	Y
4	STD2 460-969996/6	4.0	4.658574	8.0	247808.0	1.164644	Y
5	STD4 460-969996/5	8.0	9.951711	8.0	261178.0	1.243964	Y
6	ICIS 460-969996/11	20.0	22.791533	8.0	252141.0	1.139577	Y
7	STD16 460-969996/4	32.0	38.501362	8.0	269514.0	1.203168	Y
8	STD24 460-969996/3	48.0	62.382522	8.0	259431.0	1.299636	Y



Calibration / 2-Fluorophenol

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

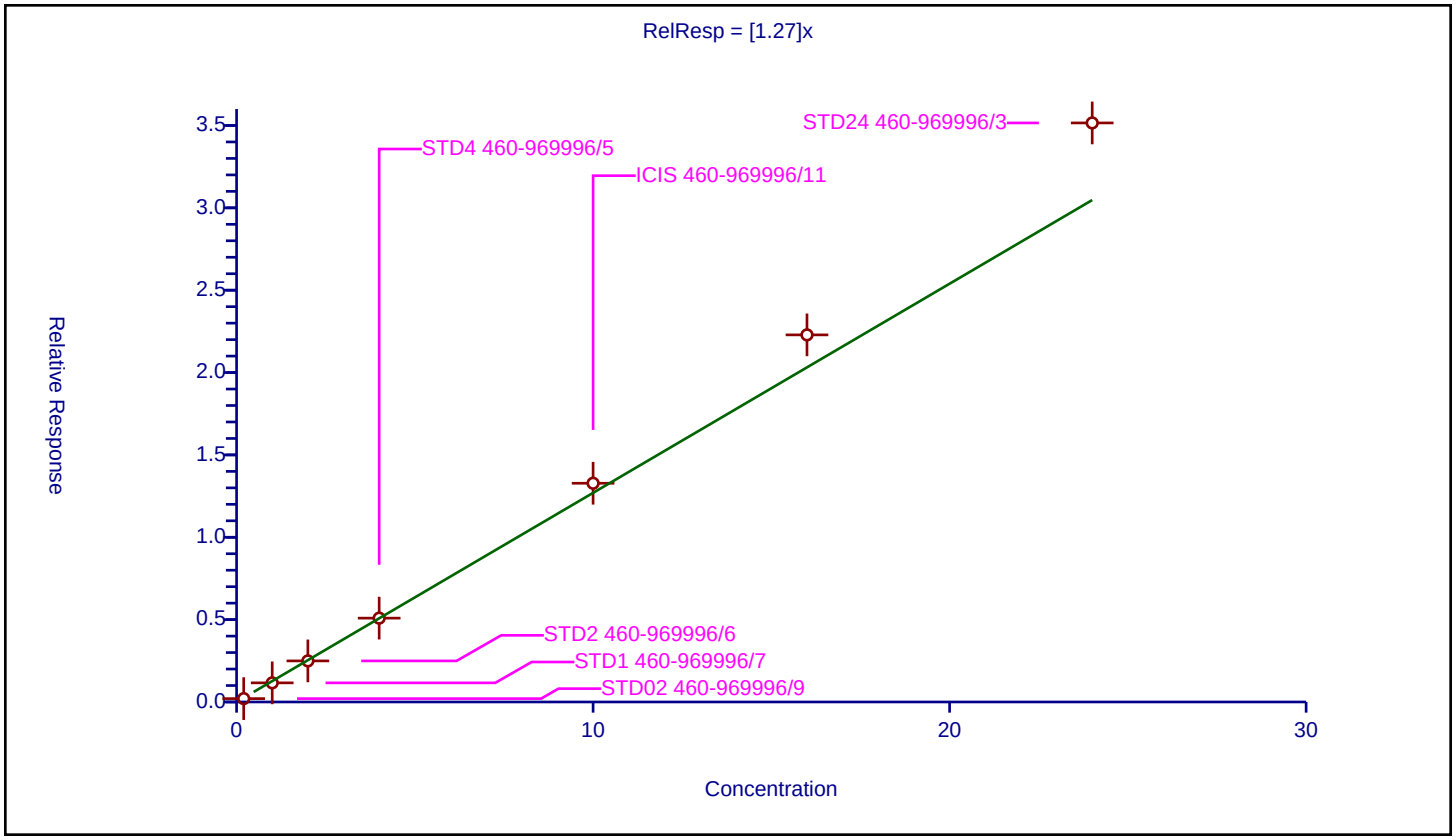
Curve Coefficients

Intercept:	0
Slope:	1.27

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.204237	8.0	252726.0	1.021185	Y
2	STD1 460-969996/7	1.0	1.160896	8.0	256140.0	1.160896	Y
3	STD2 460-969996/6	2.0	2.494189	8.0	247808.0	1.247095	Y
4	STD4 460-969996/5	4.0	5.091271	8.0	261178.0	1.272818	Y
5	ICIS 460-969996/11	10.0	13.279586	8.0	252141.0	1.327959	Y
6	STD16 460-969996/4	16.0	22.287614	8.0	269514.0	1.392976	Y
7	STD24 460-969996/3	24.0	35.154689	8.0	259431.0	1.464779	Y



Calibration / Benzaldehyde

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

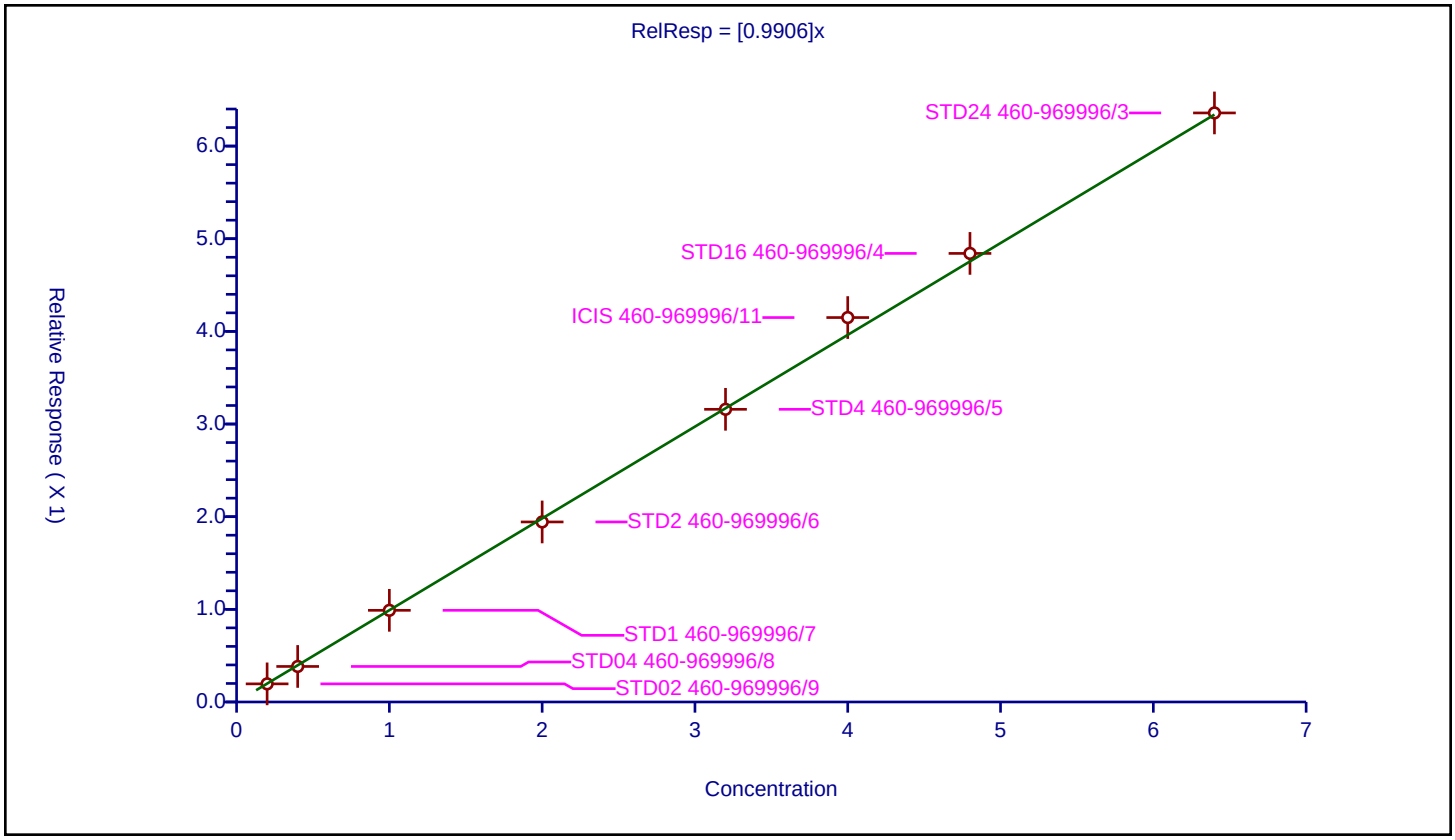
Curve Coefficients

Intercept:	0
Slope:	0.9906

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.19569	8.0	252726.0	0.978451	Y
2	STD04 460-969996/8	0.4	0.383532	8.0	269078.0	0.95883	Y
3	STD1 460-969996/7	1.0	0.989271	8.0	256140.0	0.989271	Y
4	STD2 460-969996/6	2.0	1.943085	8.0	247808.0	0.971542	Y
5	STD4 460-969996/5	3.2	3.15901	8.0	261178.0	0.987191	Y
6	ICIS 460-969996/11	4.0	4.149361	8.0	252141.0	1.03734	Y
7	STD16 460-969996/4	4.8	4.841544	8.0	269514.0	1.008655	Y
8	STD24 460-969996/3	6.4	6.357637	8.0	259431.0	0.993381	Y



Calibration / Phenol-d5

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

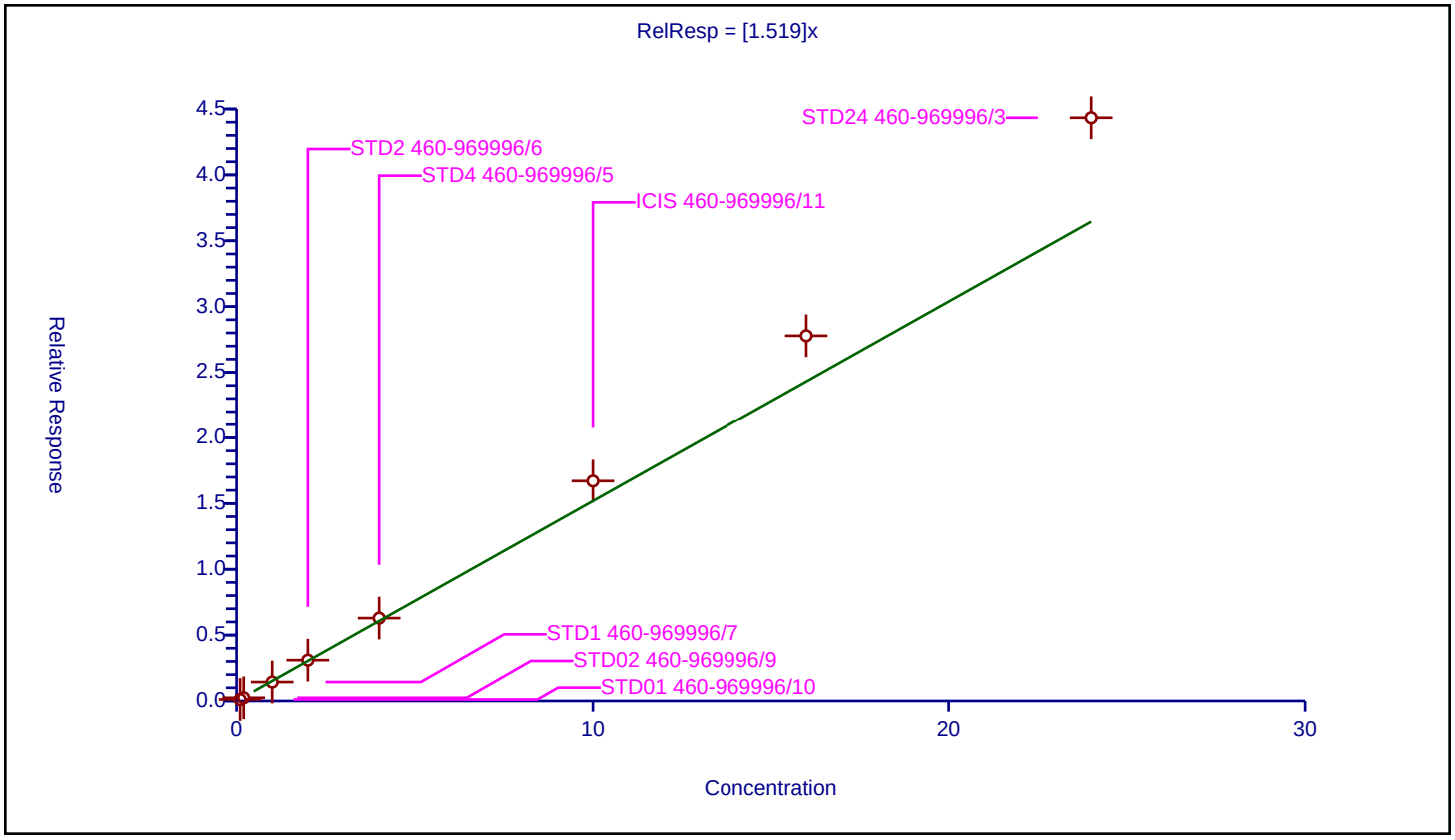
Curve Coefficients

Intercept:	0
Slope:	1.519

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.112717	8.0	280278.0	1.127167	Y
2	STD02 460-969996/9	0.2	0.242666	8.0	252726.0	1.21333	Y
3	STD1 460-969996/7	1.0	1.43509	8.0	256140.0	1.43509	Y
4	STD2 460-969996/6	2.0	3.097237	8.0	247808.0	1.548618	Y
5	STD4 460-969996/5	4.0	6.291525	8.0	261178.0	1.572881	Y
6	ICIS 460-969996/11	10.0	16.711665	8.0	252141.0	1.671167	Y
7	STD16 460-969996/4	16.0	27.783047	8.0	269514.0	1.73644	Y
8	STD24 460-969996/3	24.0	44.333669	8.0	259431.0	1.847236	Y



Calibration / Aniline

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

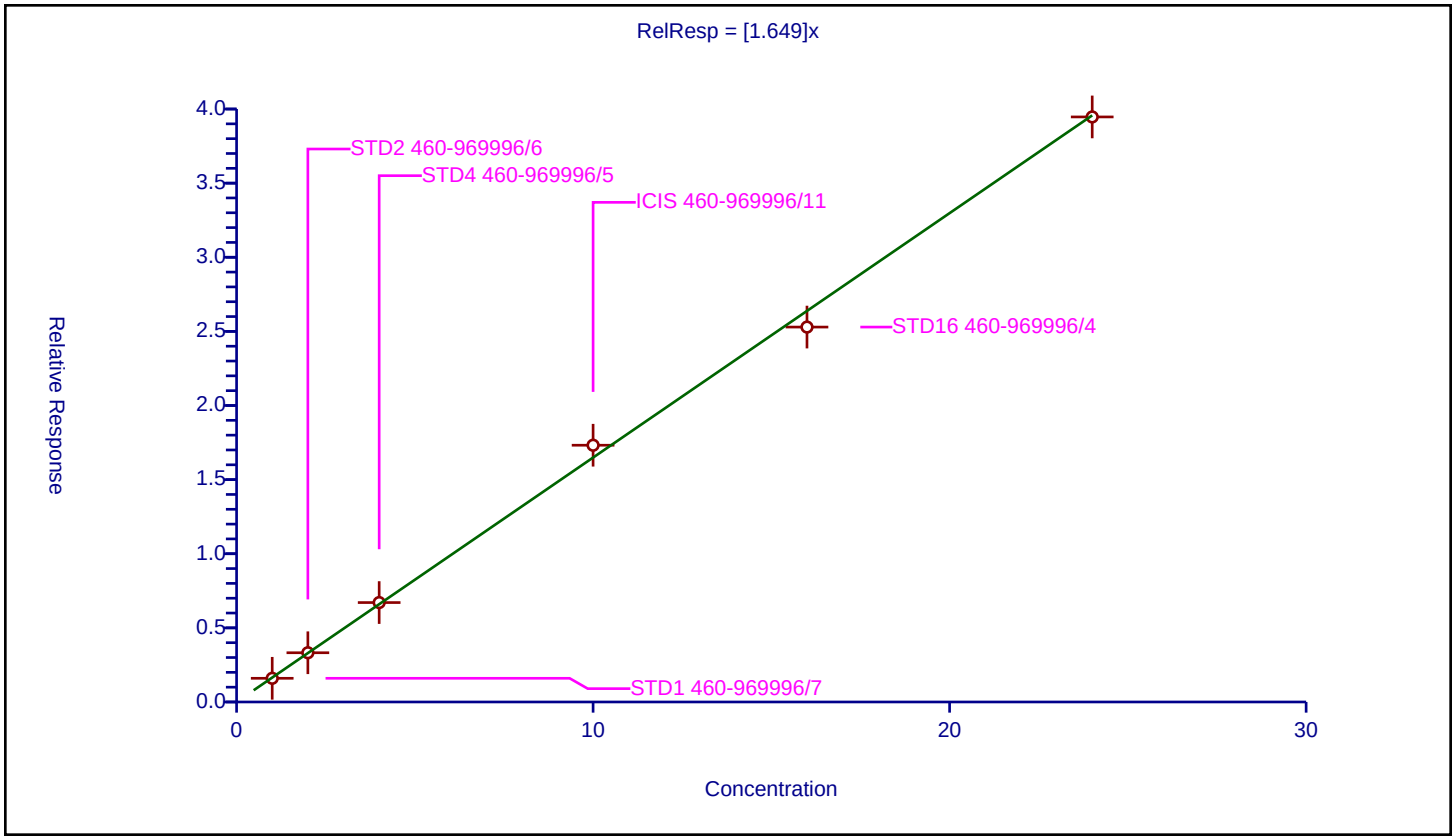
Curve Coefficients

Intercept:	0
Slope:	1.649

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.598345	8.0	256140.0	1.598345	Y
2	STD2 460-969996/6	2.0	3.3207	8.0	247808.0	1.66035	Y
3	STD4 460-969996/5	4.0	6.707763	8.0	261178.0	1.676941	Y
4	ICIS 460-969996/11	10.0	17.319992	8.0	252141.0	1.731999	Y
5	STD16 460-969996/4	16.0	25.290857	8.0	269514.0	1.580679	Y
6	STD24 460-969996/3	24.0	39.465723	8.0	259431.0	1.644405	Y



Calibration / Phenol

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

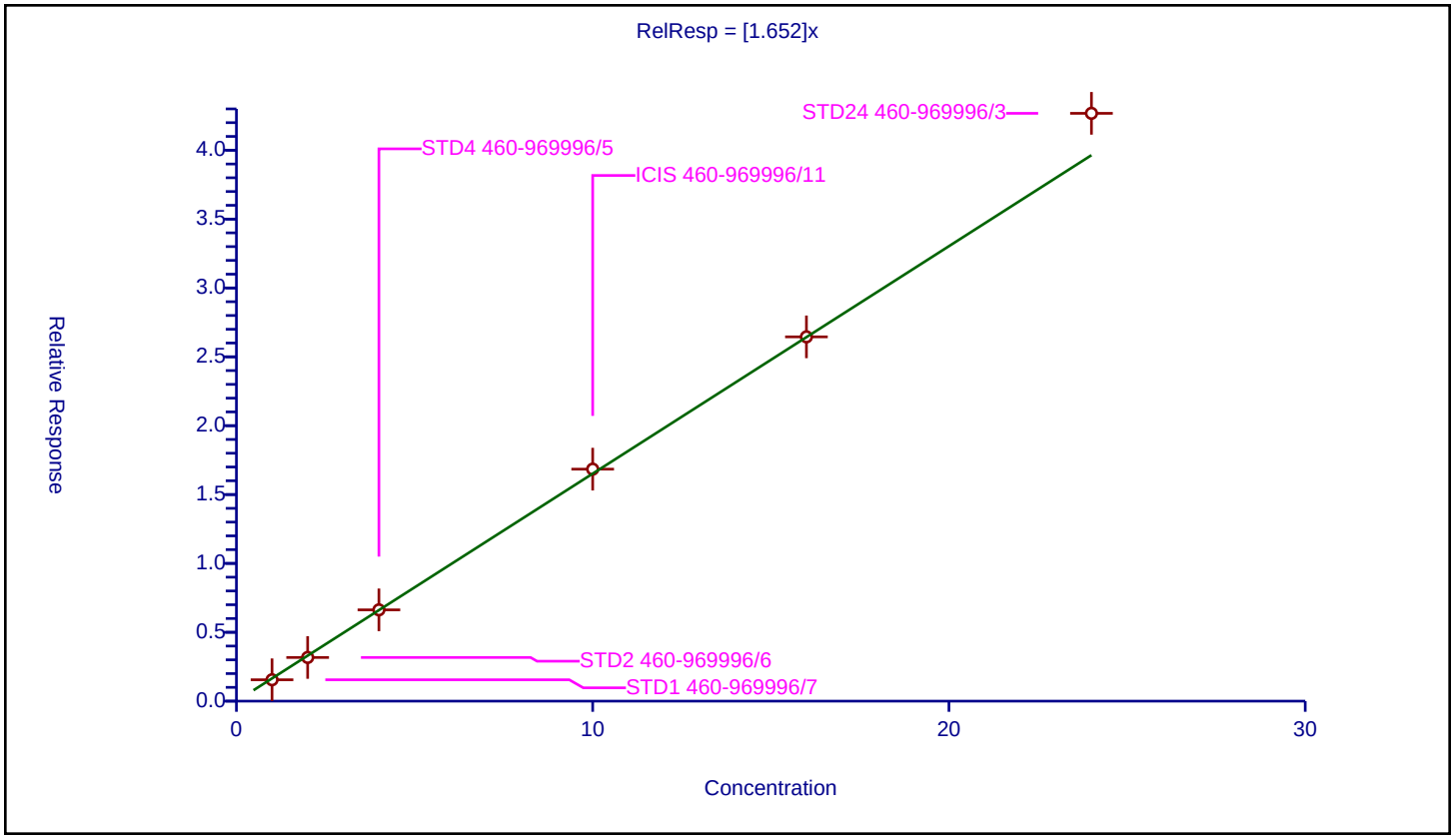
Curve Coefficients

Intercept:	0
Slope:	1.652

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.551901	8.0	256140.0	1.551901	Y
2	STD2 460-969996/6	2.0	3.170422	8.0	247808.0	1.585211	Y
3	STD4 460-969996/5	4.0	6.62843	8.0	261178.0	1.657107	Y
4	ICIS 460-969996/11	10.0	16.843687	8.0	252141.0	1.684369	Y
5	STD16 460-969996/4	16.0	26.448318	8.0	269514.0	1.65302	Y
6	STD24 460-969996/3	24.0	42.677768	8.0	259431.0	1.77824	Y



Calibration / Bis(2-chloroethyl)ether

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

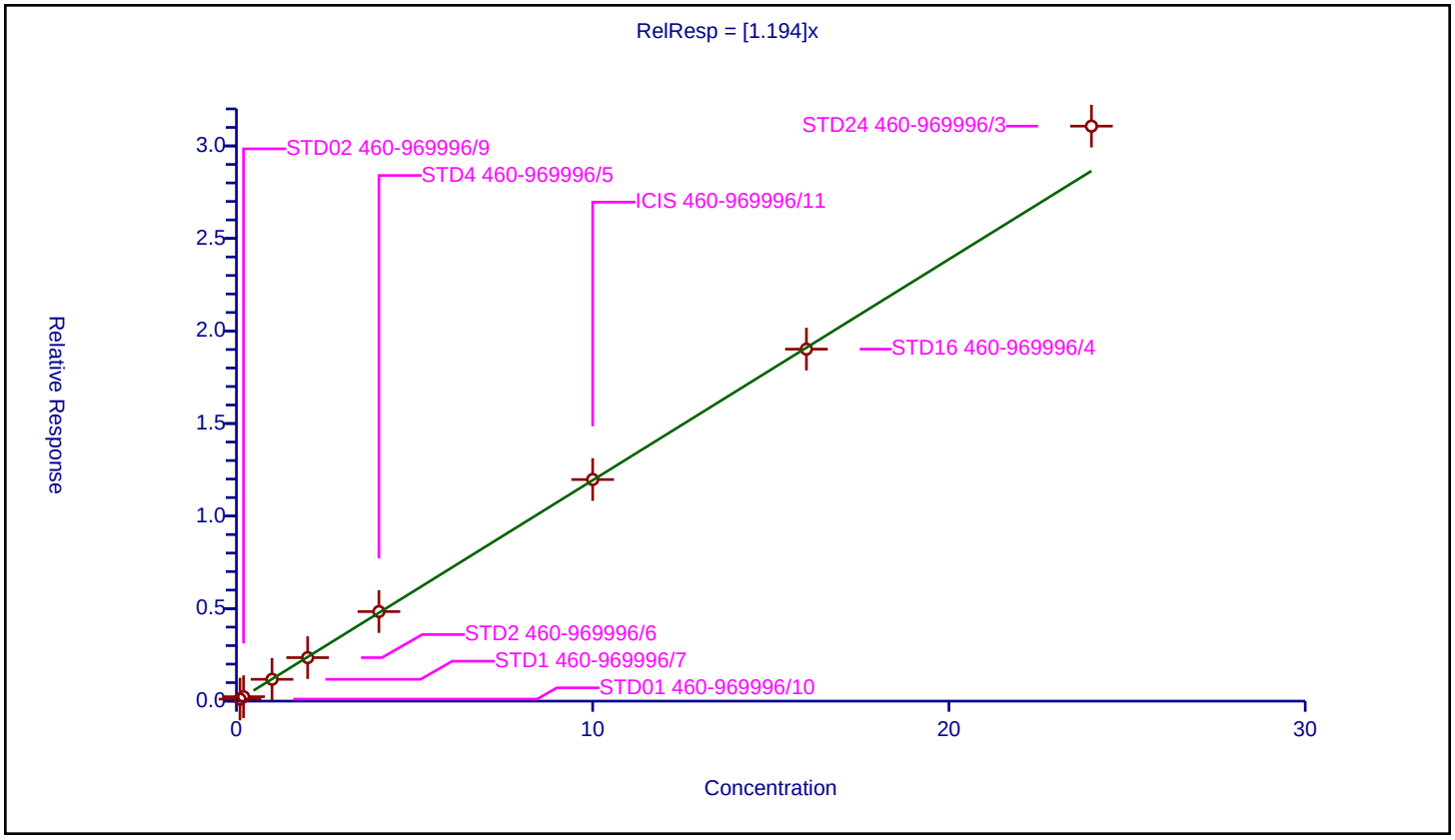
Curve Coefficients

Intercept:	0
Slope:	1.194

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.110348	8.0	280278.0	1.103476	Y
2	STD02 460-969996/9	0.2	0.24007	8.0	252726.0	1.200351	Y
3	STD1 460-969996/7	1.0	1.179824	8.0	256140.0	1.179824	Y
4	STD2 460-969996/6	2.0	2.350691	8.0	247808.0	1.175345	Y
5	STD4 460-969996/5	4.0	4.839213	8.0	261178.0	1.209803	Y
6	ICIS 460-969996/11	10.0	11.973459	8.0	252141.0	1.197346	Y
7	STD16 460-969996/4	16.0	19.018826	8.0	269514.0	1.188677	Y
8	STD24 460-969996/3	24.0	31.068299	8.0	259431.0	1.294512	Y



Calibration / 2-Chlorophenol

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

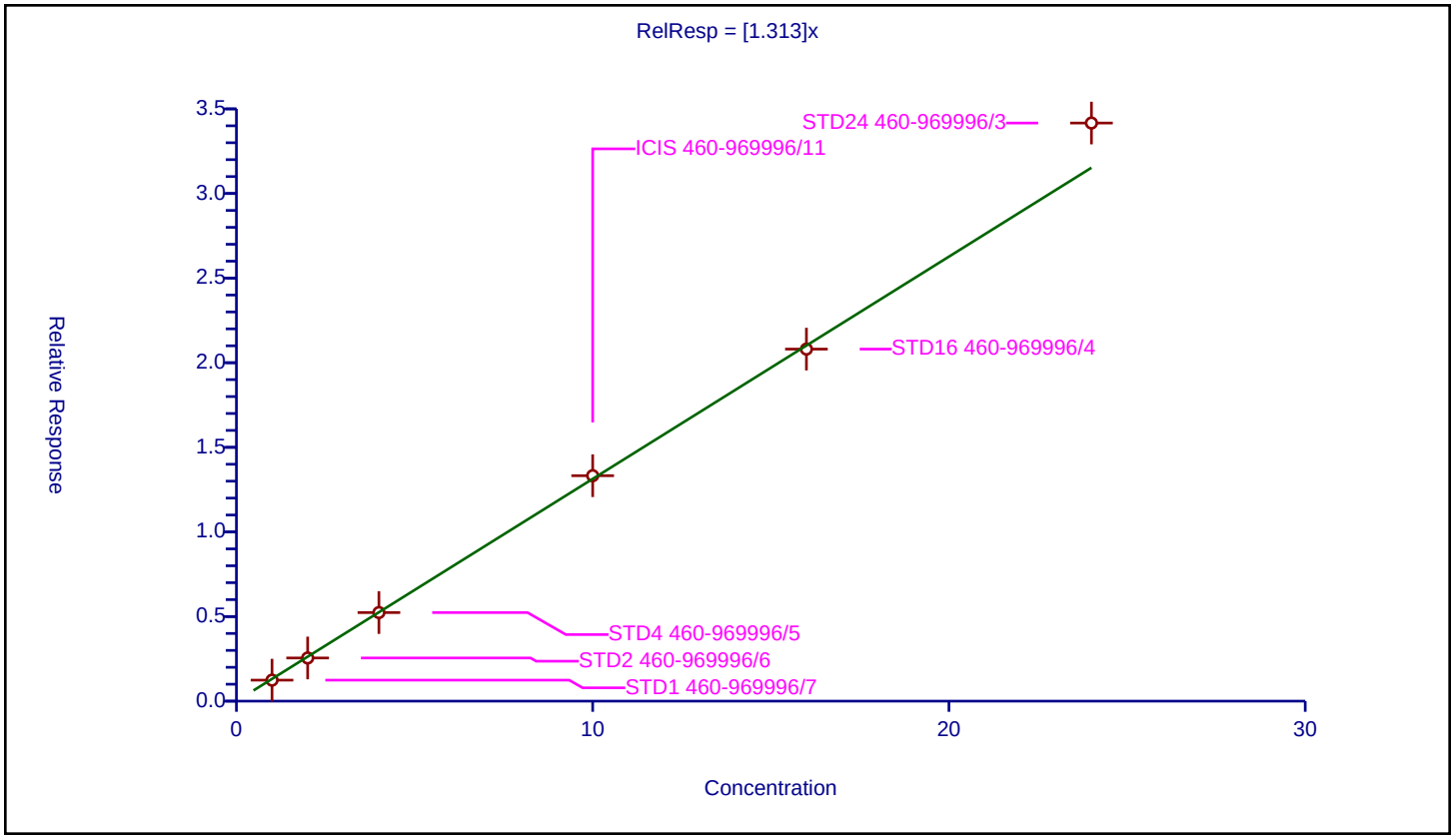
Curve Coefficients

Intercept:	0
Slope:	1.313

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.24054	8.0	256140.0	1.24054	Y
2	STD2 460-969996/6	2.0	2.551007	8.0	247808.0	1.275504	Y
3	STD4 460-969996/5	4.0	5.234407	8.0	261178.0	1.308602	Y
4	ICIS 460-969996/11	10.0	13.3228	8.0	252141.0	1.33228	Y
5	STD16 460-969996/4	16.0	20.804084	8.0	269514.0	1.300255	Y
6	STD24 460-969996/3	24.0	34.164182	8.0	259431.0	1.423508	Y



Calibration / n-Decane

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

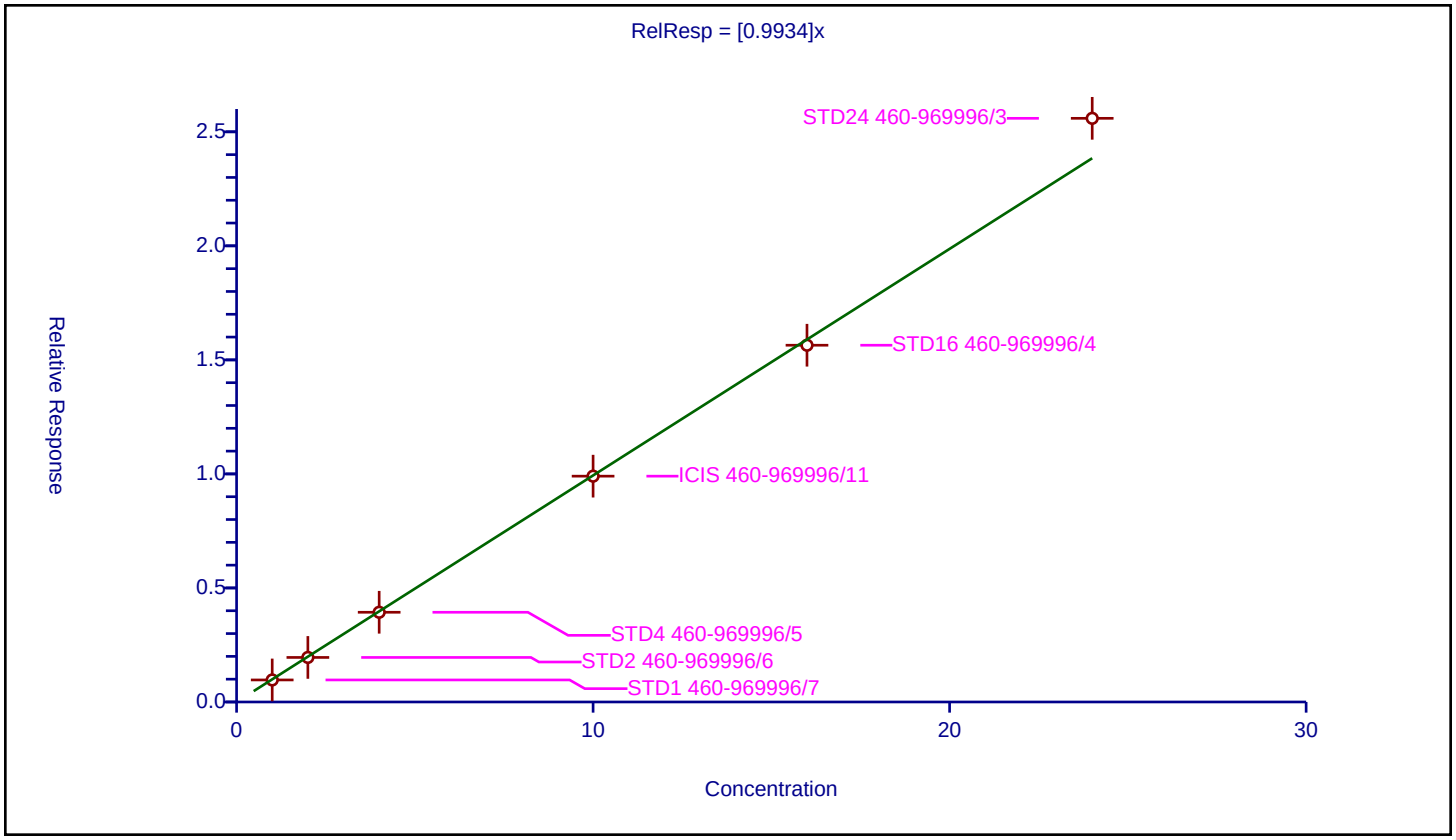
Curve Coefficients

Intercept:	0
Slope:	0.9934

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.965816	8.0	256140.0	0.965816	Y
2	STD2 460-969996/6	2.0	1.95348	8.0	247808.0	0.97674	Y
3	STD4 460-969996/5	4.0	3.934083	8.0	261178.0	0.983521	Y
4	ICIS 460-969996/11	10.0	9.902079	8.0	252141.0	0.990208	Y
5	STD16 460-969996/4	16.0	15.643002	8.0	269514.0	0.977688	Y
6	STD24 460-969996/3	24.0	25.591668	8.0	259431.0	1.066319	Y



Calibration / 1,3-Dichlorobenzene

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

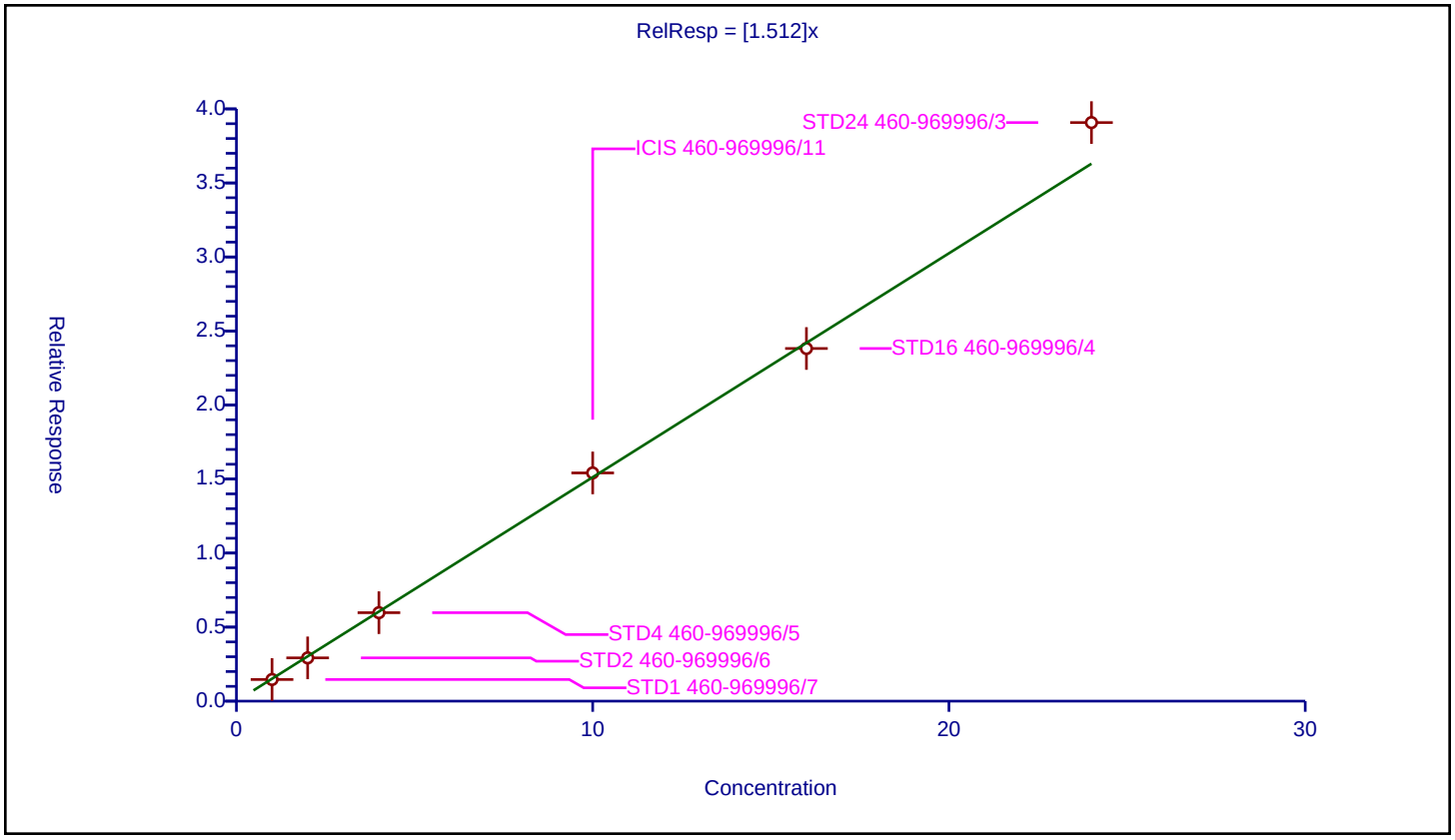
Curve Coefficients

Intercept:	0
Slope:	1.512

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.460701	8.0	256140.0	1.460701	Y
2	STD2 460-969996/6	2.0	2.922456	8.0	247808.0	1.461228	Y
3	STD4 460-969996/5	4.0	5.975511	8.0	261178.0	1.493878	Y
4	ICIS 460-969996/11	10.0	15.412932	8.0	252141.0	1.541293	Y
5	STD16 460-969996/4	16.0	23.817538	8.0	269514.0	1.488596	Y
6	STD24 460-969996/3	24.0	39.076194	8.0	259431.0	1.628175	Y



Calibration / 1,4-Dichlorobenzene

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

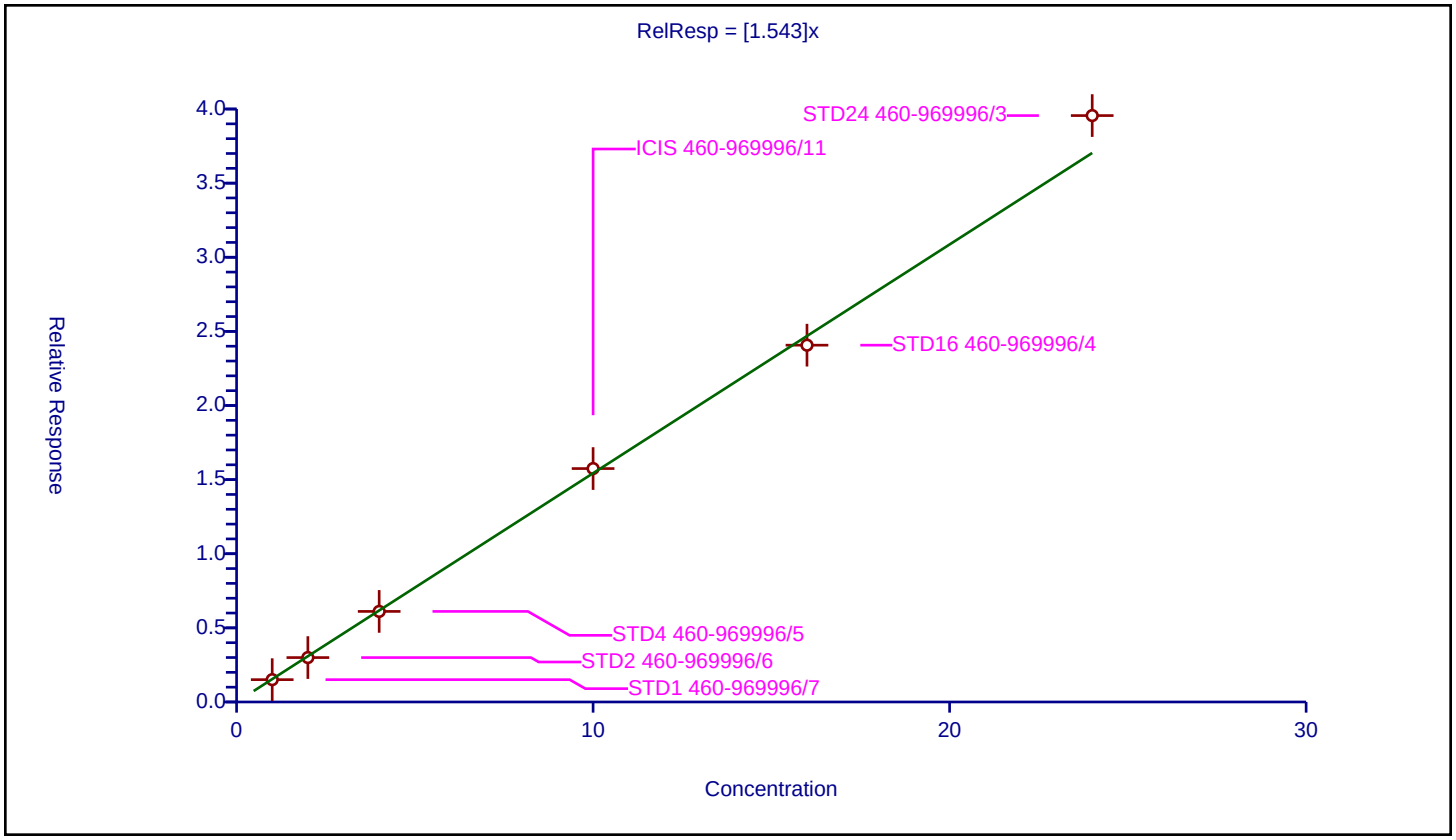
Curve Coefficients

Intercept:	0
Slope:	1.543

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.505958	8.0	256140.0	1.505958	Y
2	STD2 460-969996/6	2.0	2.996255	8.0	247808.0	1.498128	Y
3	STD4 460-969996/5	4.0	6.109335	8.0	261178.0	1.527334	Y
4	ICIS 460-969996/11	10.0	15.746808	8.0	252141.0	1.574681	Y
5	STD16 460-969996/4	16.0	24.07023	8.0	269514.0	1.504389	Y
6	STD24 460-969996/3	24.0	39.557801	8.0	259431.0	1.648242	Y



Calibration / Benzyl alcohol

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

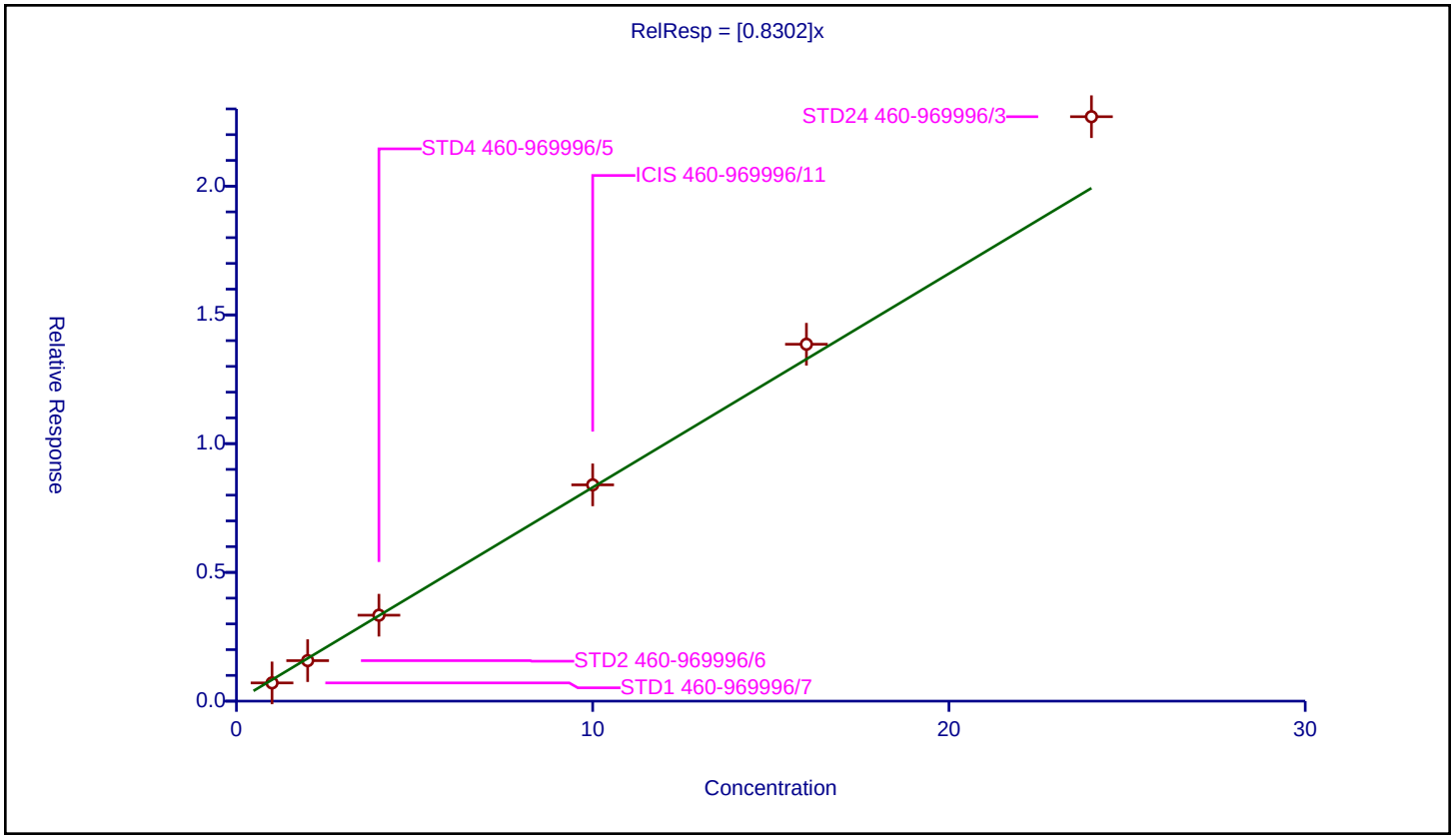
Curve Coefficients

Intercept:	0
Slope:	0.8302

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.708269	8.0	256140.0	0.708269	Y
2	STD2 460-969996/6	2.0	1.573089	8.0	247808.0	0.786544	Y
3	STD4 460-969996/5	4.0	3.337035	8.0	261178.0	0.834259	Y
4	ICIS 460-969996/11	10.0	8.399364	8.0	252141.0	0.839936	Y
5	STD16 460-969996/4	16.0	13.86095	8.0	269514.0	0.866309	Y
6	STD24 460-969996/3	24.0	22.697395	8.0	259431.0	0.945725	Y



Calibration / 1,2-Dichlorobenzene

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

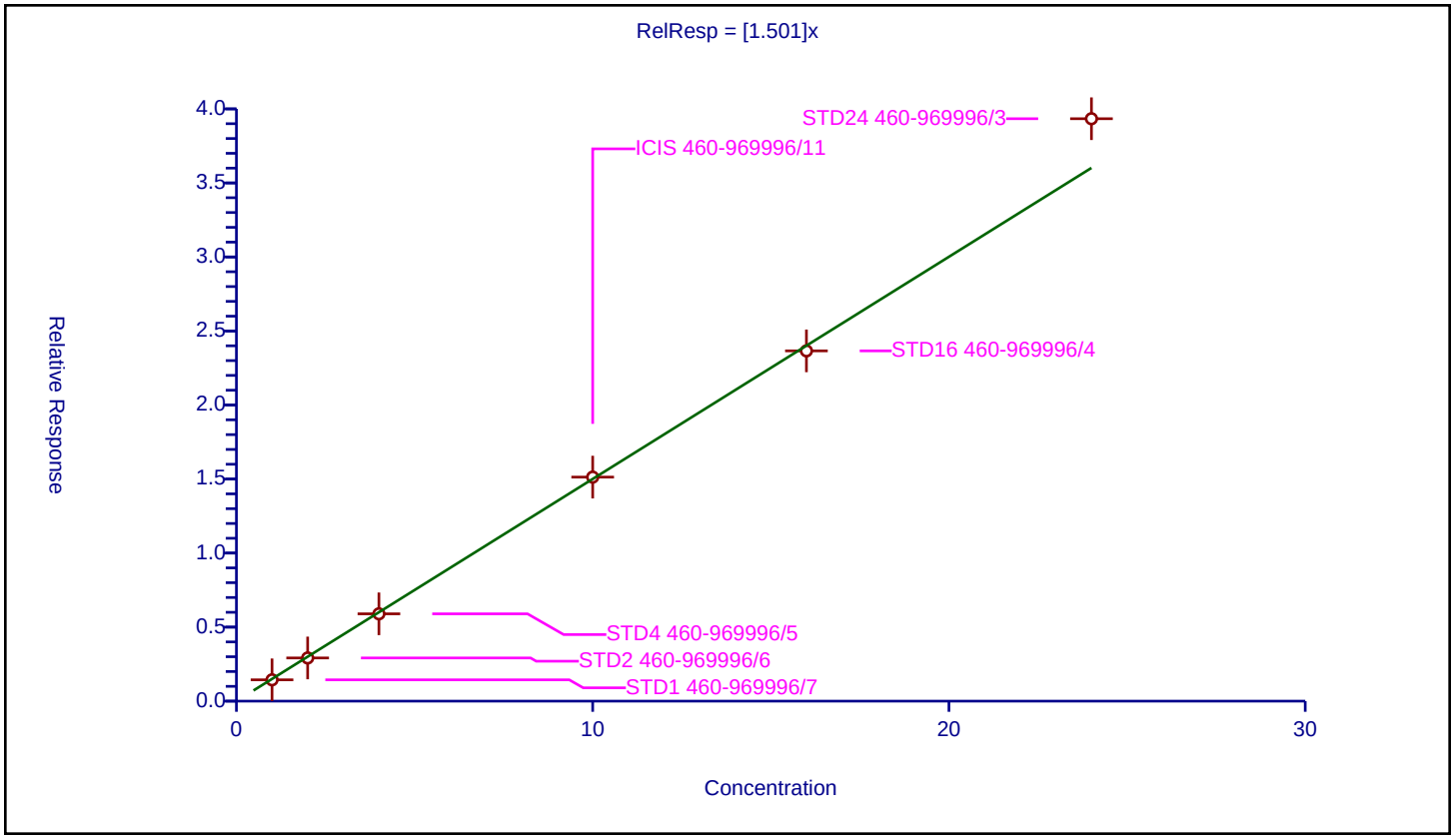
Curve Coefficients

Intercept:	0
Slope:	1.501

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.440806	8.0	256140.0	1.440806	Y
2	STD2 460-969996/6	2.0	2.915967	8.0	247808.0	1.457984	Y
3	STD4 460-969996/5	4.0	5.896638	8.0	261178.0	1.474159	Y
4	ICIS 460-969996/11	10.0	15.130296	8.0	252141.0	1.51303	Y
5	STD16 460-969996/4	16.0	23.656715	8.0	269514.0	1.478545	Y
6	STD24 460-969996/3	24.0	39.336086	8.0	259431.0	1.639004	Y



Calibration / 2,2'-oxybis[1-chloropropane]

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

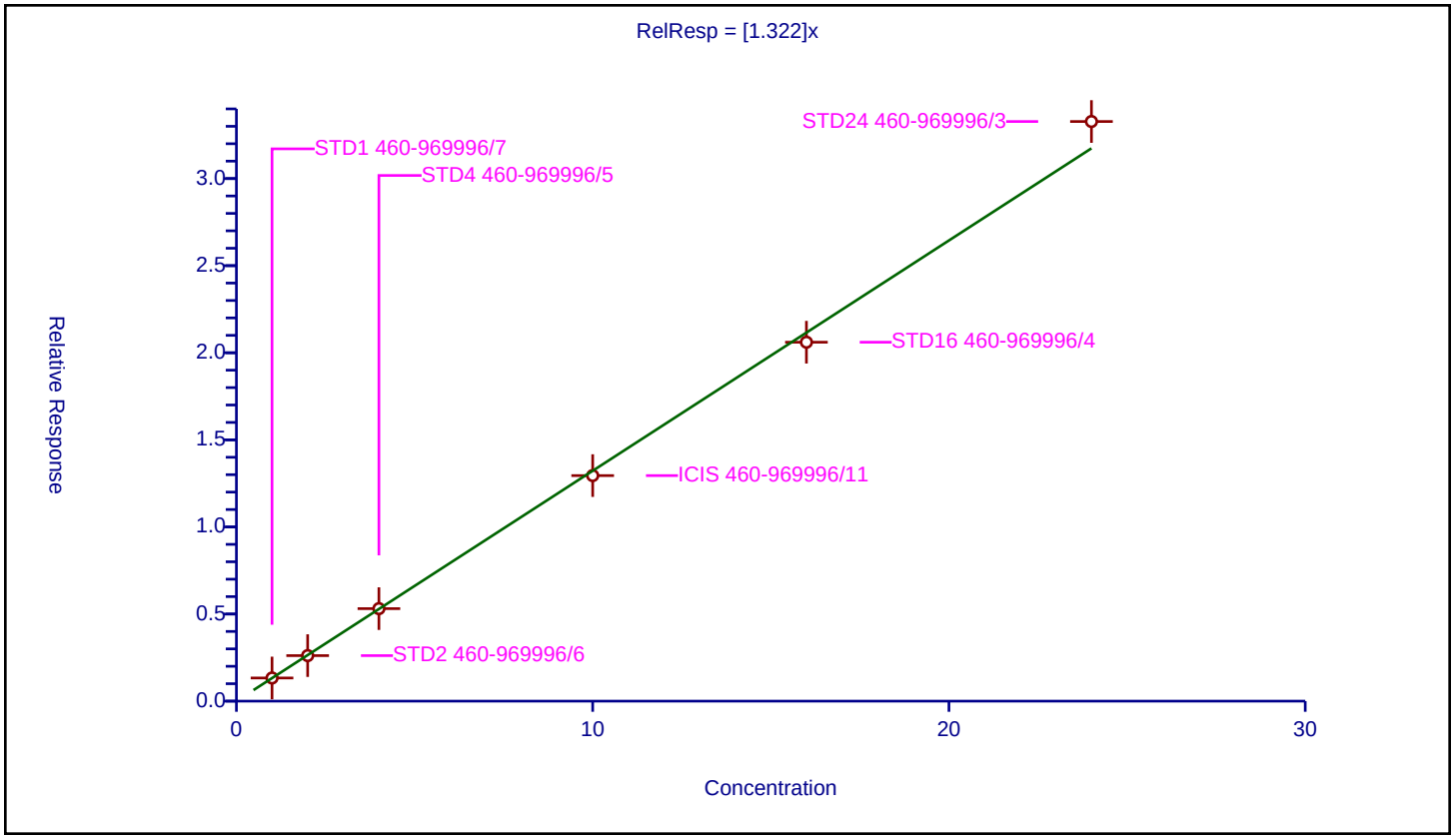
Curve Coefficients

Intercept:	0
Slope:	1.322

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.330179	8.0	256140.0	1.330179	Y
2	STD2 460-969996/6	2.0	2.613281	8.0	247808.0	1.306641	Y
3	STD4 460-969996/5	4.0	5.310738	8.0	261178.0	1.327685	Y
4	ICIS 460-969996/11	10.0	12.948596	8.0	252141.0	1.29486	Y
5	STD16 460-969996/4	16.0	20.60592	8.0	269514.0	1.28787	Y
6	STD24 460-969996/3	24.0	33.275561	8.0	259431.0	1.386482	Y



Calibration / 2-Methylphenol

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

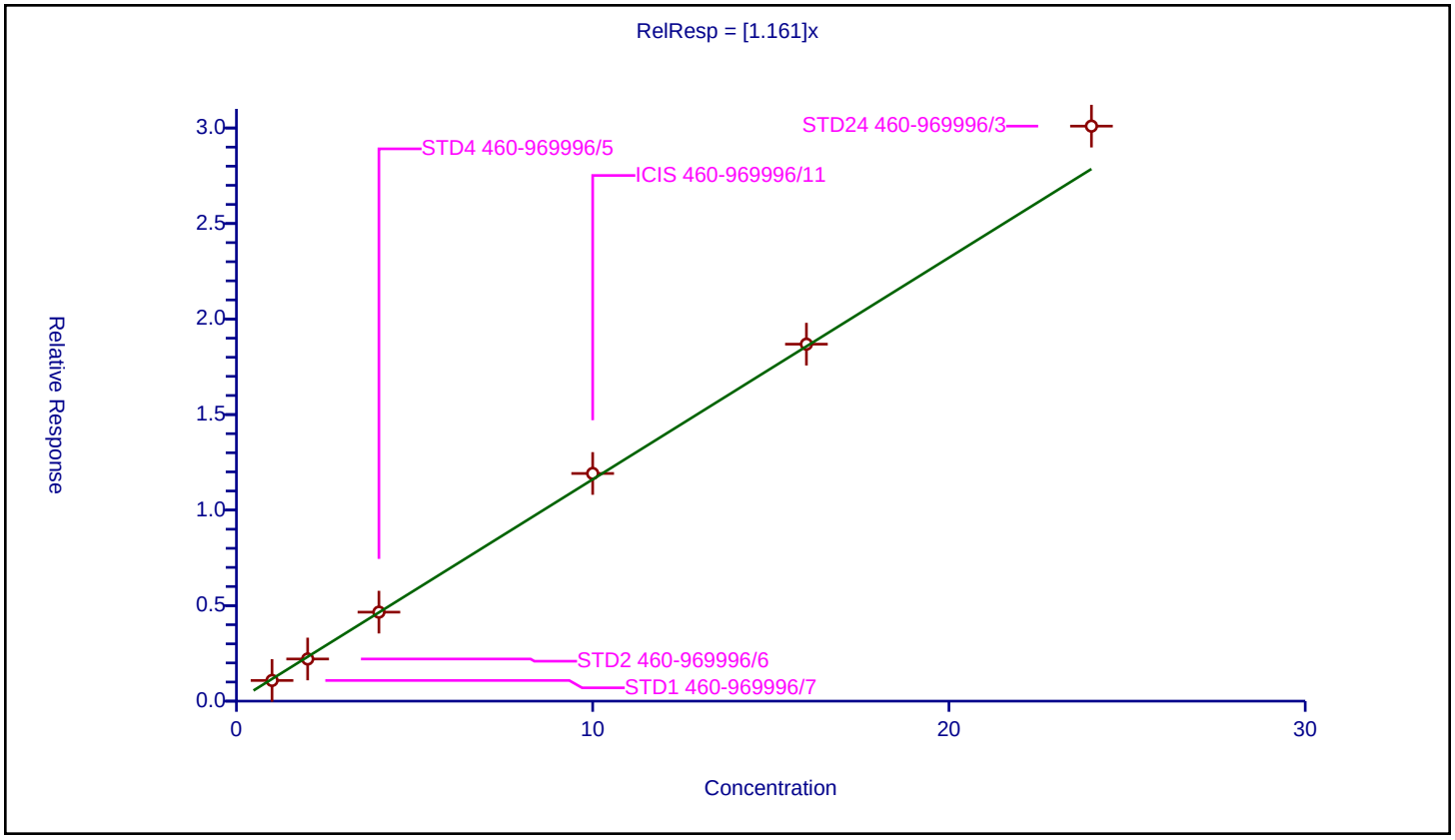
Curve Coefficients

Intercept:	0
Slope:	1.161

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.082845	8.0	256140.0	1.082845	Y
2	STD2 460-969996/6	2.0	2.205579	8.0	247808.0	1.102789	Y
3	STD4 460-969996/5	4.0	4.657789	8.0	261178.0	1.164447	Y
4	ICIS 460-969996/11	10.0	11.917173	8.0	252141.0	1.191717	Y
5	STD16 460-969996/4	16.0	18.686554	8.0	269514.0	1.16791	Y
6	STD24 460-969996/3	24.0	30.097714	8.0	259431.0	1.254071	Y



Calibration / N-Methylaniline

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

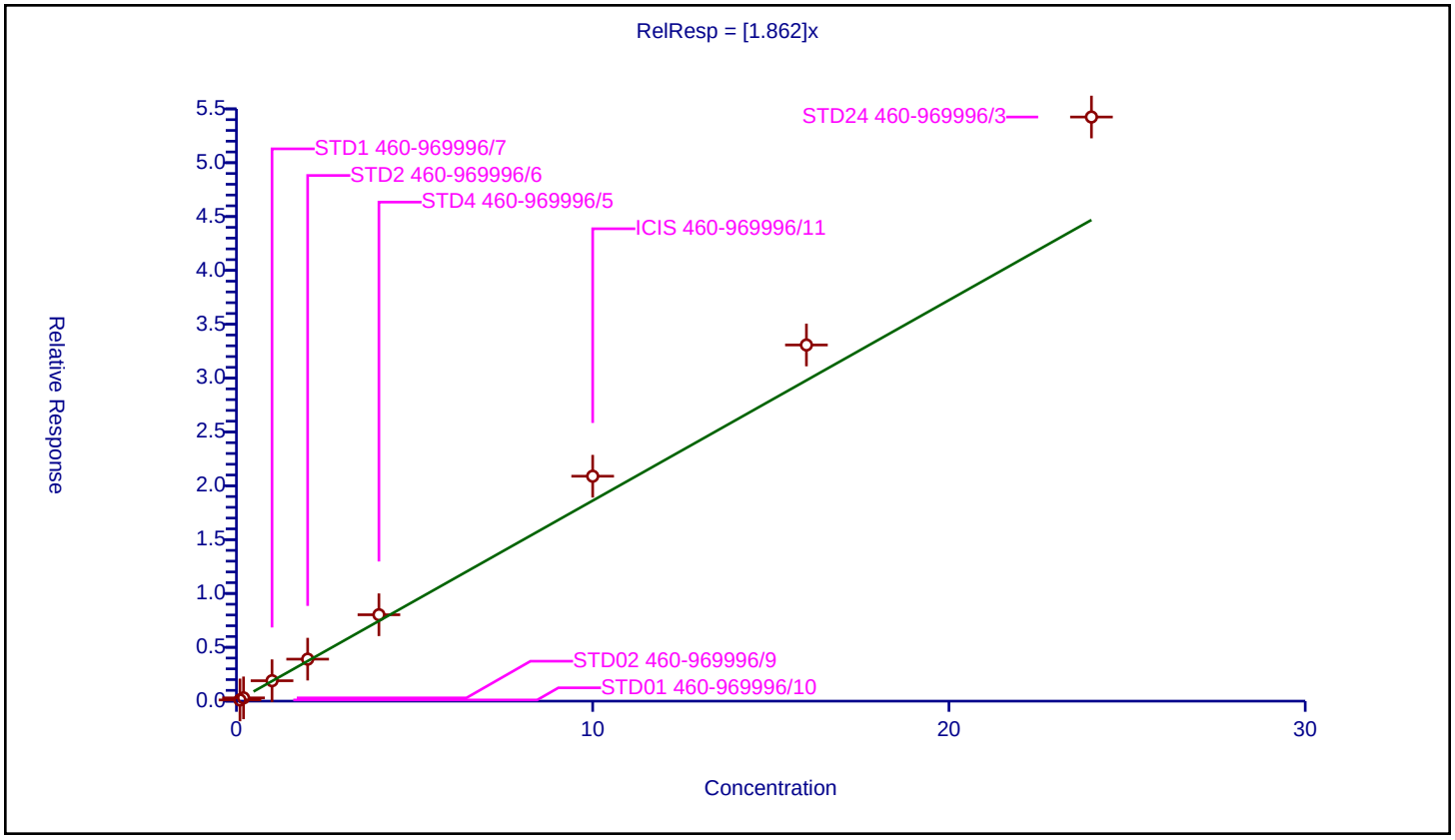
Curve Coefficients

Intercept:	0
Slope:	1.862

Error Coefficients

Relative Standard Deviation:	19.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.11129	8.0	280278.0	1.112895	Y
2	STD02 460-969996/9	0.2	0.303	8.0	252726.0	1.515	Y
3	STD1 460-969996/7	1.0	1.895307	8.0	256140.0	1.895307	Y
4	STD2 460-969996/6	2.0	3.899955	8.0	247808.0	1.949977	Y
5	STD4 460-969996/5	4.0	8.023065	8.0	261178.0	2.005766	Y
6	ICIS 460-969996/11	10.0	20.889835	8.0	252141.0	2.088984	Y
7	STD16 460-969996/4	16.0	33.074497	8.0	269514.0	2.067156	Y
8	STD24 460-969996/3	24.0	54.245514	8.0	259431.0	2.26023	Y



Calibration / Acetophenone

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

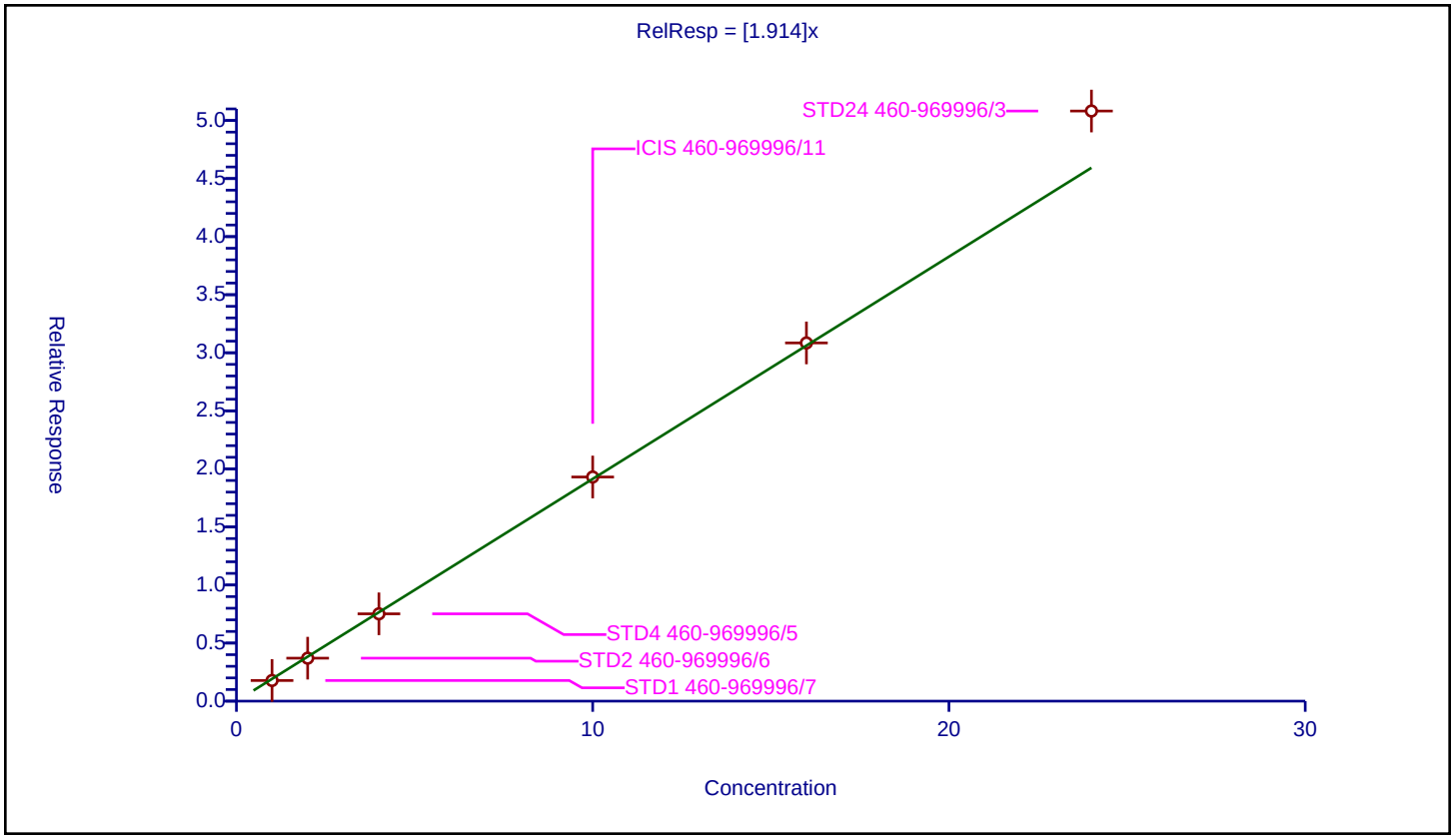
Curve Coefficients

Intercept:	0
Slope:	1.914

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.776685	8.0	256140.0	1.776685	Y
2	STD2 460-969996/6	2.0	3.70009	8.0	247808.0	1.850045	Y
3	STD4 460-969996/5	4.0	7.51999	8.0	261178.0	1.879998	Y
4	ICIS 460-969996/11	10.0	19.301676	8.0	252141.0	1.930168	Y
5	STD16 460-969996/4	16.0	30.846962	8.0	269514.0	1.927935	Y
6	STD24 460-969996/3	24.0	50.816996	8.0	259431.0	2.117375	Y



Calibration / N-Nitrosodi-n-propylamine

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

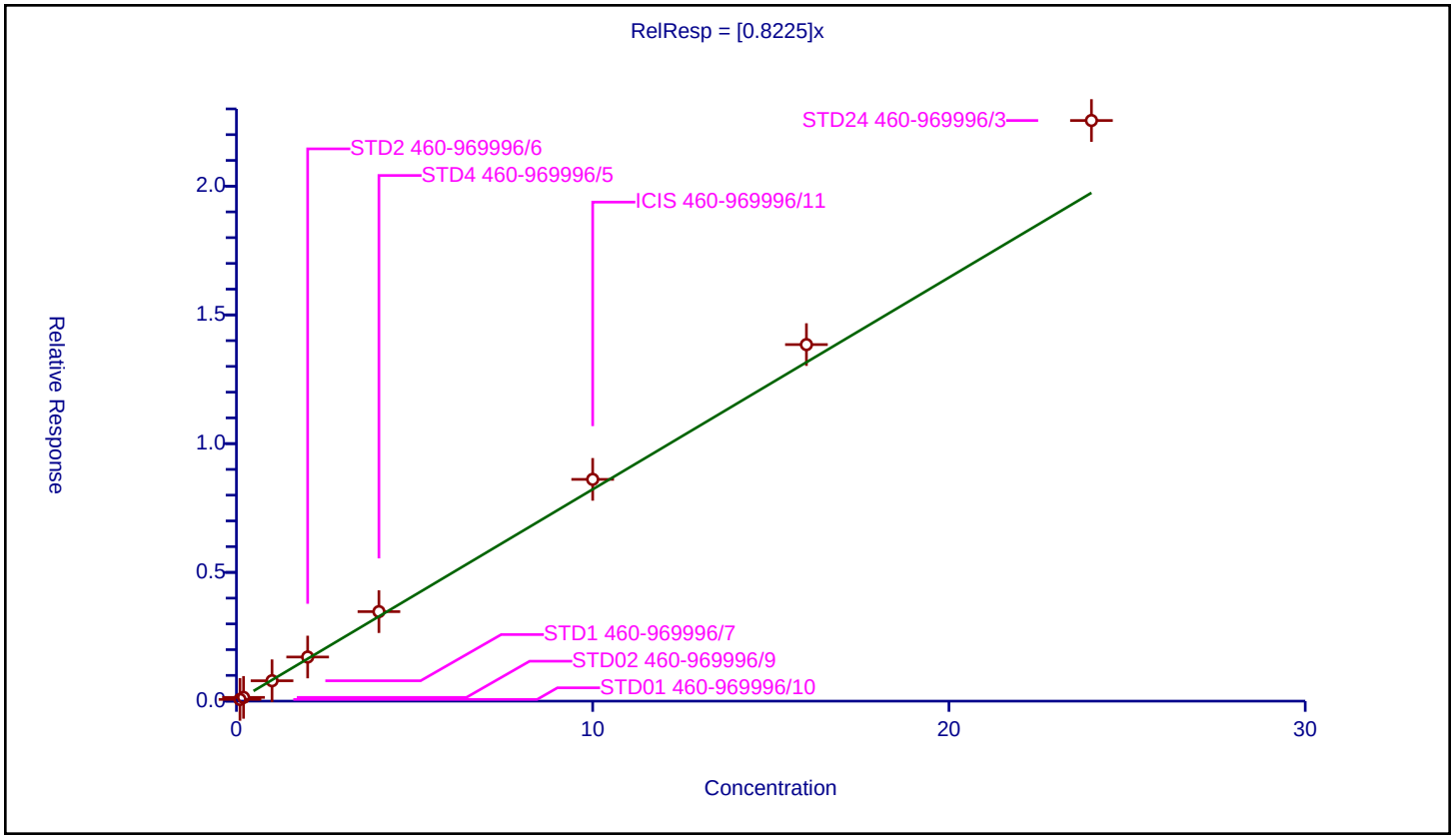
Curve Coefficients

Intercept:	0
Slope:	0.8225

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.067048	8.0	280278.0	0.670477	Y
2	STD02 460-969996/9	0.2	0.145169	8.0	252726.0	0.725845	Y
3	STD1 460-969996/7	1.0	0.792067	8.0	256140.0	0.792067	Y
4	STD2 460-969996/6	2.0	1.712874	8.0	247808.0	0.856437	Y
5	STD4 460-969996/5	4.0	3.476281	8.0	261178.0	0.86907	Y
6	ICIS 460-969996/11	10.0	8.612737	8.0	252141.0	0.861274	Y
7	STD16 460-969996/4	16.0	13.846642	8.0	269514.0	0.865415	Y
8	STD24 460-969996/3	24.0	22.548732	8.0	259431.0	0.93953	Y



Calibration

/ 3 & 4 Methylphenol

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

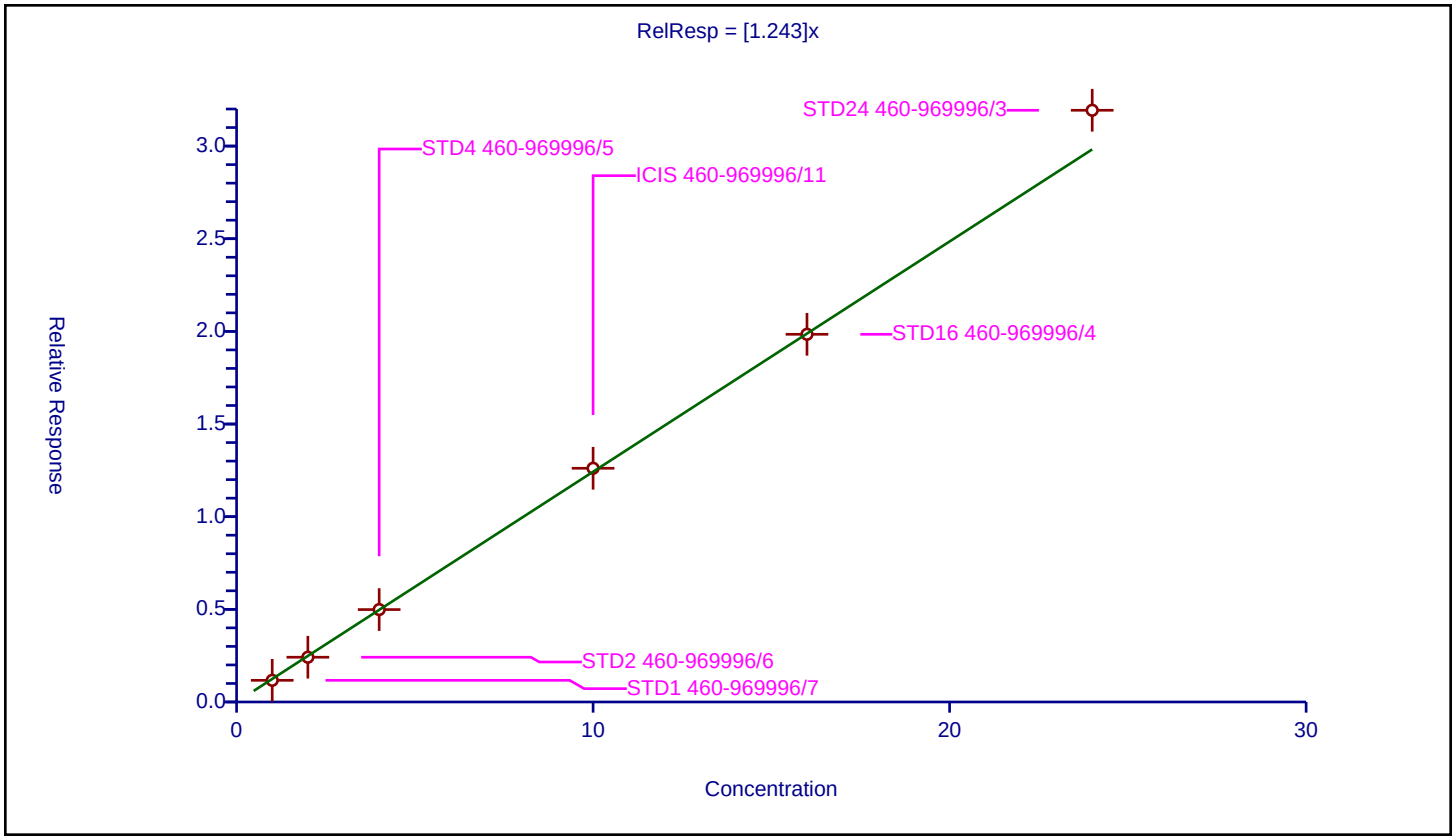
Curve Coefficients

Intercept:	0
Slope:	1.243

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.168736	8.0	256140.0	1.168736	Y
2	STD2 460-969996/6	2.0	2.415741	8.0	247808.0	1.207871	Y
3	STD4 460-969996/5	4.0	4.986576	8.0	261178.0	1.246644	Y
4	ICIS 460-969996/11	10.0	12.613355	8.0	252141.0	1.261336	Y
5	STD16 460-969996/4	16.0	19.843155	8.0	269514.0	1.240197	Y
6	STD24 460-969996/3	24.0	31.931758	8.0	259431.0	1.33049	Y



Calibration / 4-Methylphenol

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

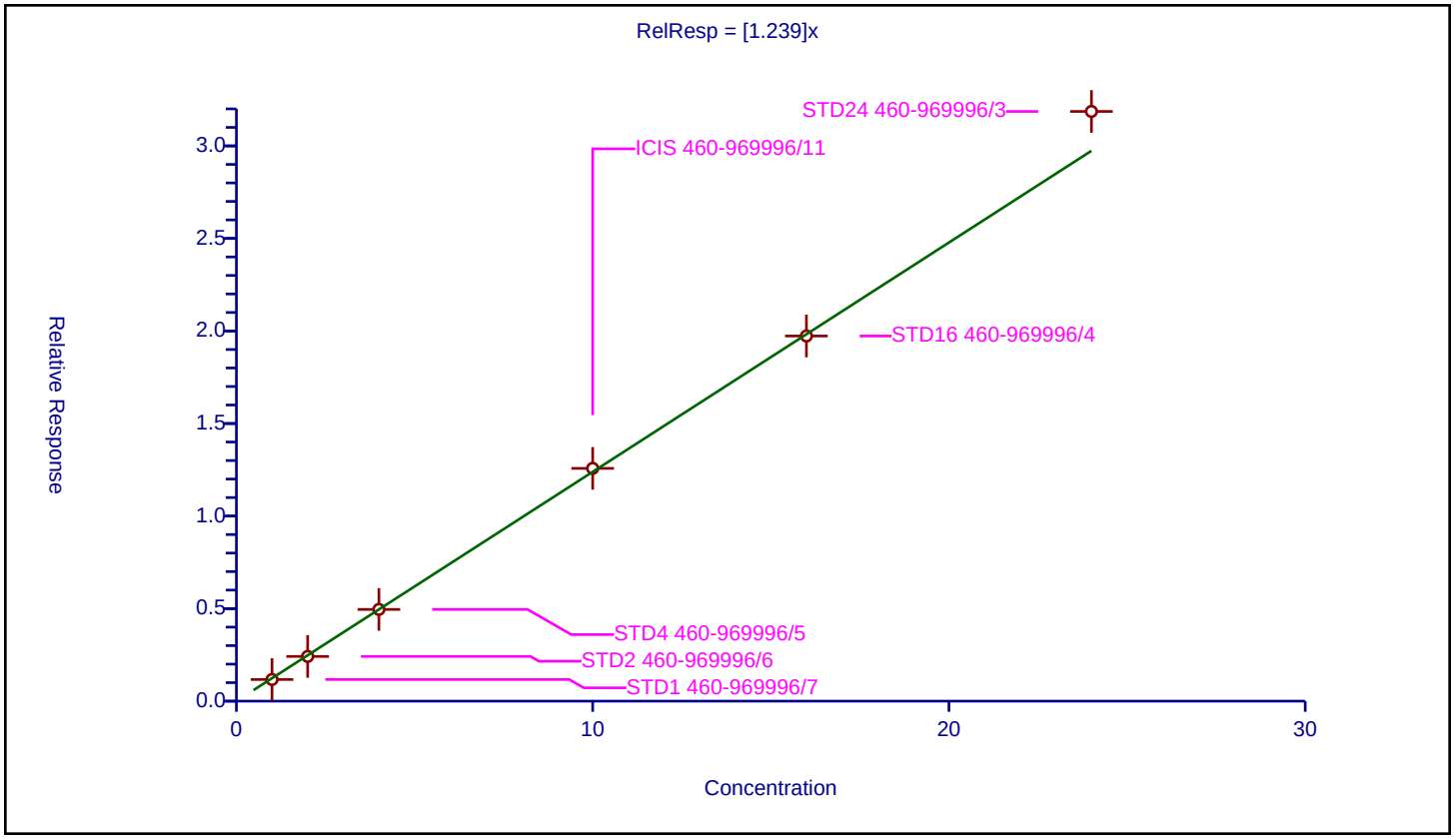
Curve Coefficients

Intercept:	0
Slope:	1.239

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.168736	8.0	256140.0	1.168736	Y
2	STD2 460-969996/6	2.0	2.415741	8.0	247808.0	1.207871	Y
3	STD4 460-969996/5	4.0	4.954812	8.0	261178.0	1.238703	Y
4	ICIS 460-969996/11	10.0	12.576741	8.0	252141.0	1.257674	Y
5	STD16 460-969996/4	16.0	19.728845	8.0	269514.0	1.233053	Y
6	STD24 460-969996/3	24.0	31.862006	8.0	259431.0	1.327584	Y



Calibration / Hexachloroethane

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

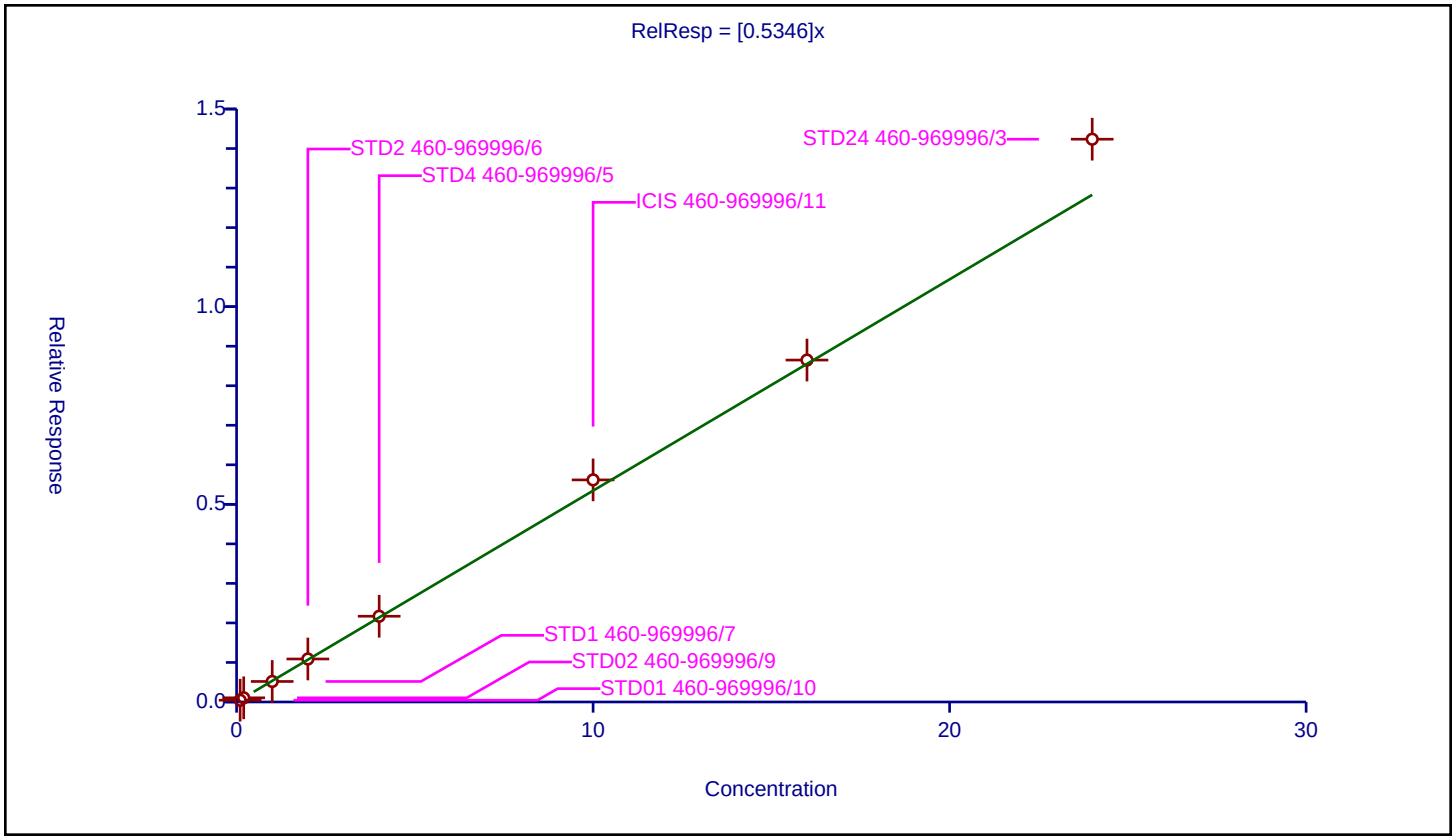
Curve Coefficients

Intercept:	0
Slope:	0.5346

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.044955	8.0	280278.0	0.449554	Y
2	STD02 460-969996/9	0.2	0.105252	8.0	252726.0	0.526262	Y
3	STD1 460-969996/7	1.0	0.51881	8.0	256140.0	0.51881	Y
4	STD2 460-969996/6	2.0	1.087713	8.0	247808.0	0.543857	Y
5	STD4 460-969996/5	4.0	2.169187	8.0	261178.0	0.542297	Y
6	ICIS 460-969996/11	10.0	5.618412	8.0	252141.0	0.561841	Y
7	STD16 460-969996/4	16.0	8.649911	8.0	269514.0	0.540619	Y
8	STD24 460-969996/3	24.0	14.236387	8.0	259431.0	0.593183	Y



Calibration / Nitrobenzene-d5

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

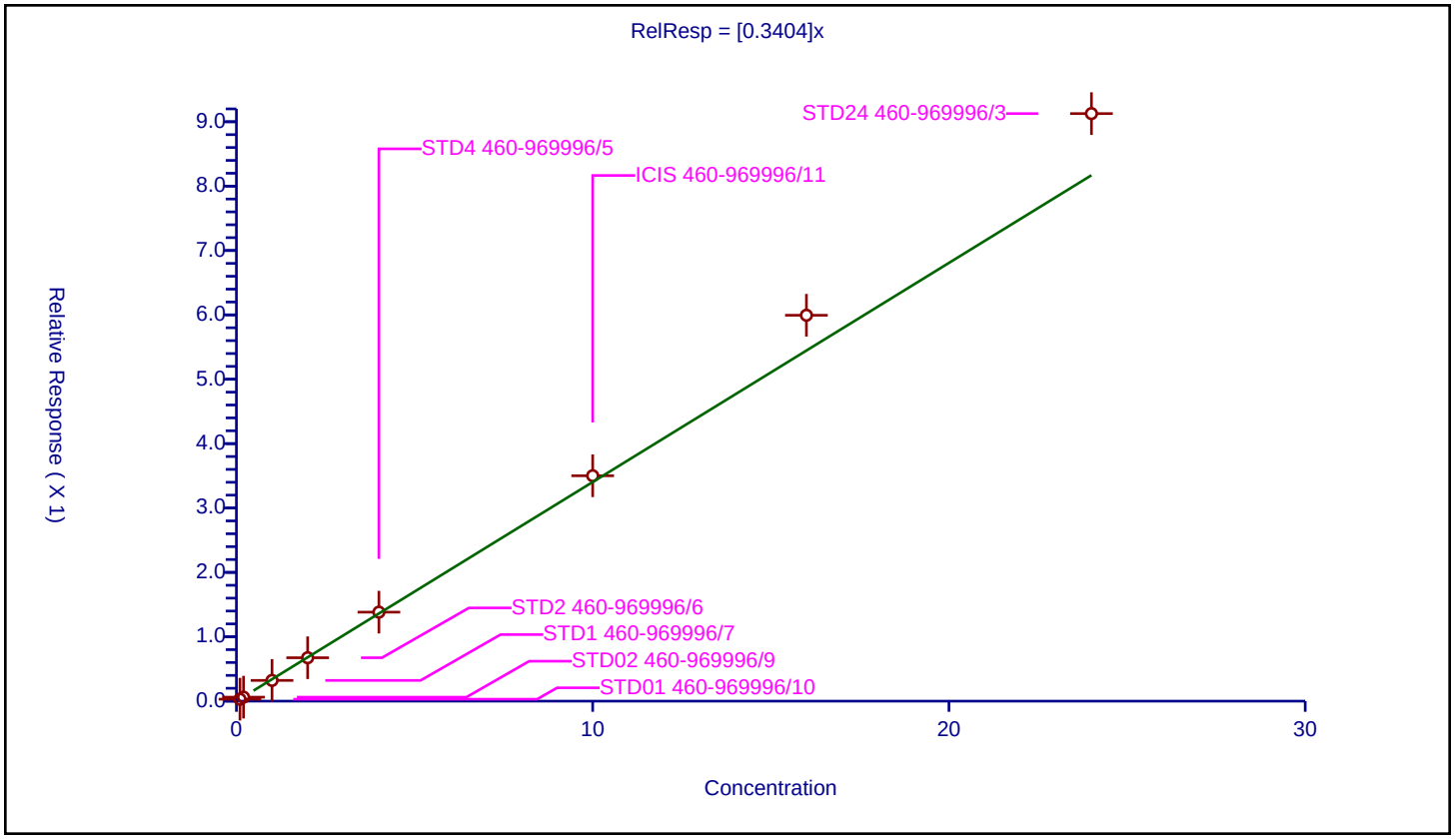
Curve Coefficients

Intercept:	0
Slope:	0.3404

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.0304	8.0	1124487.0	0.303996	Y
2	STD02 460-969996/9	0.2	0.061794	8.0	1011232.0	0.30897	Y
3	STD1 460-969996/7	1.0	0.322285	8.0	1050003.0	0.322285	Y
4	STD2 460-969996/6	2.0	0.674092	8.0	1004326.0	0.337046	Y
5	STD4 460-969996/5	4.0	1.382366	8.0	1052595.0	0.345592	Y
6	ICIS 460-969996/11	10.0	3.501357	8.0	1020962.0	0.350136	Y
7	STD16 460-969996/4	16.0	5.994495	8.0	1058969.0	0.374656	Y
8	STD24 460-969996/3	24.0	9.126852	8.0	1032831.0	0.380286	Y



Calibration / Nitrobenzene

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

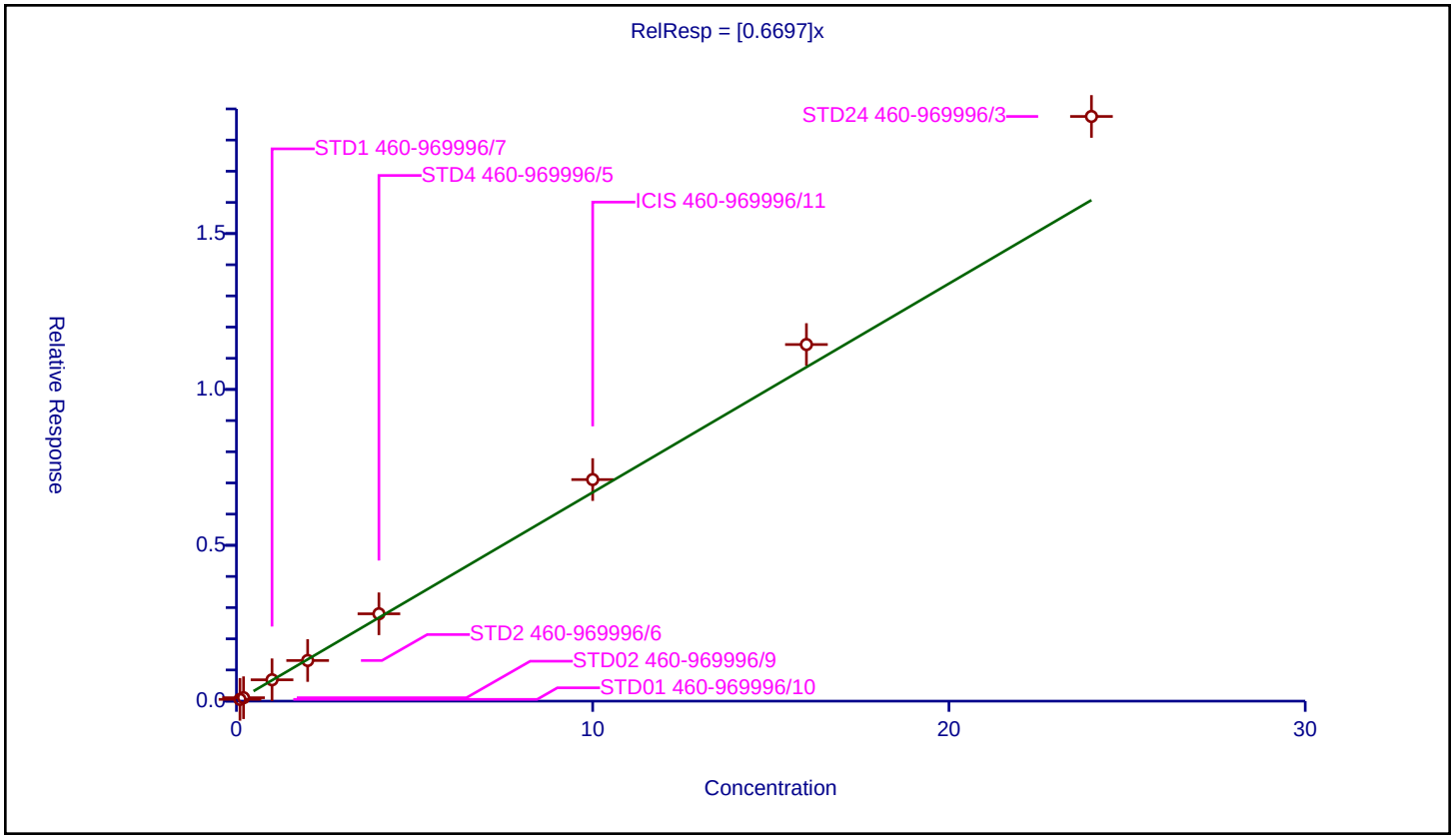
Curve Coefficients

Intercept:	0
Slope:	0.6697

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.056629	8.0	280278.0	0.566295	Y
2	STD02 460-969996/9	0.2	0.109494	8.0	252726.0	0.54747	Y
3	STD1 460-969996/7	1.0	0.684438	8.0	256140.0	0.684438	Y
4	STD2 460-969996/6	2.0	1.303493	8.0	247808.0	0.651747	Y
5	STD4 460-969996/5	4.0	2.802012	8.0	261178.0	0.700503	Y
6	ICIS 460-969996/11	10.0	7.107452	8.0	252141.0	0.710745	Y
7	STD16 460-969996/4	16.0	11.44086	8.0	269514.0	0.715054	Y
8	STD24 460-969996/3	24.0	18.756957	8.0	259431.0	0.78154	Y



Calibration / n,n'-Dimethylaniline

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

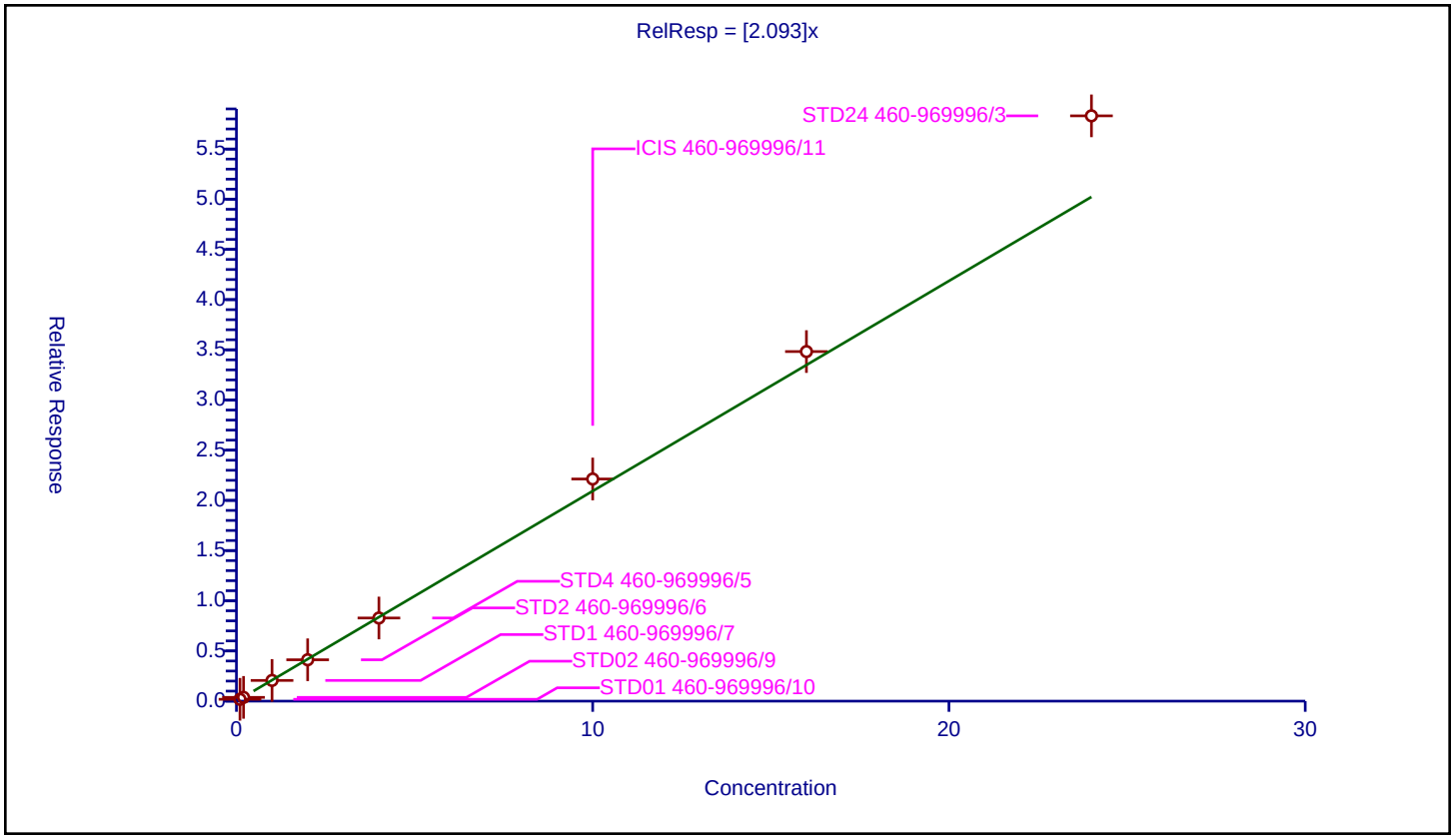
Curve Coefficients

Intercept:	0
Slope:	2.093

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.185701	8.0	280278.0	1.857013	Y
2	STD02 460-969996/9	0.2	0.374857	8.0	252726.0	1.874283	Y
3	STD1 460-969996/7	1.0	2.06206	8.0	256140.0	2.06206	Y
4	STD2 460-969996/6	2.0	4.121126	8.0	247808.0	2.060563	Y
5	STD4 460-969996/5	4.0	8.28131	8.0	261178.0	2.070328	Y
6	ICIS 460-969996/11	10.0	22.129967	8.0	252141.0	2.212997	Y
7	STD16 460-969996/4	16.0	34.824759	8.0	269514.0	2.176547	Y
8	STD24 460-969996/3	24.0	58.30856	8.0	259431.0	2.429523	Y



Calibration / Isophorone

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

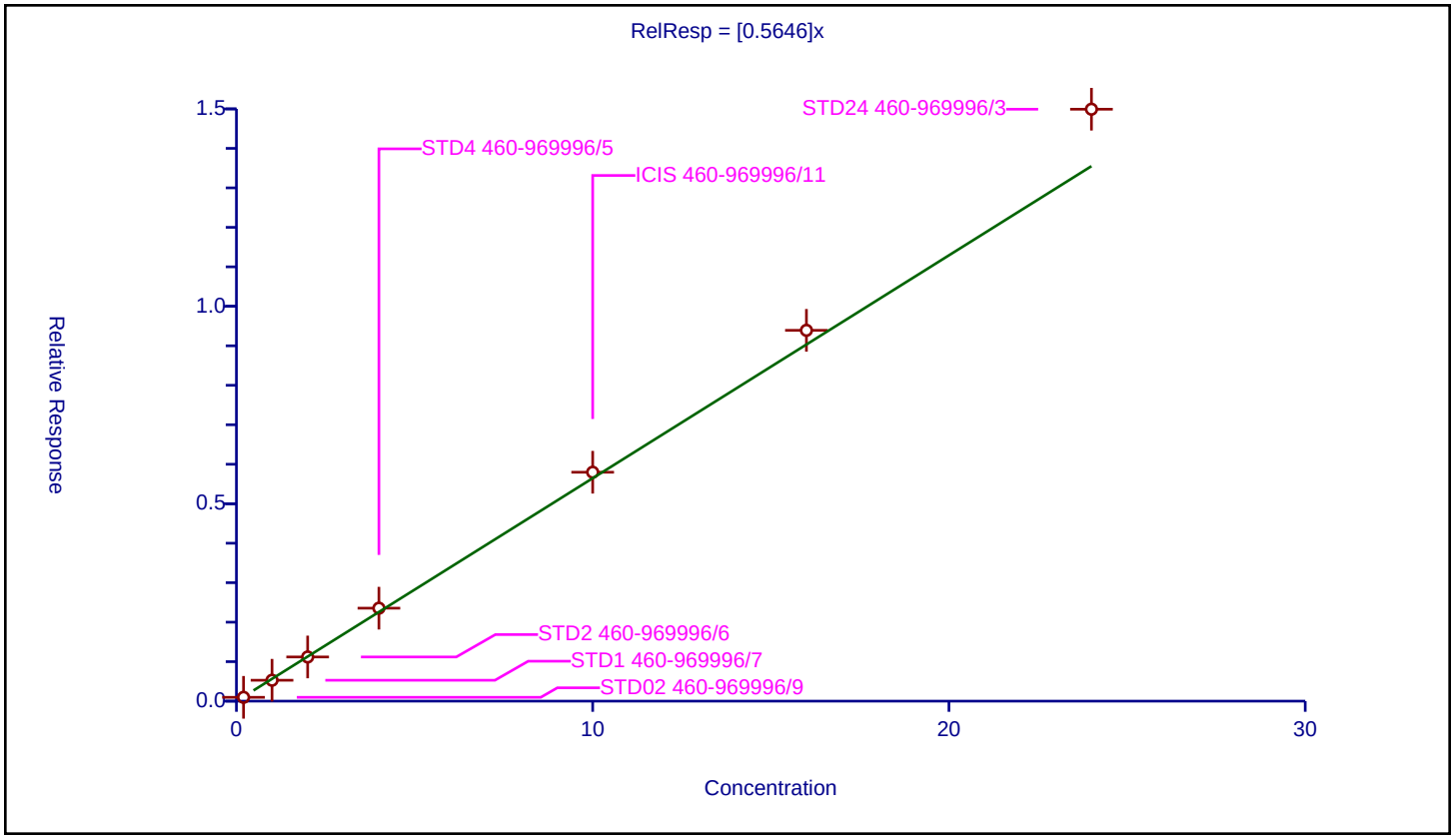
Curve Coefficients

Intercept:	0
Slope:	0.5646

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.09669	8.0	1011232.0	0.48345	Y
2	STD1 460-969996/7	1.0	0.529218	8.0	1050003.0	0.529218	Y
3	STD2 460-969996/6	2.0	1.118442	8.0	1004326.0	0.559221	Y
4	STD4 460-969996/5	4.0	2.354364	8.0	1052595.0	0.588591	Y
5	ICIS 460-969996/11	10.0	5.797763	8.0	1020962.0	0.579776	Y
6	STD16 460-969996/4	16.0	9.391761	8.0	1058969.0	0.586985	Y
7	STD24 460-969996/3	24.0	14.991796	8.0	1032831.0	0.624658	Y



Calibration / 2-Nitrophenol

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

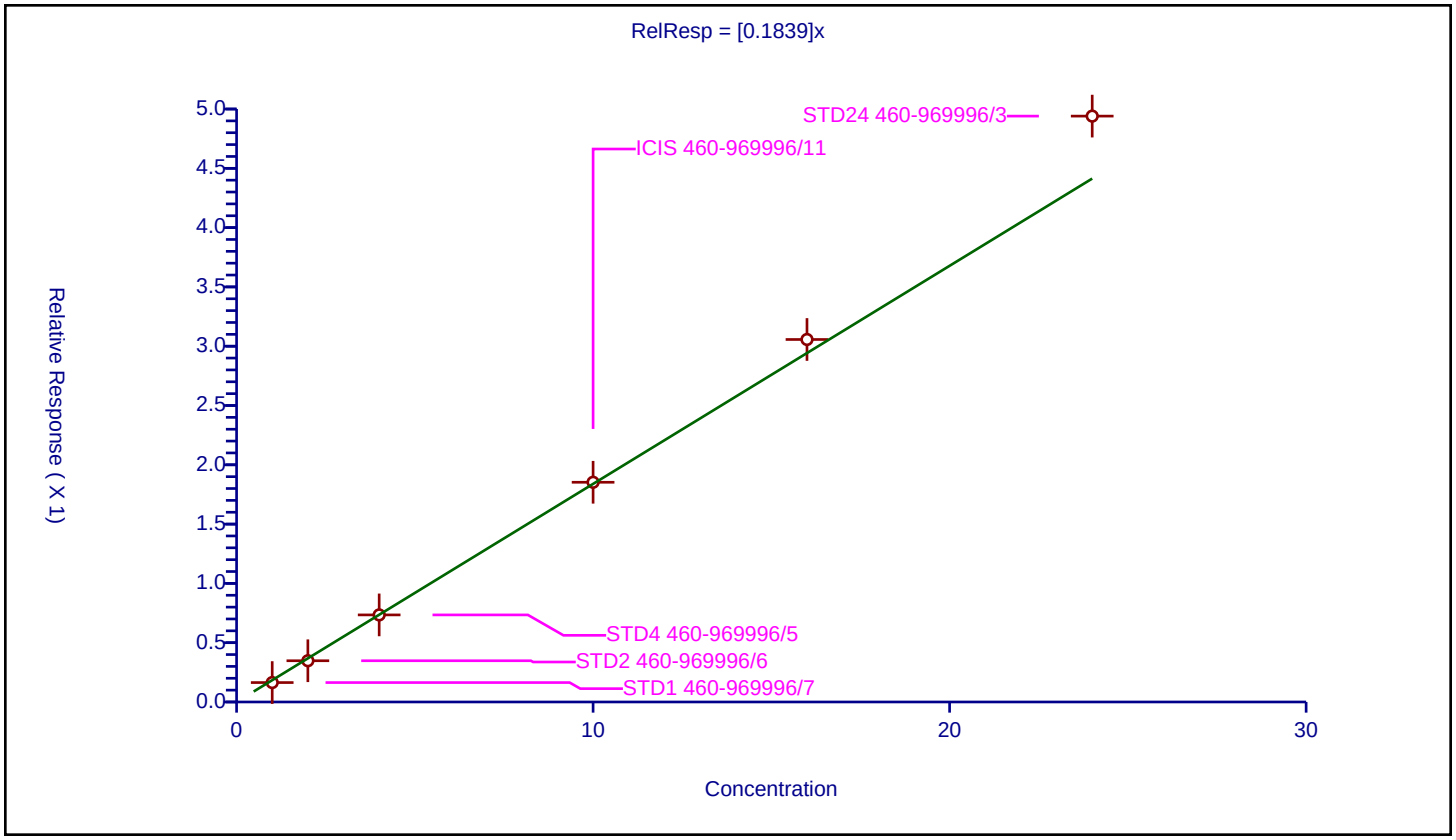
Curve Coefficients

Intercept:	0
Slope:	0.1839

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.163794	8.0	1050003.0	0.163794	Y
2	STD2 460-969996/6	2.0	0.347688	8.0	1004326.0	0.173844	Y
3	STD4 460-969996/5	4.0	0.734239	8.0	1052595.0	0.18356	Y
4	ICIS 460-969996/11	10.0	1.852723	8.0	1020962.0	0.185272	Y
5	STD16 460-969996/4	16.0	3.056603	8.0	1058969.0	0.191038	Y
6	STD24 460-969996/3	24.0	4.940115	8.0	1032831.0	0.205838	Y



Calibration / 2,4-Dimethylphenol

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

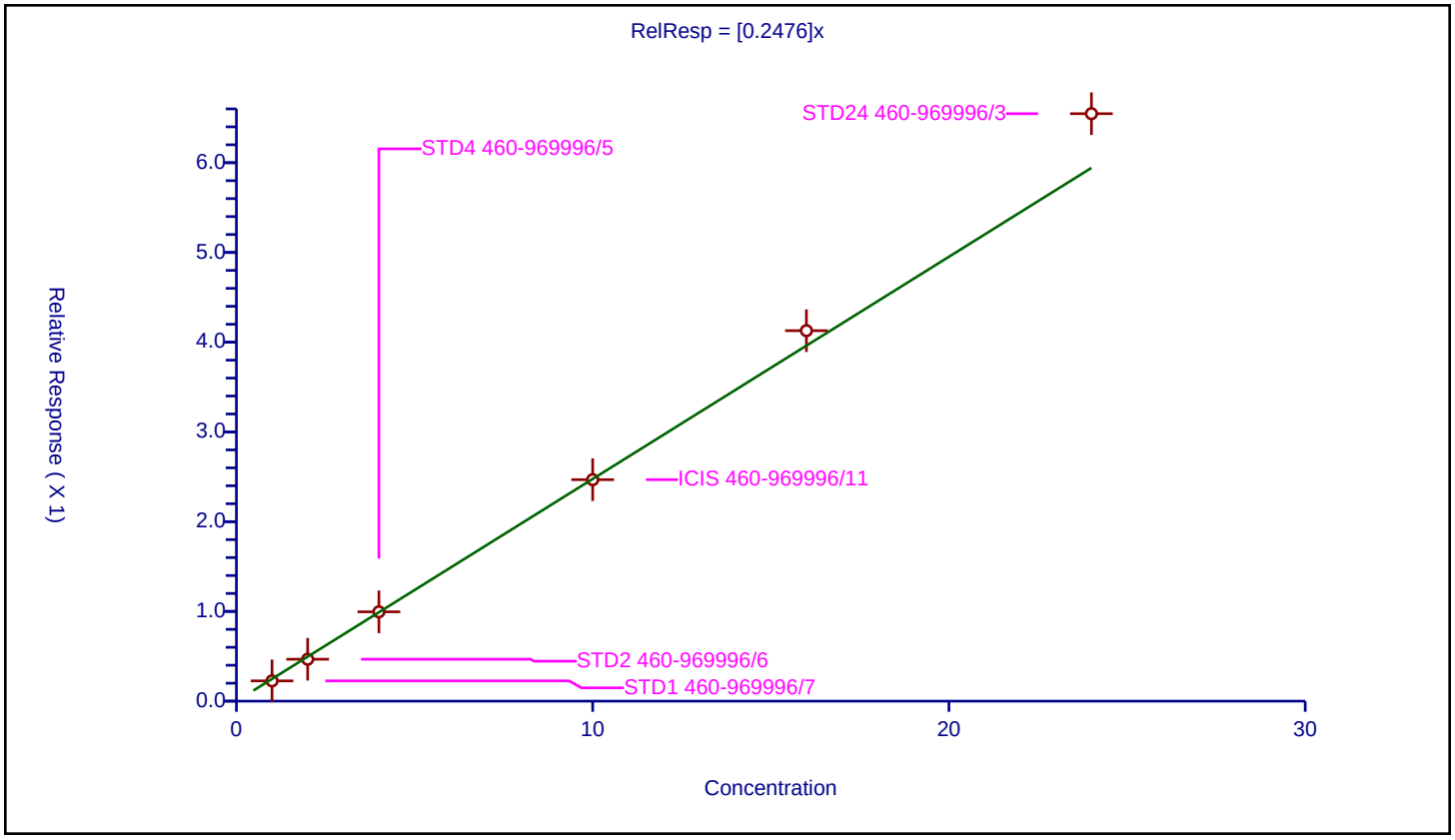
Curve Coefficients

Intercept:	0
Slope:	0.2476

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.225599	8.0	1050003.0	0.225599	Y
2	STD2 460-969996/6	2.0	0.467075	8.0	1004326.0	0.233538	Y
3	STD4 460-969996/5	4.0	0.99549	8.0	1052595.0	0.248873	Y
4	ICIS 460-969996/11	10.0	2.468057	8.0	1020962.0	0.246806	Y
5	STD16 460-969996/4	16.0	4.128597	8.0	1058969.0	0.258037	Y
6	STD24 460-969996/3	24.0	6.546597	8.0	1032831.0	0.272775	Y



Calibration / Benzoic acid

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

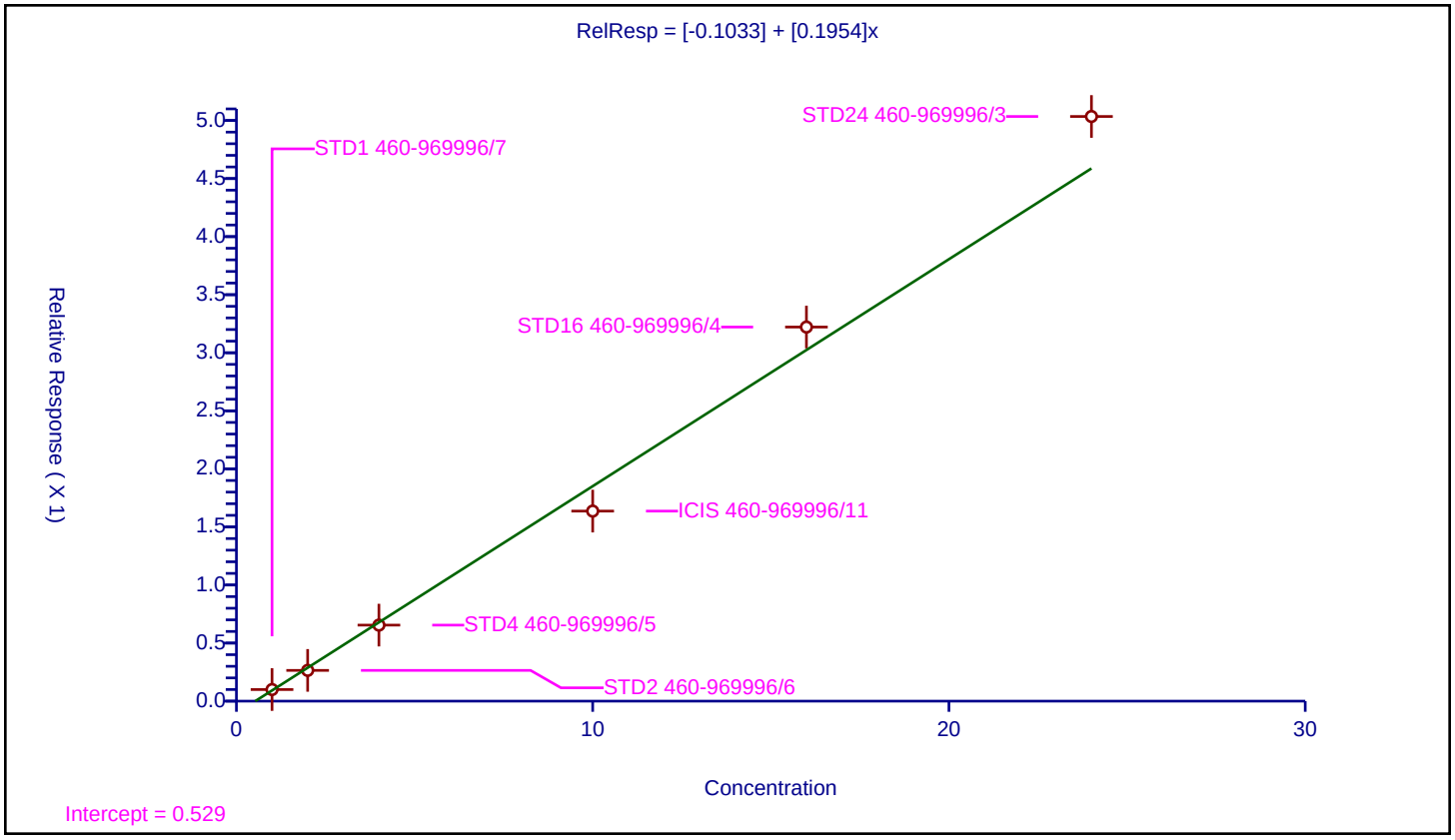
Curve Coefficients

Intercept:	-0.1033
Slope:	0.1954

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.099863	8.0	1050003.0	0.099863	Y
2	STD2 460-969996/6	2.0	0.264783	8.0	1004326.0	0.132391	Y
3	STD4 460-969996/5	4.0	0.654634	8.0	1052595.0	0.163658	Y
4	ICIS 460-969996/11	10.0	1.636551	8.0	1020962.0	0.163655	Y
5	STD16 460-969996/4	16.0	3.221284	8.0	1058969.0	0.20133	Y
6	STD24 460-969996/3	24.0	5.034589	8.0	1032831.0	0.209775	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

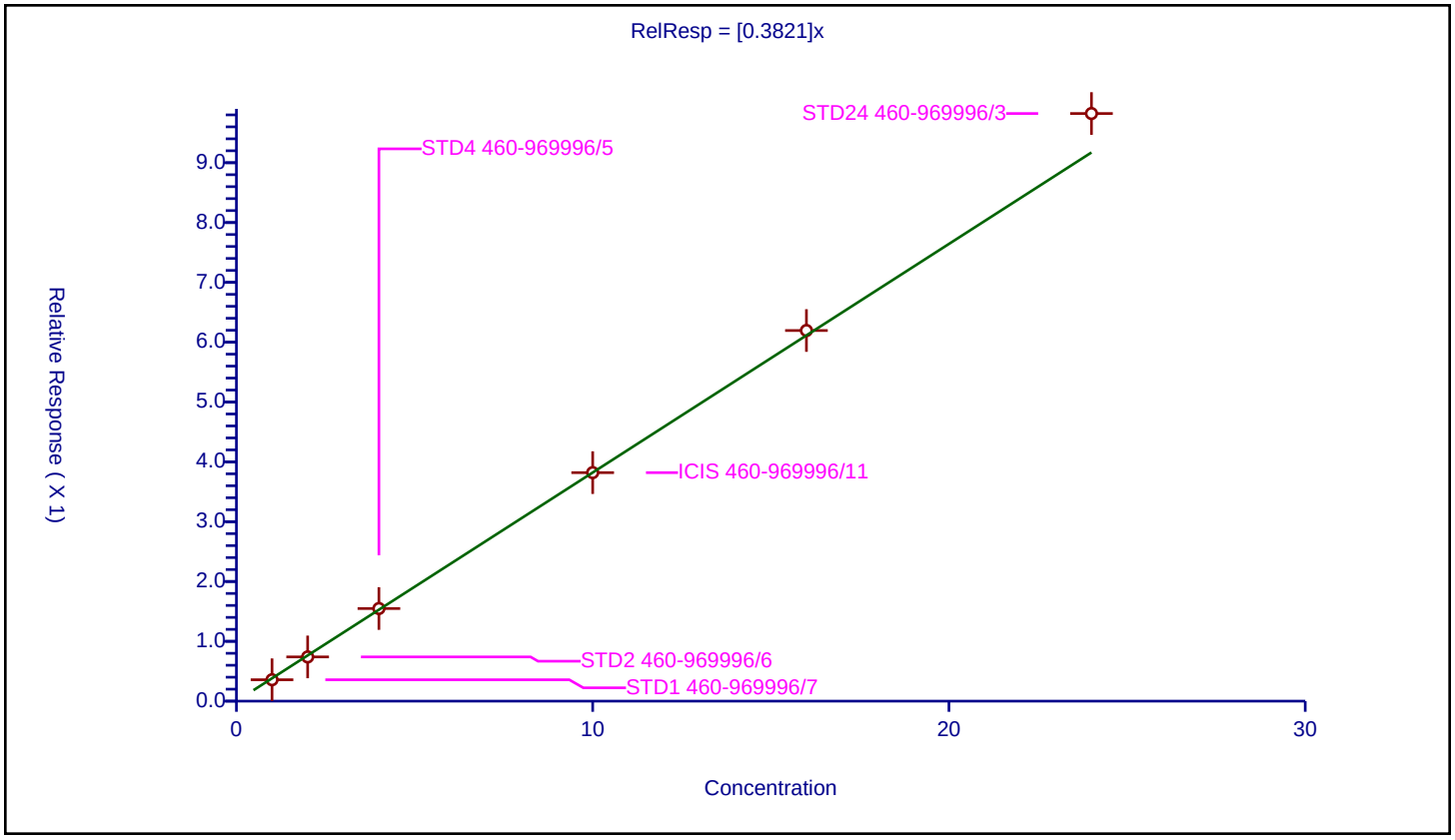
Curve Coefficients

Intercept:	0
Slope:	0.3821

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.357774	8.0	1050003.0	0.357774	Y
2	STD2 460-969996/6	2.0	0.739075	8.0	1004326.0	0.369537	Y
3	STD4 460-969996/5	4.0	1.548212	8.0	1052595.0	0.387053	Y
4	ICIS 460-969996/11	10.0	3.819543	8.0	1020962.0	0.381954	Y
5	STD16 460-969996/4	16.0	6.195558	8.0	1058969.0	0.387222	Y
6	STD24 460-969996/3	24.0	9.822354	8.0	1032831.0	0.409265	Y



Calibration / 2,4-Dichlorophenol

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

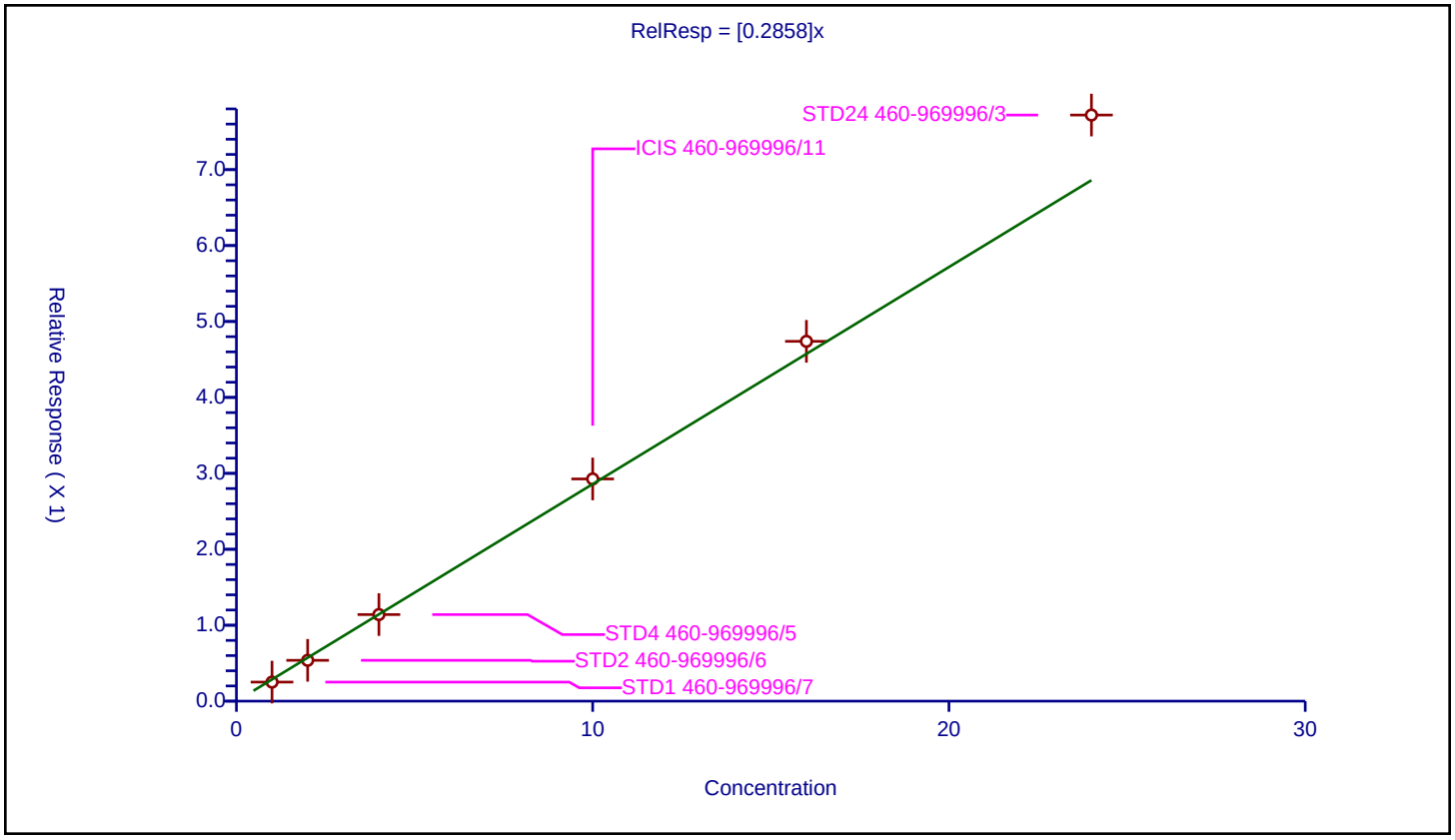
Curve Coefficients

Intercept:	0
Slope:	0.2858

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.250849	8.0	1050003.0	0.250849	Y
2	STD2 460-969996/6	2.0	0.53757	8.0	1004326.0	0.268785	Y
3	STD4 460-969996/5	4.0	1.140078	8.0	1052595.0	0.285019	Y
4	ICIS 460-969996/11	10.0	2.926448	8.0	1020962.0	0.292645	Y
5	STD16 460-969996/4	16.0	4.73873	8.0	1058969.0	0.296171	Y
6	STD24 460-969996/3	24.0	7.718847	8.0	1032831.0	0.321619	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

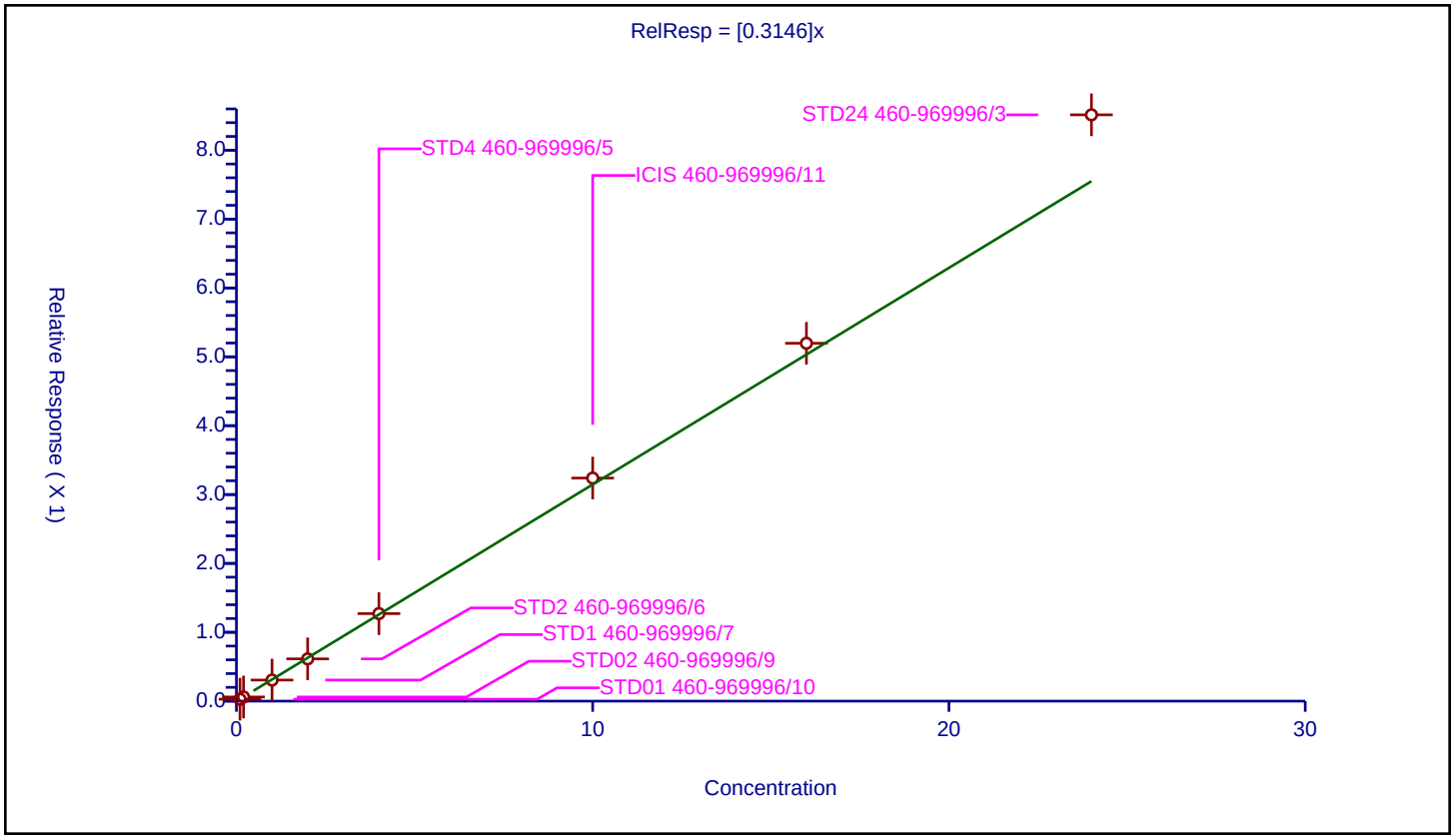
Curve Coefficients

Intercept:	0
Slope:	0.3146

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.02813	8.0	1124487.0	0.281302	Y
2	STD02 460-969996/9	0.2	0.060275	8.0	1011232.0	0.301375	Y
3	STD1 460-969996/7	1.0	0.305972	8.0	1050003.0	0.305972	Y
4	STD2 460-969996/6	2.0	0.61353	8.0	1004326.0	0.306765	Y
5	STD4 460-969996/5	4.0	1.271076	8.0	1052595.0	0.317769	Y
6	ICIS 460-969996/11	10.0	3.239188	8.0	1020962.0	0.323919	Y
7	STD16 460-969996/4	16.0	5.196571	8.0	1058969.0	0.324786	Y
8	STD24 460-969996/3	24.0	8.513757	8.0	1032831.0	0.35474	Y



Calibration / Naphthalene

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

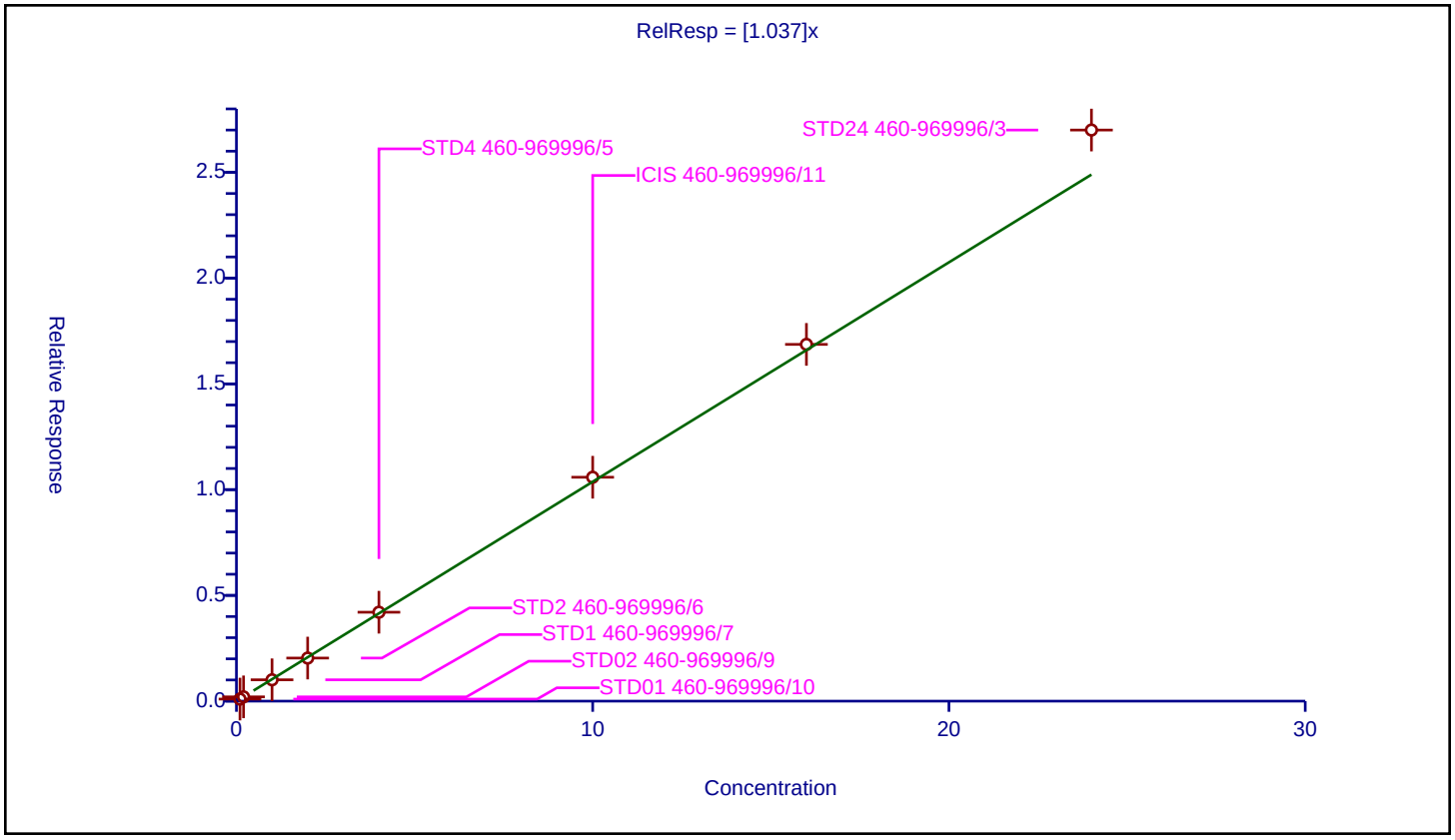
Curve Coefficients

Intercept:	0
Slope:	1.037

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.097467	8.0	1124487.0	0.974667	Y
2	STD02 460-969996/9	0.2	0.201513	8.0	1011232.0	1.007563	Y
3	STD1 460-969996/7	1.0	1.009026	8.0	1050003.0	1.009026	Y
4	STD2 460-969996/6	2.0	2.03663	8.0	1004326.0	1.018315	Y
5	STD4 460-969996/5	4.0	4.203235	8.0	1052595.0	1.050809	Y
6	ICIS 460-969996/11	10.0	10.585264	8.0	1020962.0	1.058526	Y
7	STD16 460-969996/4	16.0	16.86605	8.0	1058969.0	1.054128	Y
8	STD24 460-969996/3	24.0	27.000274	8.0	1032831.0	1.125011	Y



Calibration / 4-Chloroaniline

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

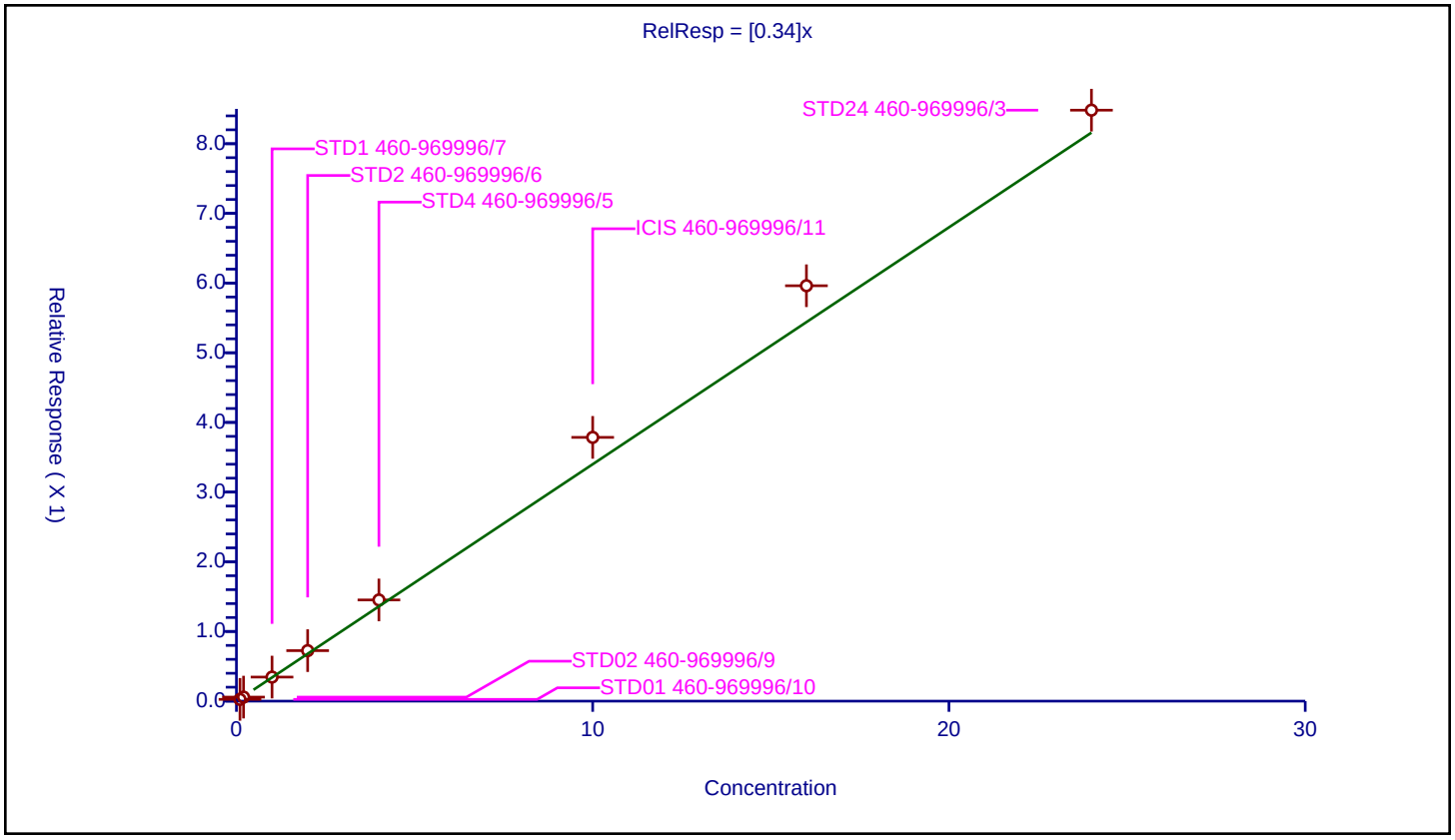
Curve Coefficients

Intercept:	0
Slope:	0.34

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.025391	8.0	1124487.0	0.253911	Y
2	STD02 460-969996/9	0.2	0.058084	8.0	1011232.0	0.290418	Y
3	STD1 460-969996/7	1.0	0.345431	8.0	1050003.0	0.345431	Y
4	STD2 460-969996/6	2.0	0.724904	8.0	1004326.0	0.362452	Y
5	STD4 460-969996/5	4.0	1.452198	8.0	1052595.0	0.363049	Y
6	ICIS 460-969996/11	10.0	3.785645	8.0	1020962.0	0.378565	Y
7	STD16 460-969996/4	16.0	5.961972	8.0	1058969.0	0.372623	Y
8	STD24 460-969996/3	24.0	8.481682	8.0	1032831.0	0.353403	Y



Calibration / 2,6-Dichlorophenol

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

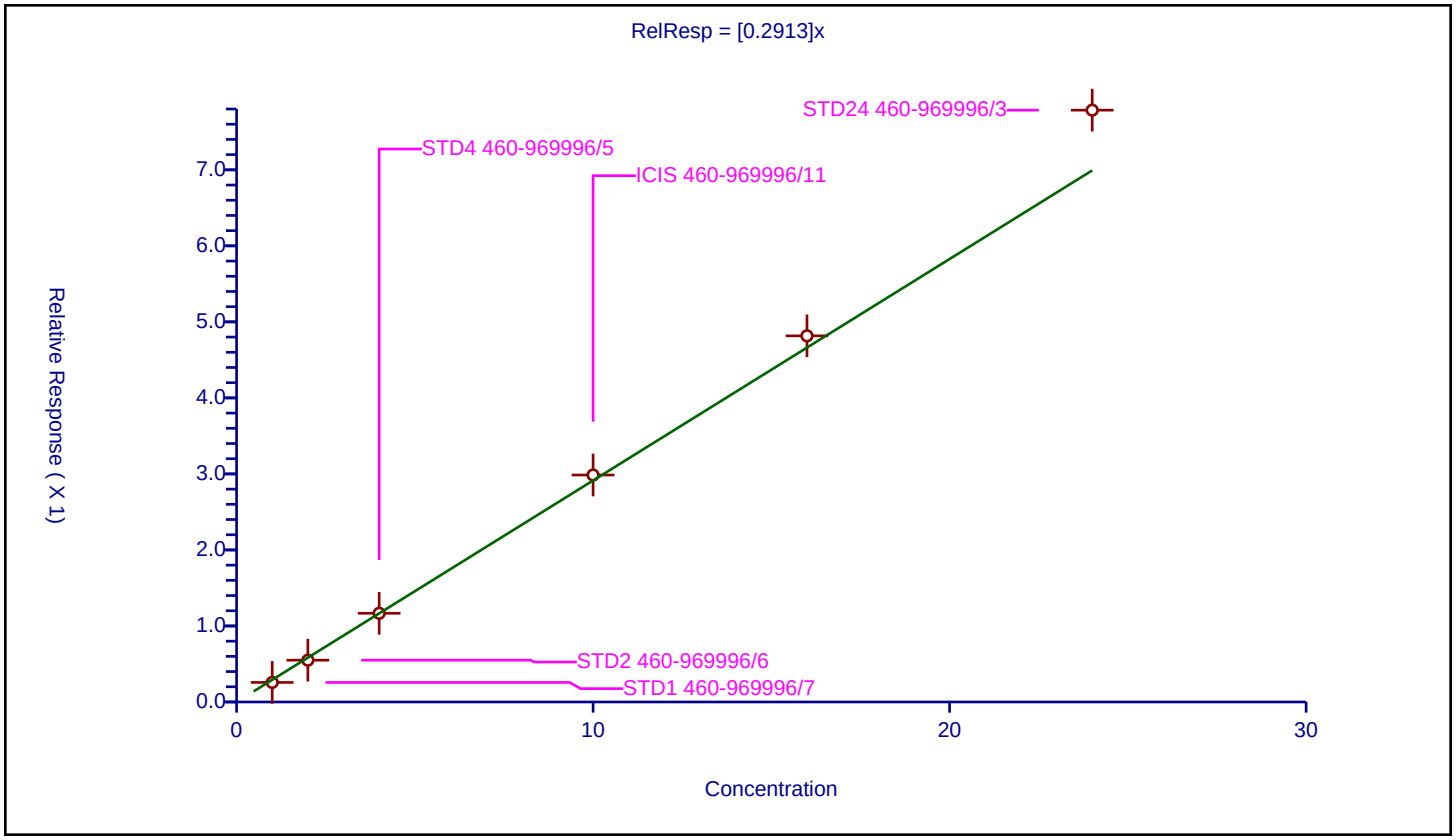
Curve Coefficients

Intercept:	0
Slope:	0.2913

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.257394	8.0	1050003.0	0.257394	Y
2	STD2 460-969996/6	2.0	0.549997	8.0	1004326.0	0.274998	Y
3	STD4 460-969996/5	4.0	1.166945	8.0	1052595.0	0.291736	Y
4	ICIS 460-969996/11	10.0	2.985474	8.0	1020962.0	0.298547	Y
5	STD16 460-969996/4	16.0	4.816307	8.0	1058969.0	0.301019	Y
6	STD24 460-969996/3	24.0	7.785026	8.0	1032831.0	0.324376	Y



Calibration / Hexachlorobutadiene

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

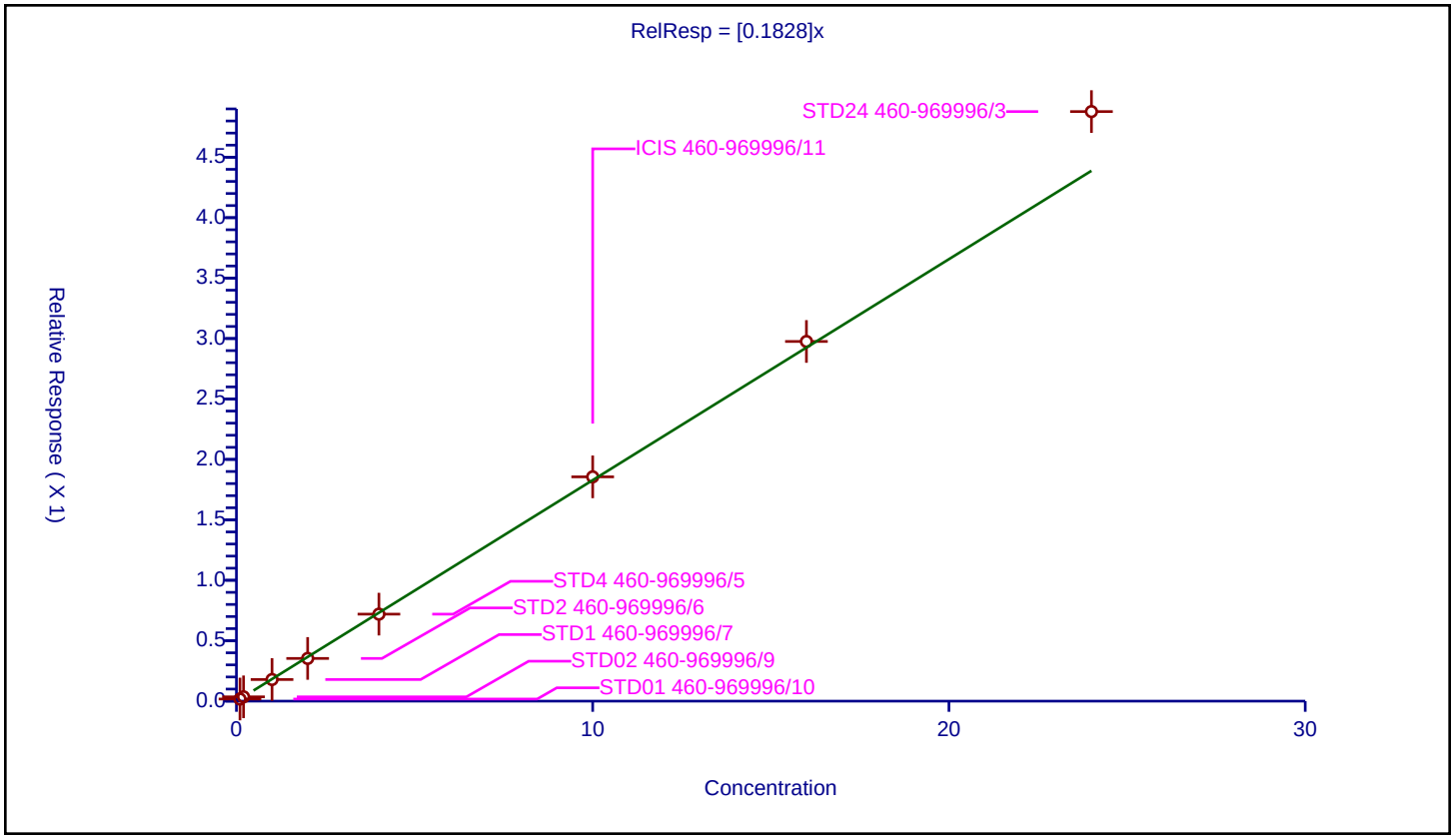
Curve Coefficients

Intercept:	0
Slope:	0.1828

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.017416	8.0	1124487.0	0.174159	Y
2	STD02 460-969996/9	0.2	0.035624	8.0	1011232.0	0.178119	Y
3	STD1 460-969996/7	1.0	0.178887	8.0	1050003.0	0.178887	Y
4	STD2 460-969996/6	2.0	0.353407	8.0	1004326.0	0.176704	Y
5	STD4 460-969996/5	4.0	0.719867	8.0	1052595.0	0.179967	Y
6	ICIS 460-969996/11	10.0	1.855669	8.0	1020962.0	0.185567	Y
7	STD16 460-969996/4	16.0	2.975823	8.0	1058969.0	0.185989	Y
8	STD24 460-969996/3	24.0	4.877824	8.0	1032831.0	0.203243	Y



Calibration / Caprolactam

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

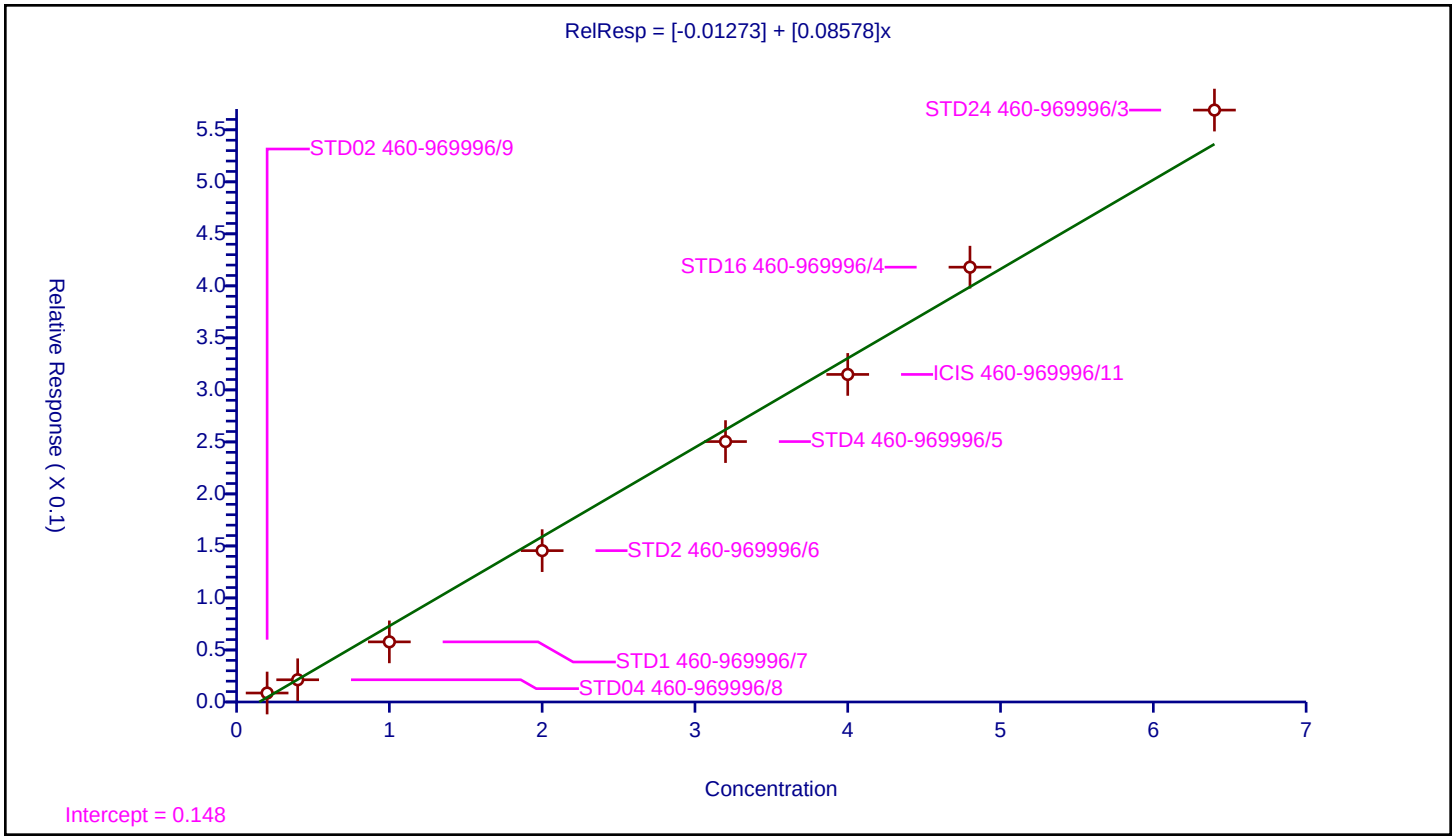
Curve Coefficients

Intercept:	-0.01273
Slope:	0.08578

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.008615	8.0	1011232.0	0.043076	Y
2	STD04 460-969996/8	0.4	0.021353	8.0	1074877.0	0.053383	Y
3	STD1 460-969996/7	1.0	0.05779	8.0	1050003.0	0.05779	Y
4	STD2 460-969996/6	2.0	0.145475	8.0	1004326.0	0.072737	Y
5	STD4 460-969996/5	3.2	0.250315	8.0	1052595.0	0.078223	Y
6	ICIS 460-969996/11	4.0	0.314864	8.0	1020962.0	0.078716	Y
7	STD16 460-969996/4	4.8	0.417976	8.0	1058969.0	0.087078	Y
8	STD24 460-969996/3	6.4	0.568984	8.0	1032831.0	0.088904	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

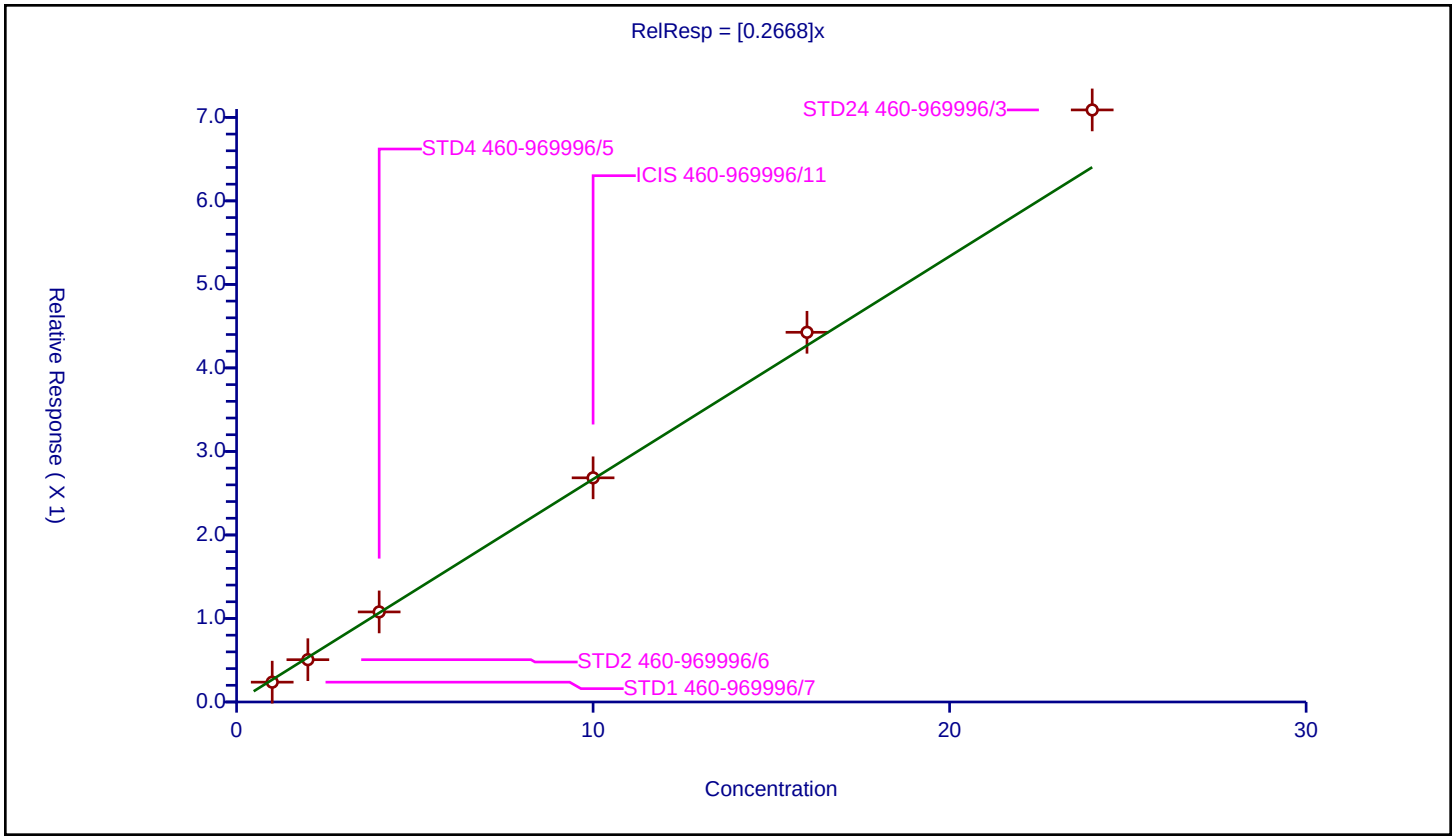
Curve Coefficients

Intercept:	0
Slope:	0.2668

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.237409	8.0	1050003.0	0.237409	Y
2	STD2 460-969996/6	2.0	0.506672	8.0	1004326.0	0.253336	Y
3	STD4 460-969996/5	4.0	1.078341	8.0	1052595.0	0.269585	Y
4	ICIS 460-969996/11	10.0	2.684057	8.0	1020962.0	0.268406	Y
5	STD16 460-969996/4	16.0	4.426441	8.0	1058969.0	0.276653	Y
6	STD24 460-969996/3	24.0	7.088982	8.0	1032831.0	0.295374	Y



Calibration / 2-Methylnaphthalene

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

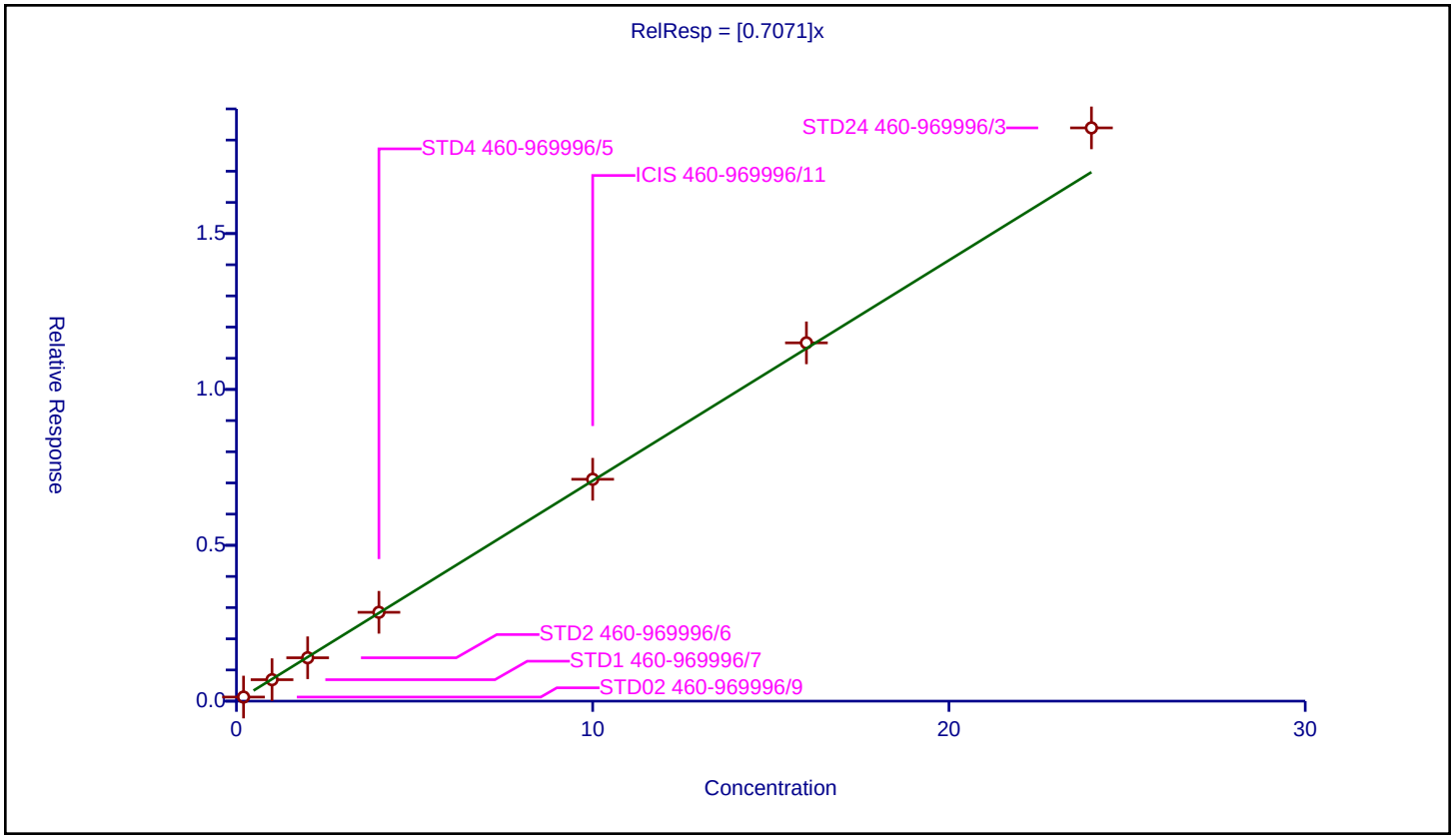
Curve Coefficients

Intercept:	0
Slope:	0.7071

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.131515	8.0	1011232.0	0.657574	Y
2	STD1 460-969996/7	1.0	0.687853	8.0	1050003.0	0.687853	Y
3	STD2 460-969996/6	2.0	1.391086	8.0	1004326.0	0.695543	Y
4	STD4 460-969996/5	4.0	2.850228	8.0	1052595.0	0.712557	Y
5	ICIS 460-969996/11	10.0	7.118087	8.0	1020962.0	0.711809	Y
6	STD16 460-969996/4	16.0	11.494735	8.0	1058969.0	0.718421	Y
7	STD24 460-969996/3	24.0	18.390649	8.0	1032831.0	0.766277	Y



Calibration / 1-Methylnaphthalene

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

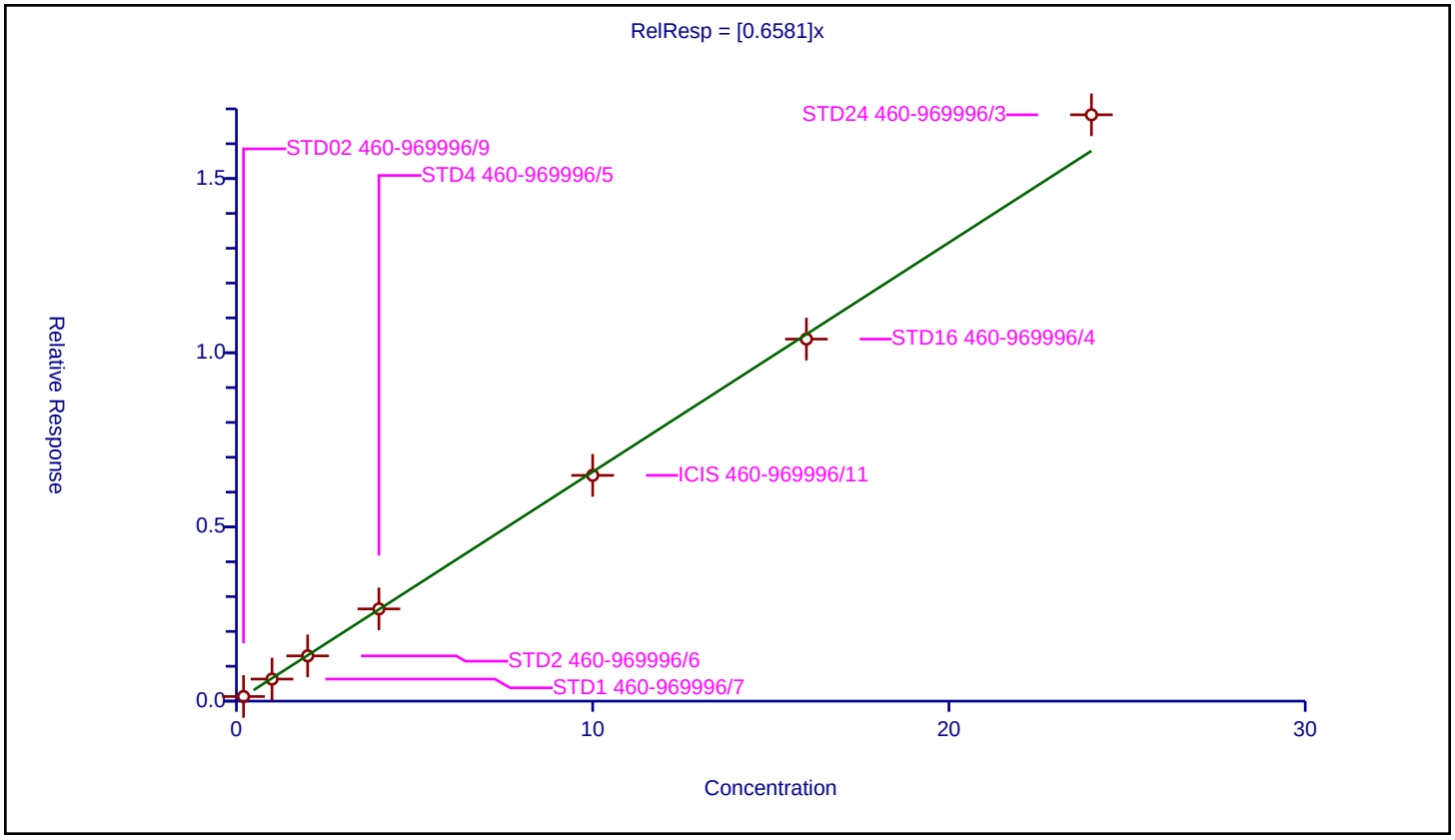
Curve Coefficients

Intercept:	0
Slope:	0.6581

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.13267	8.0	1011232.0	0.663349	Y
2	STD1 460-969996/7	1.0	0.633149	8.0	1050003.0	0.633149	Y
3	STD2 460-969996/6	2.0	1.299323	8.0	1004326.0	0.649662	Y
4	STD4 460-969996/5	4.0	2.647263	8.0	1052595.0	0.661816	Y
5	ICIS 460-969996/11	10.0	6.481072	8.0	1020962.0	0.648107	Y
6	STD16 460-969996/4	16.0	10.392659	8.0	1058969.0	0.649541	Y
7	STD24 460-969996/3	24.0	16.830223	8.0	1032831.0	0.701259	Y



Calibration / Hexachlorocyclopentadiene

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

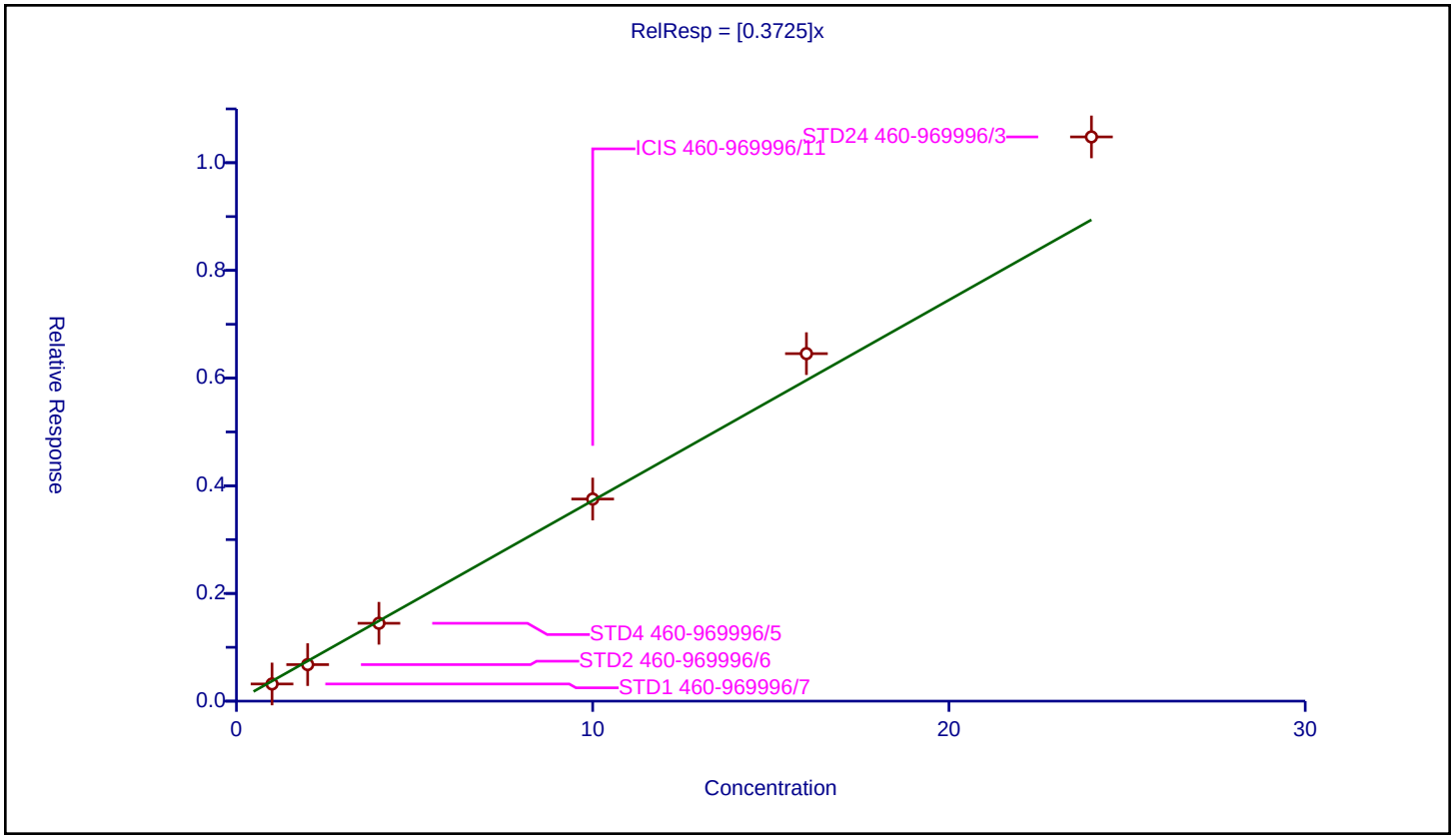
Curve Coefficients

Intercept:	0
Slope:	0.3725

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.318806	8.0	604480.0	0.318806	Y
2	STD2 460-969996/6	2.0	0.678328	8.0	575144.0	0.339164	Y
3	STD4 460-969996/5	4.0	1.446298	8.0	595916.0	0.361574	Y
4	ICIS 460-969996/11	10.0	3.754089	8.0	556298.0	0.375409	Y
5	STD16 460-969996/4	16.0	6.454557	8.0	574137.0	0.40341	Y
6	STD24 460-969996/3	24.0	10.479783	8.0	570521.0	0.436658	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

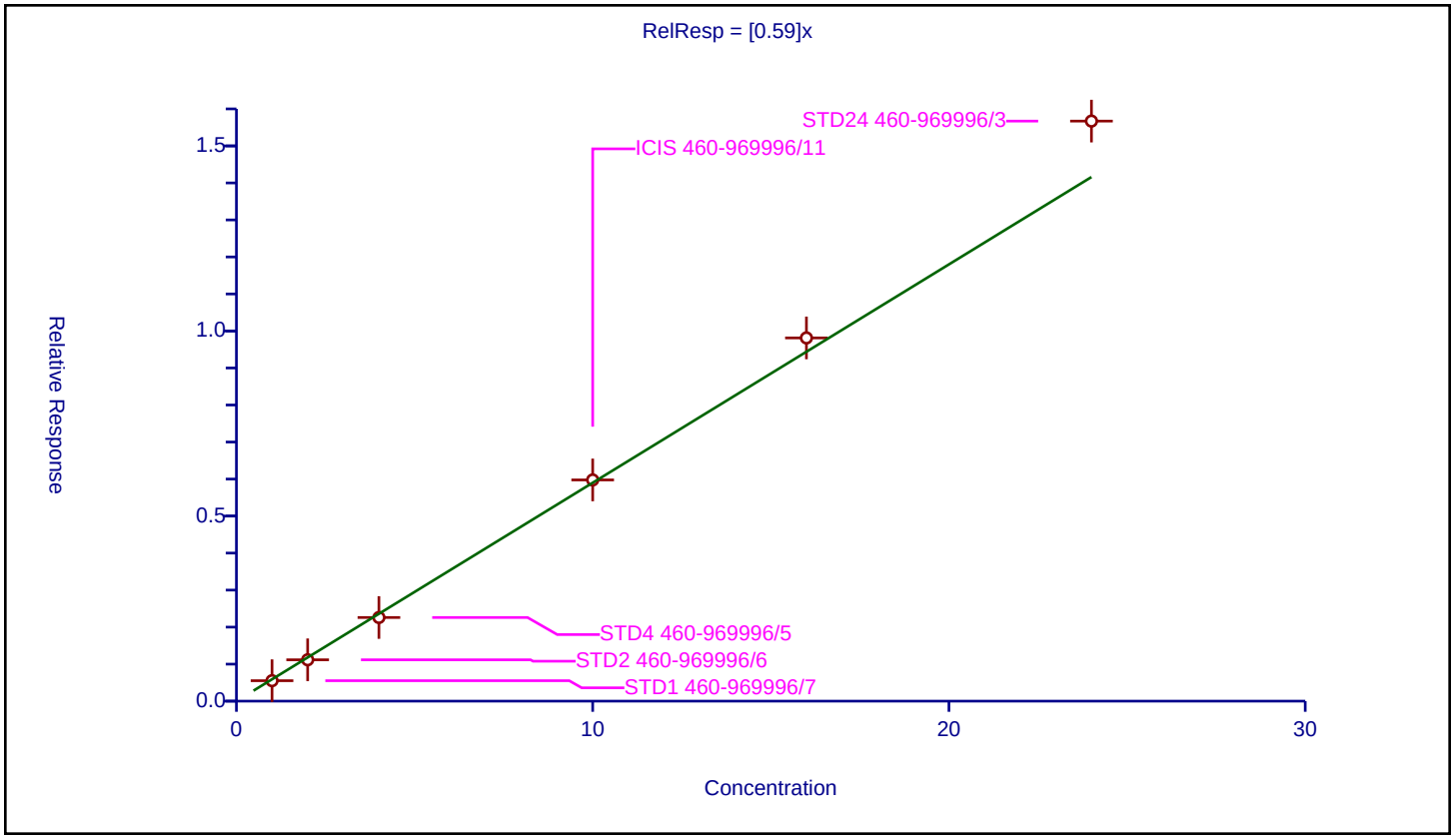
Curve Coefficients

Intercept:	0
Slope:	0.59

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.552581	8.0	604480.0	0.552581	Y
2	STD2 460-969996/6	2.0	1.116938	8.0	575144.0	0.558469	Y
3	STD4 460-969996/5	4.0	2.259352	8.0	595916.0	0.564838	Y
4	ICIS 460-969996/11	10.0	5.976121	8.0	556298.0	0.597612	Y
5	STD16 460-969996/4	16.0	9.812891	8.0	574137.0	0.613306	Y
6	STD24 460-969996/3	24.0	15.67021	8.0	570521.0	0.652925	Y



Calibration / 2-tertbutyl-4-methylphenol

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

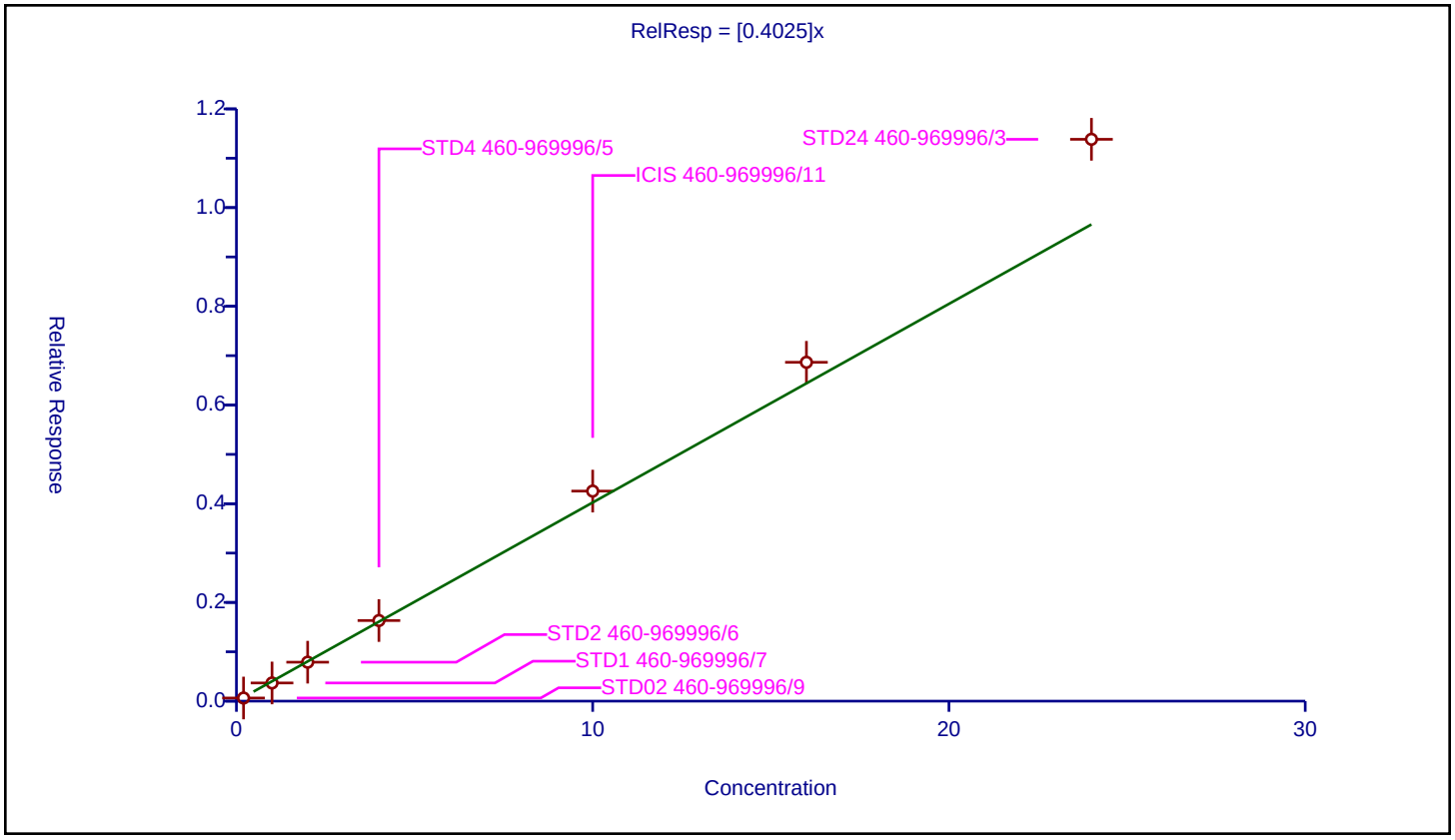
Curve Coefficients

Intercept:	0
Slope:	0.4025

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.063384	8.0	1011232.0	0.31692	Y
2	STD1 460-969996/7	1.0	0.368487	8.0	1050003.0	0.368487	Y
3	STD2 460-969996/6	2.0	0.788987	8.0	1004326.0	0.394493	Y
4	STD4 460-969996/5	4.0	1.633054	8.0	1052595.0	0.408263	Y
5	ICIS 460-969996/11	10.0	4.255829	8.0	1020962.0	0.425583	Y
6	STD16 460-969996/4	16.0	6.865923	8.0	1058969.0	0.42912	Y
7	STD24 460-969996/3	24.0	11.383717	8.0	1032831.0	0.474322	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

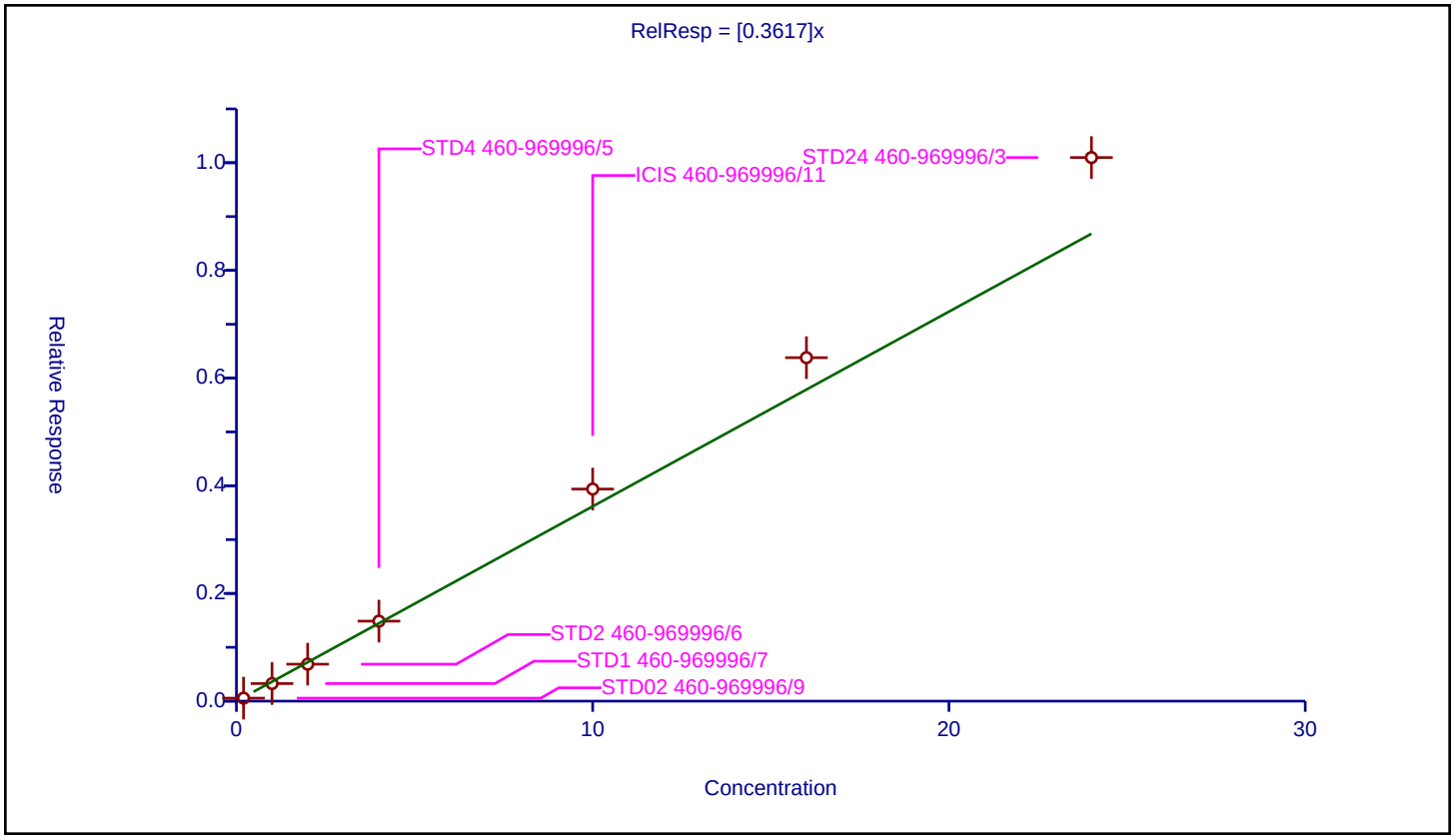
Curve Coefficients

Intercept:	0
Slope:	0.3617

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.055519	8.0	584589.0	0.277597	Y
2	STD1 460-969996/7	1.0	0.32635	8.0	604480.0	0.32635	Y
3	STD2 460-969996/6	2.0	0.686339	8.0	575144.0	0.34317	Y
4	STD4 460-969996/5	4.0	1.485981	8.0	595916.0	0.371495	Y
5	ICIS 460-969996/11	10.0	3.939069	8.0	556298.0	0.393907	Y
6	STD16 460-969996/4	16.0	6.379133	8.0	574137.0	0.398696	Y
7	STD24 460-969996/3	24.0	10.096245	8.0	570521.0	0.420677	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

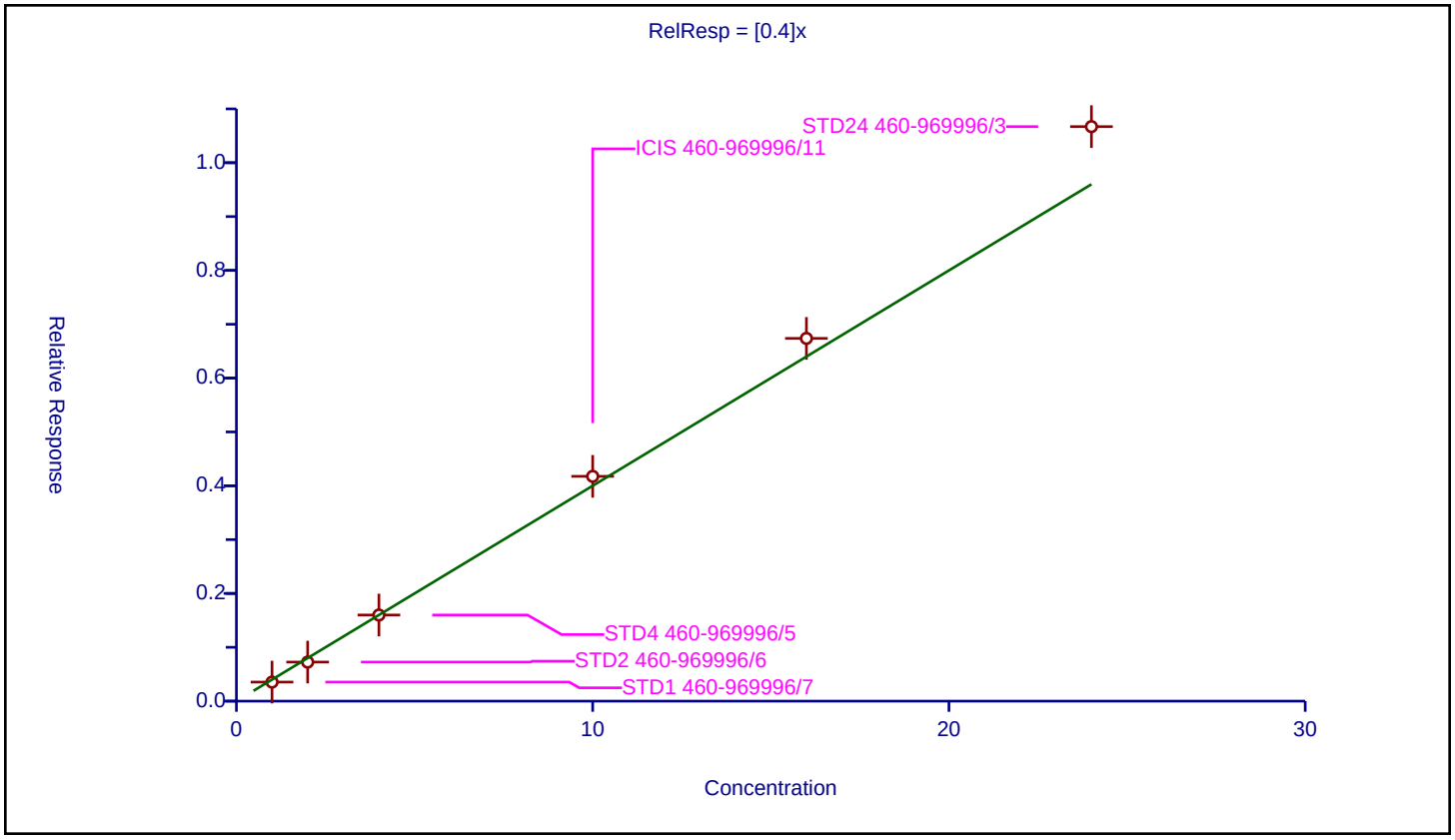
Curve Coefficients

Intercept:	0
Slope:	0.4

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.35401	8.0	604480.0	0.35401	Y
2	STD2 460-969996/6	2.0	0.725397	8.0	575144.0	0.362699	Y
3	STD4 460-969996/5	4.0	1.599742	8.0	595916.0	0.399936	Y
4	ICIS 460-969996/11	10.0	4.175374	8.0	556298.0	0.417537	Y
5	STD16 460-969996/4	16.0	6.737347	8.0	574137.0	0.421084	Y
6	STD24 460-969996/3	24.0	10.67071	8.0	570521.0	0.444613	Y



Calibration / 2-Fluorobiphenyl

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

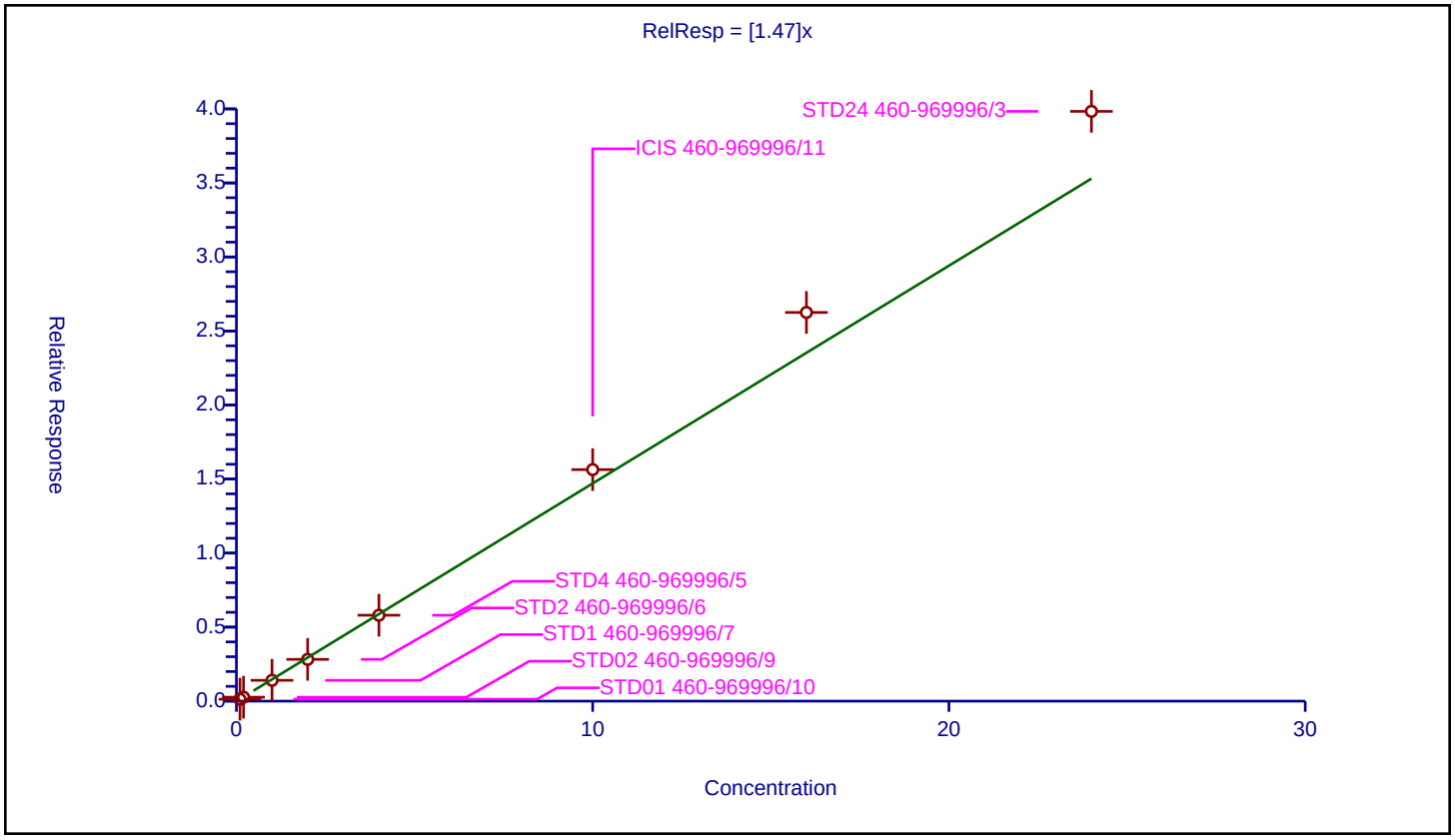
Curve Coefficients

Intercept:	0
Slope:	1.47

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.130736	8.0	640191.0	1.30736	Y
2	STD02 460-969996/9	0.2	0.264829	8.0	584589.0	1.324144	Y
3	STD1 460-969996/7	1.0	1.406419	8.0	604480.0	1.406419	Y
4	STD2 460-969996/6	2.0	2.821846	8.0	575144.0	1.410923	Y
5	STD4 460-969996/5	4.0	5.80173	8.0	595916.0	1.450433	Y
6	ICIS 460-969996/11	10.0	15.636468	8.0	556298.0	1.563647	Y
7	STD16 460-969996/4	16.0	26.251128	8.0	574137.0	1.640696	Y
8	STD24 460-969996/3	24.0	39.834986	8.0	570521.0	1.659791	Y



Calibration / 1,1'-Biphenyl

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

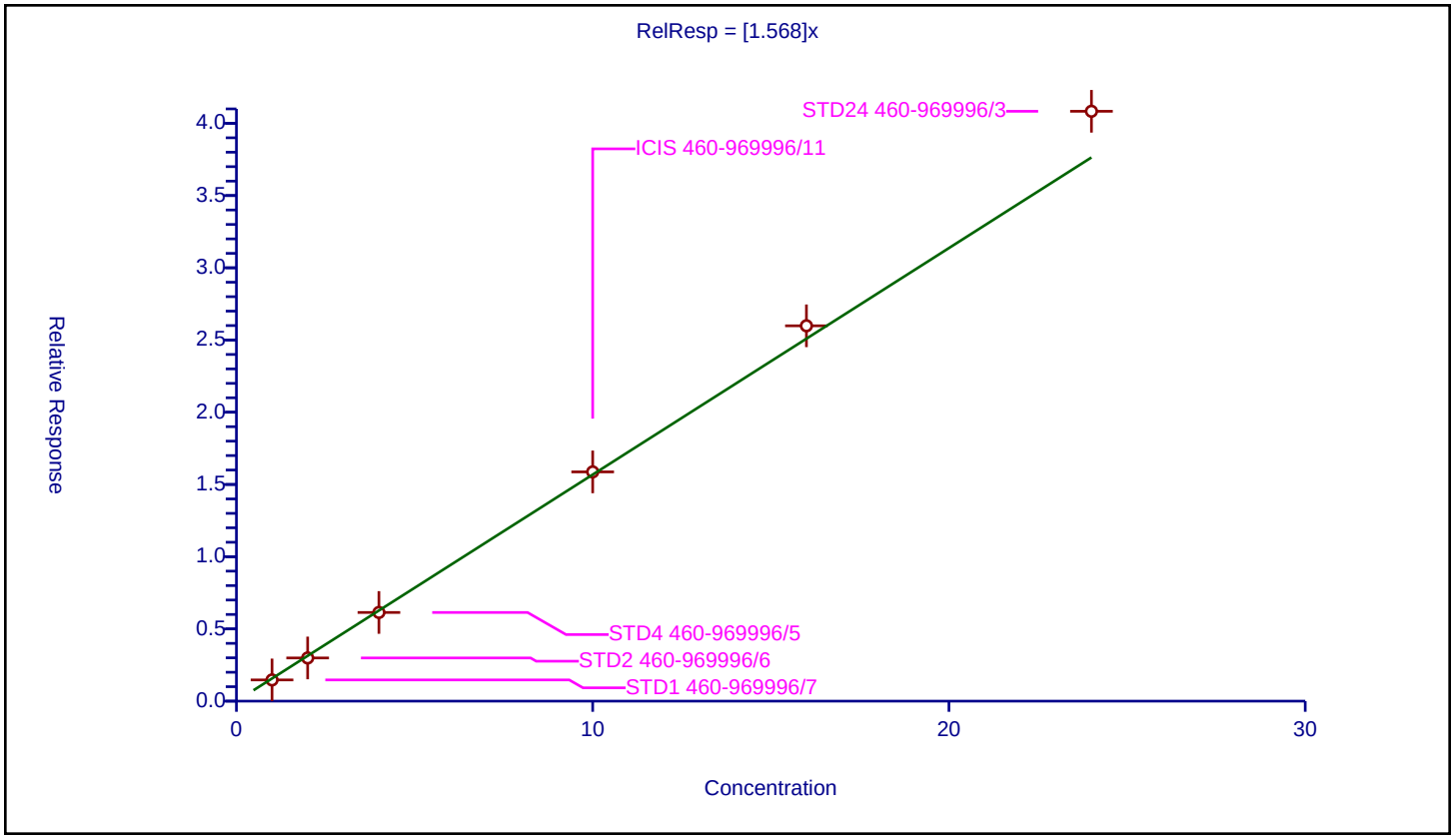
Curve Coefficients

Intercept:	0
Slope:	1.568

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.467933	8.0	604480.0	1.467933	Y
2	STD2 460-969996/6	2.0	2.989151	8.0	575144.0	1.494575	Y
3	STD4 460-969996/5	4.0	6.138087	8.0	595916.0	1.534522	Y
4	ICIS 460-969996/11	10.0	15.871508	8.0	556298.0	1.587151	Y
5	STD16 460-969996/4	16.0	25.98407	8.0	574137.0	1.624004	Y
6	STD24 460-969996/3	24.0	40.834844	8.0	570521.0	1.701452	Y



Calibration / 2-Chloronaphthalene

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

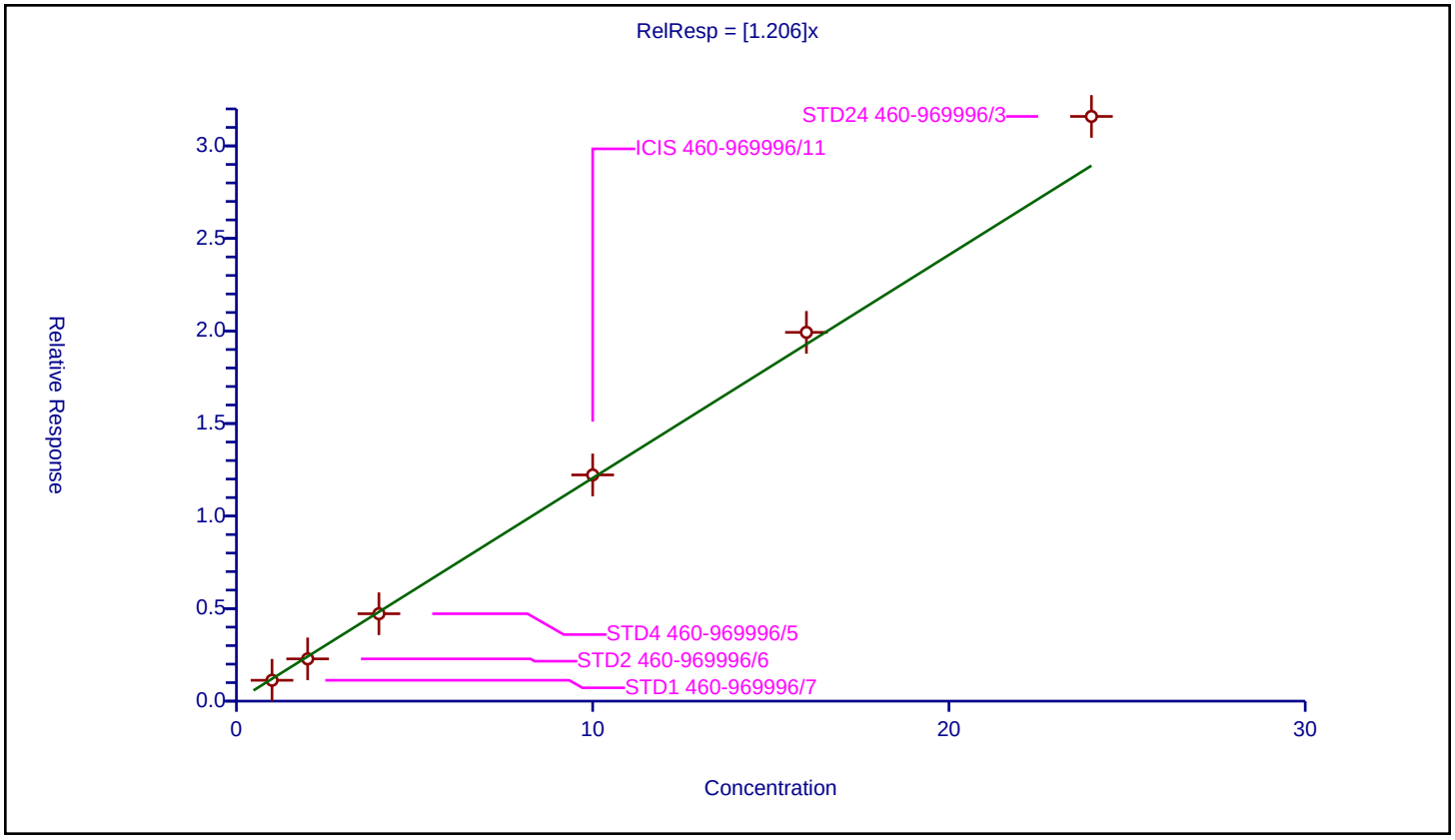
Curve Coefficients

Intercept:	0
Slope:	1.206

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.127541	8.0	604480.0	1.127541	Y
2	STD2 460-969996/6	2.0	2.282865	8.0	575144.0	1.141432	Y
3	STD4 460-969996/5	4.0	4.721806	8.0	595916.0	1.180452	Y
4	ICIS 460-969996/11	10.0	12.222356	8.0	556298.0	1.222236	Y
5	STD16 460-969996/4	16.0	19.92677	8.0	574137.0	1.245423	Y
6	STD24 460-969996/3	24.0	31.592541	8.0	570521.0	1.316356	Y



Calibration / Phenyl ether

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

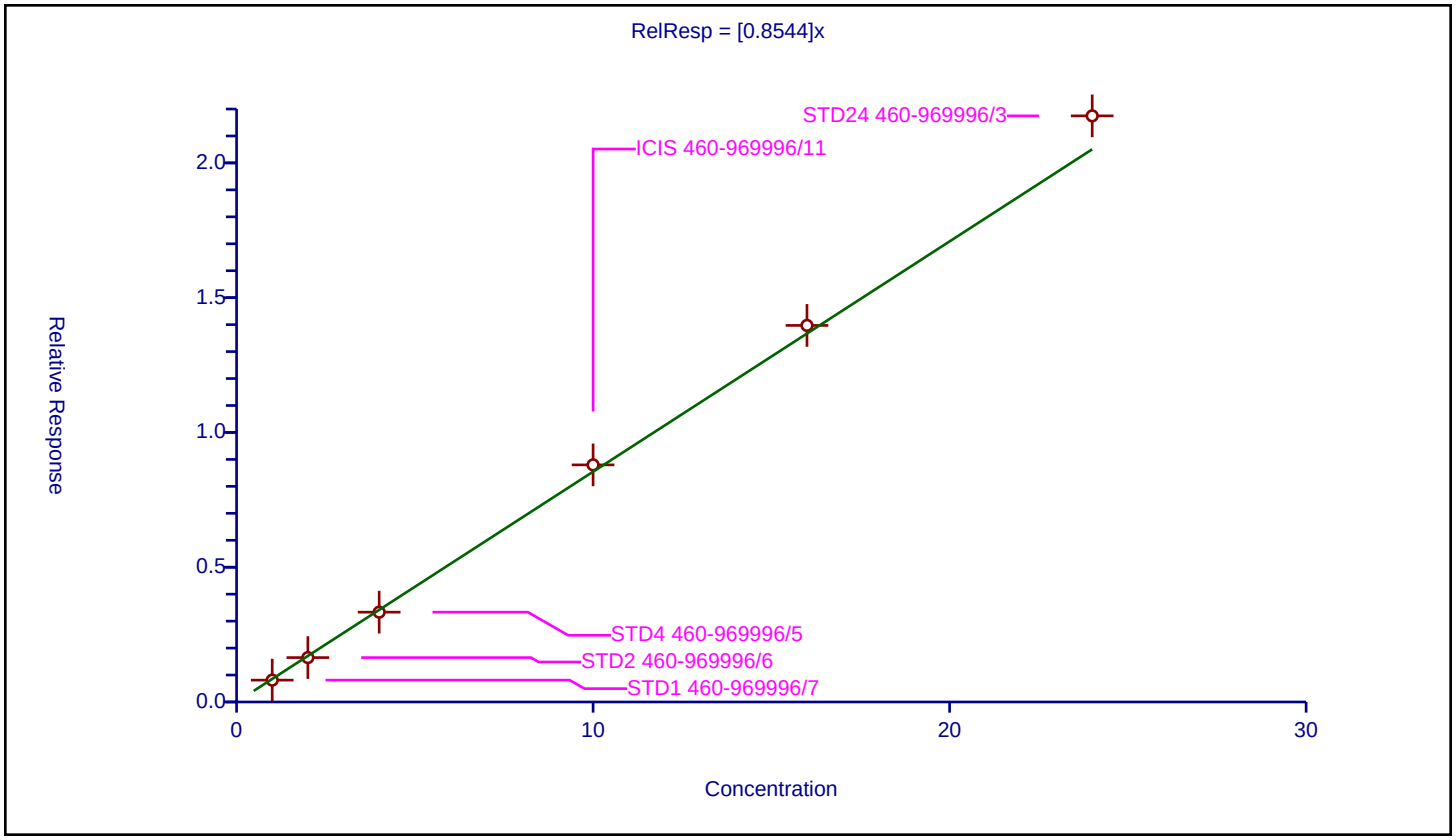
Curve Coefficients

Intercept:	0
Slope:	0.8544

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.811064	8.0	604480.0	0.811064	Y
2	STD2 460-969996/6	2.0	1.646349	8.0	575144.0	0.823175	Y
3	STD4 460-969996/5	4.0	3.332282	8.0	595916.0	0.83307	Y
4	ICIS 460-969996/11	10.0	8.79704	8.0	556298.0	0.879704	Y
5	STD16 460-969996/4	16.0	13.971787	8.0	574137.0	0.873237	Y
6	STD24 460-969996/3	24.0	21.746116	8.0	570521.0	0.906088	Y



Calibration / 2-Nitroaniline

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

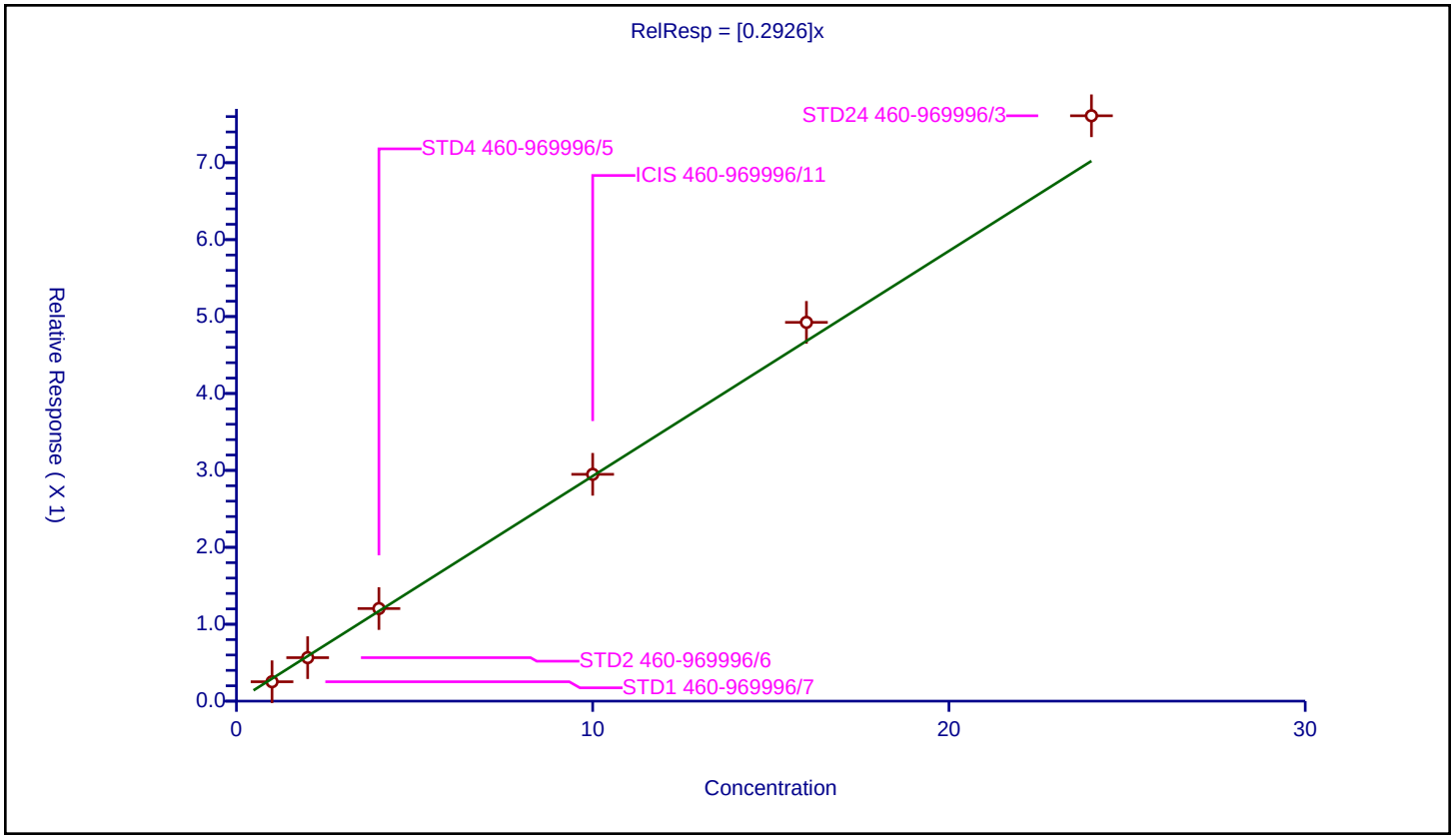
Curve Coefficients

Intercept:	0
Slope:	0.2926

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.252329	8.0	604480.0	0.252329	Y
2	STD2 460-969996/6	2.0	0.565424	8.0	575144.0	0.282712	Y
3	STD4 460-969996/5	4.0	1.203727	8.0	595916.0	0.300932	Y
4	ICIS 460-969996/11	10.0	2.949225	8.0	556298.0	0.294923	Y
5	STD16 460-969996/4	16.0	4.924636	8.0	574137.0	0.30779	Y
6	STD24 460-969996/3	24.0	7.610742	8.0	570521.0	0.317114	Y



Calibration / 1,3-Dimethylnaphthalene

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

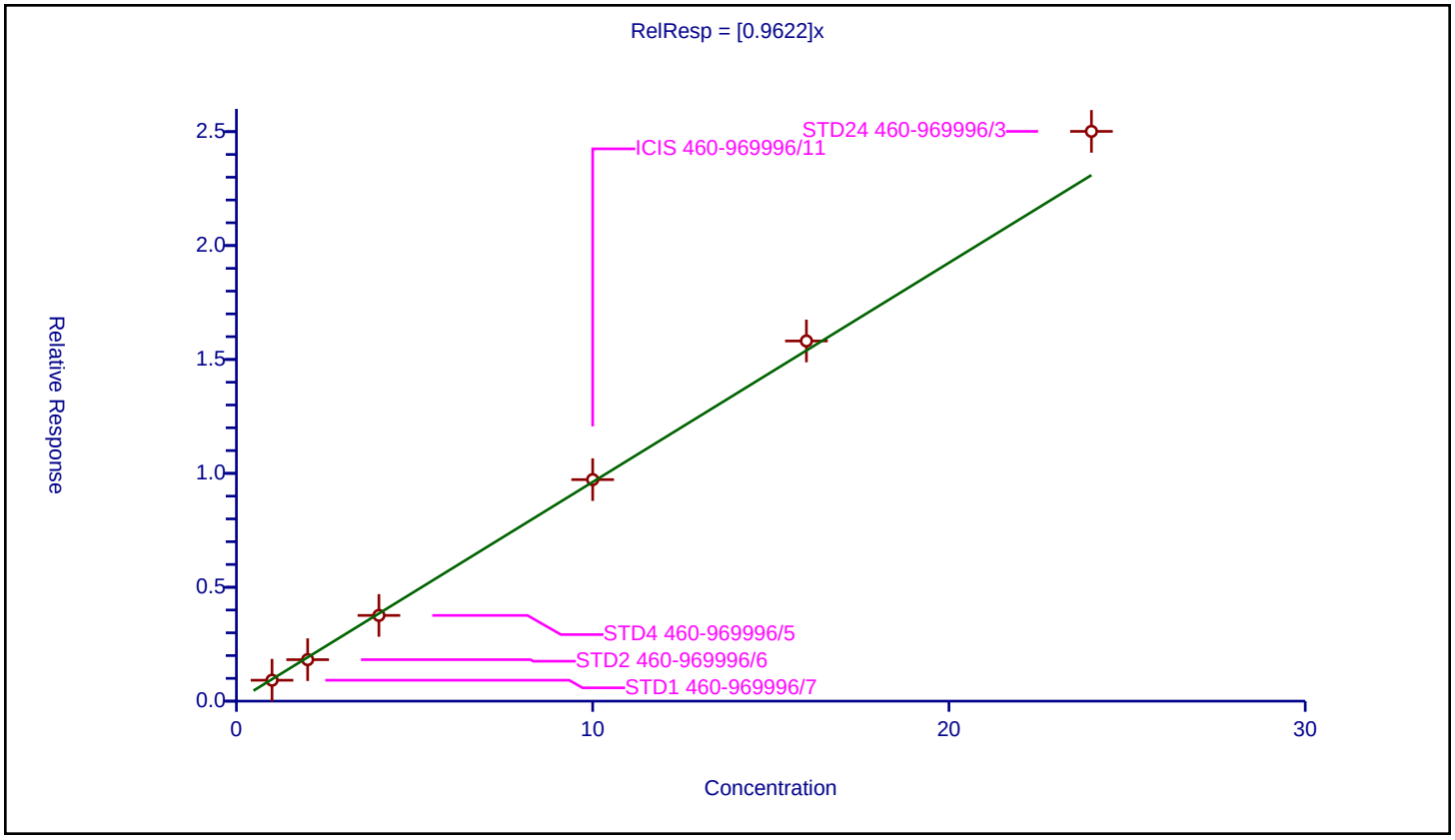
Curve Coefficients

Intercept:	0
Slope:	0.9622

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.918568	8.0	604480.0	0.918568	Y
2	STD2 460-969996/6	2.0	1.821415	8.0	575144.0	0.910708	Y
3	STD4 460-969996/5	4.0	3.763	8.0	595916.0	0.94075	Y
4	ICIS 460-969996/11	10.0	9.725262	8.0	556298.0	0.972526	Y
5	STD16 460-969996/4	16.0	15.811613	8.0	574137.0	0.988226	Y
6	STD24 460-969996/3	24.0	25.013502	8.0	570521.0	1.042229	Y



Calibration / Coumarin

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

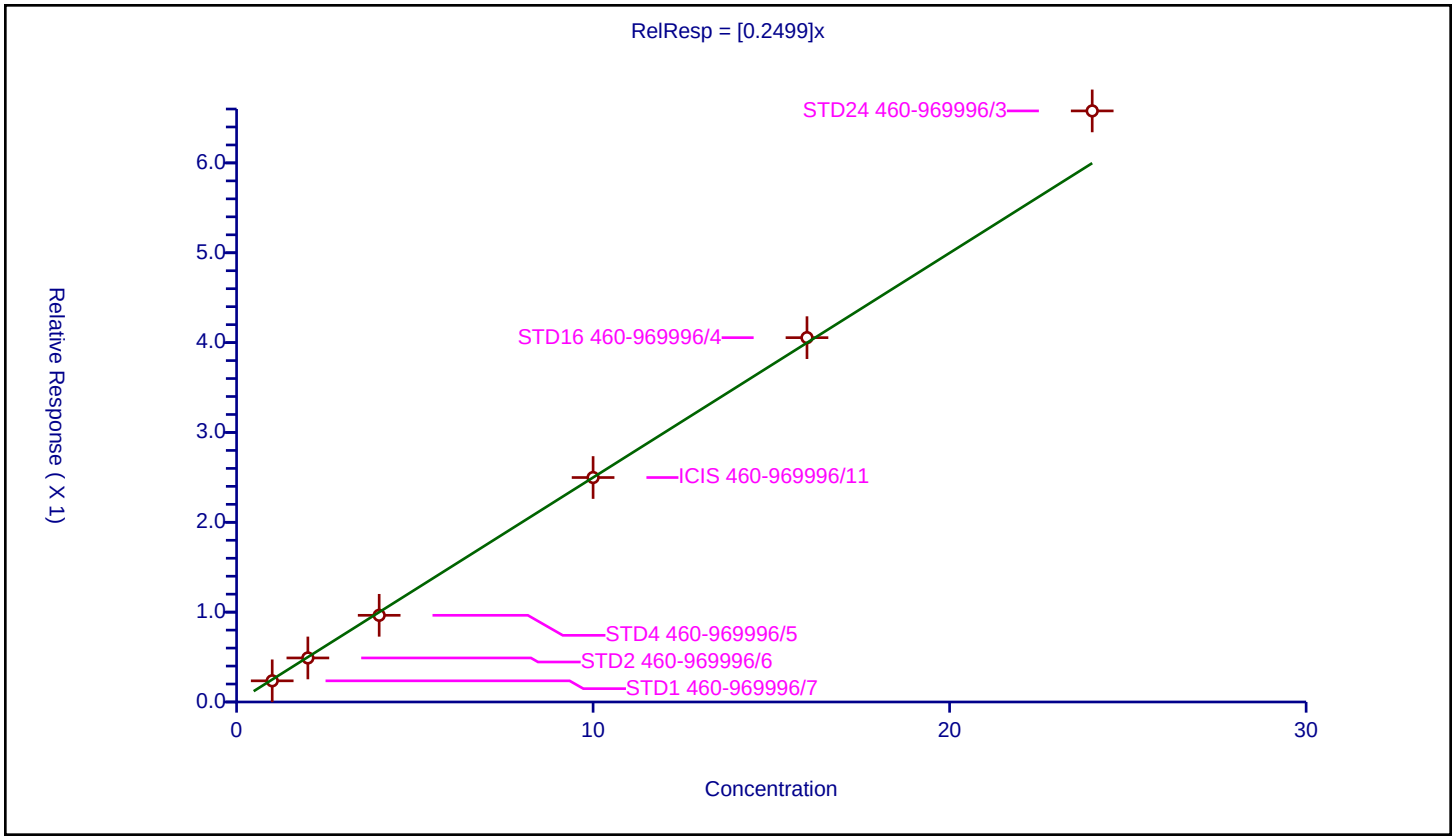
Curve Coefficients

Intercept:	0
Slope:	0.2499

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.235611	8.0	1050003.0	0.235611	Y
2	STD2 460-969996/6	2.0	0.490263	8.0	1004326.0	0.245132	Y
3	STD4 460-969996/5	4.0	0.964854	8.0	1052595.0	0.241213	Y
4	ICIS 460-969996/11	10.0	2.498522	8.0	1020962.0	0.249852	Y
5	STD16 460-969996/4	16.0	4.055091	8.0	1058969.0	0.253443	Y
6	STD24 460-969996/3	24.0	6.579012	8.0	1032831.0	0.274126	Y



Calibration / Dimethyl phthalate

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

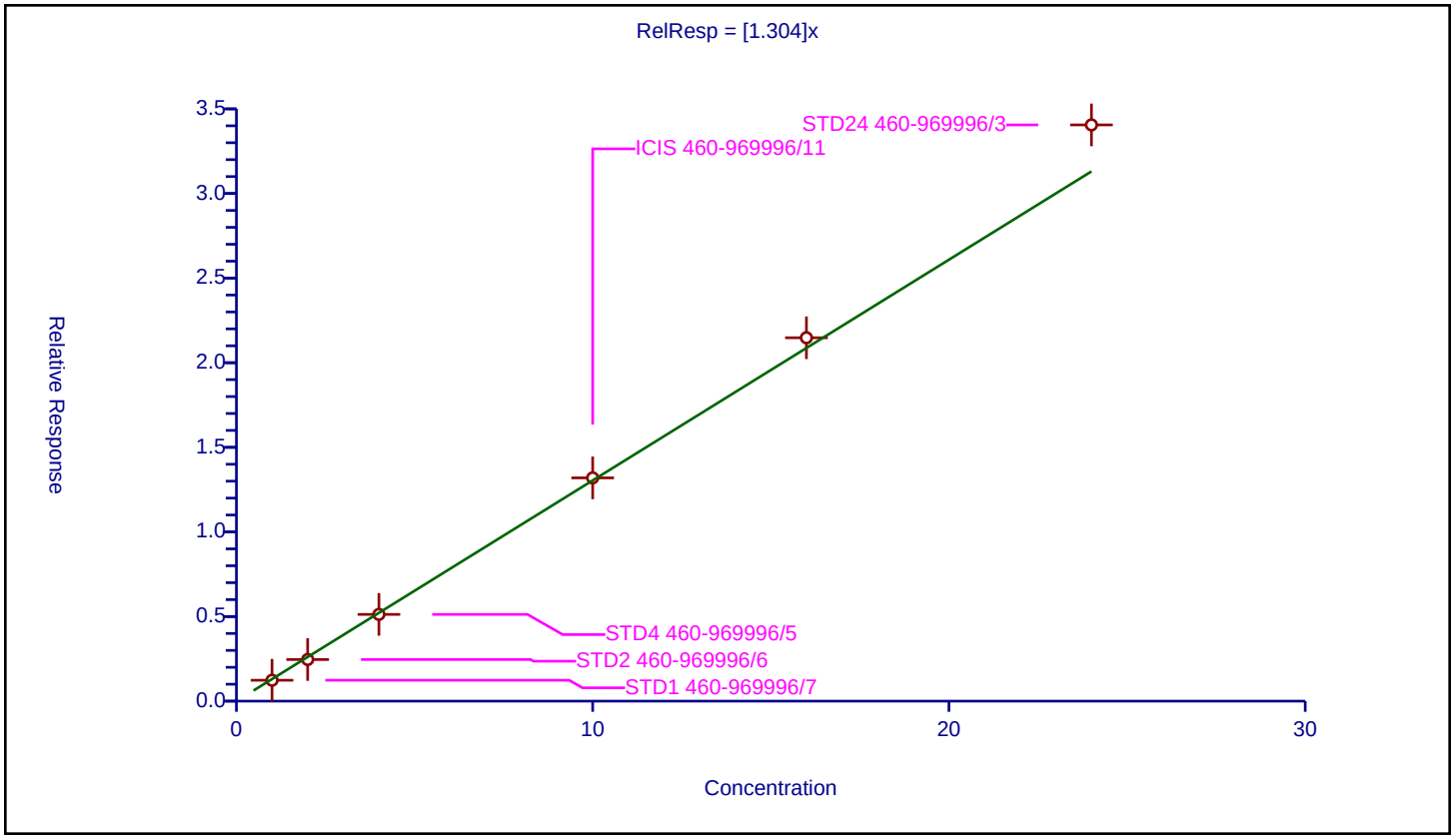
Curve Coefficients

Intercept:	0
Slope:	1.304

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.234158	8.0	604480.0	1.234158	Y
2	STD2 460-969996/6	2.0	2.459934	8.0	575144.0	1.229967	Y
3	STD4 460-969996/5	4.0	5.125944	8.0	595916.0	1.281486	Y
4	ICIS 460-969996/11	10.0	13.194209	8.0	556298.0	1.319421	Y
5	STD16 460-969996/4	16.0	21.475348	8.0	574137.0	1.342209	Y
6	STD24 460-969996/3	24.0	34.054725	8.0	570521.0	1.418947	Y



Calibration / 2,6-Dinitrotoluene

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

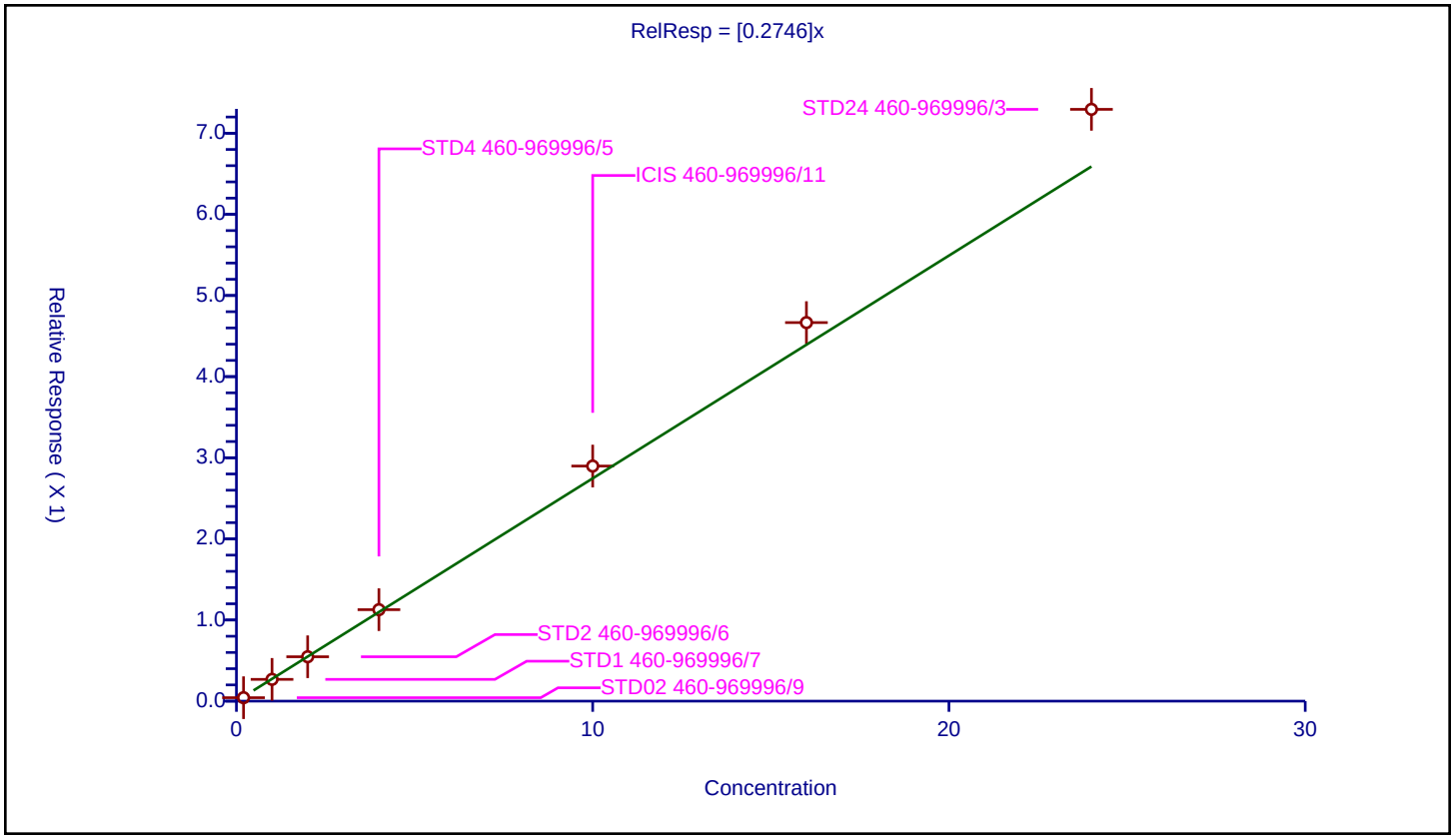
Curve Coefficients

Intercept:	0
Slope:	0.2746

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.042587	8.0	584589.0	0.212936	Y
2	STD1 460-969996/7	1.0	0.268396	8.0	604480.0	0.268396	Y
3	STD2 460-969996/6	2.0	0.547188	8.0	575144.0	0.273594	Y
4	STD4 460-969996/5	4.0	1.127354	8.0	595916.0	0.281838	Y
5	ICIS 460-969996/11	10.0	2.897584	8.0	556298.0	0.289758	Y
6	STD16 460-969996/4	16.0	4.66605	8.0	574137.0	0.291628	Y
7	STD24 460-969996/3	24.0	7.294385	8.0	570521.0	0.303933	Y



Calibration / Acenaphthylene

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

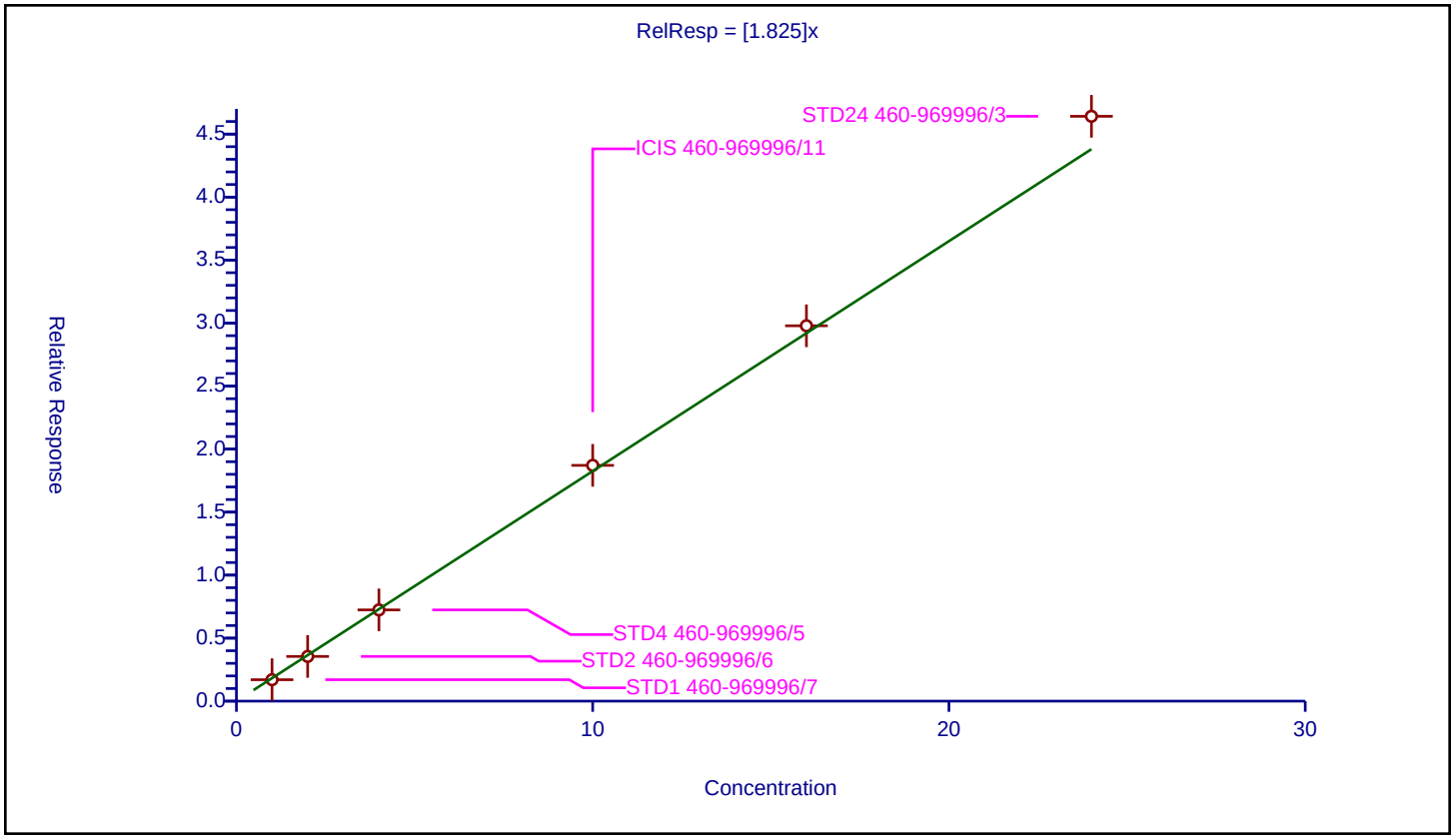
Curve Coefficients

Intercept:	0
Slope:	1.825

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.699934	8.0	604480.0	1.699934	Y
2	STD2 460-969996/6	2.0	3.54787	8.0	575144.0	1.773935	Y
3	STD4 460-969996/5	4.0	7.240161	8.0	595916.0	1.81004	Y
4	ICIS 460-969996/11	10.0	18.711482	8.0	556298.0	1.871148	Y
5	STD16 460-969996/4	16.0	29.788834	8.0	574137.0	1.861802	Y
6	STD24 460-969996/3	24.0	46.412525	8.0	570521.0	1.933855	Y



Calibration / 3-Nitroaniline

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

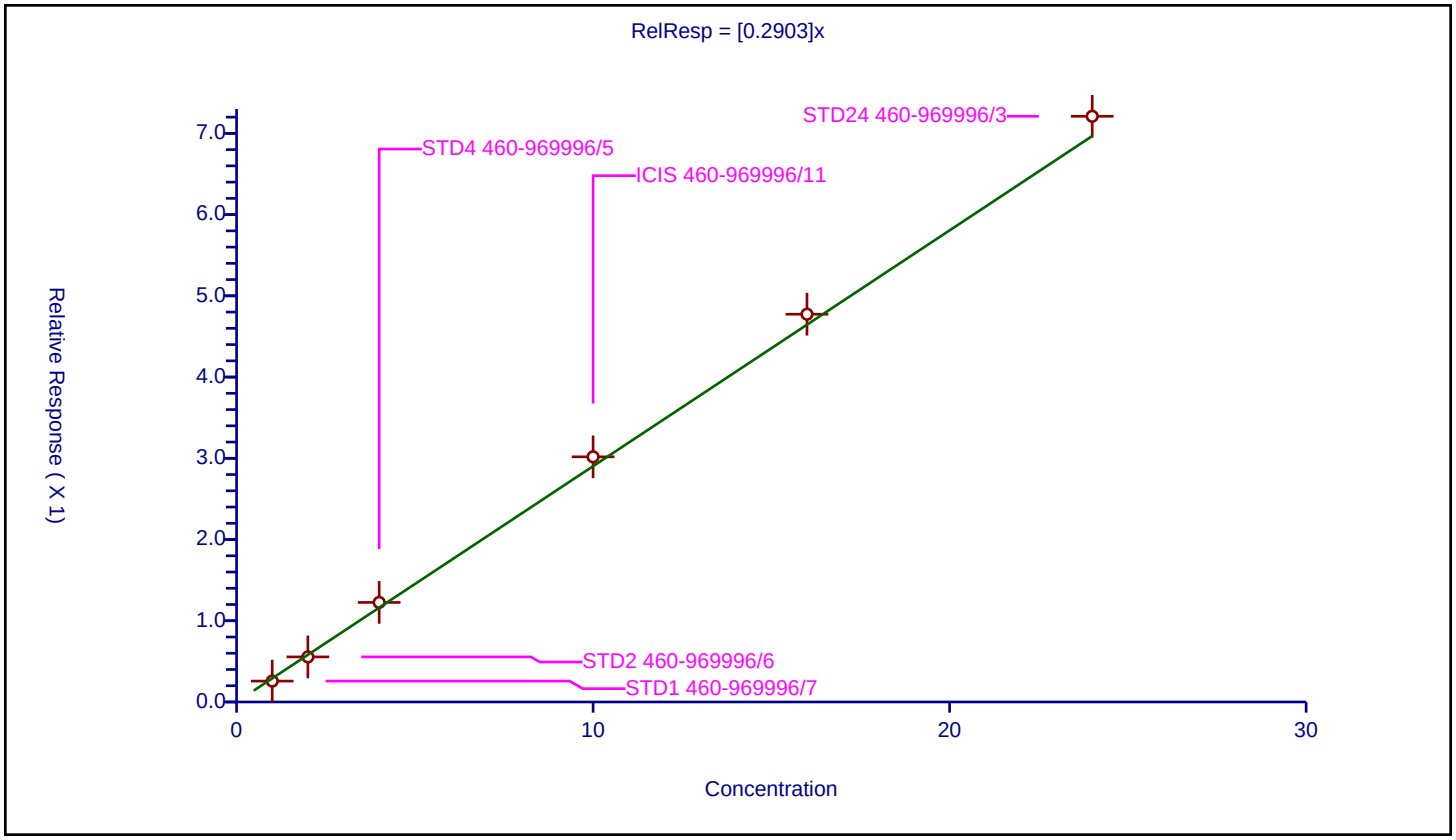
Curve Coefficients

Intercept:	0
Slope:	0.2903

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.257253	8.0	604480.0	0.257253	Y
2	STD2 460-969996/6	2.0	0.555061	8.0	575144.0	0.27753	Y
3	STD4 460-969996/5	4.0	1.225596	8.0	595916.0	0.306399	Y
4	ICIS 460-969996/11	10.0	3.017994	8.0	556298.0	0.301799	Y
5	STD16 460-969996/4	16.0	4.773774	8.0	574137.0	0.298361	Y
6	STD24 460-969996/3	24.0	7.210476	8.0	570521.0	0.300437	Y



Calibration / Acenaphthene

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

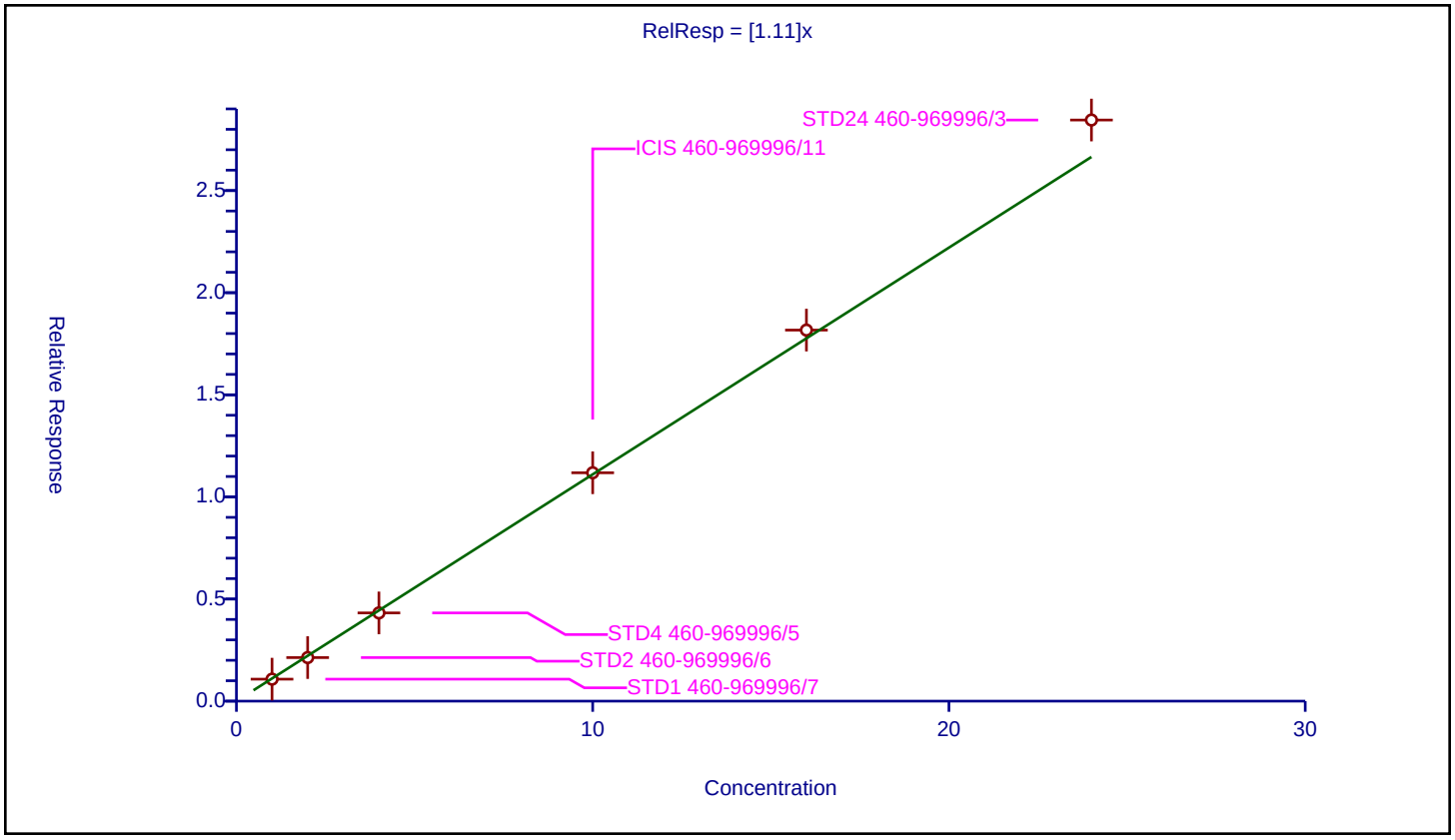
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.076085	8.0	604480.0	1.076085	Y
2	STD2 460-969996/6	2.0	2.132711	8.0	575144.0	1.066356	Y
3	STD4 460-969996/5	4.0	4.319575	8.0	595916.0	1.079894	Y
4	ICIS 460-969996/11	10.0	11.182927	8.0	556298.0	1.118293	Y
5	STD16 460-969996/4	16.0	18.169294	8.0	574137.0	1.135581	Y
6	STD24 460-969996/3	24.0	28.455338	8.0	570521.0	1.185639	Y



Calibration / 3,5-di-tert-butyl-4-hydroxytol

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

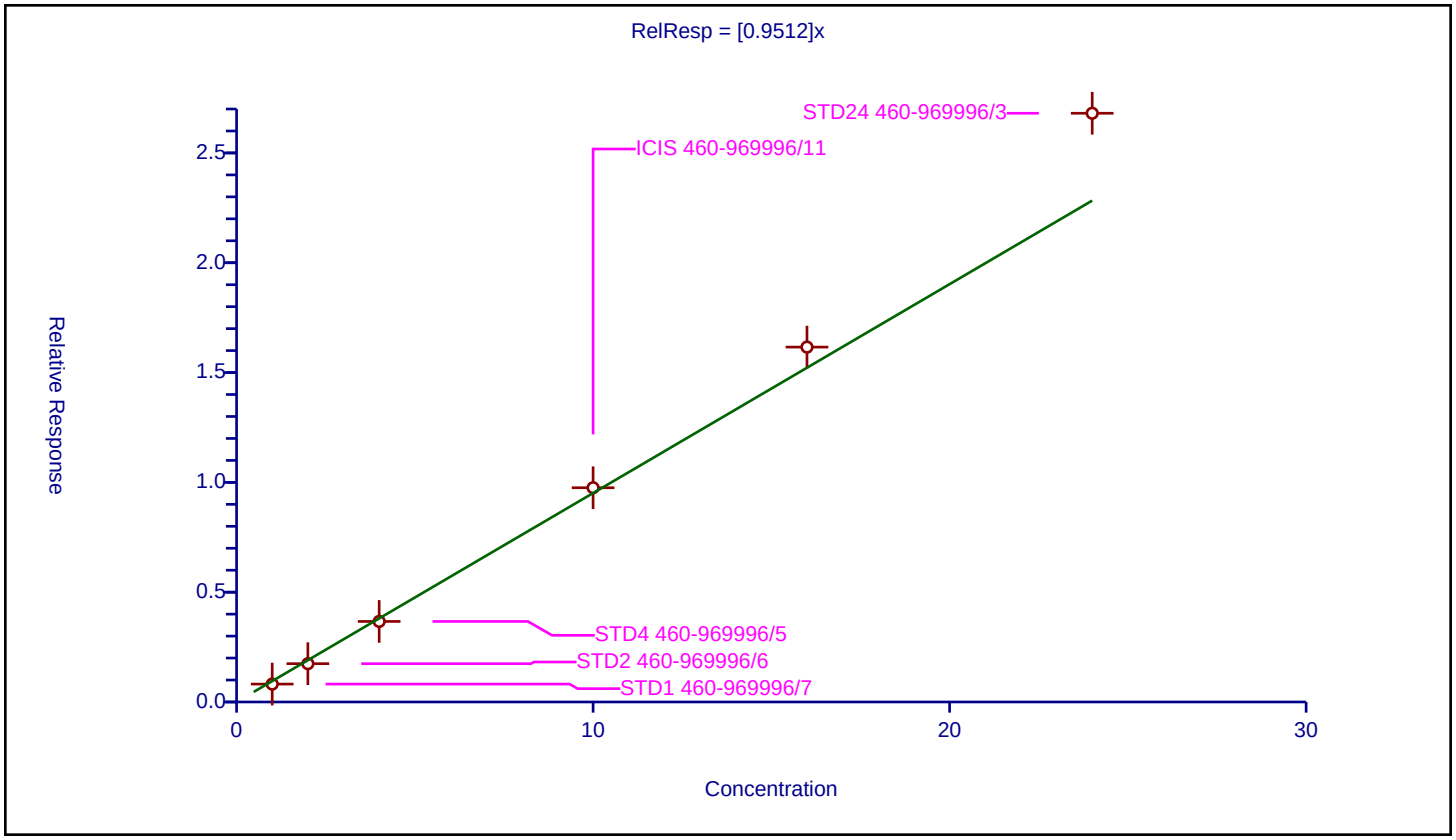
Curve Coefficients

Intercept:	0
Slope:	0.9512

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.81563	8.0	604480.0	0.81563	Y
2	STD2 460-969996/6	2.0	1.744801	8.0	575144.0	0.872401	Y
3	STD4 460-969996/5	4.0	3.667806	8.0	595916.0	0.916951	Y
4	ICIS 460-969996/11	10.0	9.75552	8.0	556298.0	0.975552	Y
5	STD16 460-969996/4	16.0	16.159154	8.0	574137.0	1.009947	Y
6	STD24 460-969996/3	24.0	26.807118	8.0	570521.0	1.116963	Y



Calibration / 2,4-Dinitrophenol

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

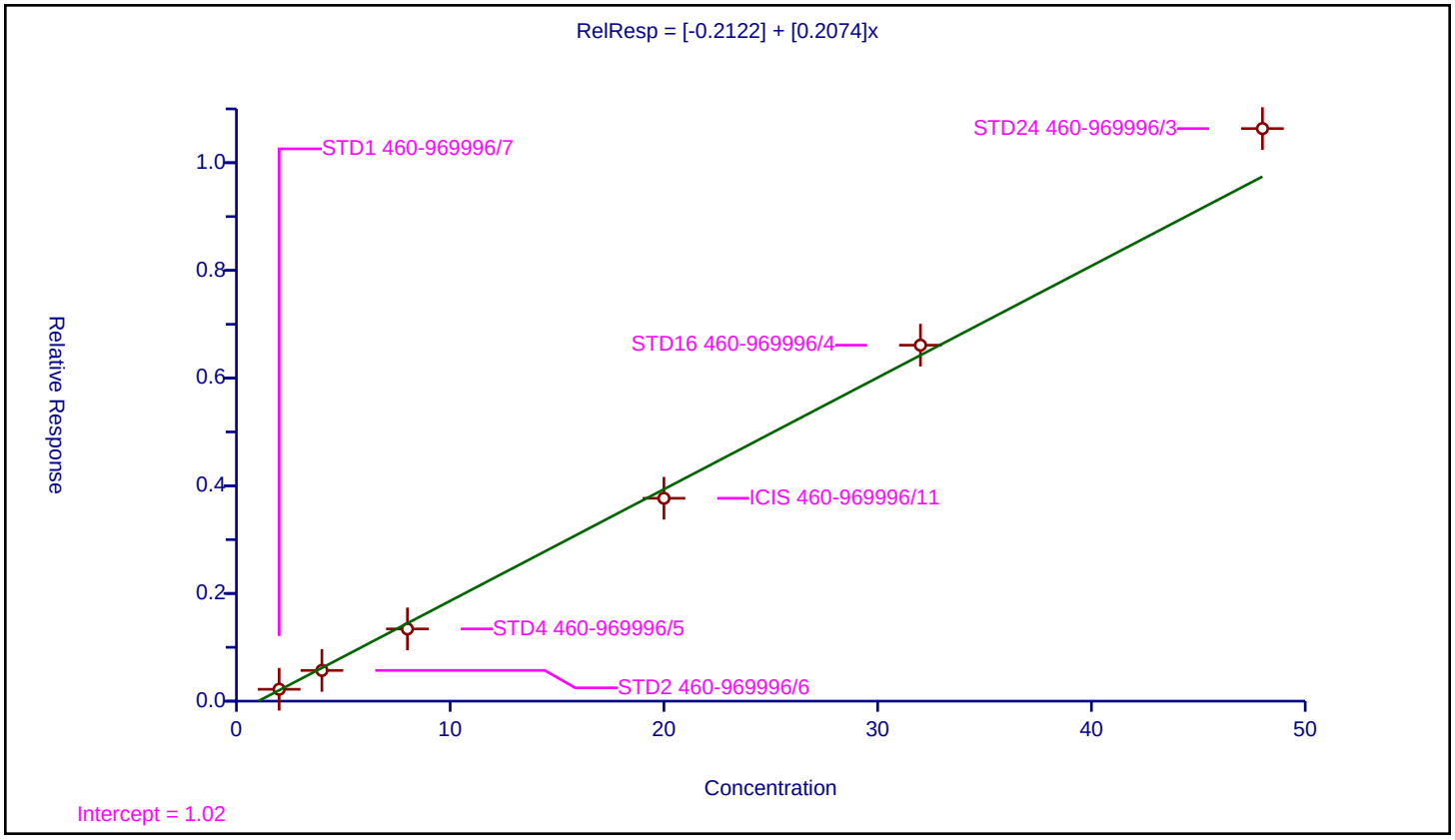
Curve Coefficients

Intercept:	-0.2122
Slope:	0.2074

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	2.0	0.220236	8.0	604480.0	0.110118	Y
2	STD2 460-969996/6	4.0	0.570793	8.0	575144.0	0.142698	Y
3	STD4 460-969996/5	8.0	1.341088	8.0	595916.0	0.167636	Y
4	ICIS 460-969996/11	20.0	3.76788	8.0	556298.0	0.188394	Y
5	STD16 460-969996/4	32.0	6.611788	8.0	574137.0	0.206618	Y
6	STD24 460-969996/3	48.0	10.634098	8.0	570521.0	0.221544	Y



Calibration / 4-Nitrophenol

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

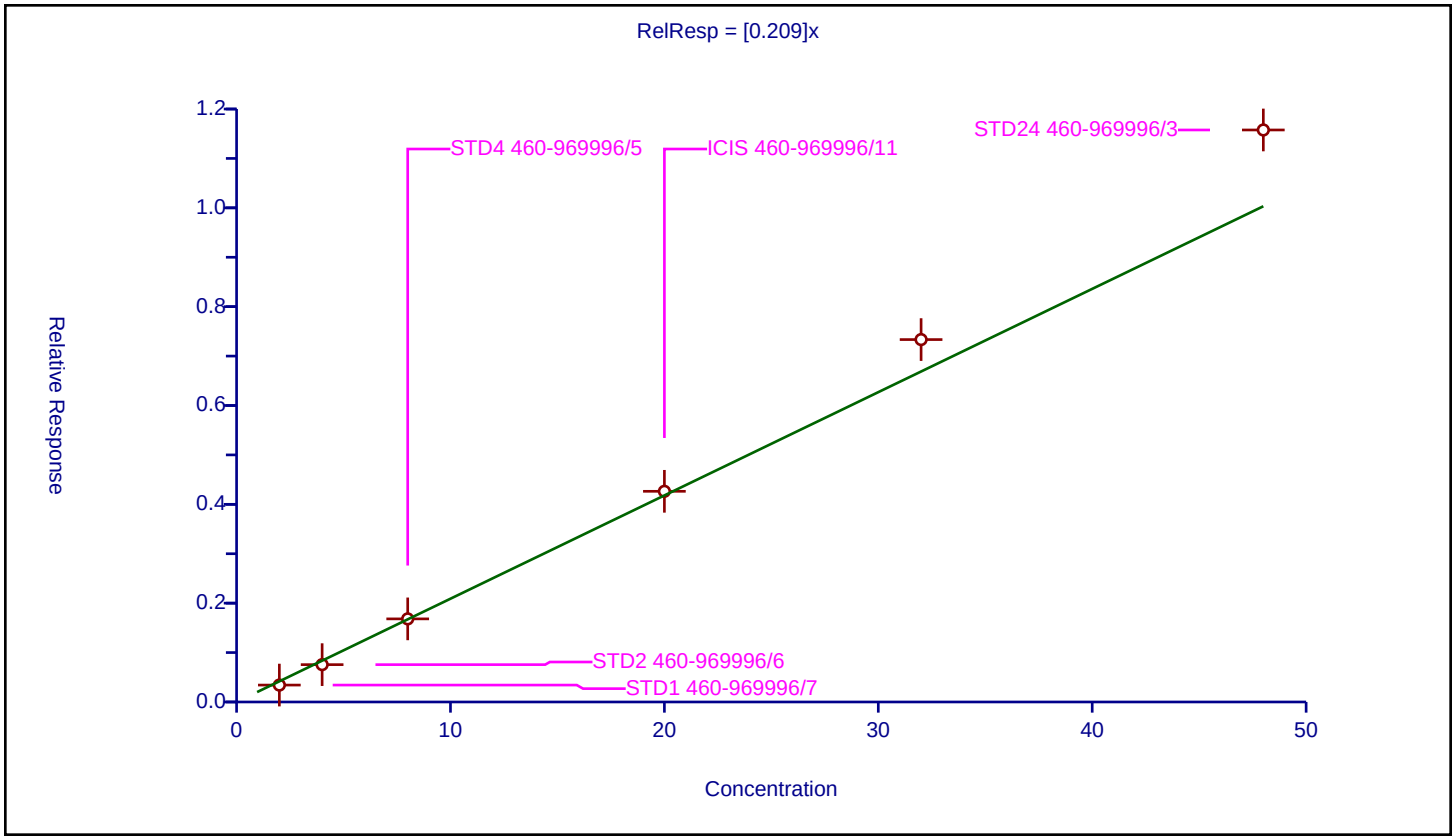
Curve Coefficients

Intercept:	0
Slope:	0.209

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	2.0	0.342403	8.0	604480.0	0.171202	Y
2	STD2 460-969996/6	4.0	0.756026	8.0	575144.0	0.189007	Y
3	STD4 460-969996/5	8.0	1.681888	8.0	595916.0	0.210236	Y
4	ICIS 460-969996/11	20.0	4.263571	8.0	556298.0	0.213179	Y
5	STD16 460-969996/4	32.0	7.333943	8.0	574137.0	0.229186	Y
6	STD24 460-969996/3	48.0	11.576002	8.0	570521.0	0.241167	Y



Calibration / Dibenzofuran

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

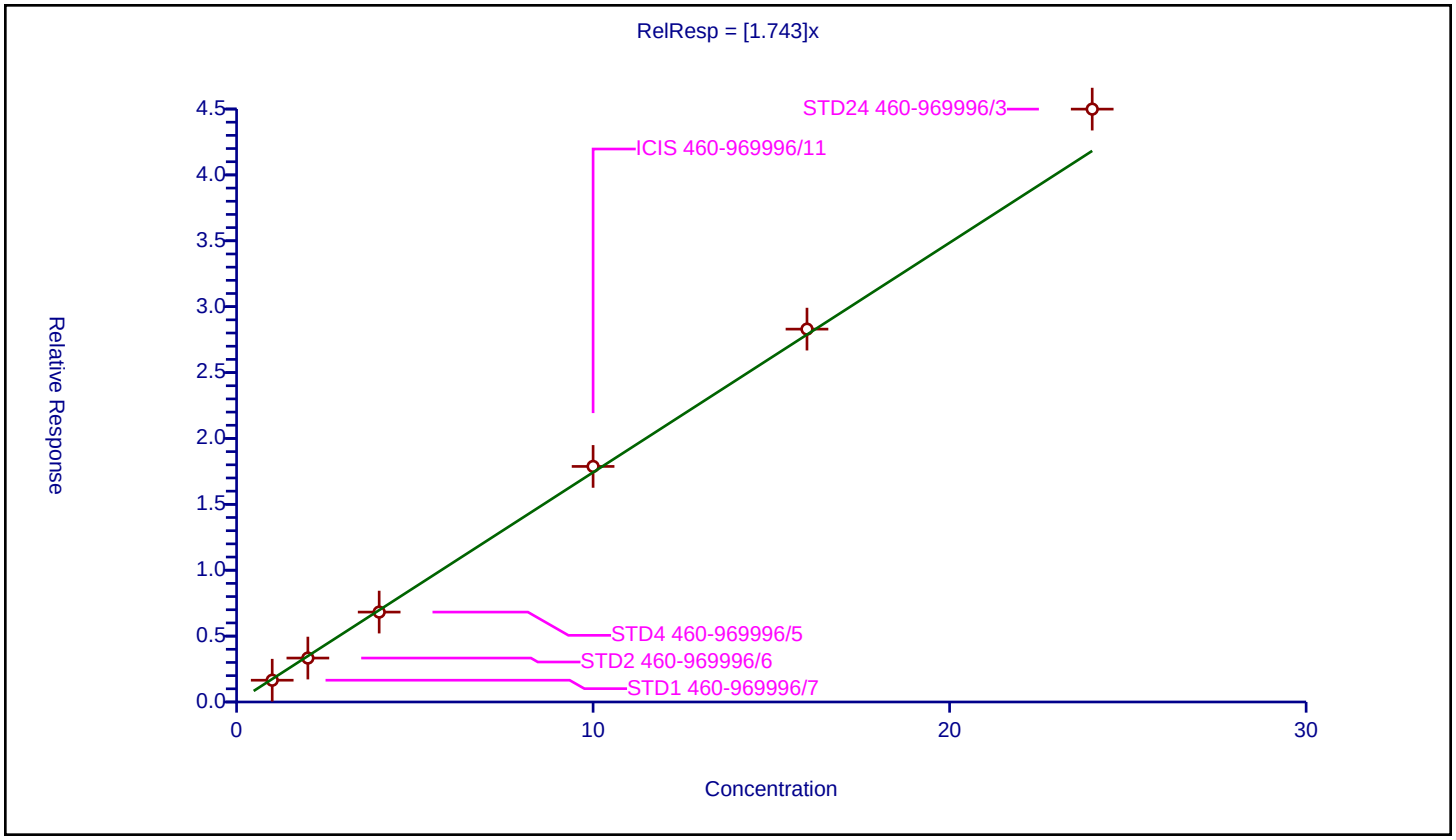
Curve Coefficients

Intercept:	0
Slope:	1.743

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.652237	8.0	604480.0	1.652237	Y
2	STD2 460-969996/6	2.0	3.333732	8.0	575144.0	1.666866	Y
3	STD4 460-969996/5	4.0	6.822478	8.0	595916.0	1.70562	Y
4	ICIS 460-969996/11	10.0	17.877109	8.0	556298.0	1.787711	Y
5	STD16 460-969996/4	16.0	28.29609	8.0	574137.0	1.768506	Y
6	STD24 460-969996/3	24.0	44.991914	8.0	570521.0	1.874663	Y



Calibration / 2,4-Dinitrotoluene

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

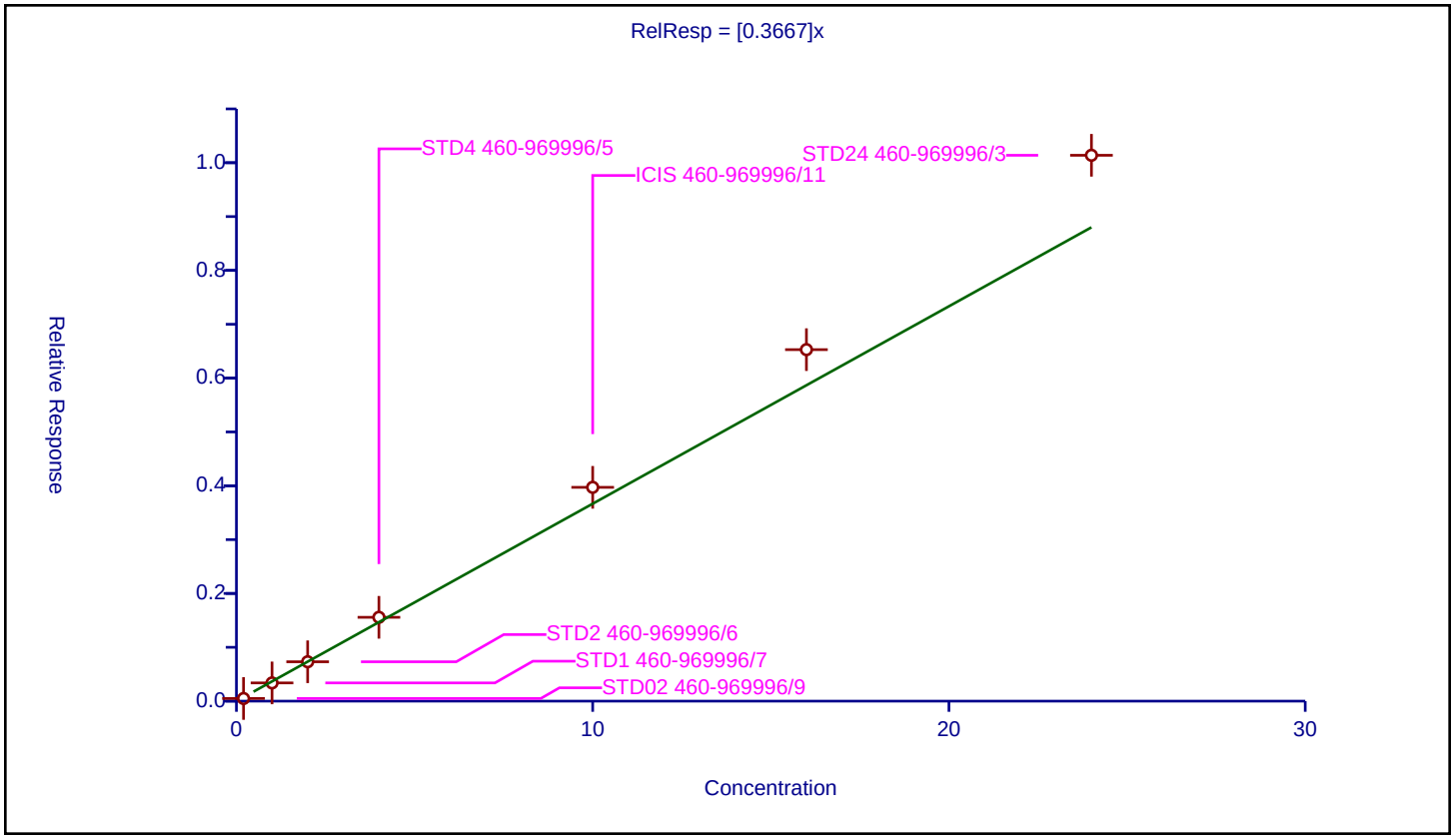
Curve Coefficients

Intercept:	0
Slope:	0.3667

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.049156	8.0	584589.0	0.24578	Y
2	STD1 460-969996/7	1.0	0.338605	8.0	604480.0	0.338605	Y
3	STD2 460-969996/6	2.0	0.731184	8.0	575144.0	0.365592	Y
4	STD4 460-969996/5	4.0	1.556837	8.0	595916.0	0.389209	Y
5	ICIS 460-969996/11	10.0	3.971109	8.0	556298.0	0.397111	Y
6	STD16 460-969996/4	16.0	6.528727	8.0	574137.0	0.408045	Y
7	STD24 460-969996/3	24.0	10.138312	8.0	570521.0	0.42243	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

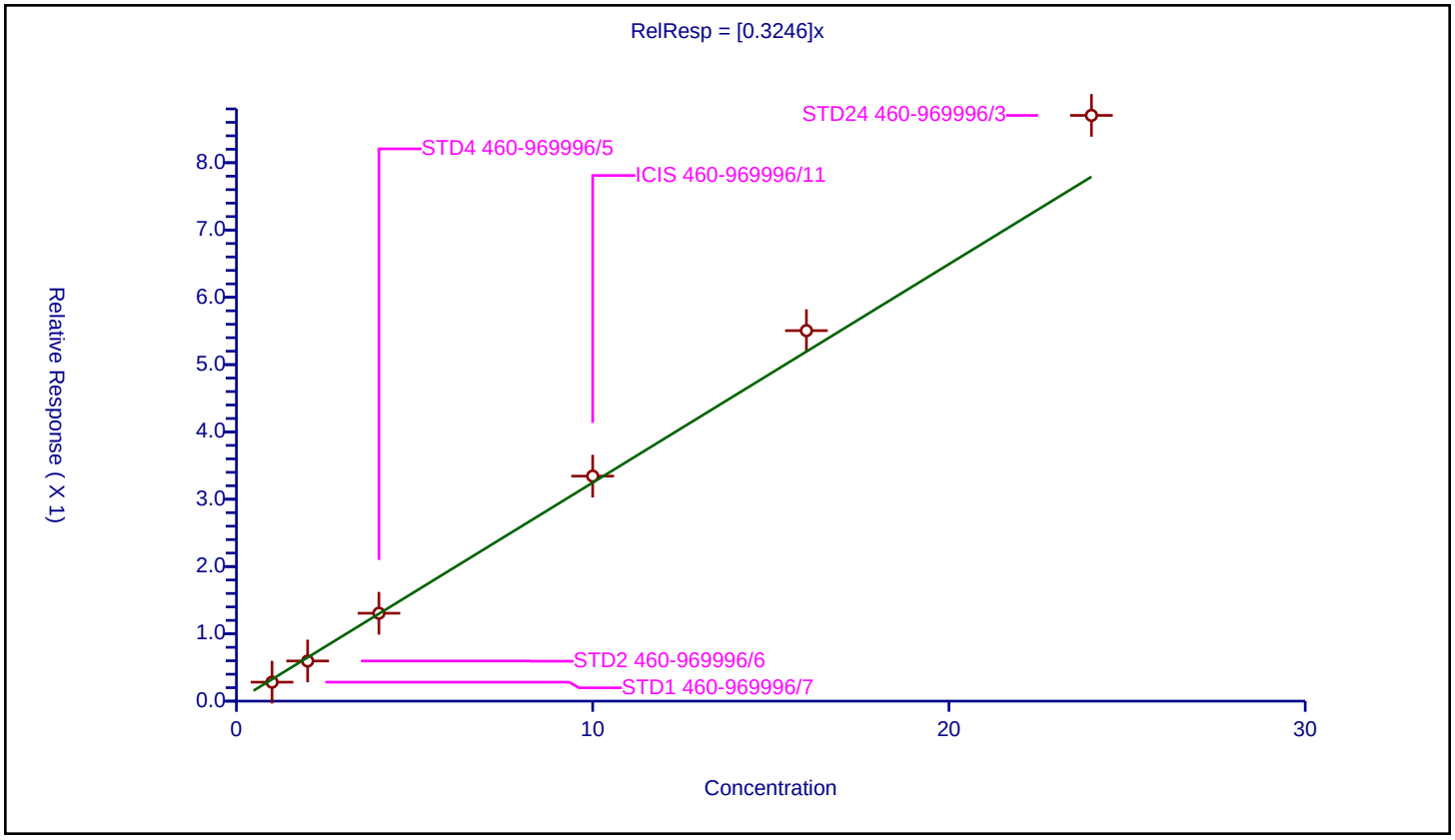
Curve Coefficients

Intercept:	0
Slope:	0.3246

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.28208	8.0	604480.0	0.28208	Y
2	STD2 460-969996/6	2.0	0.596386	8.0	575144.0	0.298193	Y
3	STD4 460-969996/5	4.0	1.306063	8.0	595916.0	0.326516	Y
4	ICIS 460-969996/11	10.0	3.343618	8.0	556298.0	0.334362	Y
5	STD16 460-969996/4	16.0	5.505264	8.0	574137.0	0.344079	Y
6	STD24 460-969996/3	24.0	8.703595	8.0	570521.0	0.36265	Y



Calibration / Diethyl phthalate

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

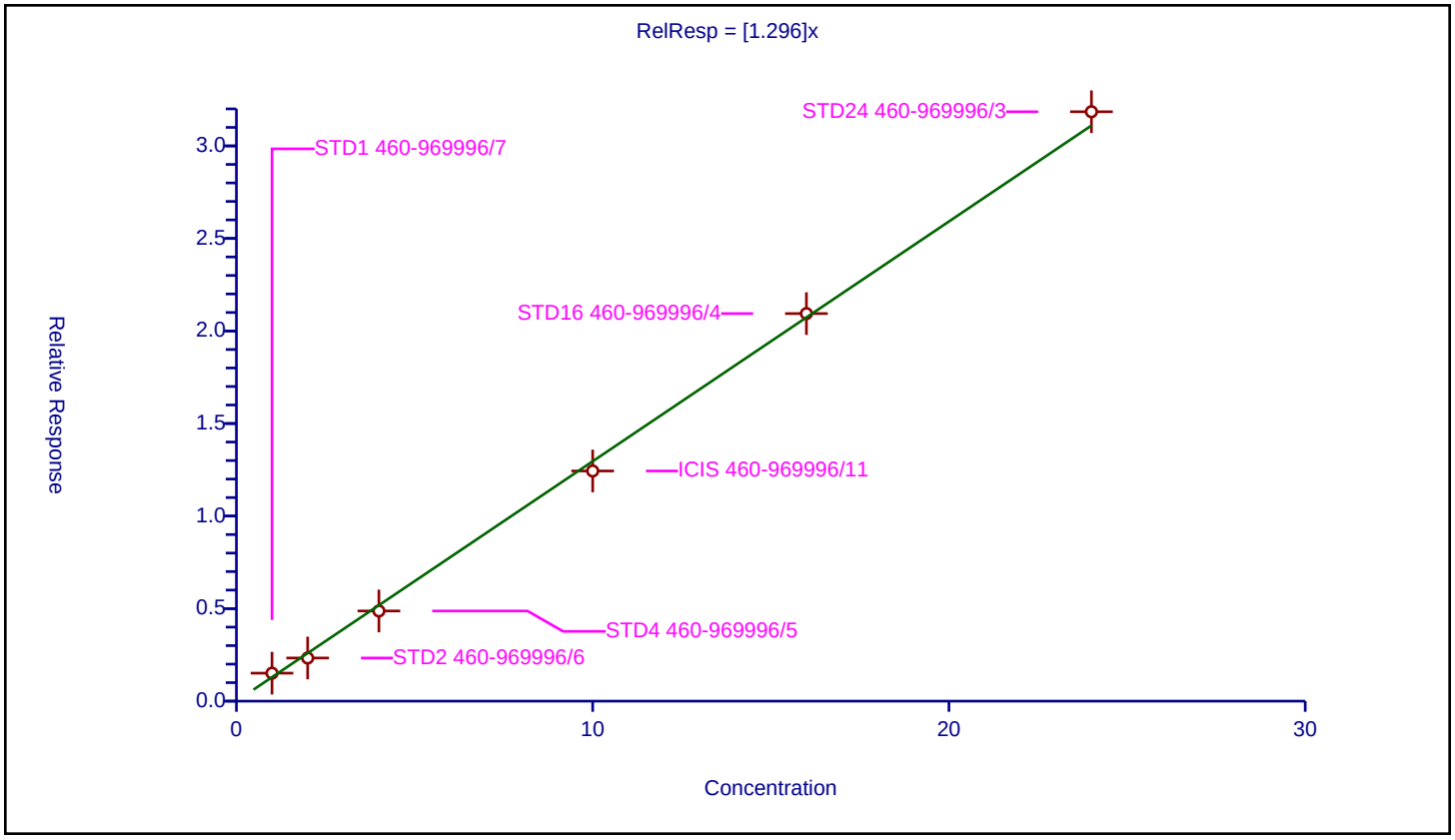
Curve Coefficients

Intercept:	0
Slope:	1.296

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	1.512163	8.0	604480.0	1.512163	Y
2	STD2 460-969996/6	2.0	2.330491	8.0	575144.0	1.165246	Y
3	STD4 460-969996/5	4.0	4.871989	8.0	595916.0	1.217997	Y
4	ICIS 460-969996/11	10.0	12.43637	8.0	556298.0	1.243637	Y
5	STD16 460-969996/4	16.0	20.940744	8.0	574137.0	1.308797	Y
6	STD24 460-969996/3	24.0	31.846709	8.0	570521.0	1.326946	Y



Calibration / Fluorene

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

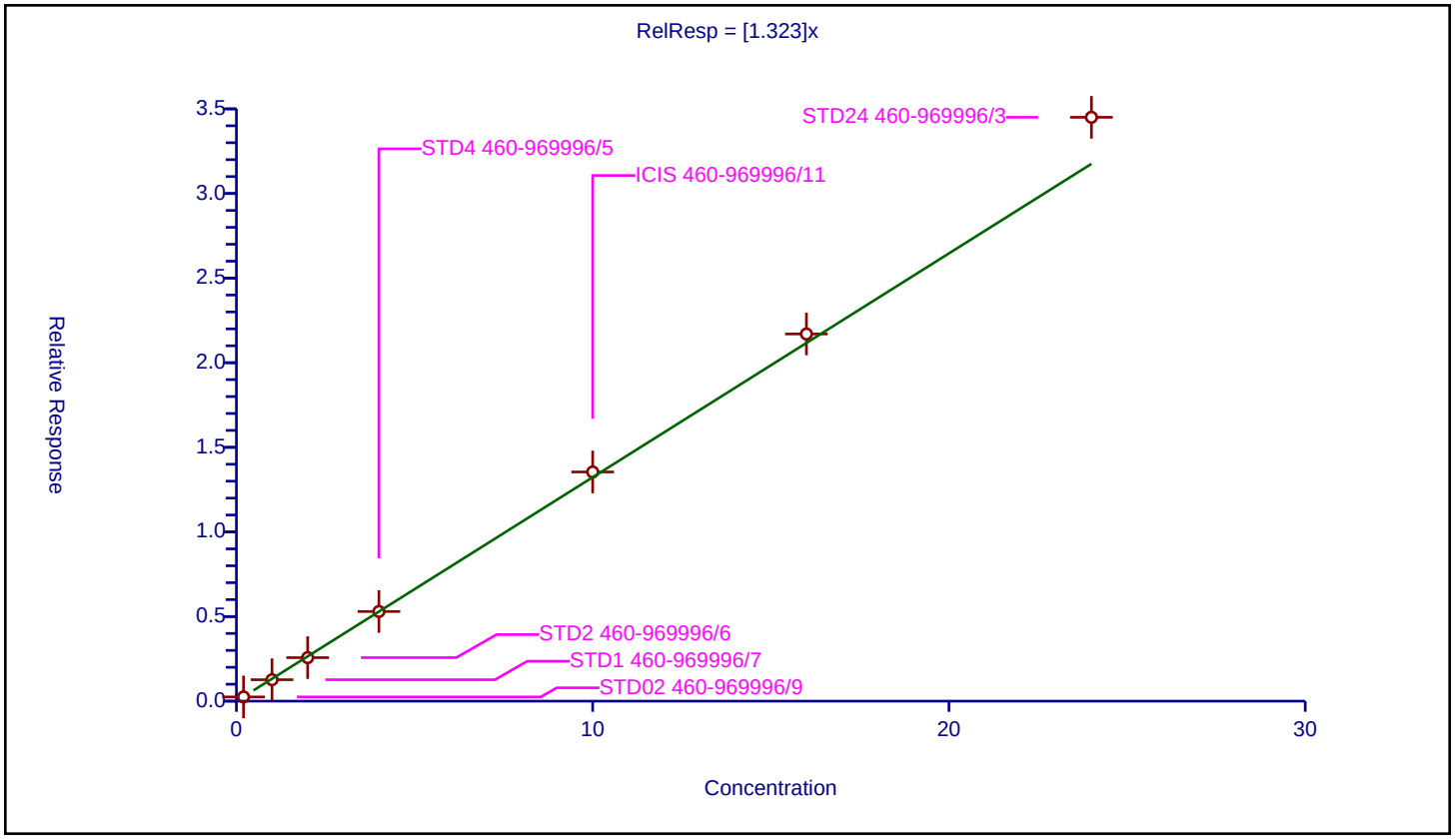
Curve Coefficients

Intercept:	0
Slope:	1.323

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.247394	8.0	584589.0	1.236972	Y
2	STD1 460-969996/7	1.0	1.266159	8.0	604480.0	1.266159	Y
3	STD2 460-969996/6	2.0	2.570598	8.0	575144.0	1.285299	Y
4	STD4 460-969996/5	4.0	5.297847	8.0	595916.0	1.324462	Y
5	ICIS 460-969996/11	10.0	13.543259	8.0	556298.0	1.354326	Y
6	STD16 460-969996/4	16.0	21.698807	8.0	574137.0	1.356175	Y
7	STD24 460-969996/3	24.0	34.502246	8.0	570521.0	1.437594	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

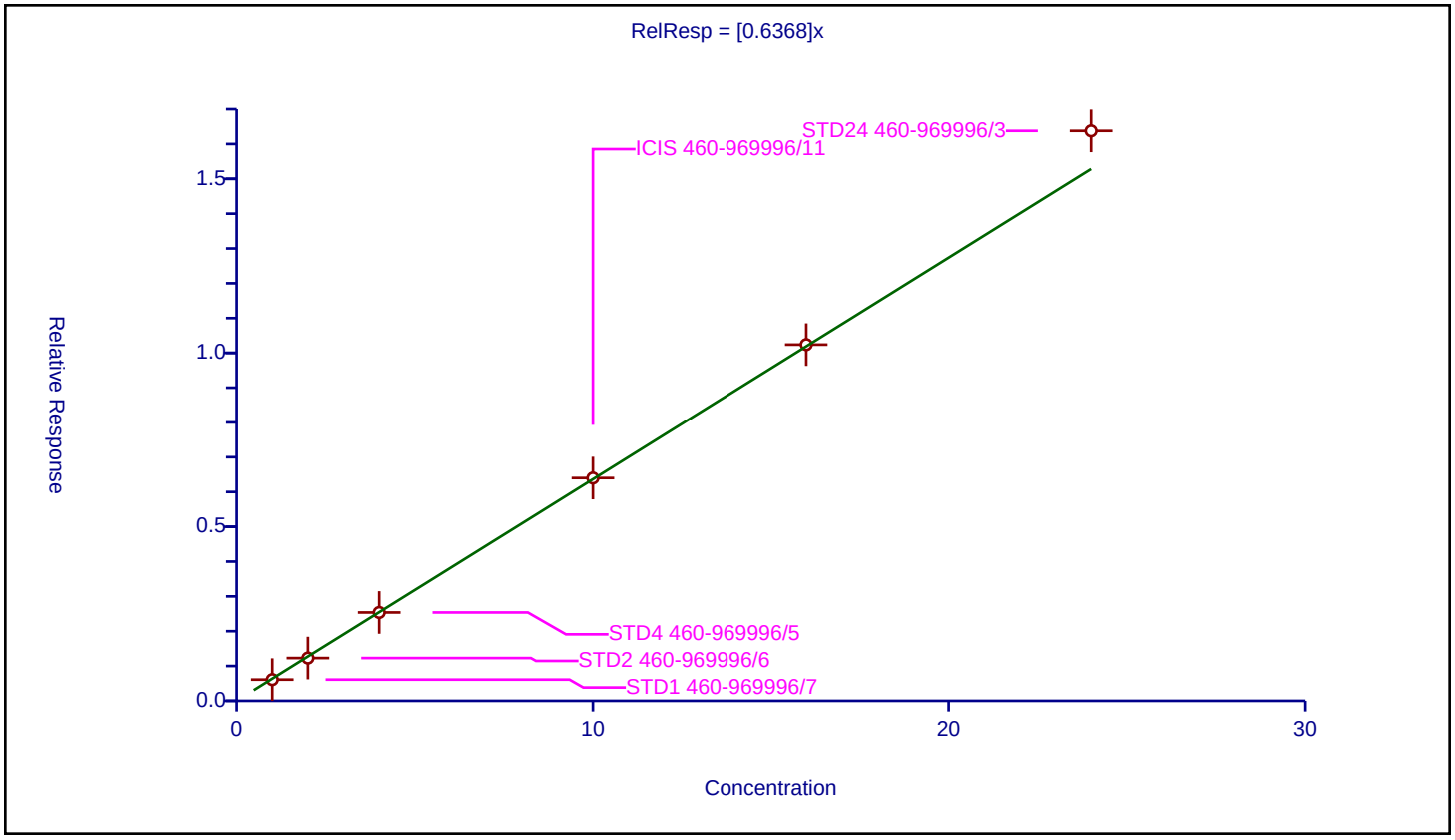
Curve Coefficients

Intercept:	0
Slope:	0.6368

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.60896	8.0	604480.0	0.60896	Y
2	STD2 460-969996/6	2.0	1.229257	8.0	575144.0	0.614629	Y
3	STD4 460-969996/5	4.0	2.53876	8.0	595916.0	0.63469	Y
4	ICIS 460-969996/11	10.0	6.401591	8.0	556298.0	0.640159	Y
5	STD16 460-969996/4	16.0	10.237306	8.0	574137.0	0.639832	Y
6	STD24 460-969996/3	24.0	16.37755	8.0	570521.0	0.682398	Y



Calibration / 4-Nitroaniline

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

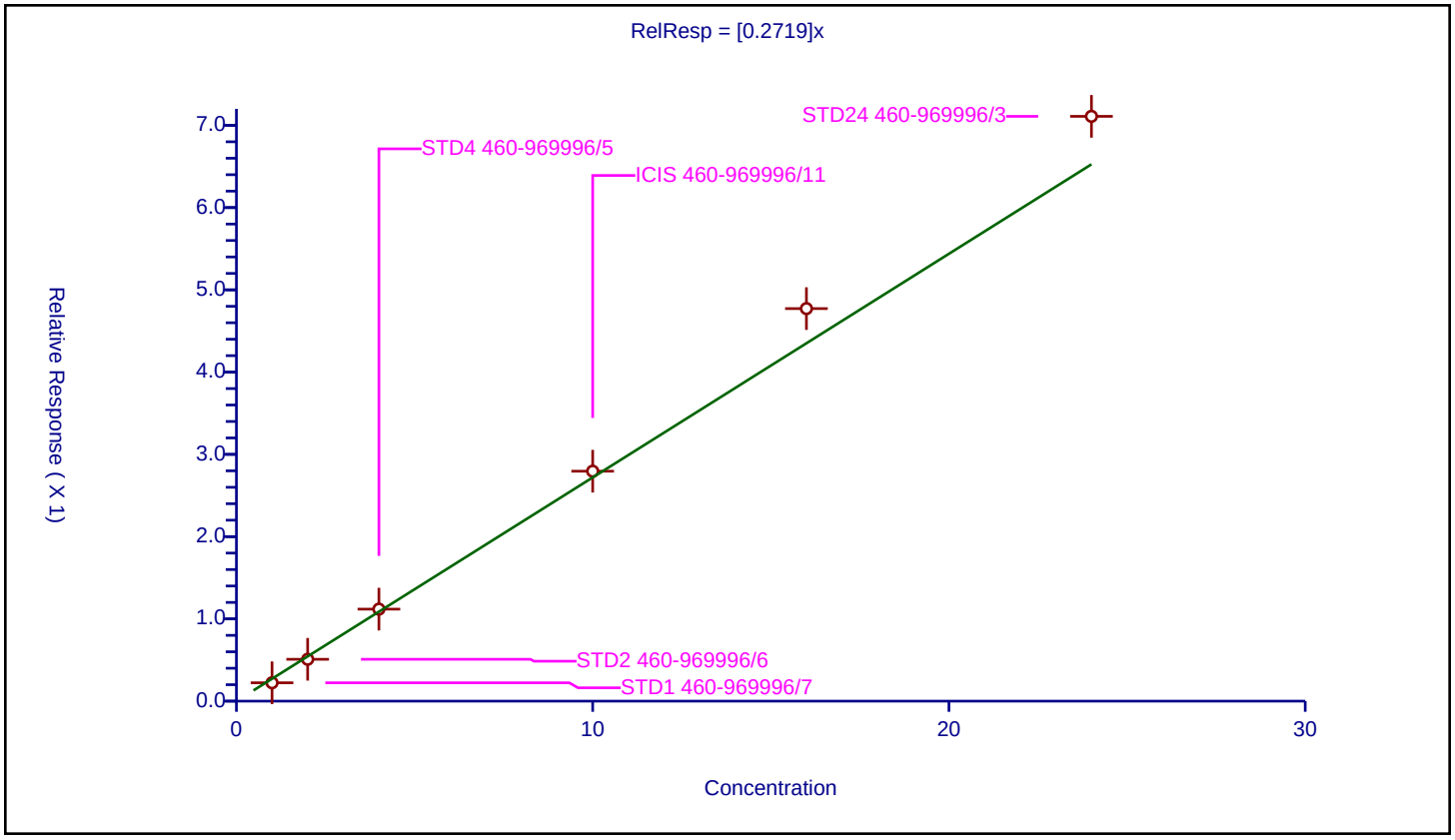
Curve Coefficients

Intercept:	0
Slope:	0.2719

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.223412	8.0	604480.0	0.223412	Y
2	STD2 460-969996/6	2.0	0.508867	8.0	575144.0	0.254434	Y
3	STD4 460-969996/5	4.0	1.118466	8.0	595916.0	0.279617	Y
4	ICIS 460-969996/11	10.0	2.795523	8.0	556298.0	0.279552	Y
5	STD16 460-969996/4	16.0	4.772324	8.0	574137.0	0.29827	Y
6	STD24 460-969996/3	24.0	7.109488	8.0	570521.0	0.296229	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

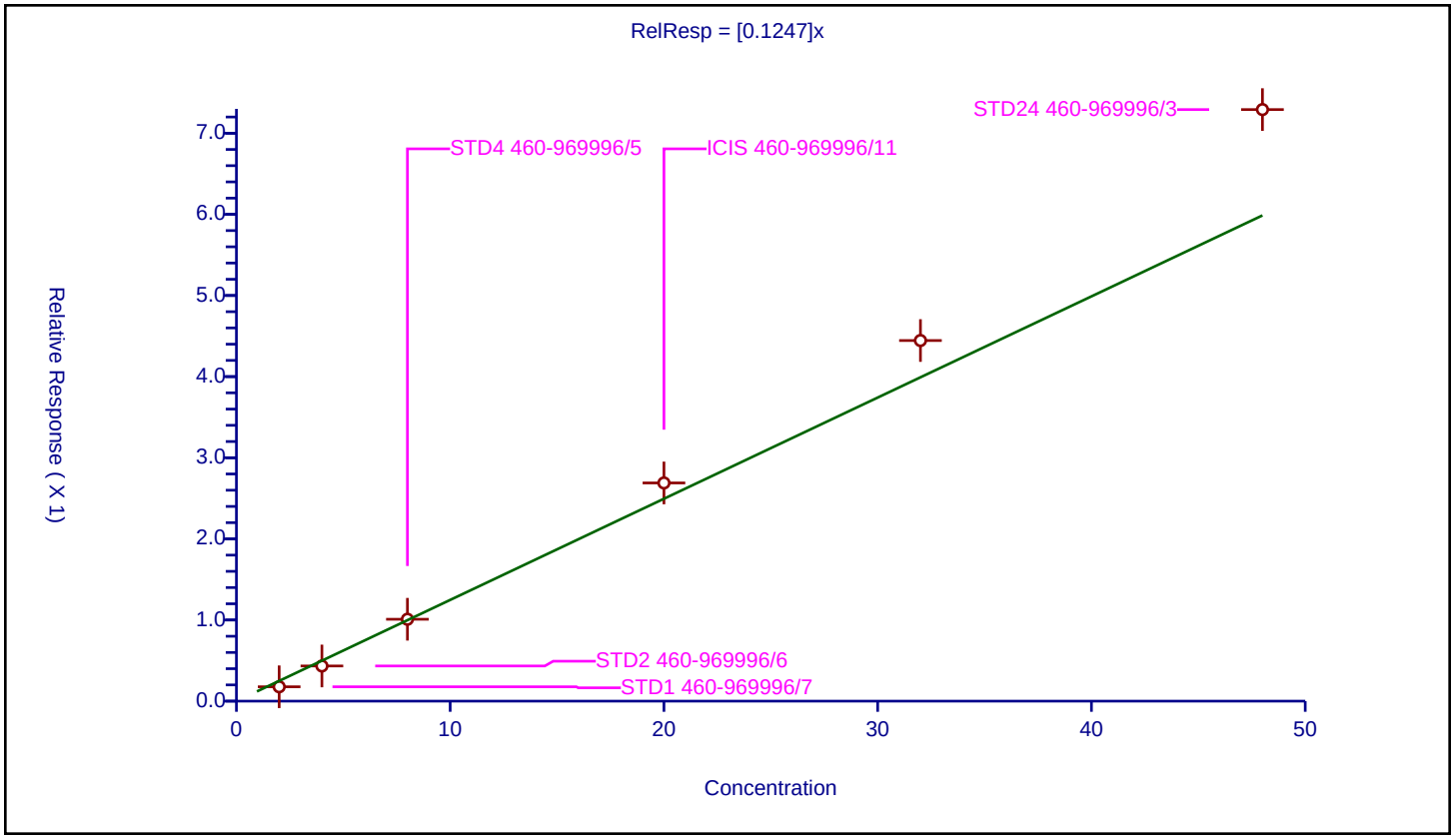
Curve Coefficients

Intercept:	0
Slope:	0.1247

Error Coefficients

Relative Standard Deviation:	18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	2.0	0.17702	8.0	1128282.0	0.08851	Y
2	STD2 460-969996/6	4.0	0.433589	8.0	1055599.0	0.108397	Y
3	STD4 460-969996/5	8.0	1.009418	8.0	1067586.0	0.126177	Y
4	ICIS 460-969996/11	20.0	2.689448	8.0	978226.0	0.134472	Y
5	STD16 460-969996/4	32.0	4.445004	8.0	1028684.0	0.138906	Y
6	STD24 460-969996/3	48.0	7.291593	8.0	994999.0	0.151908	Y



Calibration / N-Nitrosodiphenylamine

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

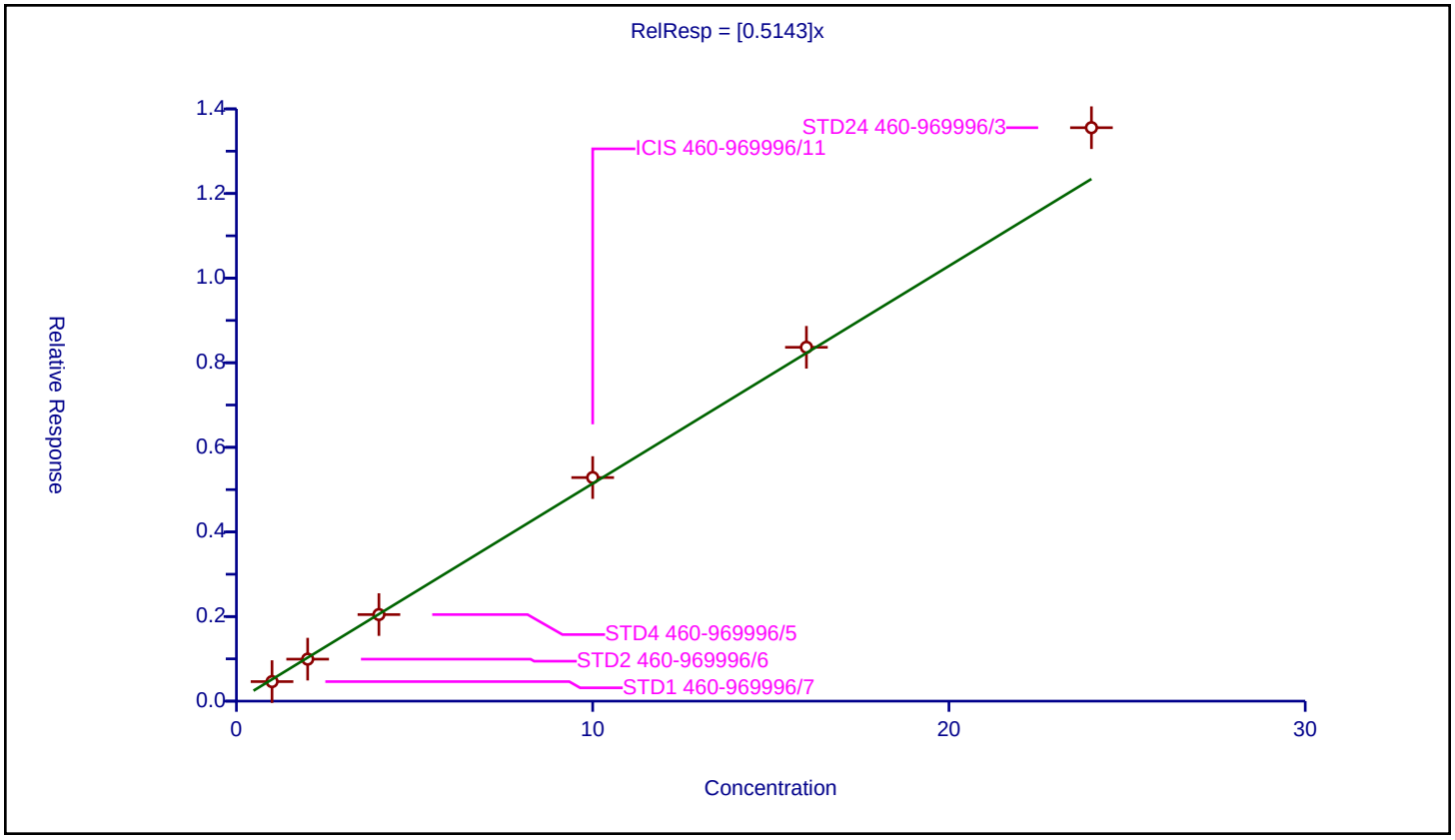
Curve Coefficients

Intercept:	0
Slope:	0.5143

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.461814	8.0	1128282.0	0.461814	Y
2	STD2 460-969996/6	2.0	0.992513	8.0	1055599.0	0.496257	Y
3	STD4 460-969996/5	4.0	2.046786	8.0	1067586.0	0.511696	Y
4	ICIS 460-969996/11	10.0	5.285118	8.0	978226.0	0.528512	Y
5	STD16 460-969996/4	16.0	8.364707	8.0	1028684.0	0.522794	Y
6	STD24 460-969996/3	24.0	13.555648	8.0	994999.0	0.564819	Y



Calibration / 1,2-Diphenylhydrazine

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

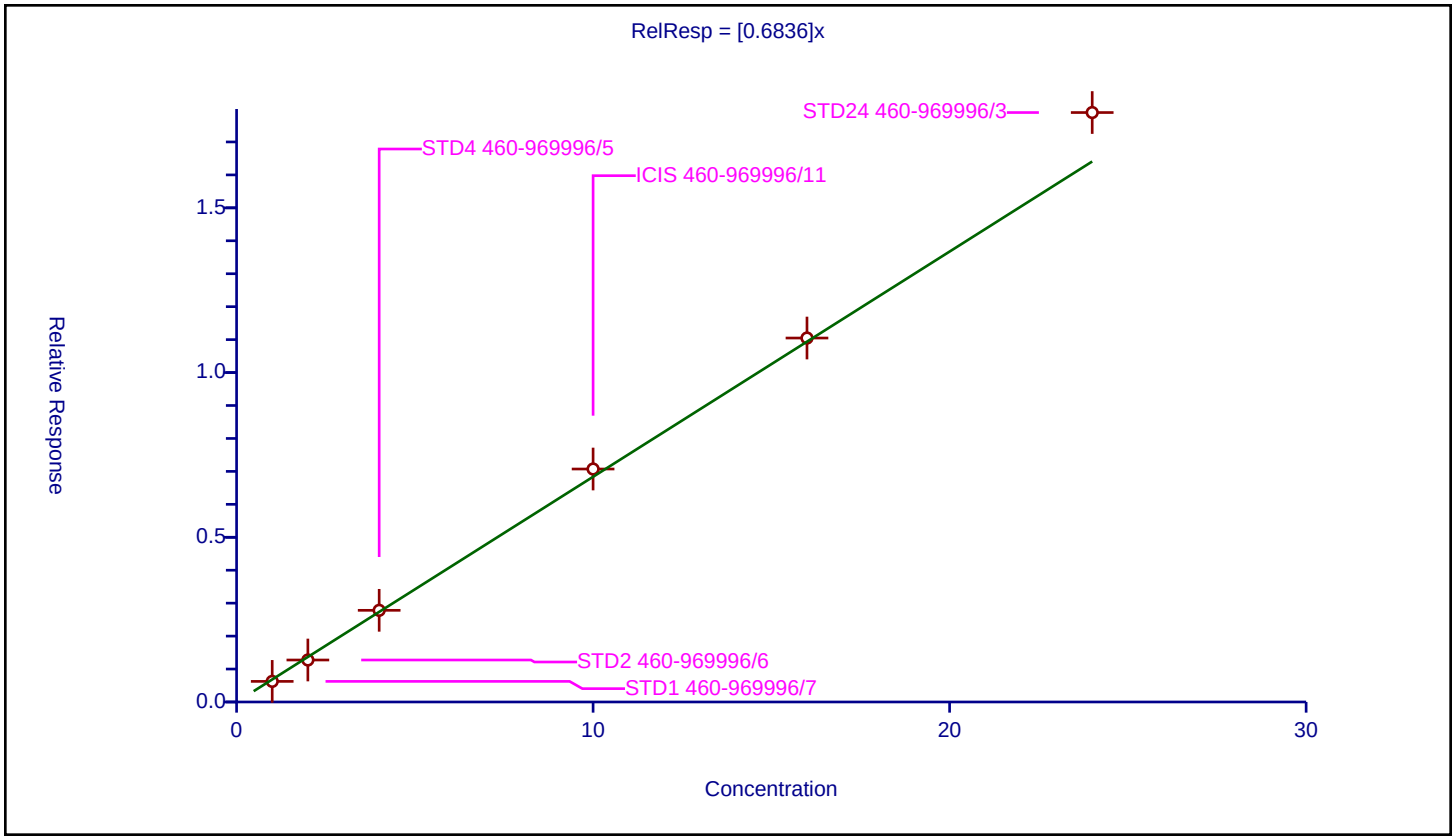
Curve Coefficients

Intercept:	0
Slope:	0.6836

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.625702	8.0	1128282.0	0.625702	Y
2	STD2 460-969996/6	2.0	1.274529	8.0	1055599.0	0.637265	Y
3	STD4 460-969996/5	4.0	2.782539	8.0	1067586.0	0.695635	Y
4	ICIS 460-969996/11	10.0	7.072018	8.0	978226.0	0.707202	Y
5	STD16 460-969996/4	16.0	11.047941	8.0	1028684.0	0.690496	Y
6	STD24 460-969996/3	24.0	17.892858	8.0	994999.0	0.745536	Y



Calibration / Azobenzene

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

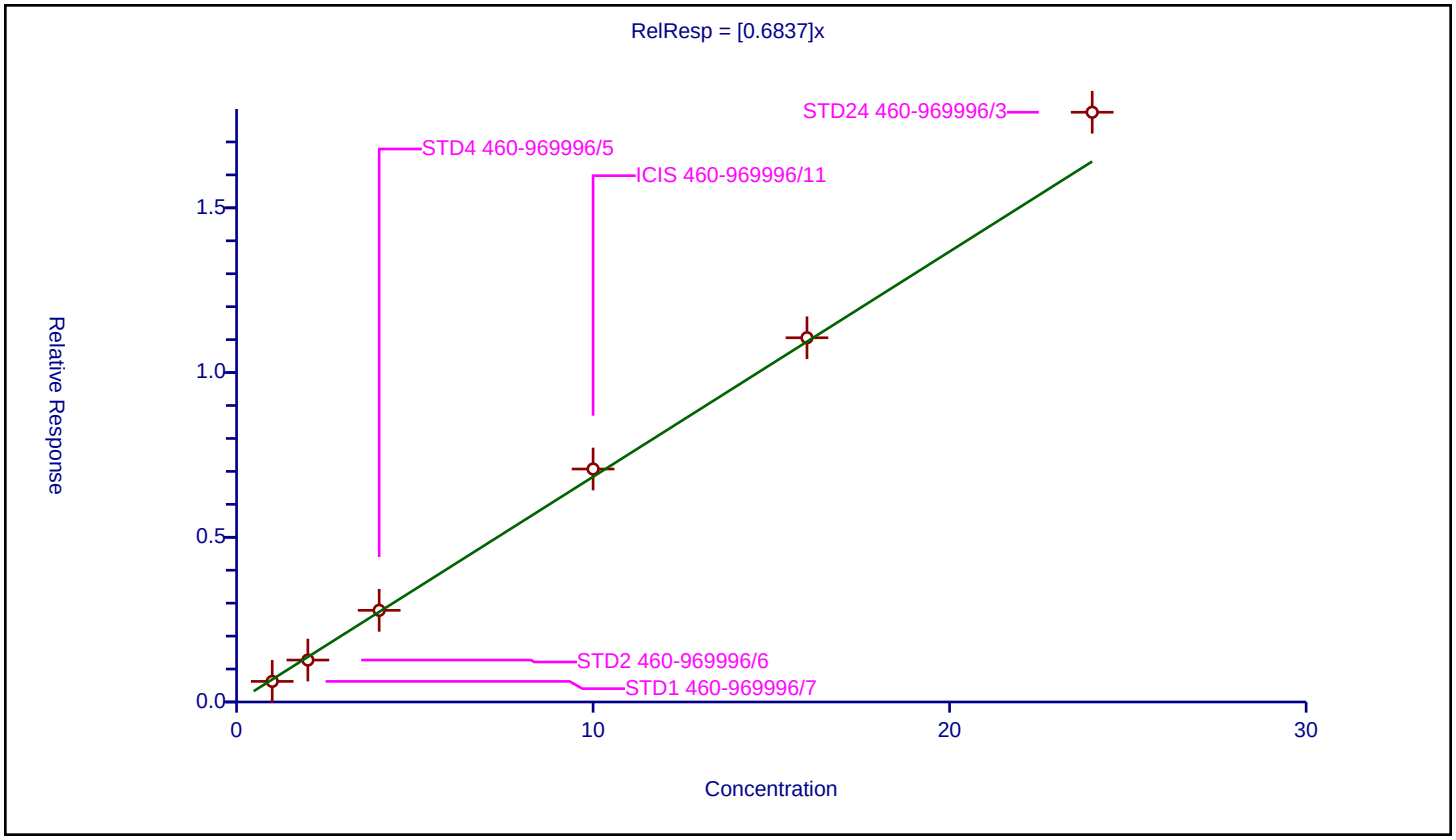
Curve Coefficients

Intercept:	0
Slope:	0.6837

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.625702	8.0	1128282.0	0.625702	Y
2	STD2 460-969996/6	2.0	1.273143	8.0	1055599.0	0.636571	Y
3	STD4 460-969996/5	4.0	2.782255	8.0	1067586.0	0.695564	Y
4	ICIS 460-969996/11	10.0	7.072304	8.0	978226.0	0.70723	Y
5	STD16 460-969996/4	16.0	11.056348	8.0	1028684.0	0.691022	Y
6	STD24 460-969996/3	24.0	17.901775	8.0	994999.0	0.745907	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

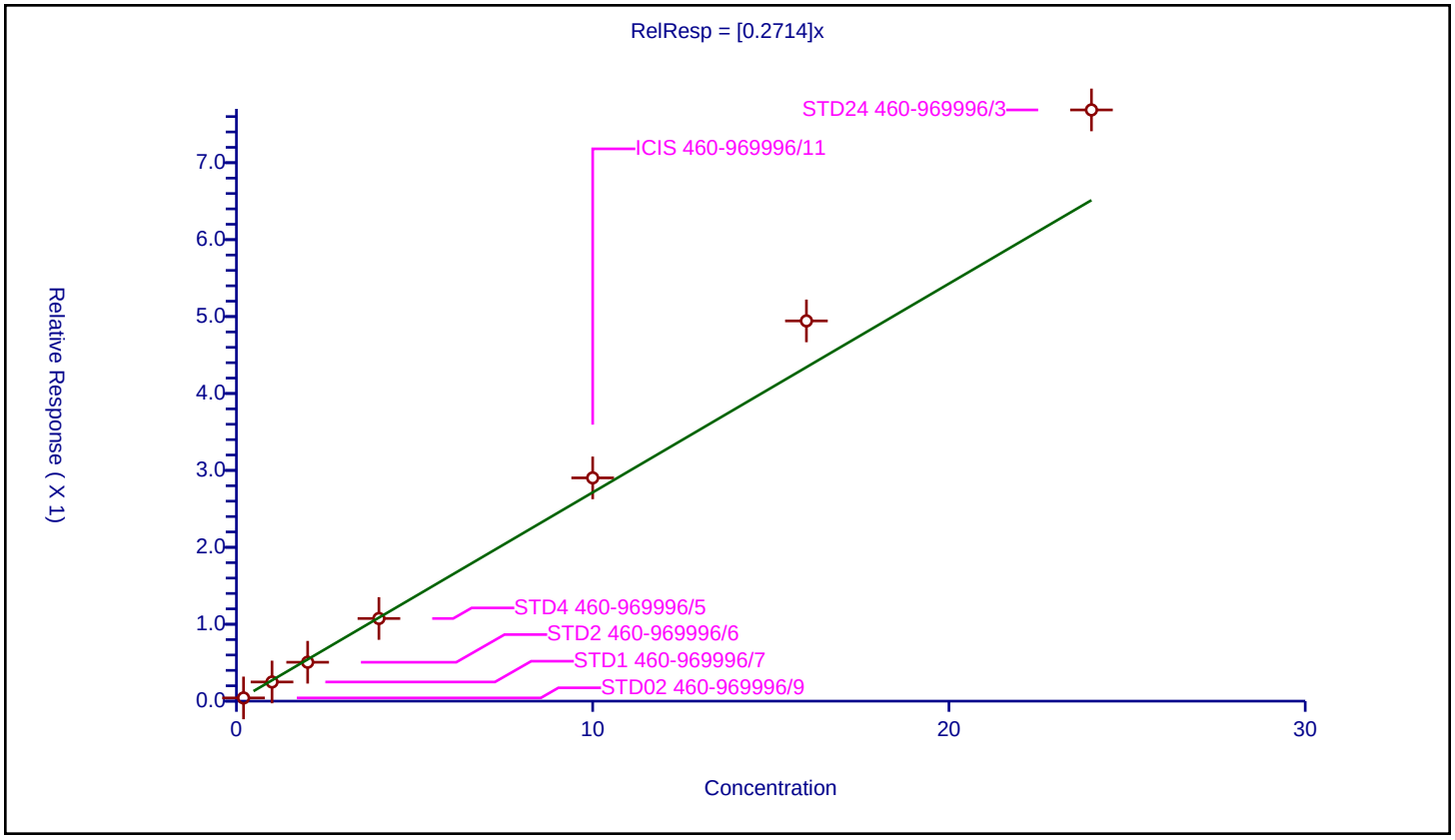
Curve Coefficients

Intercept:	0
Slope:	0.2714

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.041876	8.0	584589.0	0.209378	Y
2	STD1 460-969996/7	1.0	0.249153	8.0	604480.0	0.249153	Y
3	STD2 460-969996/6	2.0	0.505835	8.0	575144.0	0.252918	Y
4	STD4 460-969996/5	4.0	1.074769	8.0	595916.0	0.268692	Y
5	ICIS 460-969996/11	10.0	2.902718	8.0	556298.0	0.290272	Y
6	STD16 460-969996/4	16.0	4.943712	8.0	574137.0	0.308982	Y
7	STD24 460-969996/3	24.0	7.686392	8.0	570521.0	0.320266	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

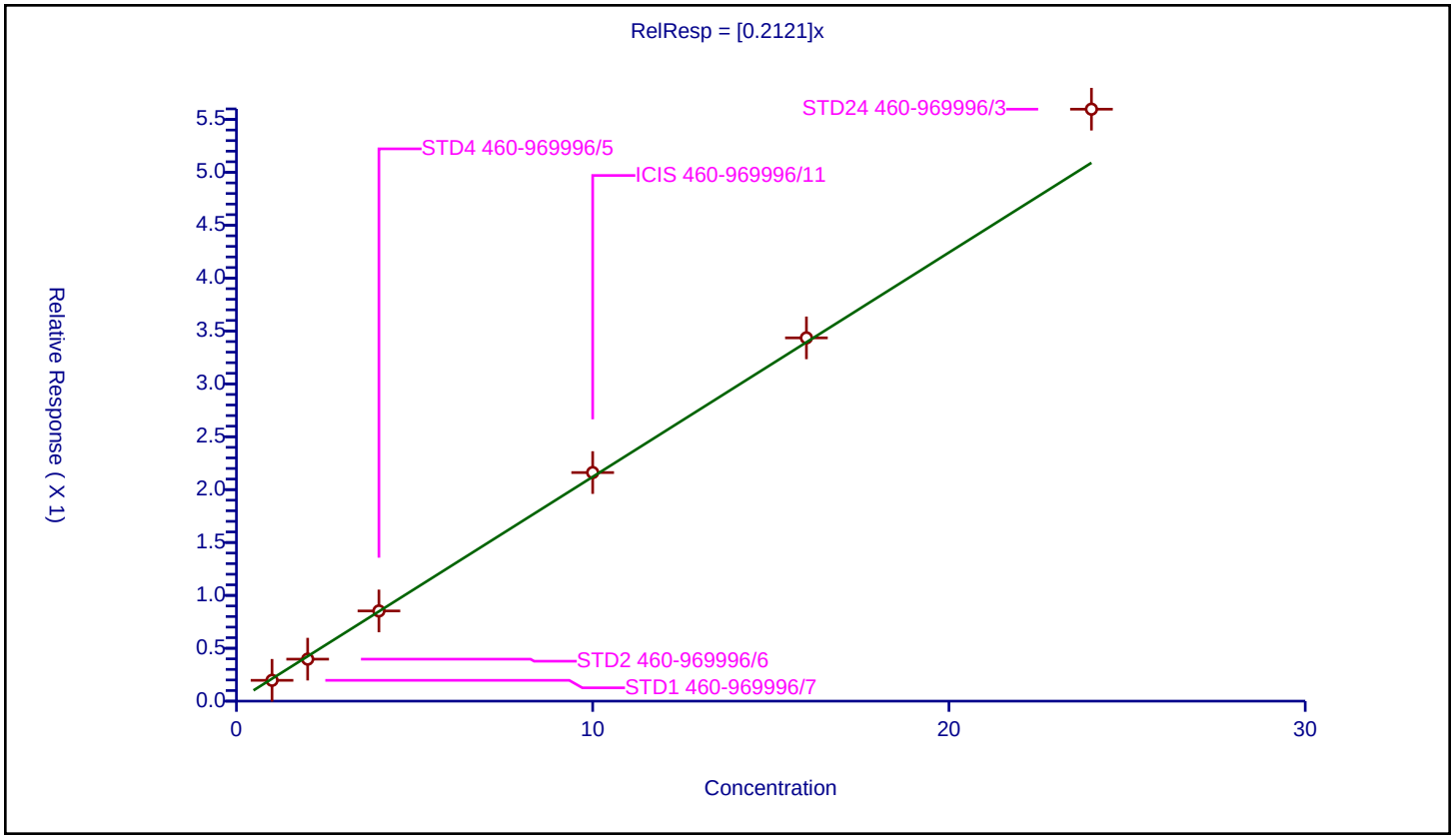
Curve Coefficients

Intercept:	0
Slope:	0.2121

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.196809	8.0	1128282.0	0.196809	Y
2	STD2 460-969996/6	2.0	0.396961	8.0	1055599.0	0.198481	Y
3	STD4 460-969996/5	4.0	0.852915	8.0	1067586.0	0.213229	Y
4	ICIS 460-969996/11	10.0	2.161398	8.0	978226.0	0.21614	Y
5	STD16 460-969996/4	16.0	3.435014	8.0	1028684.0	0.214688	Y
6	STD24 460-969996/3	24.0	5.597272	8.0	994999.0	0.23322	Y



Calibration / Hexachlorobenzene

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

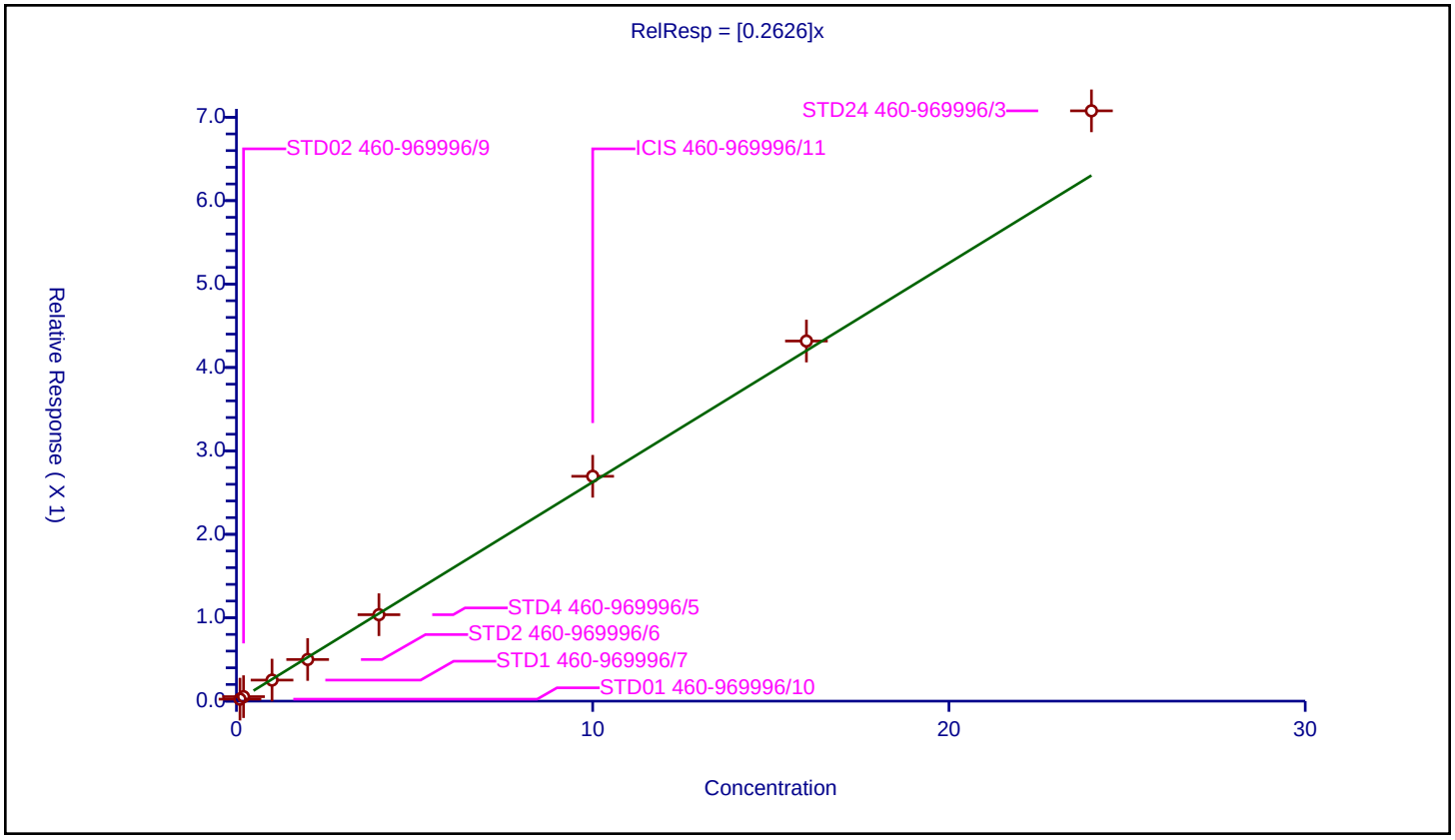
Curve Coefficients

Intercept:	0
Slope:	0.2626

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.023672	8.0	1163587.0	0.236716	Y
2	STD02 460-969996/9	0.2	0.05375	8.0	1058677.0	0.268751	Y
3	STD1 460-969996/7	1.0	0.252419	8.0	1128282.0	0.252419	Y
4	STD2 460-969996/6	2.0	0.499243	8.0	1055599.0	0.249621	Y
5	STD4 460-969996/5	4.0	1.036222	8.0	1067586.0	0.259055	Y
6	ICIS 460-969996/11	10.0	2.695753	8.0	978226.0	0.269575	Y
7	STD16 460-969996/4	16.0	4.316949	8.0	1028684.0	0.269809	Y
8	STD24 460-969996/3	24.0	7.076727	8.0	994999.0	0.294864	Y



Calibration / Atrazine

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

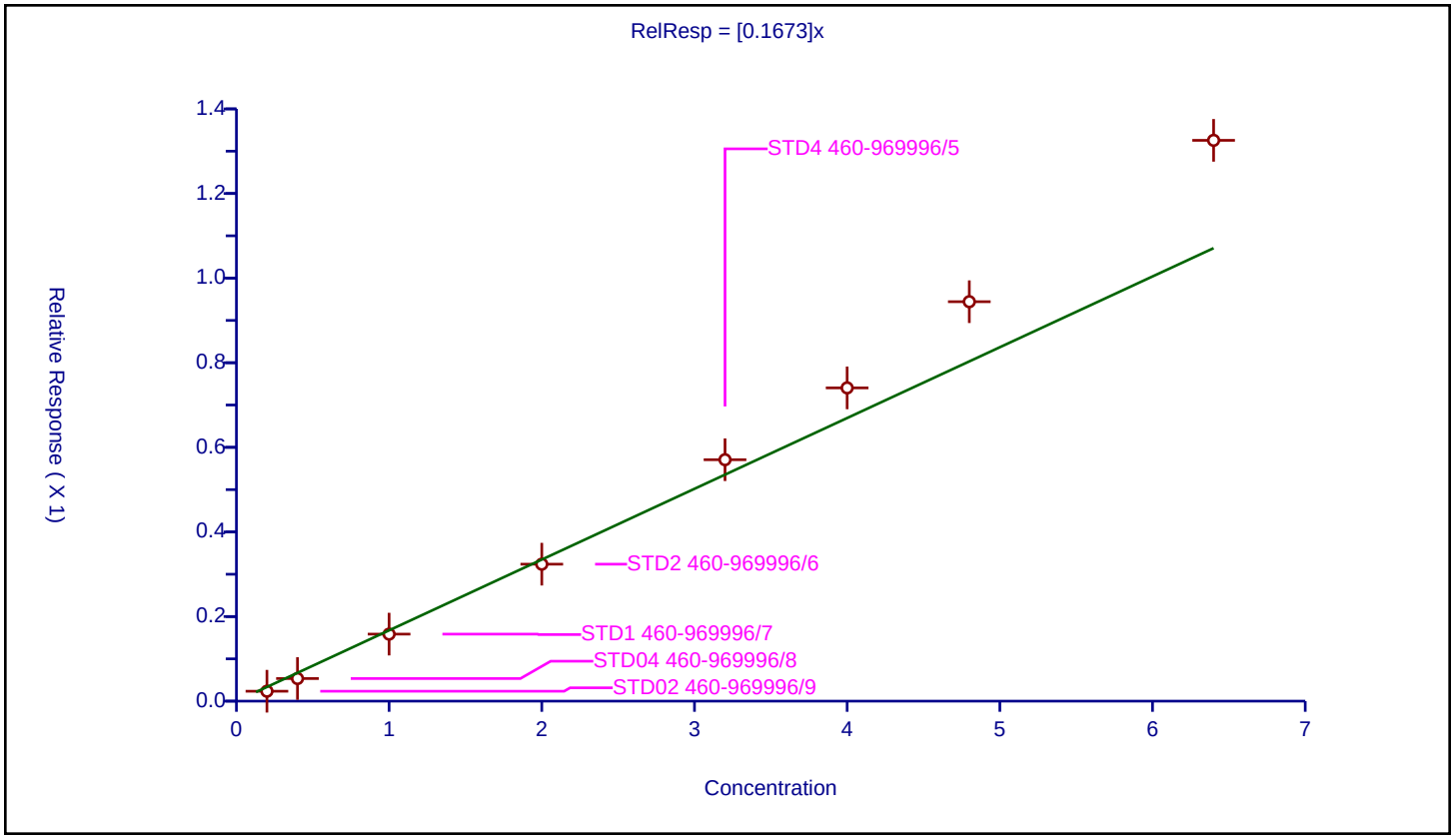
Curve Coefficients

Intercept:	0
Slope:	0.1673

Error Coefficients

Relative Standard Deviation:	18.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.023456	8.0	1058677.0	0.117278	Y
2	STD04 460-969996/8	0.4	0.053424	8.0	1138073.0	0.133559	Y
3	STD1 460-969996/7	1.0	0.15845	8.0	1128282.0	0.15845	Y
4	STD2 460-969996/6	2.0	0.32379	8.0	1055599.0	0.161895	Y
5	STD4 460-969996/5	3.2	0.570686	8.0	1067586.0	0.178339	Y
6	ICIS 460-969996/11	4.0	0.740508	8.0	978226.0	0.185127	Y
7	STD16 460-969996/4	4.8	0.944212	8.0	1028684.0	0.196711	Y
8	STD24 460-969996/3	6.4	1.32567	8.0	994999.0	0.207136	Y



Calibration / Pentachlorophenol

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

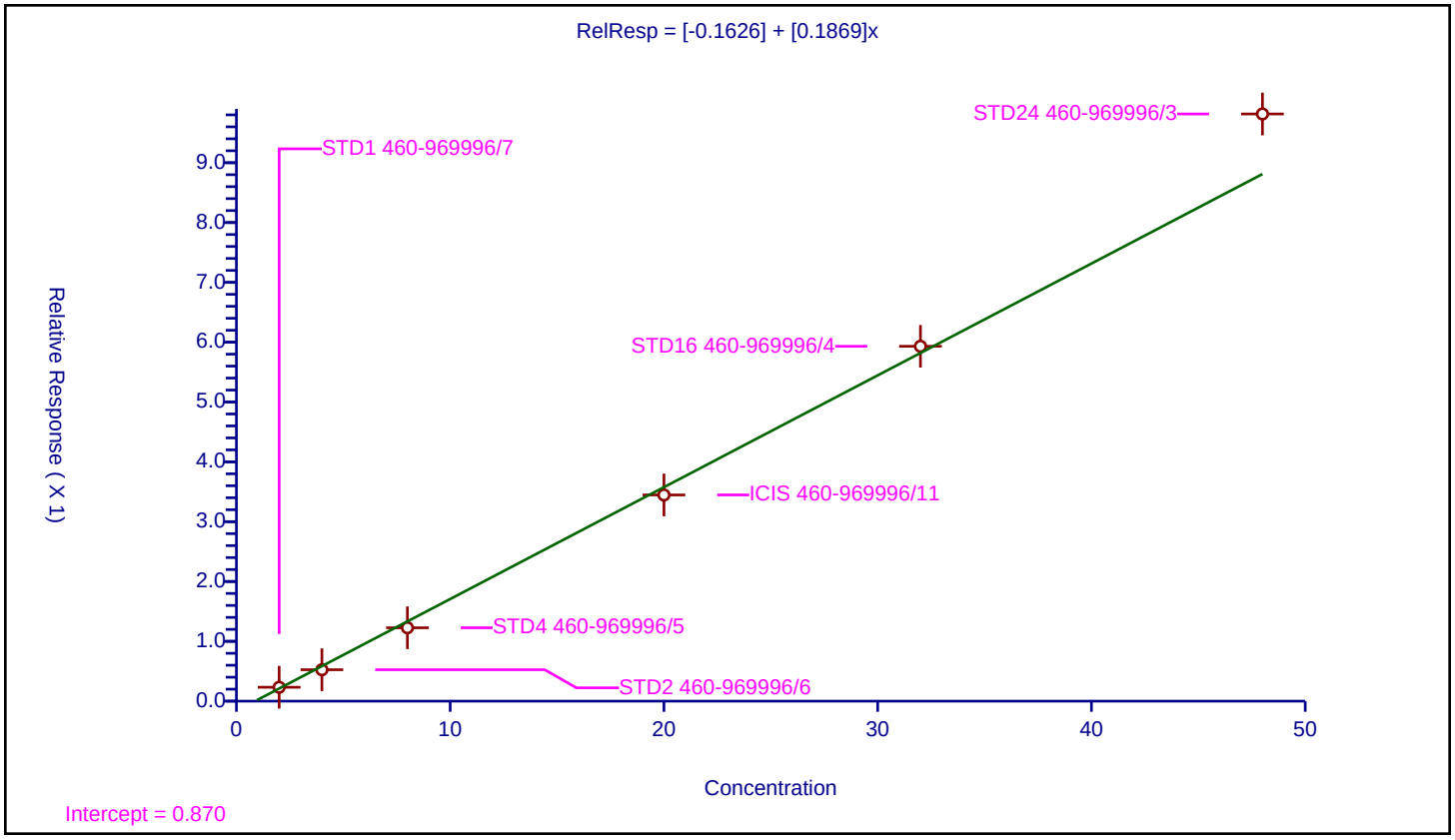
Curve Coefficients

Intercept:	-0.1626
Slope:	0.1869

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	2.0	0.232098	8.0	1128282.0	0.116049	Y
2	STD2 460-969996/6	4.0	0.524904	8.0	1055599.0	0.131226	Y
3	STD4 460-969996/5	8.0	1.2264	8.0	1067586.0	0.1533	Y
4	ICIS 460-969996/11	20.0	3.446835	8.0	978226.0	0.172342	Y
5	STD16 460-969996/4	32.0	5.931649	8.0	1028684.0	0.185364	Y
6	STD24 460-969996/3	48.0	9.814884	8.0	994999.0	0.204477	Y



Calibration / Pentachloronitrobenzene

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

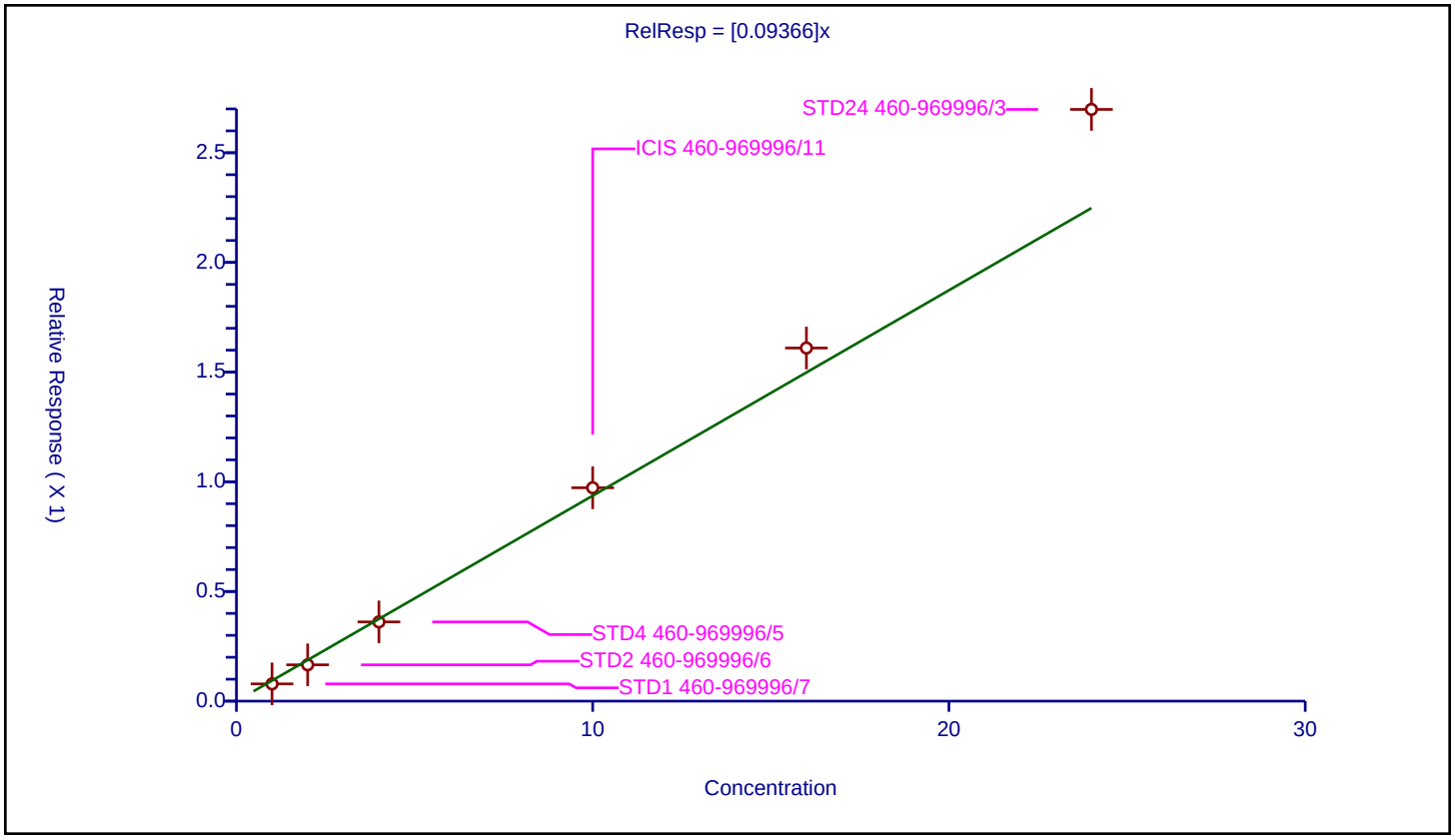
Curve Coefficients

Intercept:	0
Slope:	0.09366

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.078569	8.0	1128282.0	0.078569	Y
2	STD2 460-969996/6	2.0	0.165593	8.0	1055599.0	0.082797	Y
3	STD4 460-969996/5	4.0	0.361114	8.0	1067586.0	0.090278	Y
4	ICIS 460-969996/11	10.0	0.972822	8.0	978226.0	0.097282	Y
5	STD16 460-969996/4	16.0	1.609855	8.0	1028684.0	0.100616	Y
6	STD24 460-969996/3	24.0	2.697635	8.0	994999.0	0.112401	Y



Calibration / n-Octadecane

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

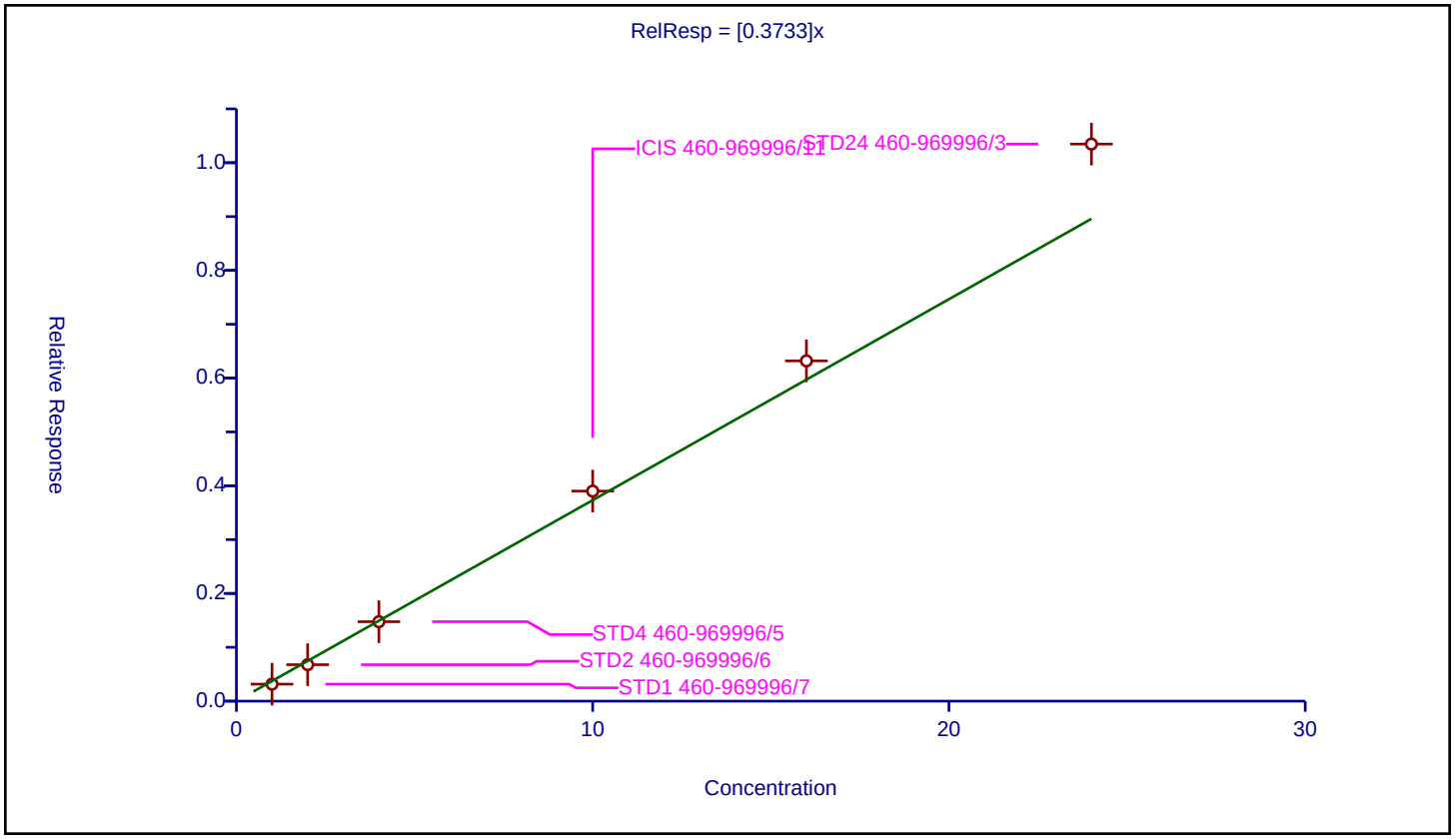
Curve Coefficients

Intercept:	0
Slope:	0.3733

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.316006	8.0	1128282.0	0.316006	Y
2	STD2 460-969996/6	2.0	0.676946	8.0	1055599.0	0.338473	Y
3	STD4 460-969996/5	4.0	1.475531	8.0	1067586.0	0.368883	Y
4	ICIS 460-969996/11	10.0	3.90107	8.0	978226.0	0.390107	Y
5	STD16 460-969996/4	16.0	6.319686	8.0	1028684.0	0.39498	Y
6	STD24 460-969996/3	24.0	10.346656	8.0	994999.0	0.431111	Y



Calibration / Phenanthrene

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

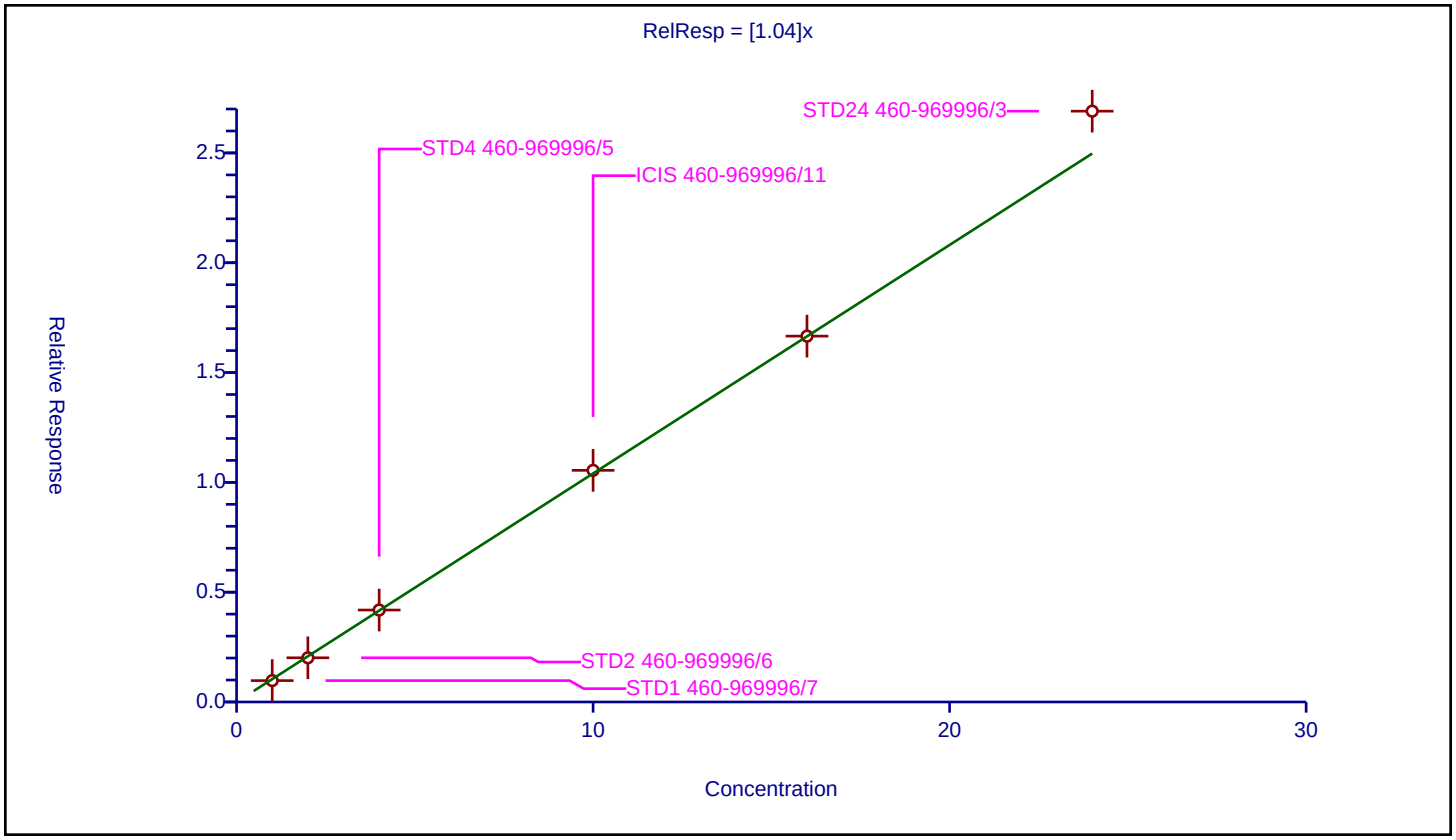
Curve Coefficients

Intercept:	0
Slope:	1.04

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.972856	8.0	1128282.0	0.972856	Y
2	STD2 460-969996/6	2.0	2.012893	8.0	1055599.0	1.006447	Y
3	STD4 460-969996/5	4.0	4.187376	8.0	1067586.0	1.046844	Y
4	ICIS 460-969996/11	10.0	10.547624	8.0	978226.0	1.054762	Y
5	STD16 460-969996/4	16.0	16.658675	8.0	1028684.0	1.041167	Y
6	STD24 460-969996/3	24.0	26.901189	8.0	994999.0	1.120883	Y



Calibration / Anthracene

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

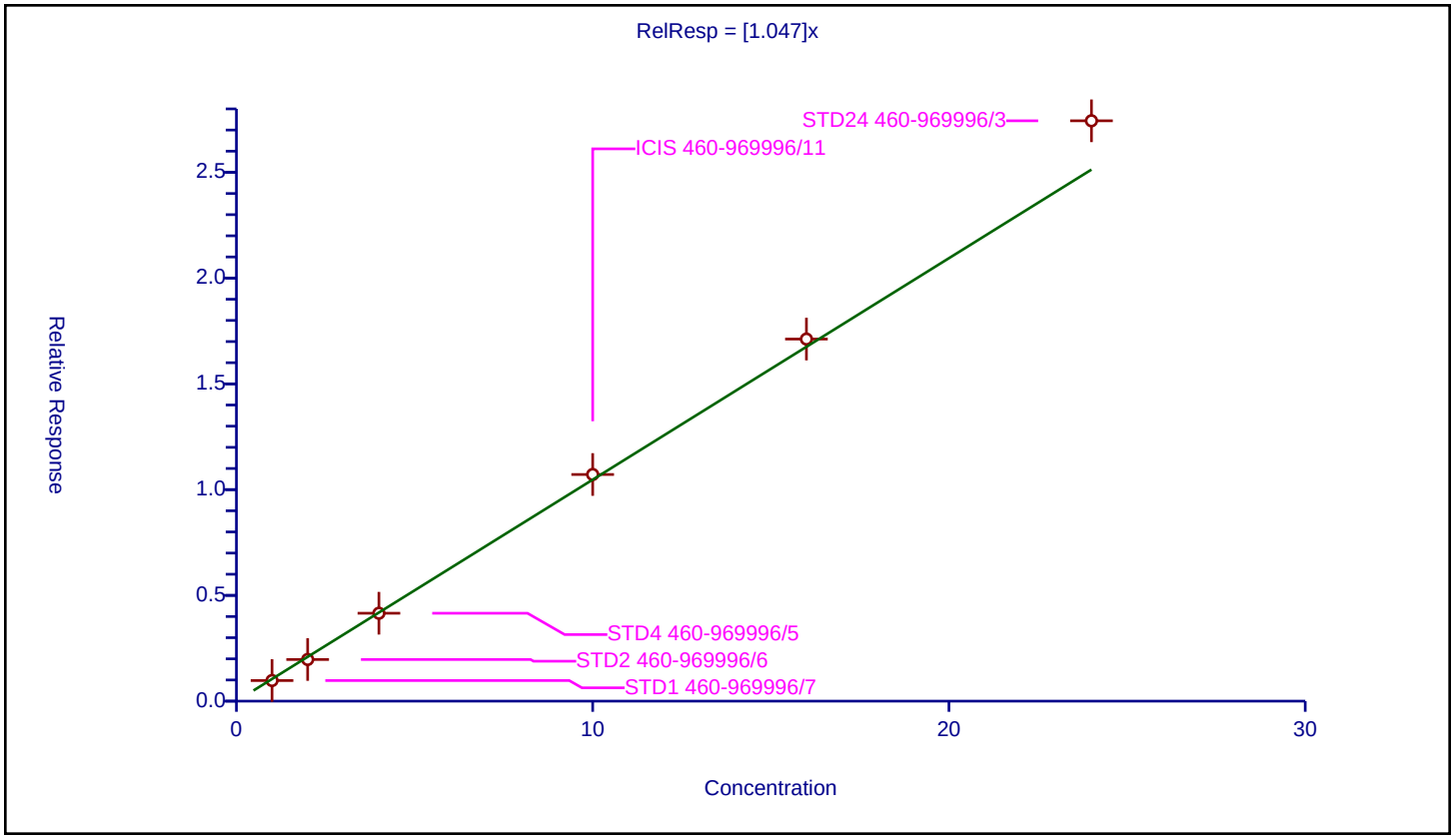
Curve Coefficients

Intercept:	0
Slope:	1.047

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.97443	8.0	1128282.0	0.97443	Y
2	STD2 460-969996/6	2.0	1.969058	8.0	1055599.0	0.984529	Y
3	STD4 460-969996/5	4.0	4.155334	8.0	1067586.0	1.038833	Y
4	ICIS 460-969996/11	10.0	10.715356	8.0	978226.0	1.071536	Y
5	STD16 460-969996/4	16.0	17.117887	8.0	1028684.0	1.069868	Y
6	STD24 460-969996/3	24.0	27.436683	8.0	994999.0	1.143195	Y



Calibration / Carbazole

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

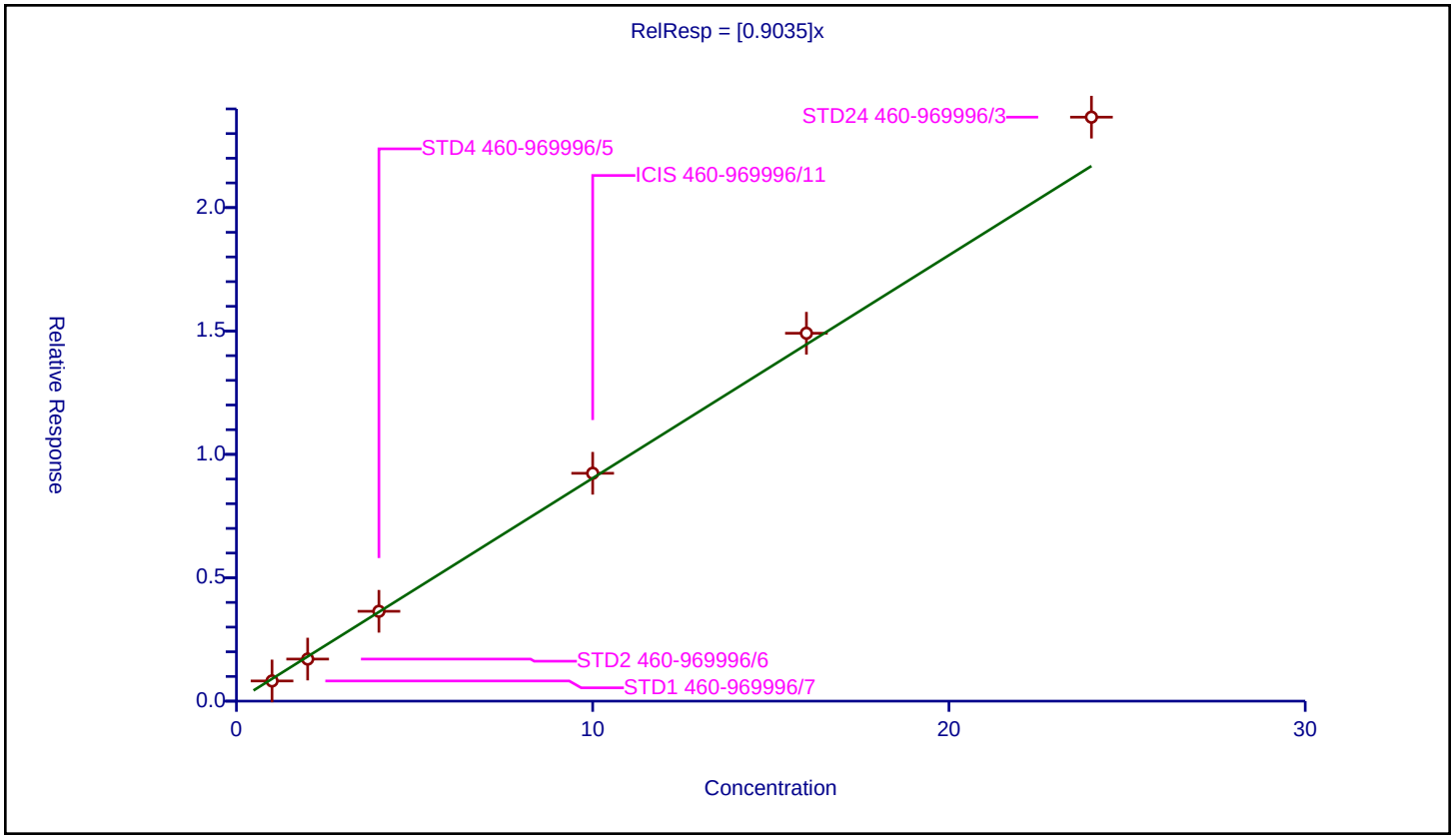
Curve Coefficients

Intercept:	0
Slope:	0.9035

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.817533	8.0	1128282.0	0.817533	Y
2	STD2 460-969996/6	2.0	1.704276	8.0	1055599.0	0.852138	Y
3	STD4 460-969996/5	4.0	3.640954	8.0	1067586.0	0.910239	Y
4	ICIS 460-969996/11	10.0	9.233694	8.0	978226.0	0.923369	Y
5	STD16 460-969996/4	16.0	14.909029	8.0	1028684.0	0.931814	Y
6	STD24 460-969996/3	24.0	23.665439	8.0	994999.0	0.98606	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

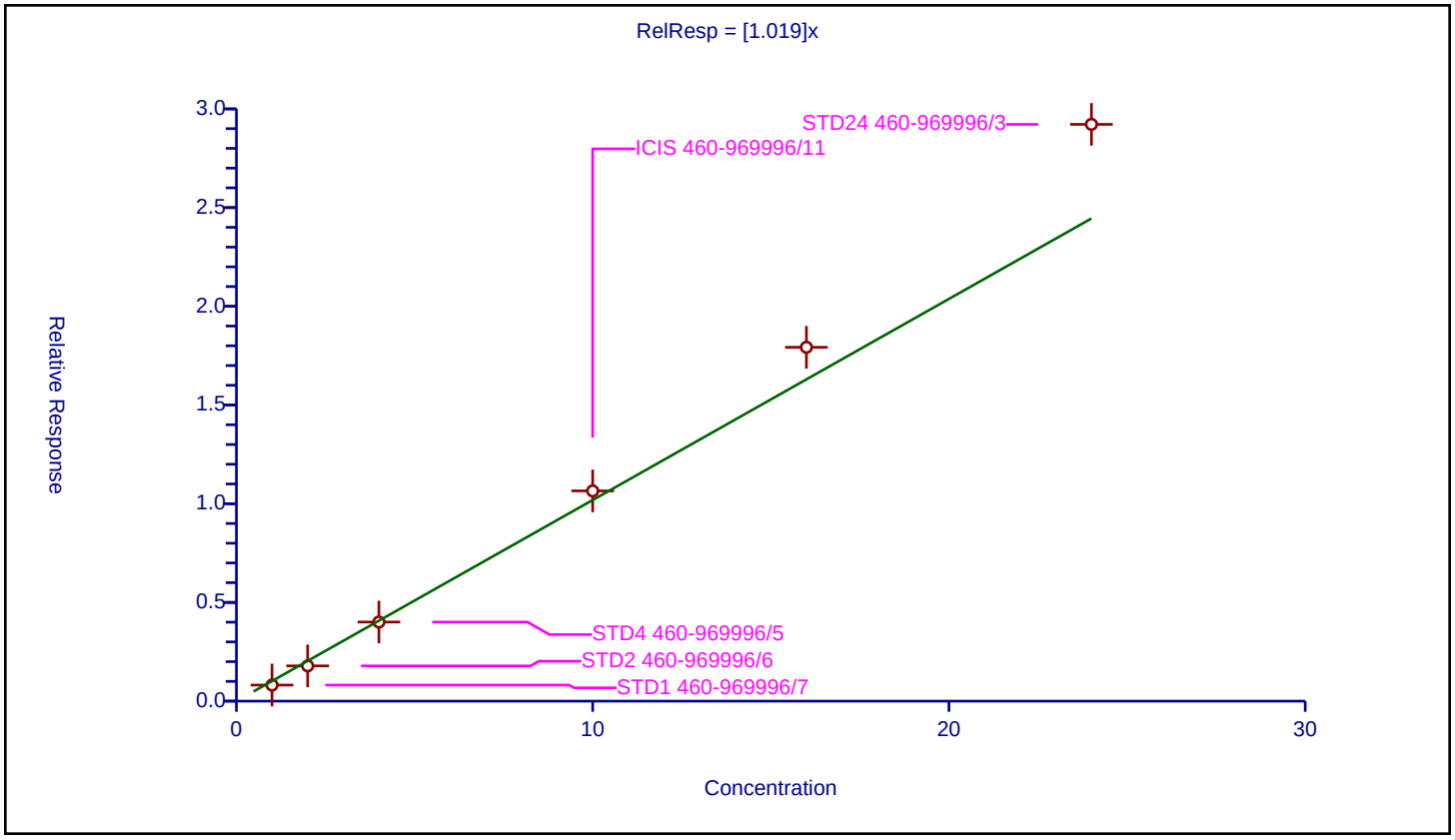
Curve Coefficients

Intercept:	0
Slope:	1.019

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.814633	8.0	1128282.0	0.814633	Y
2	STD2 460-969996/6	2.0	1.785951	8.0	1055599.0	0.892975	Y
3	STD4 460-969996/5	4.0	4.008138	8.0	1067586.0	1.002034	Y
4	ICIS 460-969996/11	10.0	10.648926	8.0	978226.0	1.064893	Y
5	STD16 460-969996/4	16.0	17.923716	8.0	1028684.0	1.120232	Y
6	STD24 460-969996/3	24.0	29.216729	8.0	994999.0	1.217364	Y



Calibration / Fluoranthene

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

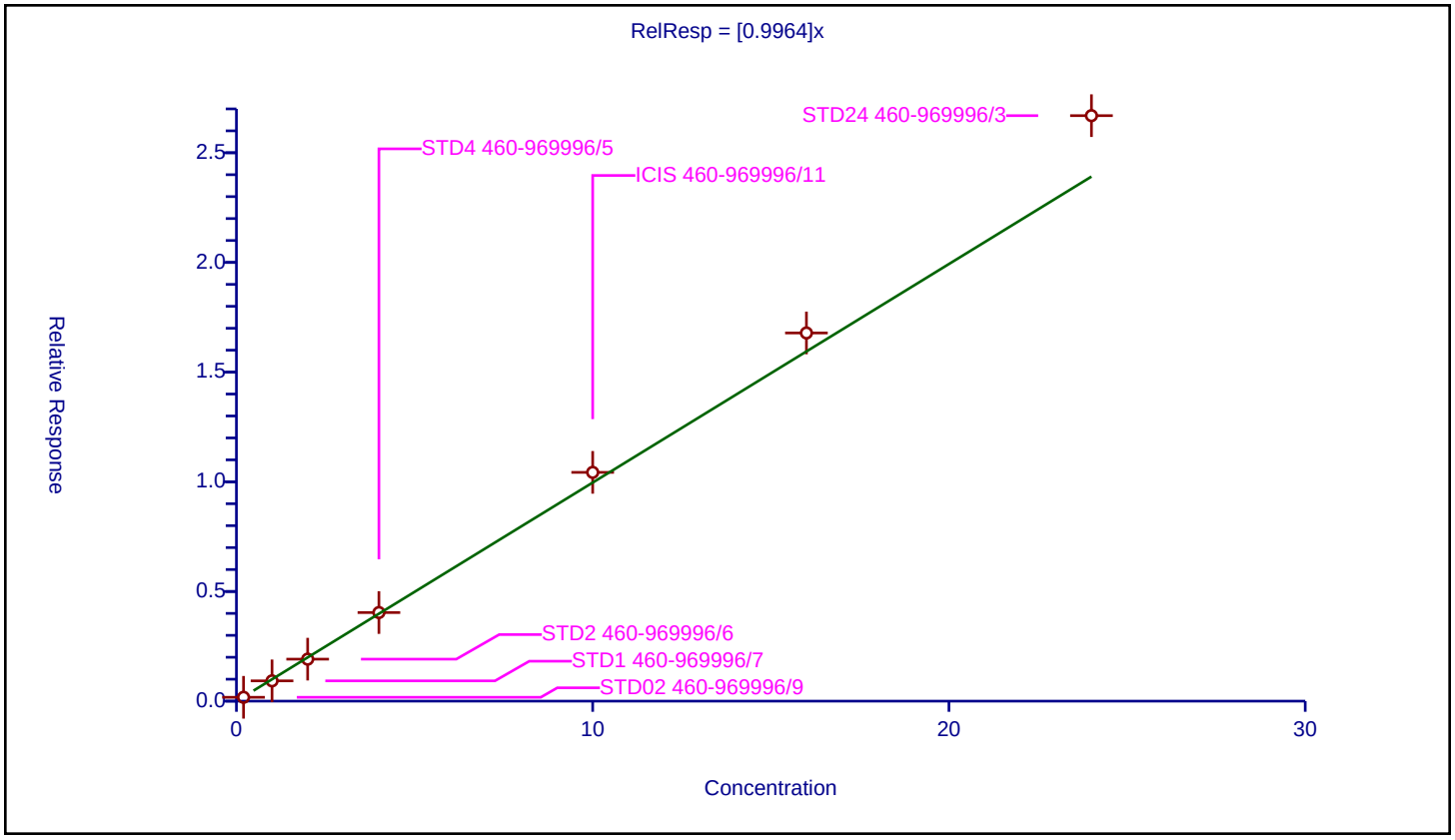
Curve Coefficients

Intercept:	0
Slope:	0.9964

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.175782	8.0	1058677.0	0.878908	Y
2	STD1 460-969996/7	1.0	0.924748	8.0	1128282.0	0.924748	Y
3	STD2 460-969996/6	2.0	1.914022	8.0	1055599.0	0.957011	Y
4	STD4 460-969996/5	4.0	4.039364	8.0	1067586.0	1.009841	Y
5	ICIS 460-969996/11	10.0	10.429042	8.0	978226.0	1.042904	Y
6	STD16 460-969996/4	16.0	16.785267	8.0	1028684.0	1.049079	Y
7	STD24 460-969996/3	24.0	26.691315	8.0	994999.0	1.112138	Y



Calibration / Benzidine

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

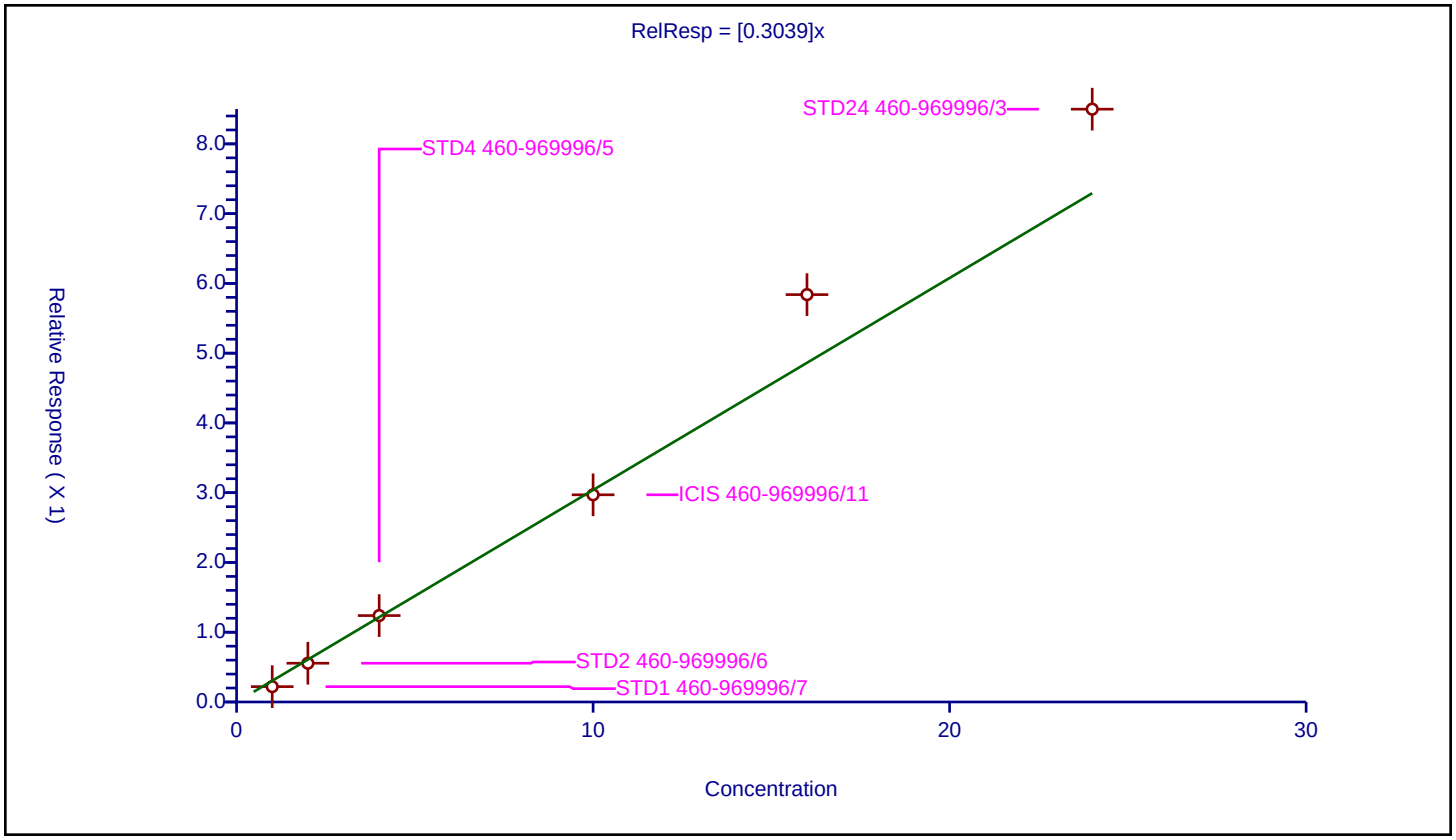
Curve Coefficients

Intercept:	0
Slope:	0.3039

Error Coefficients

Relative Standard Deviation:	17.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.21986	8.0	1128282.0	0.21986	Y
2	STD2 460-969996/6	2.0	0.555438	8.0	1055599.0	0.277719	Y
3	STD4 460-969996/5	4.0	1.23875	8.0	1067586.0	0.309687	Y
4	ICIS 460-969996/11	10.0	2.969817	8.0	978226.0	0.296982	Y
5	STD16 460-969996/4	16.0	5.839375	8.0	1028684.0	0.364961	Y
6	STD24 460-969996/3	24.0	8.497882	8.0	994999.0	0.354078	Y



Calibration / Pyrene

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

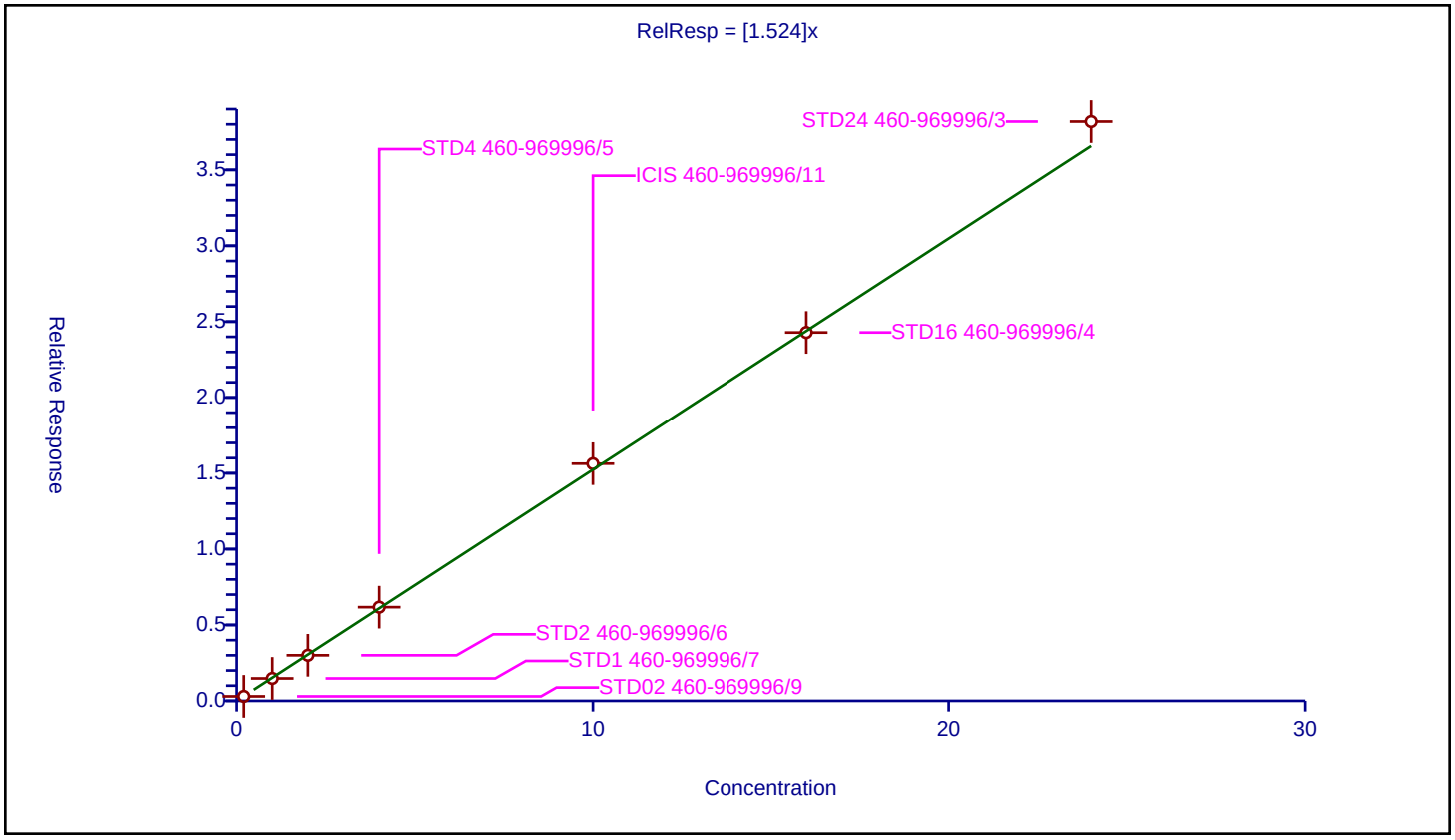
Curve Coefficients

Intercept:	0
Slope:	1.524

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.294803	8.0	655028.0	1.474013	Y
2	STD1 460-969996/7	1.0	1.477297	8.0	739686.0	1.477297	Y
3	STD2 460-969996/6	2.0	3.002044	8.0	705562.0	1.501022	Y
4	STD4 460-969996/5	4.0	6.172897	8.0	730100.0	1.543224	Y
5	ICIS 460-969996/11	10.0	15.63227	8.0	673821.0	1.563227	Y
6	STD16 460-969996/4	16.0	24.286523	8.0	739152.0	1.517908	Y
7	STD24 460-969996/3	24.0	38.180179	8.0	712545.0	1.590841	Y



Calibration / Bisphenol-A

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

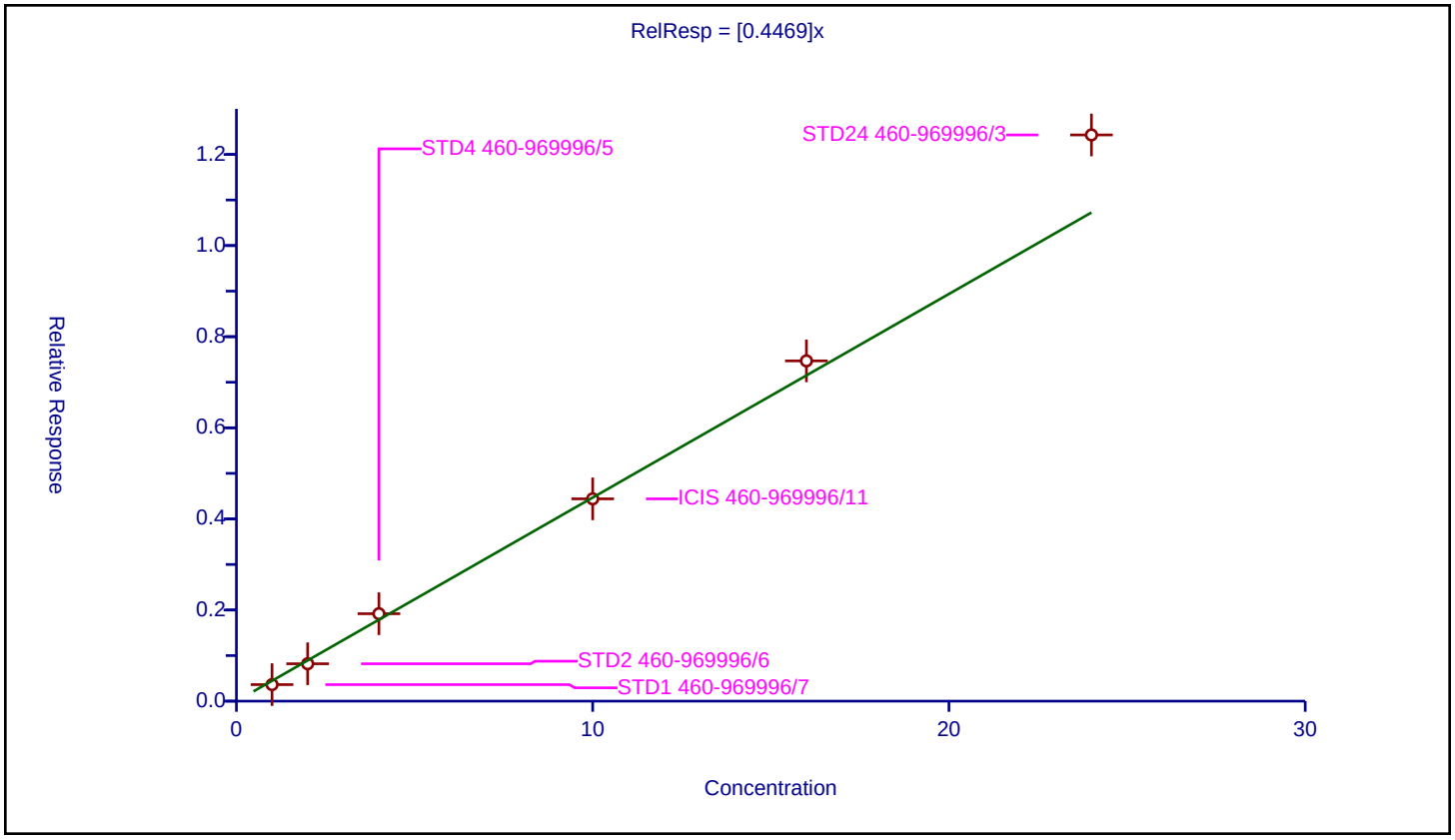
Curve Coefficients

Intercept:	0
Slope:	0.4469

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.362521	8.0	739686.0	0.362521	Y
2	STD2 460-969996/6	2.0	0.820554	8.0	705562.0	0.410277	Y
3	STD4 460-969996/5	4.0	1.918981	8.0	730100.0	0.479745	Y
4	ICIS 460-969996/11	10.0	4.440515	8.0	673821.0	0.444051	Y
5	STD16 460-969996/4	16.0	7.468905	8.0	739152.0	0.466807	Y
6	STD24 460-969996/3	24.0	12.428374	8.0	712545.0	0.517849	Y



Calibration / Terphenyl-d14

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

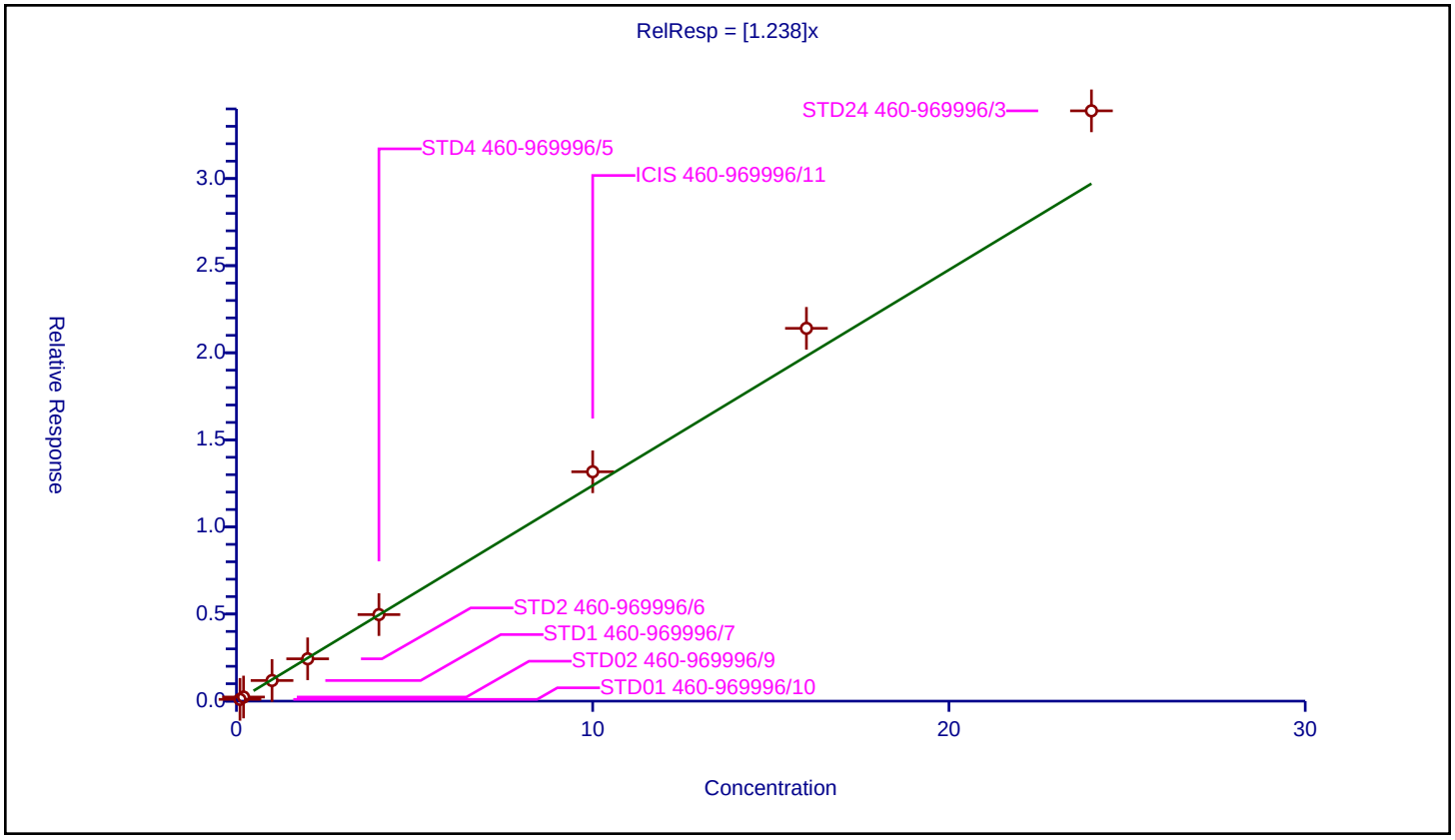
Curve Coefficients

Intercept:	0
Slope:	1.238

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.10167	8.0	702507.0	1.016702	Y
2	STD02 460-969996/9	0.2	0.235801	8.0	655028.0	1.179003	Y
3	STD1 460-969996/7	1.0	1.184146	8.0	739686.0	1.184146	Y
4	STD2 460-969996/6	2.0	2.429938	8.0	705562.0	1.214969	Y
5	STD4 460-969996/5	4.0	4.968613	8.0	730100.0	1.242153	Y
6	ICIS 460-969996/11	10.0	13.166998	8.0	673821.0	1.3167	Y
7	STD16 460-969996/4	16.0	21.40218	8.0	739152.0	1.337636	Y
8	STD24 460-969996/3	24.0	33.887971	8.0	712545.0	1.411999	Y



Calibration / Butyl benzyl phthalate

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

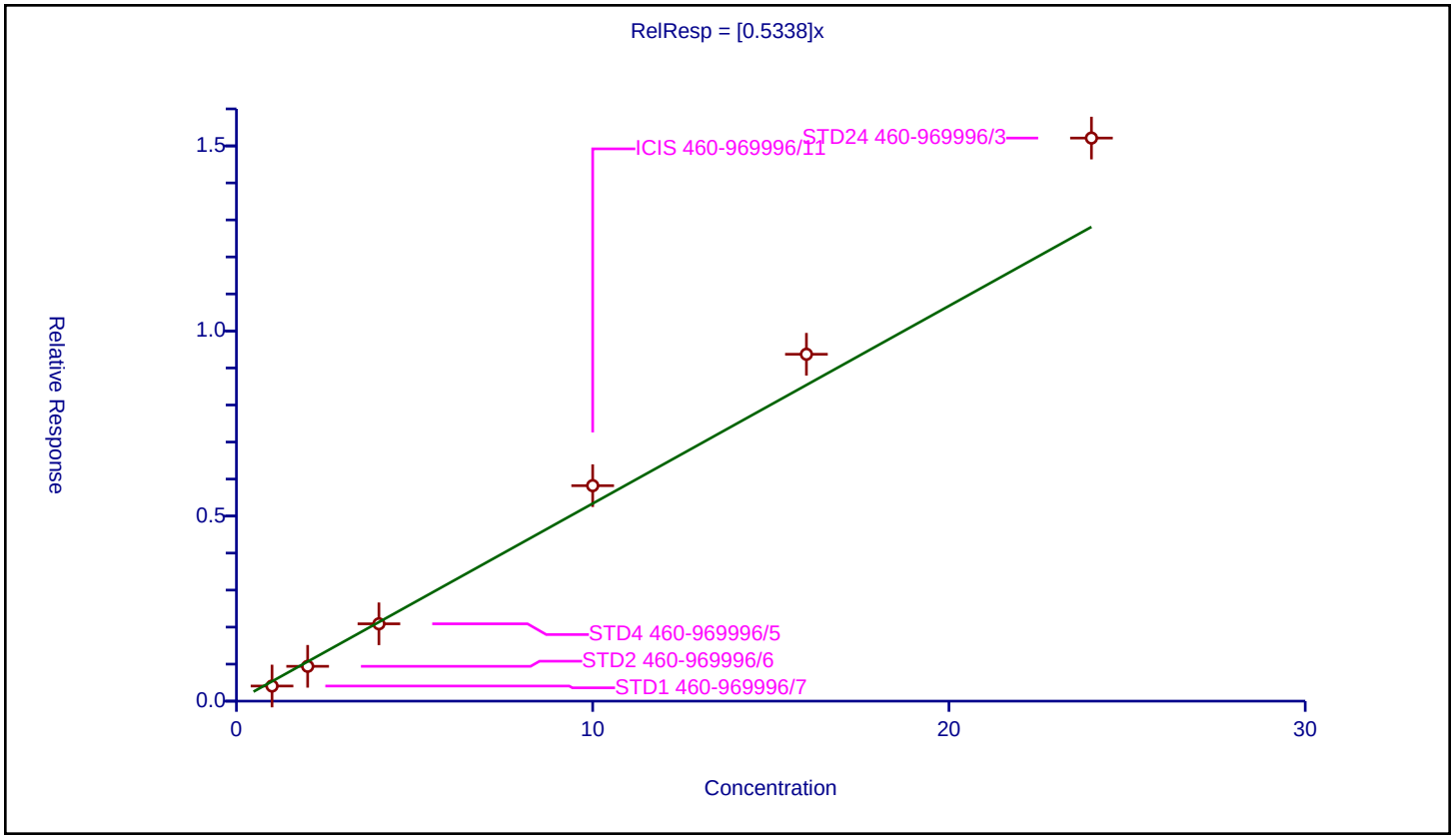
Curve Coefficients

Intercept:	0
Slope:	0.5338

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.408573	8.0	739686.0	0.408573	Y
2	STD2 460-969996/6	2.0	0.940844	8.0	705562.0	0.470422	Y
3	STD4 460-969996/5	4.0	2.088886	8.0	730100.0	0.522222	Y
4	ICIS 460-969996/11	10.0	5.821689	8.0	673821.0	0.582169	Y
5	STD16 460-969996/4	16.0	9.37142	8.0	739152.0	0.585714	Y
6	STD24 460-969996/3	24.0	15.211873	8.0	712545.0	0.633828	Y



Calibration / 2,3,7,8-TCDD

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

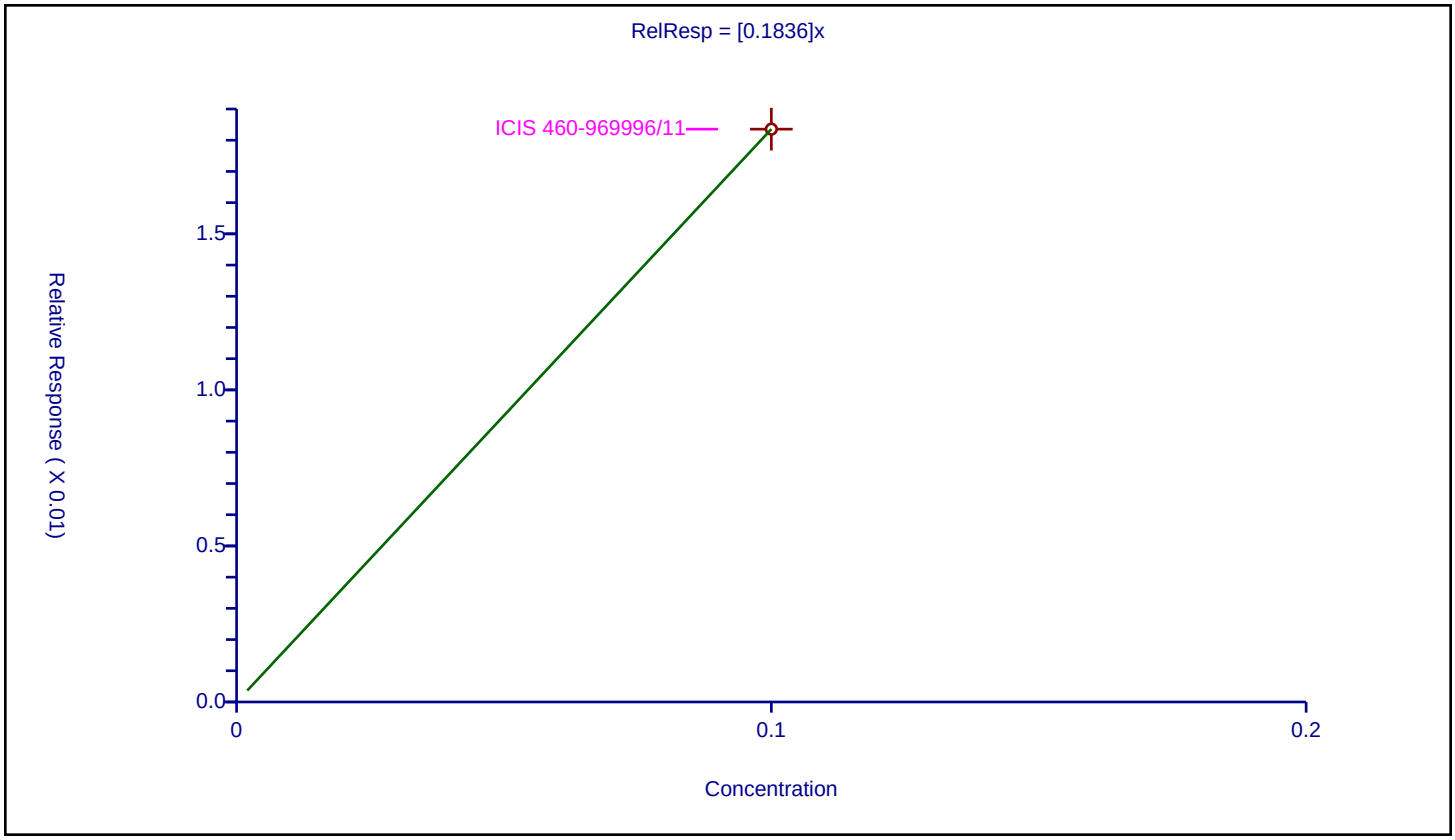
Curve Coefficients

Intercept:	0
Slope:	0.1836

Error Coefficients

Relative Standard Deviation:	0.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-969996/11	0.1	0.018355	8.0	673821.0	0.18355	Y



Calibration / Carbamazepine

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

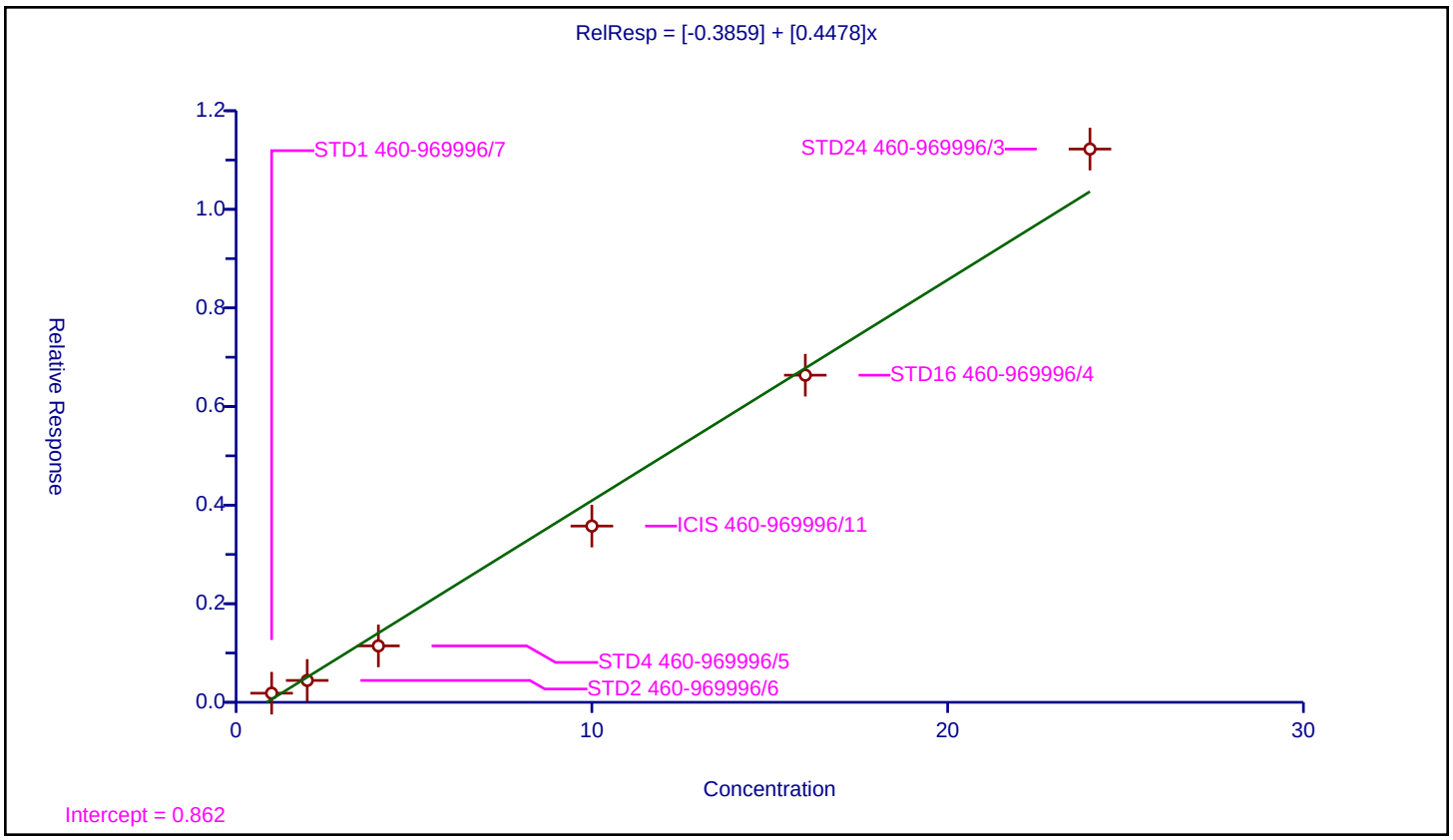
Curve Coefficients

Intercept:	-0.3859
Slope:	0.4478

Error Coefficients

Relative Standard Deviation:	17.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.184576	8.0	739686.0	0.184576	Y
2	STD2 460-969996/6	2.0	0.443845	8.0	705562.0	0.221922	Y
3	STD4 460-969996/5	4.0	1.144249	8.0	730100.0	0.286062	Y
4	ICIS 460-969996/11	10.0	3.575371	8.0	673821.0	0.357537	Y
5	STD16 460-969996/4	16.0	6.63595	8.0	739152.0	0.414747	Y
6	STD24 460-969996/3	24.0	11.222971	8.0	712545.0	0.467624	Y



Calibration / Benzo[a]anthracene

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

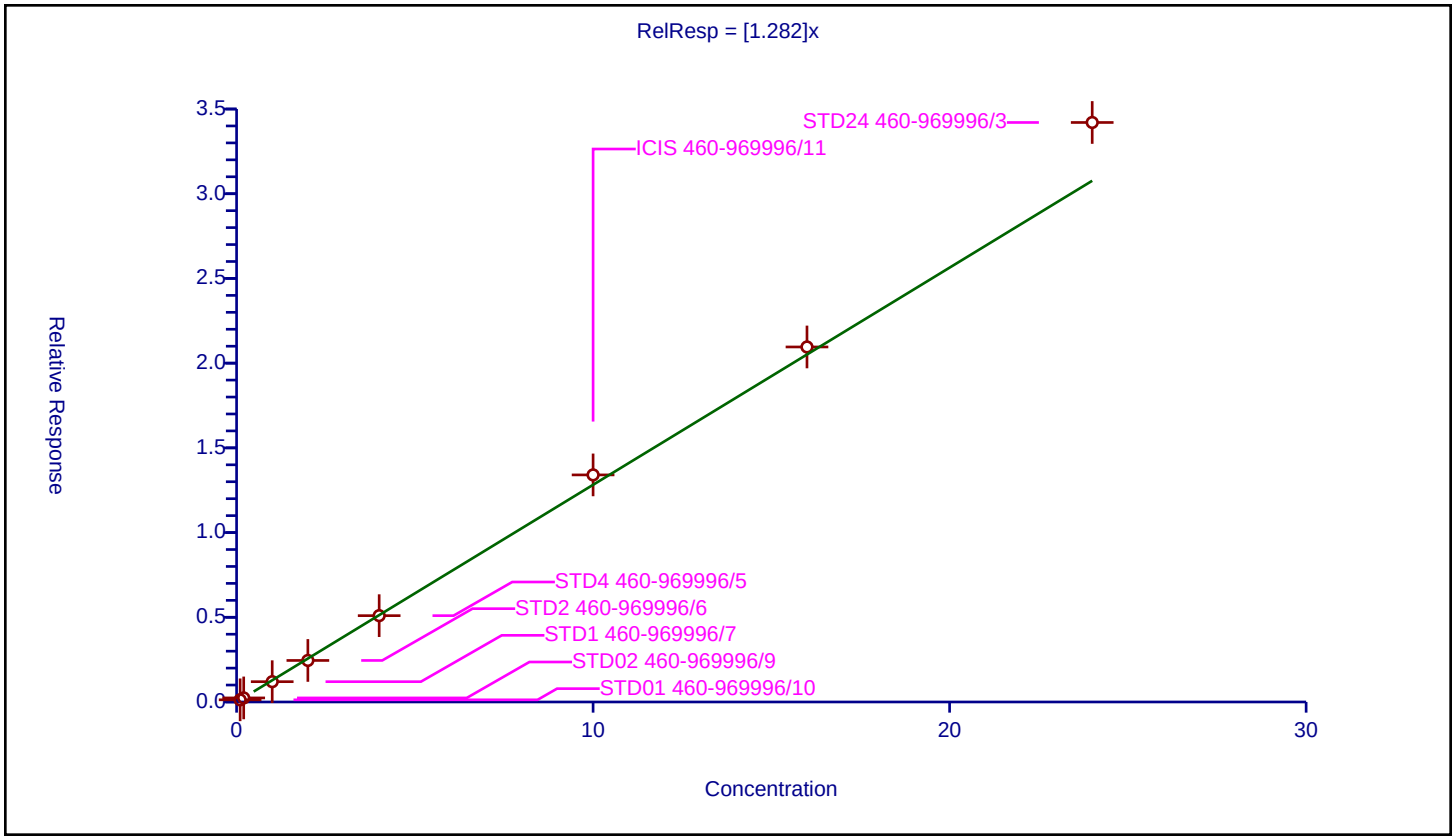
Curve Coefficients

Intercept:	0
Slope:	1.282

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.127805	8.0	702507.0	1.278051	Y
2	STD02 460-969996/9	0.2	0.240771	8.0	655028.0	1.203857	Y
3	STD1 460-969996/7	1.0	1.198206	8.0	739686.0	1.198206	Y
4	STD2 460-969996/6	2.0	2.451243	8.0	705562.0	1.225622	Y
5	STD4 460-969996/5	4.0	5.095817	8.0	730100.0	1.273954	Y
6	ICIS 460-969996/11	10.0	13.403857	8.0	673821.0	1.340386	Y
7	STD16 460-969996/4	16.0	20.954618	8.0	739152.0	1.309664	Y
8	STD24 460-969996/3	24.0	34.205626	8.0	712545.0	1.425234	Y



Calibration / 3,3'-Dichlorobenzidine

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

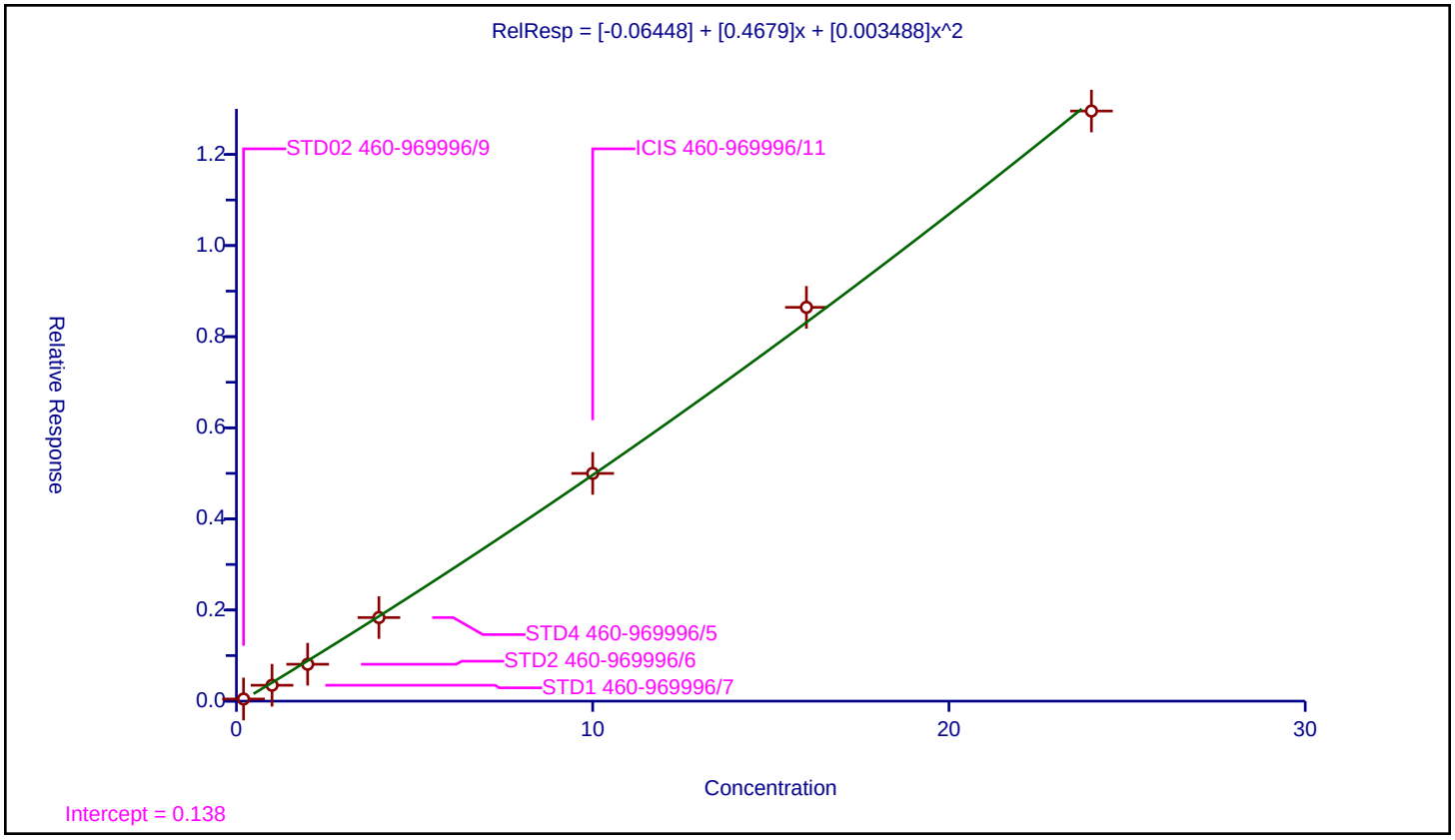
Curve Coefficients

Intercept:	-0.06448
Slope:	0.4679
Second Order:	0.003488

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.046789	8.0	655028.0	0.233944	Y
2	STD1 460-969996/7	1.0	0.348807	8.0	739686.0	0.348807	Y
3	STD2 460-969996/6	2.0	0.810214	8.0	705562.0	0.405107	Y
4	STD4 460-969996/5	4.0	1.834664	8.0	730100.0	0.458666	Y
5	ICIS 460-969996/11	10.0	4.998954	8.0	673821.0	0.499895	Y
6	STD16 460-969996/4	16.0	8.643981	8.0	739152.0	0.540249	Y
7	STD24 460-969996/3	24.0	12.952917	8.0	712545.0	0.539705	Y



Calibration / Chrysene

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

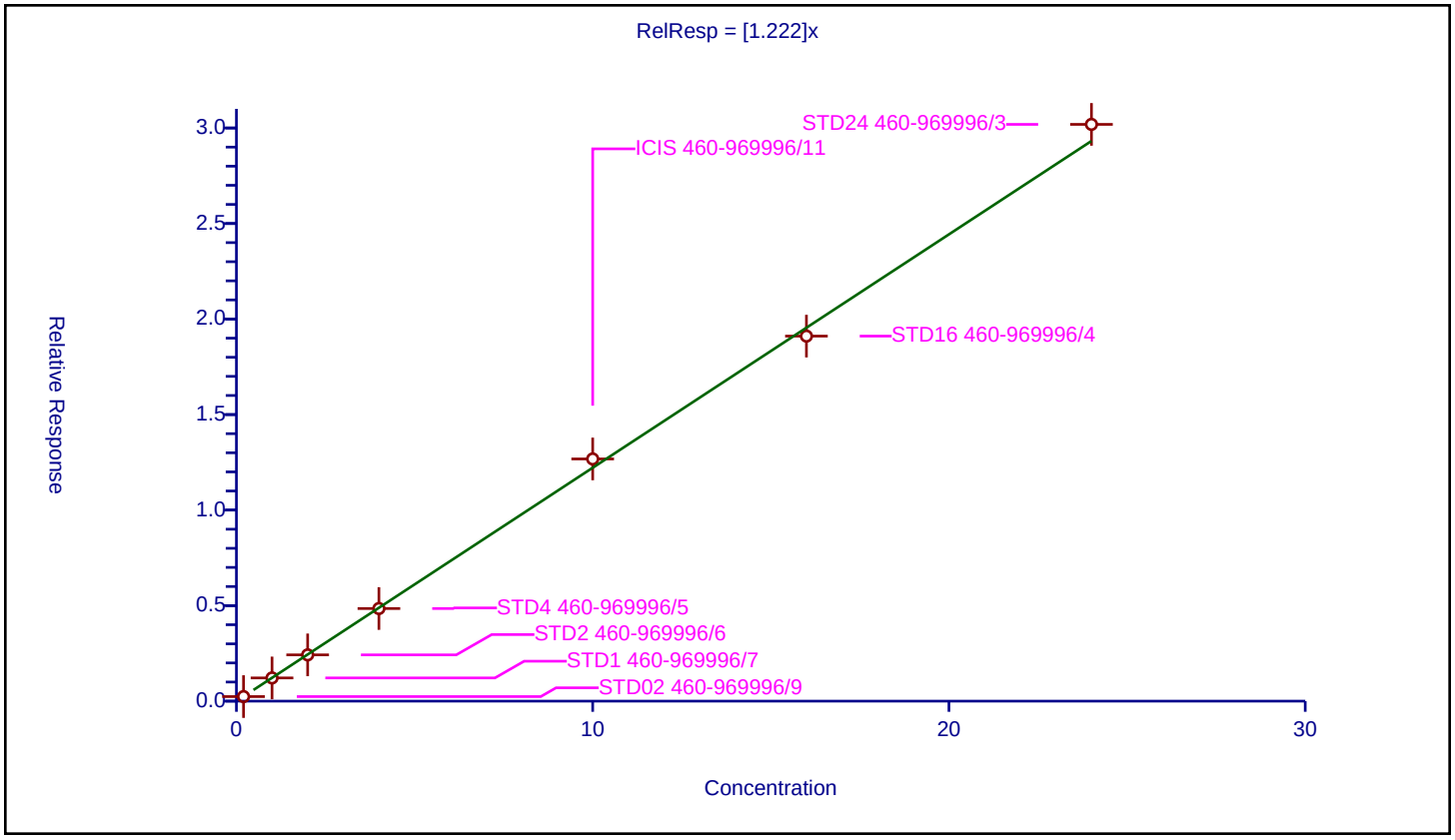
Curve Coefficients

Intercept:	0
Slope:	1.222

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.23872	8.0	655028.0	1.193598	Y
2	STD1 460-969996/7	1.0	1.215251	8.0	739686.0	1.215251	Y
3	STD2 460-969996/6	2.0	2.421627	8.0	705562.0	1.210814	Y
4	STD4 460-969996/5	4.0	4.847489	8.0	730100.0	1.211872	Y
5	ICIS 460-969996/11	10.0	12.677135	8.0	673821.0	1.267714	Y
6	STD16 460-969996/4	16.0	19.106749	8.0	739152.0	1.194172	Y
7	STD24 460-969996/3	24.0	30.188667	8.0	712545.0	1.257861	Y



Calibration / Bis(2-ethylhexyl) phthalate

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

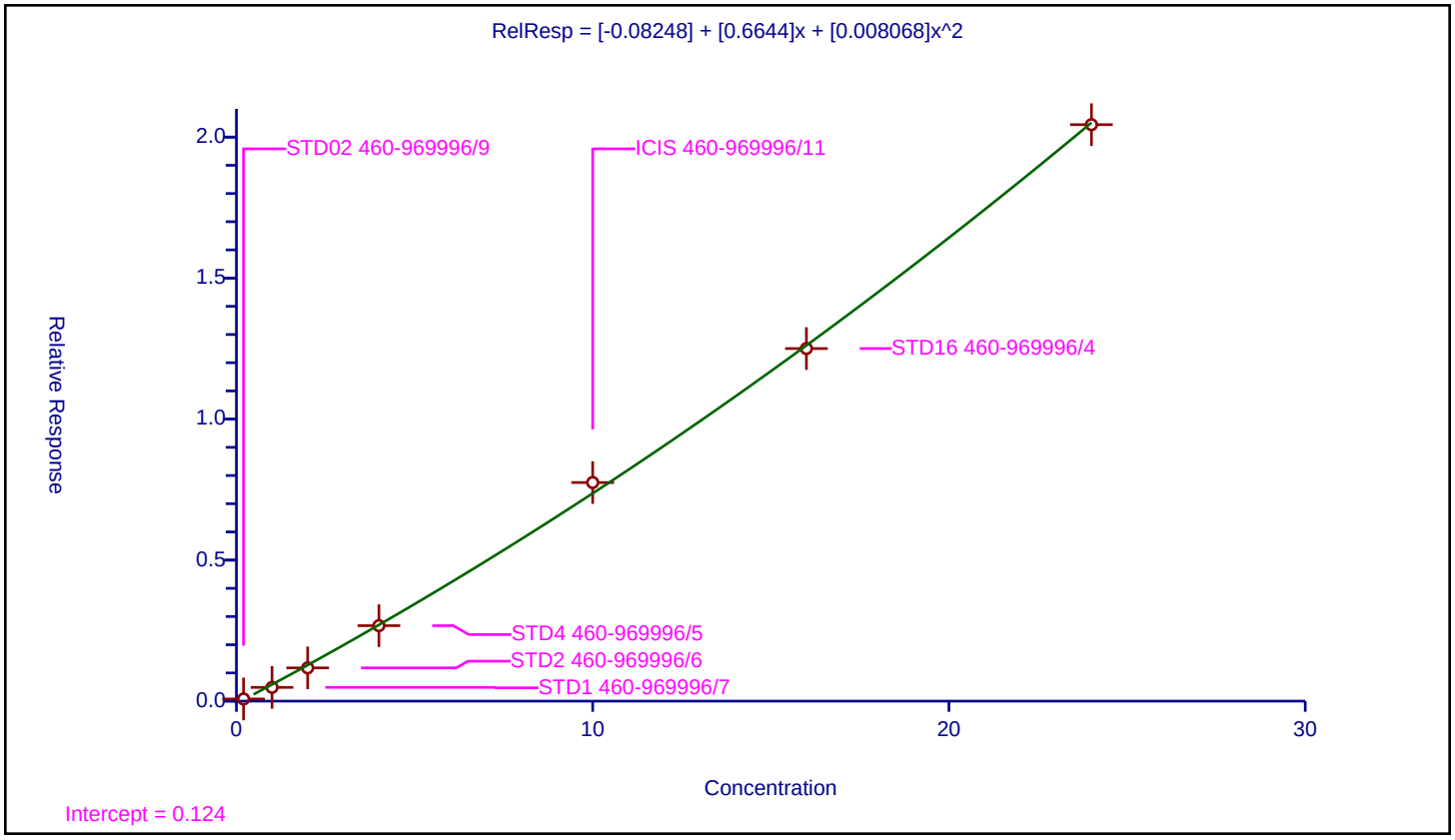
Curve Coefficients

Intercept:	-0.08248
Slope:	0.6644
Second Order:	0.008068

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-969996/9	0.2	0.076748	8.0	655028.0	0.383739	Y
2	STD1 460-969996/7	1.0	0.487969	8.0	739686.0	0.487969	Y
3	STD2 460-969996/6	2.0	1.179202	8.0	705562.0	0.589601	Y
4	STD4 460-969996/5	4.0	2.676324	8.0	730100.0	0.669081	Y
5	ICIS 460-969996/11	10.0	7.750782	8.0	673821.0	0.775078	Y
6	STD16 460-969996/4	16.0	12.501894	8.0	739152.0	0.781368	Y
7	STD24 460-969996/3	24.0	20.441353	8.0	712545.0	0.851723	Y



Calibration / Di-n-octyl phthalate

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

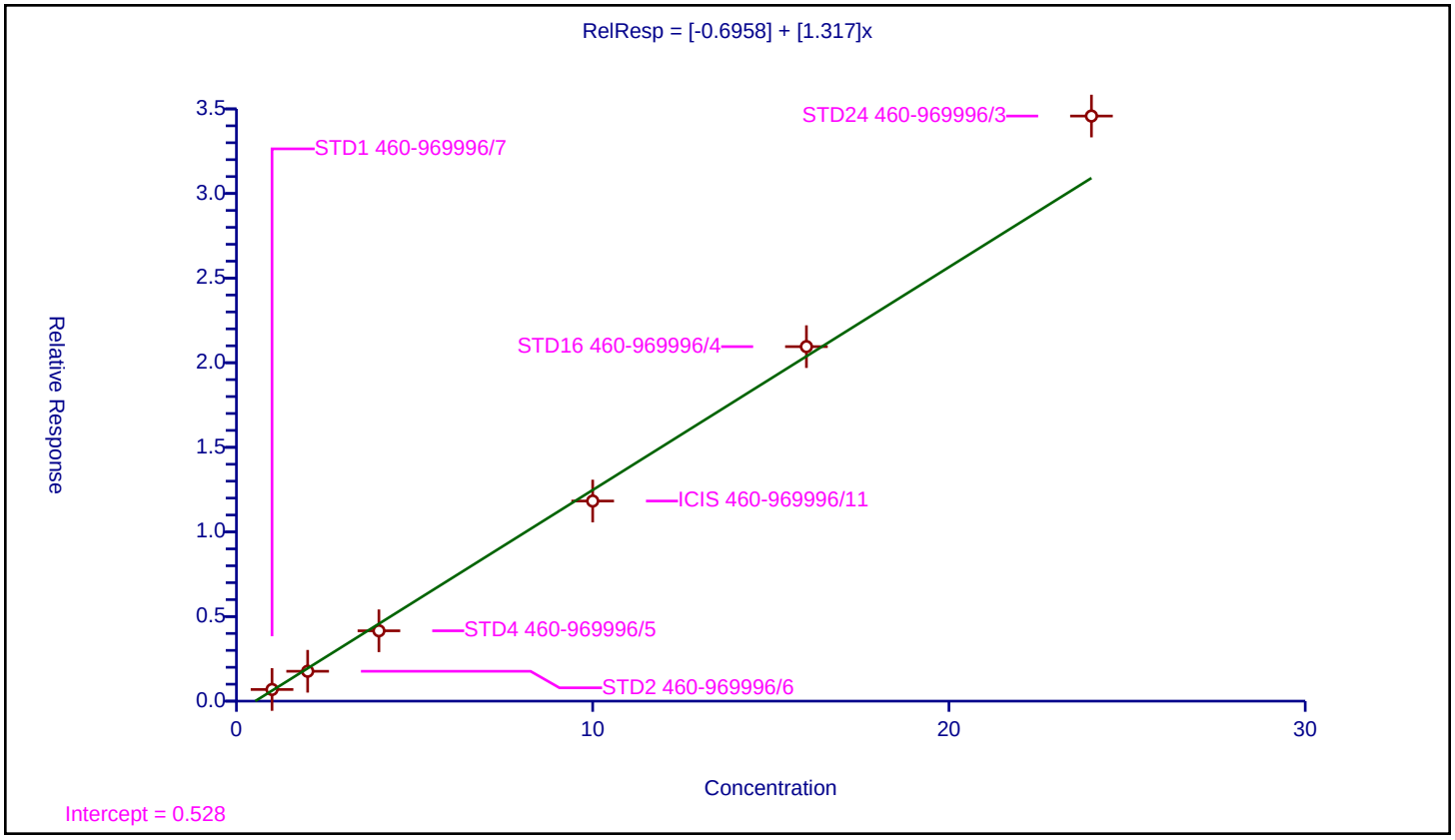
Curve Coefficients

Intercept:	-0.6958
Slope:	1.317

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-969996/7	1.0	0.688651	8.0	726905.0	0.688651	Y
2	STD2 460-969996/6	2.0	1.764518	8.0	696725.0	0.882259	Y
3	STD4 460-969996/5	4.0	4.15744	8.0	713645.0	1.03936	Y
4	ICIS 460-969996/11	10.0	11.825937	8.0	672195.0	1.182594	Y
5	STD16 460-969996/4	16.0	20.950982	8.0	700514.0	1.309436	Y
6	STD24 460-969996/3	24.0	34.578706	8.0	683369.0	1.440779	Y



Calibration / Benzo[b]fluoranthene

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

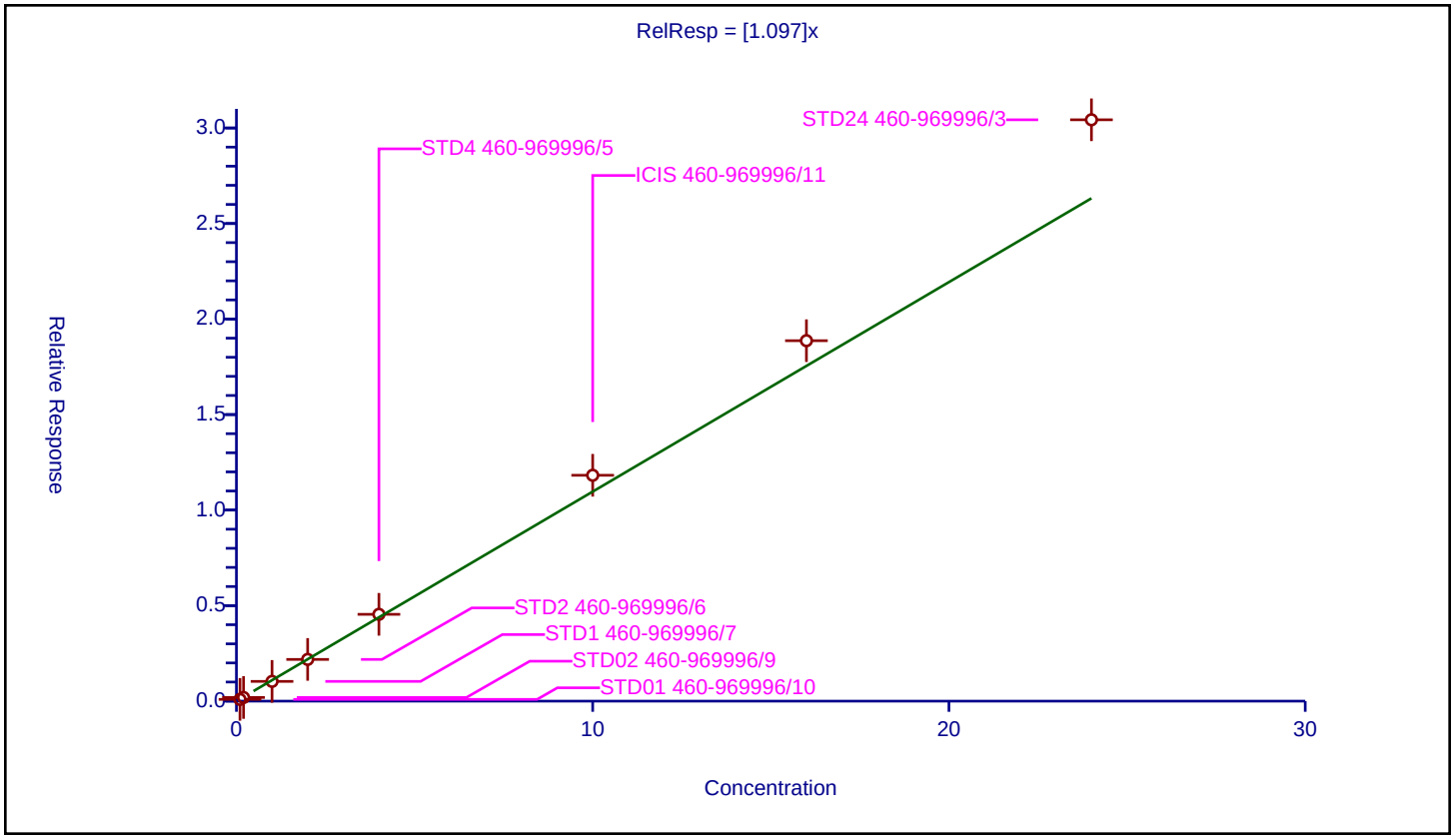
Curve Coefficients

Intercept:	0
Slope:	1.097

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.092678	8.0	689869.0	0.926785	Y
2	STD02 460-969996/9	0.2	0.19105	8.0	648040.0	0.95525	Y
3	STD1 460-969996/7	1.0	1.033489	8.0	726905.0	1.033489	Y
4	STD2 460-969996/6	2.0	2.184506	8.0	696725.0	1.092253	Y
5	STD4 460-969996/5	4.0	4.544276	8.0	713645.0	1.136069	Y
6	ICIS 460-969996/11	10.0	11.822534	8.0	672195.0	1.182253	Y
7	STD16 460-969996/4	16.0	18.867426	8.0	700514.0	1.179214	Y
8	STD24 460-969996/3	24.0	30.430248	8.0	683369.0	1.267927	Y



Calibration / Benzo[k]fluoranthene

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

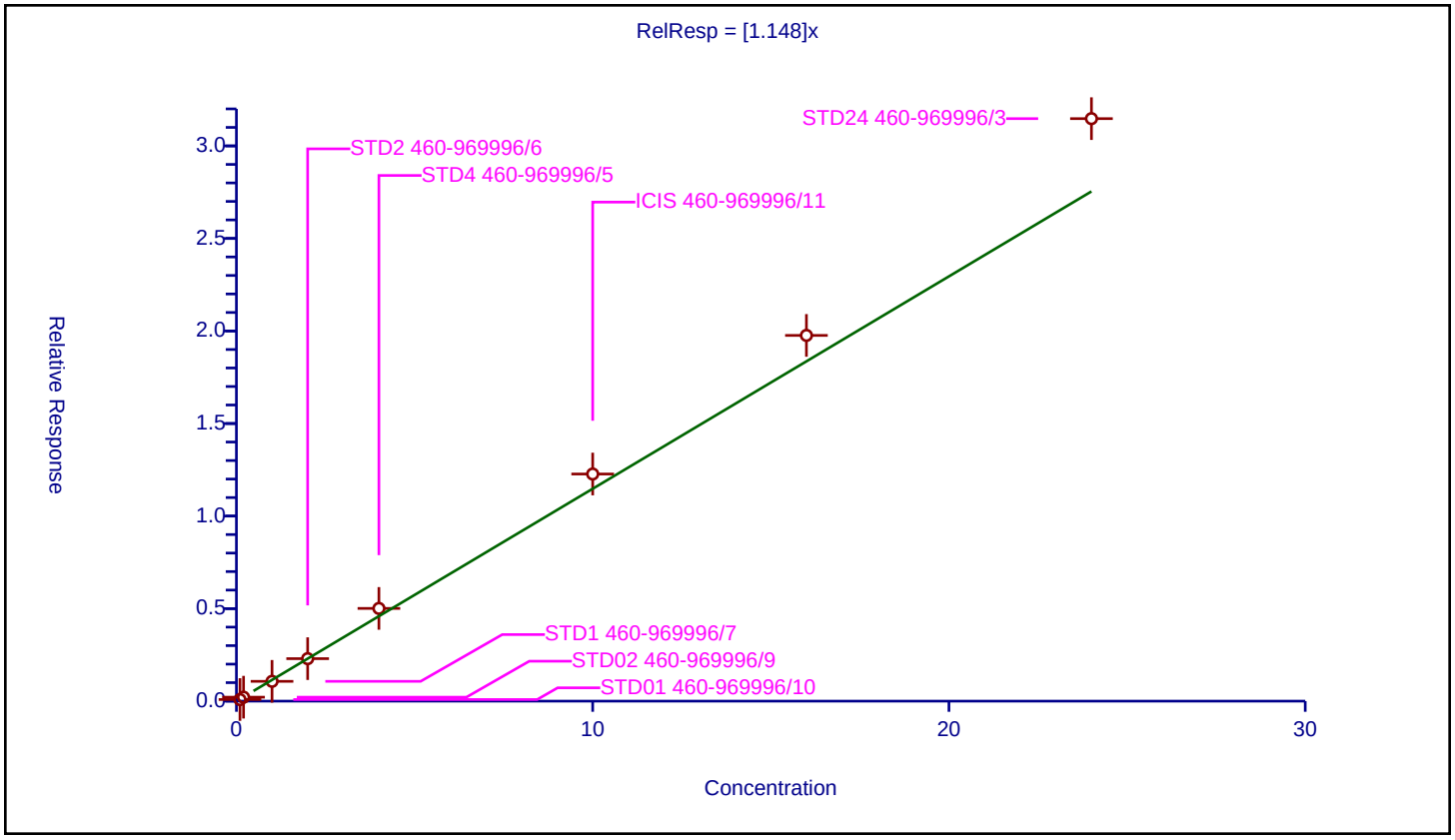
Curve Coefficients

Intercept:	0
Slope:	1.148

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.087089	8.0	689869.0	0.87089	Y
2	STD02 460-969996/9	0.2	0.21311	8.0	648040.0	1.065552	Y
3	STD1 460-969996/7	1.0	1.069895	8.0	726905.0	1.069895	Y
4	STD2 460-969996/6	2.0	2.295712	8.0	696725.0	1.147856	Y
5	STD4 460-969996/5	4.0	5.009505	8.0	713645.0	1.252376	Y
6	ICIS 460-969996/11	10.0	12.271915	8.0	672195.0	1.227192	Y
7	STD16 460-969996/4	16.0	19.761033	8.0	700514.0	1.235065	Y
8	STD24 460-969996/3	24.0	31.472988	8.0	683369.0	1.311374	Y



Calibration / Benzo[a]pyrene

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

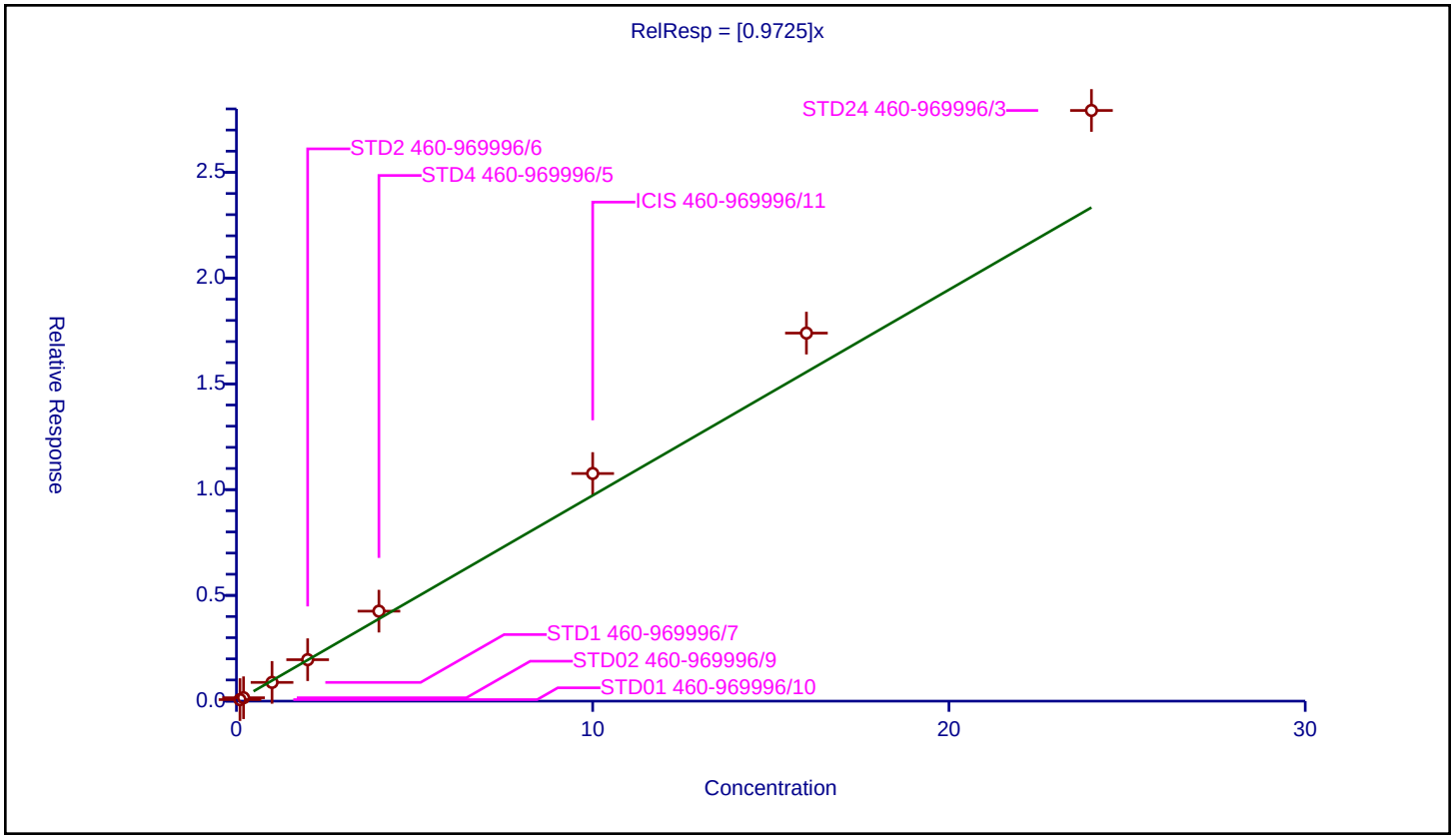
Curve Coefficients

Intercept:	0
Slope:	0.9725

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.072072	8.0	689869.0	0.720717	Y
2	STD02 460-969996/9	0.2	0.160595	8.0	648040.0	0.802975	Y
3	STD1 460-969996/7	1.0	0.885453	8.0	726905.0	0.885453	Y
4	STD2 460-969996/6	2.0	1.960418	8.0	696725.0	0.980209	Y
5	STD4 460-969996/5	4.0	4.253678	8.0	713645.0	1.063419	Y
6	ICIS 460-969996/11	10.0	10.76183	8.0	672195.0	1.076183	Y
7	STD16 460-969996/4	16.0	17.39951	8.0	700514.0	1.087469	Y
8	STD24 460-969996/3	24.0	27.925223	8.0	683369.0	1.163551	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

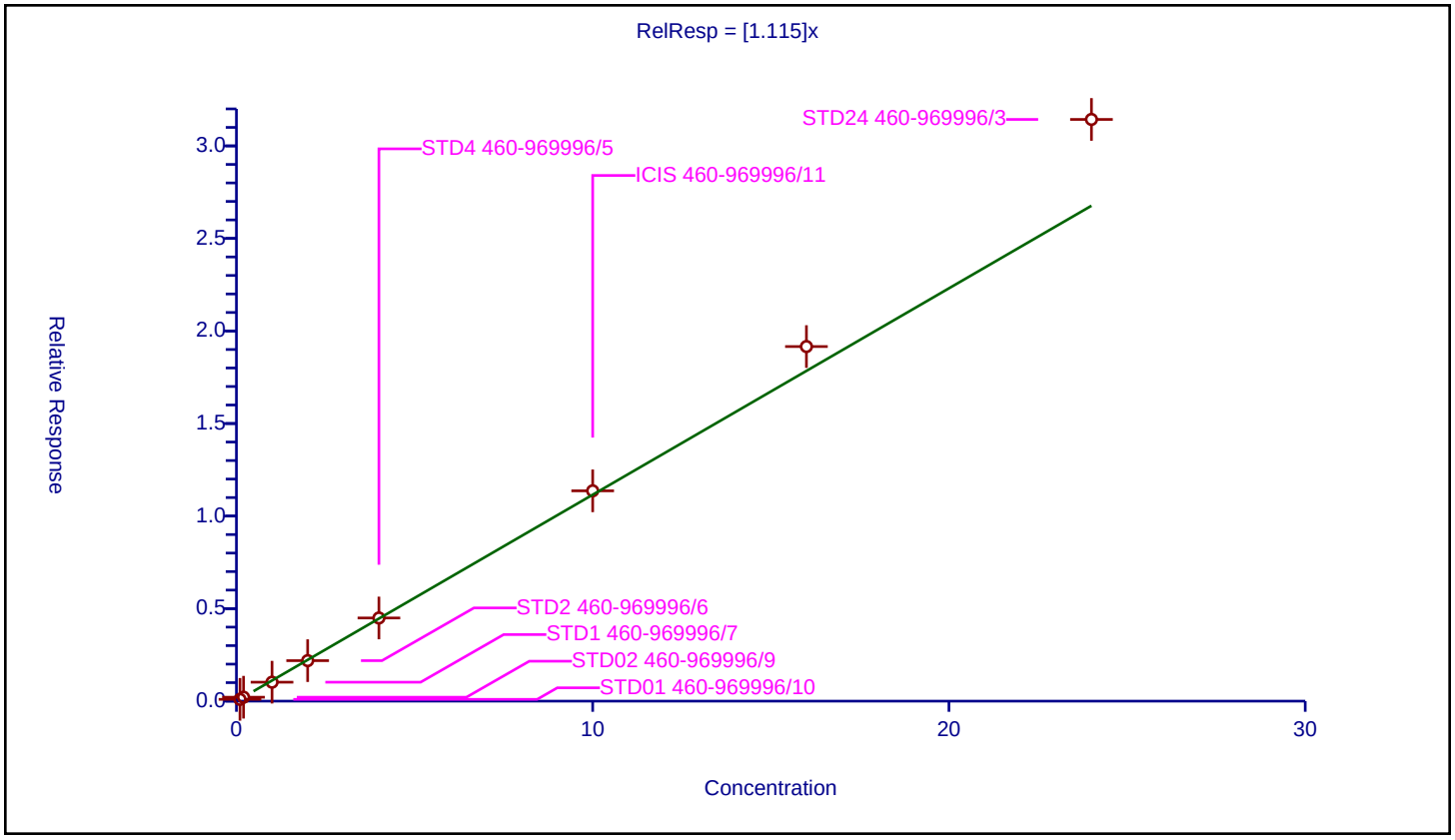
Curve Coefficients

Intercept:	0
Slope:	1.115

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.097769	8.0	689869.0	0.977693	Y
2	STD02 460-969996/9	0.2	0.211876	8.0	648040.0	1.059379	Y
3	STD1 460-969996/7	1.0	1.024574	8.0	726905.0	1.024574	Y
4	STD2 460-969996/6	2.0	2.187423	8.0	696725.0	1.093711	Y
5	STD4 460-969996/5	4.0	4.493495	8.0	713645.0	1.123374	Y
6	ICIS 460-969996/11	10.0	11.36381	8.0	672195.0	1.136381	Y
7	STD16 460-969996/4	16.0	19.159794	8.0	700514.0	1.197487	Y
8	STD24 460-969996/3	24.0	31.429743	8.0	683369.0	1.309573	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

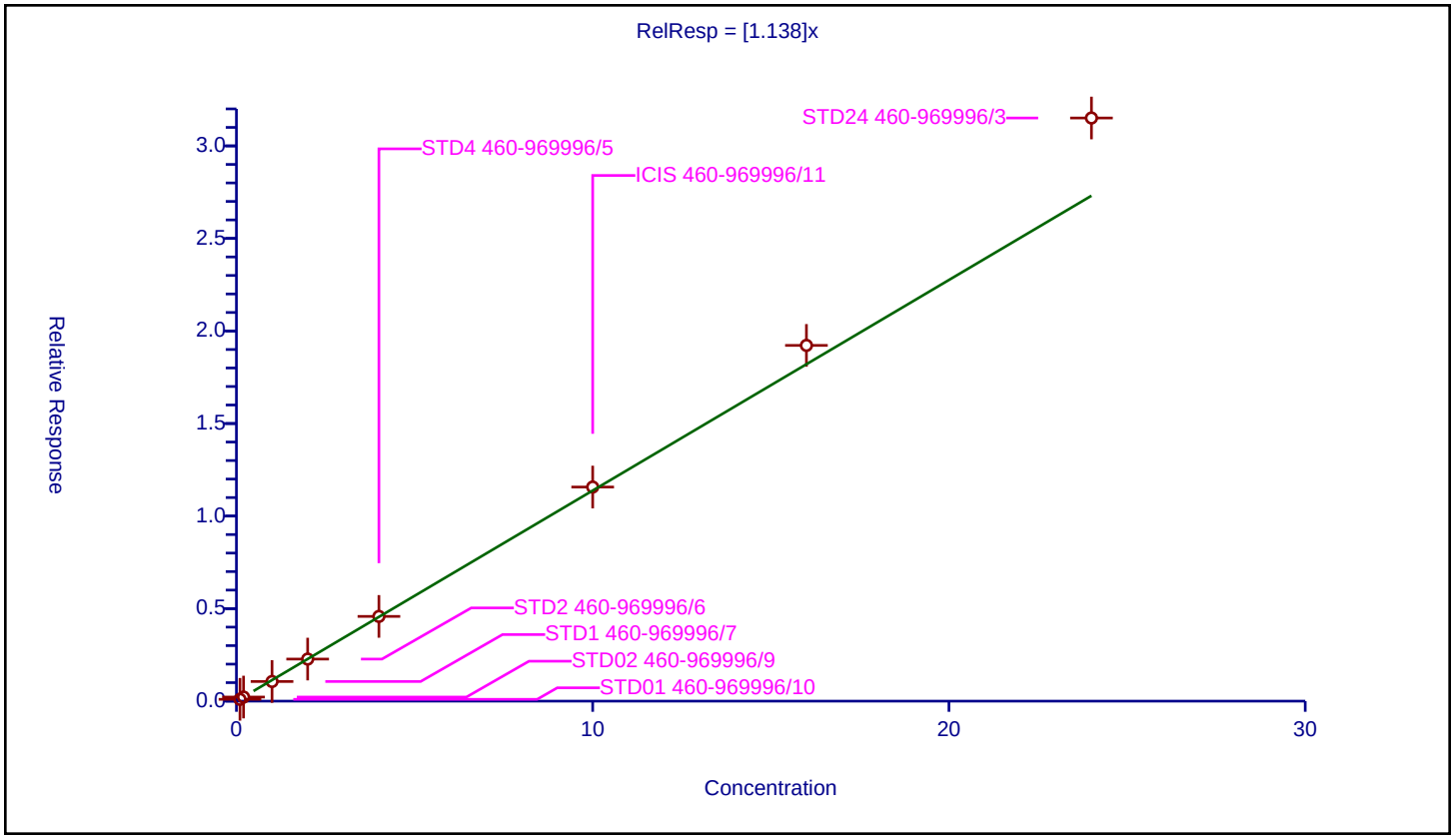
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.098198	8.0	689869.0	0.981984	Y
2	STD02 460-969996/9	0.2	0.22148	8.0	648040.0	1.107401	Y
3	STD1 460-969996/7	1.0	1.061355	8.0	726905.0	1.061355	Y
4	STD2 460-969996/6	2.0	2.2723	8.0	696725.0	1.13615	Y
5	STD4 460-969996/5	4.0	4.578018	8.0	713645.0	1.144505	Y
6	ICIS 460-969996/11	10.0	11.567739	8.0	672195.0	1.156774	Y
7	STD16 460-969996/4	16.0	19.220664	8.0	700514.0	1.201291	Y
8	STD24 460-969996/3	24.0	31.508447	8.0	683369.0	1.312852	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

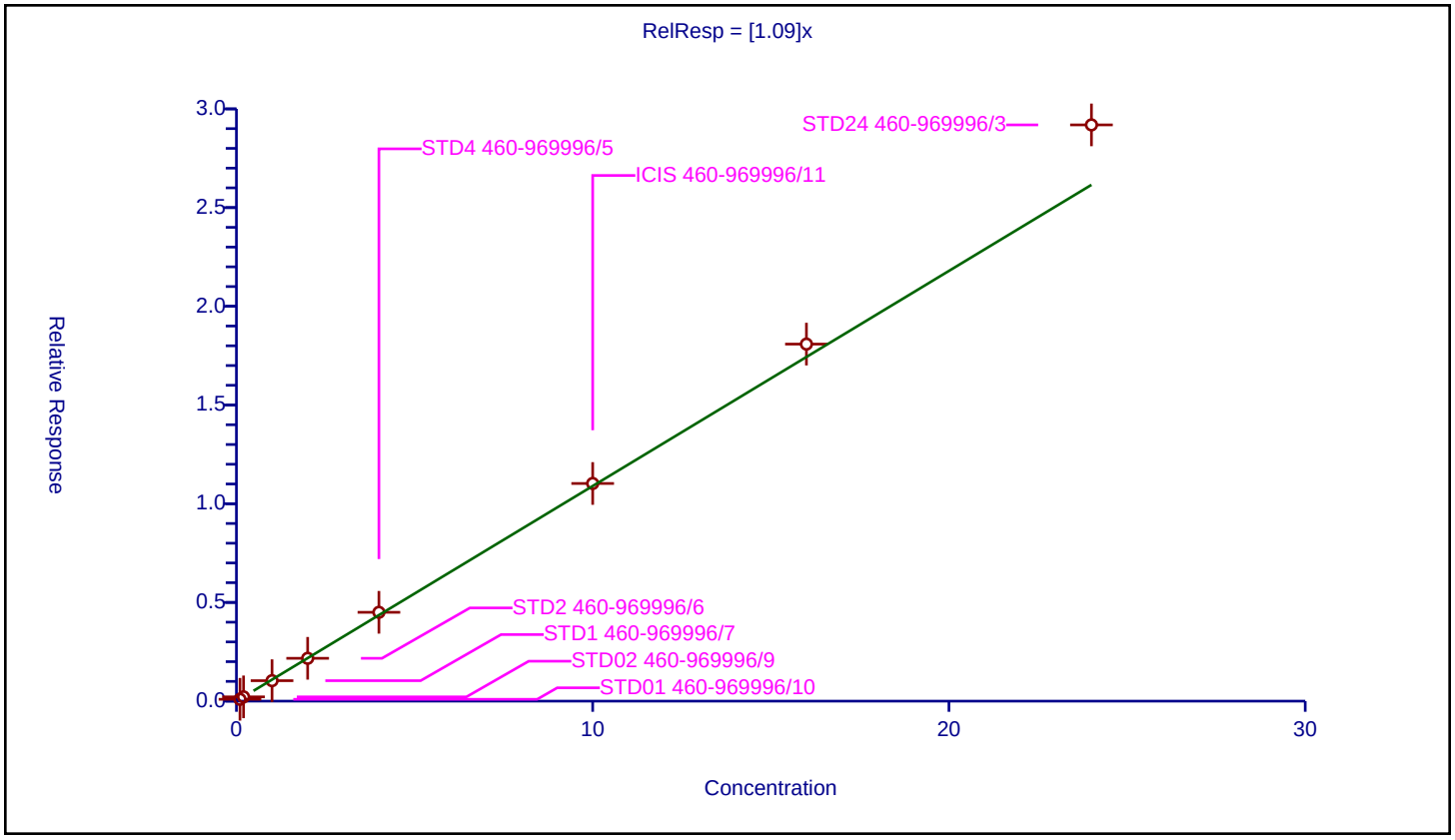
Curve Coefficients

Intercept:	0
Slope:	1.09

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-969996/10	0.1	0.093954	8.0	689869.0	0.939541	Y
2	STD02 460-969996/9	0.2	0.216443	8.0	648040.0	1.082217	Y
3	STD1 460-969996/7	1.0	1.036592	8.0	726905.0	1.036592	Y
4	STD2 460-969996/6	2.0	2.169717	8.0	696725.0	1.084858	Y
5	STD4 460-969996/5	4.0	4.499671	8.0	713645.0	1.124918	Y
6	ICIS 460-969996/11	10.0	11.026098	8.0	672195.0	1.10261	Y
7	STD16 460-969996/4	16.0	18.086057	8.0	700514.0	1.130379	Y
8	STD24 460-969996/3	24.0	29.189735	8.0	683369.0	1.216239	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-969996/13 | Calibration Date: 04/17/2024 19:42

Instrument ID: CBNAMS18 | Calib Start Date: 04/17/2024 12:39

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 04/17/2024 18:18

Lab File ID: P84798.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4978	0.5309		10700	10000	6.7	30.0
N-Nitrosodimethylamine	Ave	0.7790	0.8279		10600	10000	6.3	30.0
Pyridine	Ave	1.136	1.264		22200	20000	11.2	30.0
Benzaldehyde	Ave	0.9906	1.031	0.0100	4160	4000	4.1	30.0
Aniline	Ave	1.649	1.824		11100	10000	10.6	30.0
Phenol	Ave	1.652	1.713	0.8000	10400	10000	3.7	30.0
Bis(2-chloroethyl)ether	Ave	1.194	1.276	0.7000	10700	10000	6.9	30.0
2-Chlorophenol	Ave	1.313	1.388	0.8000	10600	10000	5.6	30.0
n-Decane	Ave	0.9934	1.038		10400	10000	4.4	30.0
1,3-Dichlorobenzene	Ave	1.512	1.609		10600	10000	6.4	30.0
1,4-Dichlorobenzene	Ave	1.543	1.642		10600	10000	6.4	30.0
Benzyl alcohol	Ave	0.8302	0.8968		10800	10000	8.0	30.0
1,2-Dichlorobenzene	Ave	1.501	1.571	0.0100	10500	10000	4.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.322	1.369	0.0100	10400	10000	3.5	30.0
2-Methylphenol	Ave	1.161	1.239	0.7000	10700	10000	6.8	30.0
N-Methylaniline	Ave	1.862	2.064		11100	10000	10.8	30.0
Acetophenone	Ave	1.914	2.020	0.0100	10600	10000	5.6	30.0
N-Nitrosodi-n-propylamine	Ave	0.8225	0.9135	0.5000	11100	10000	11.1	30.0
3 & 4 Methylphenol	Ave	1.243	1.311		10500	10000	5.5	30.0
4-Methylphenol	Ave	1.239	1.304	0.6000	10500	10000	5.2	30.0
Hexachloroethane	Ave	0.5346	0.5894	0.3000	11000	10000	10.3	30.0
Nitrobenzene	Ave	0.6697	0.7308	0.2000	10900	10000	9.1	30.0
n,n'-Dimethylaniline	Ave	2.093	2.174		10400	10000	3.9	30.0
Isophorone	Ave	0.5646	0.6252	0.4000	11100	10000	10.7	30.0
2-Nitrophenol	Ave	0.1839	0.2009	0.1000	10900	10000	9.2	30.0
2,4-Dimethylphenol	Ave	0.2476	0.2673	0.2000	10800	10000	7.9	30.0
Bis(2-chloroethoxy)methane	Ave	0.3821	0.4037	0.3000	10600	10000	5.6	30.0
Benzoic acid	Lin2		0.1899		10200	10000	2.5	30.0
2,4-Dichlorophenol	Ave	0.2858	0.3095	0.2000	10800	10000	8.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3146	0.3455		11000	10000	9.8	30.0
Naphthalene	Ave	1.037	1.119	0.7000	10800	10000	7.9	30.0
4-Chloroaniline	Ave	0.3400	0.4195	0.0100	12300	10000	23.4	30.0
Hexachlorobutadiene	Ave	0.1828	0.1976	0.0100	10800	10000	8.1	30.0
Caprolactam	Lin1		0.0796	0.0100	3860	4000	-3.5	30.0
4-Chloro-3-methylphenol	Ave	0.2668	0.2888	0.2000	10800	10000	8.2	30.0
2-Methylnaphthalene	Ave	0.7071	0.7602	0.4000	10800	10000	7.5	30.0
1-Methylnaphthalene	Ave	0.6581	0.6905		10500	10000	4.9	30.0
Hexachlorocyclopentadiene	Ave	0.3725	0.4124	0.0500	11100	10000	10.7	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5900	0.6409	0.0100	10900	10000	8.6	30.0
2-tertbutyl-4-methylphenol	Ave	0.4025	0.4348		10800	10000	8.0	30.0
2,4,6-Trichlorophenol	Ave	0.3617	0.4141	0.2000	11400	10000	14.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-969996/13 | Calibration Date: 04/17/2024 19:42

Instrument ID: CBNAMS18 | Calib Start Date: 04/17/2024 12:39

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 04/17/2024 18:18

Lab File ID: P84798.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4000	0.4388	0.2000	11000	10000	9.7	30.0
1,1'-Biphenyl	Ave	1.568	1.682	0.0100	10700	10000	7.2	30.0
2-Chloronaphthalene	Ave	1.206	1.303	0.8000	10800	10000	8.1	30.0
Phenyl ether	Ave	0.8544	0.8792		10300	10000	2.9	30.0
2-Nitroaniline	Ave	0.2926	0.3150	0.0100	10800	10000	7.6	30.0
1,3-Dimethylnaphthalene	Ave	0.9622	0.9852		10200	10000	2.4	30.0
Coumarin	Ave	0.2499	0.2466		9870	10000	-1.3	30.0
Dimethyl phthalate	Ave	1.304	1.363	0.0100	10400	10000	4.5	30.0
2,6-Dinitrotoluene	Ave	0.2746	0.3048	0.2000	11100	10000	11.0	30.0
Acenaphthylene	Ave	1.825	1.937	0.9000	10600	10000	6.1	30.0
3-Nitroaniline	Ave	0.2903	0.3271	0.0100	11300	10000	12.7	30.0
Acenaphthene	Ave	1.110	1.173	0.9000	10600	10000	5.7	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9512	0.9786		10300	10000	2.9	30.0
2,4-Dinitrophenol	Lin2		0.2015	0.0100	20500	20000	2.3	30.0
4-Nitrophenol	Ave	0.2090	0.2255	0.0100	21600	20000	7.9	30.0
Dibenzofuran	Ave	1.743	1.853	0.8000	10600	10000	6.3	30.0
2,4-Dinitrotoluene	Ave	0.3667	0.4127	0.2000	11300	10000	12.6	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3246	0.3511	0.0100	10800	10000	8.1	30.0
Diethyl phthalate	Ave	1.296	1.288	0.0100	9940	10000	-0.6	30.0
Fluorene	Ave	1.323	1.416	0.9000	10700	10000	7.0	30.0
4-Chlorophenyl phenyl ether	Ave	0.6368	0.6684	0.4000	10500	10000	5.0	30.0
4-Nitroaniline	Ave	0.2719	0.2978	0.0100	11000	10000	9.5	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1247	0.1451	0.0100	23300	20000	16.3	30.0
N-Nitrosodiphenylamine	Ave	0.5143	0.5647	0.0100	11000	10000	9.8	30.0
1,2-Diphenylhydrazine	Ave	0.6836	0.7505		11000	10000	9.8	30.0
4-Bromophenyl phenyl ether	Ave	0.2121	0.2281	0.1000	10800	10000	7.5	30.0
Hexachlorobenzene	Ave	0.2626	0.2865	0.1000	10900	10000	9.1	30.0
Atrazine	Ave	0.1673	0.1893	0.0100	4520	4000	13.1	30.0
Pentachlorophenol	Lin2		0.1834	0.0500	20500	20000	2.4	30.0
Pentachloronitrobenzene	Ave	0.0937	0.0992	0.0100	10600	10000	6.0	30.0
n-Octadecane	Ave	0.3733	0.4237		11400	10000	13.5	30.0
Phenanthrene	Ave	1.040	1.106	0.7000	10600	10000	6.3	30.0
Anthracene	Ave	1.047	1.143	0.7000	10900	10000	9.1	30.0
Carbazole	Ave	0.9035	0.9751	0.0100	10800	10000	7.9	30.0
Di-n-butyl phthalate	Ave	1.019	1.132	0.0100	11100	10000	11.1	30.0
Fluoranthene	Ave	0.996	1.078	0.6000	10800	10000	8.2	30.0
Benzidine	Ave	0.3039	0.3492		11500	10000	14.9	30.0
Pyrene	Ave	1.524	1.636	0.6000	10700	10000	7.3	30.0
Bisphenol-A	Ave	0.4469	0.4506		10100	10000	0.8	30.0
Butyl benzyl phthalate	Ave	0.5338	0.6046	0.0100	11300	10000	13.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-969996/13 Calibration Date: 04/17/2024 19:42

Instrument ID: CBNAMS18 Calib Start Date: 04/17/2024 12:39

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/17/2024 18:18

Lab File ID: P84798.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbamazepine	Lin1		0.3963		9710	10000	-2.9	30.0
3,3'-Dichlorobenzidine	Qua1		0.5289	0.0100	10600	10000	6.0	30.0
Benzo[a]anthracene	Ave	1.282	1.387	0.8000	10800	10000	8.2	30.0
Chrysene	Ave	1.222	1.268	0.7000	10400	10000	3.8	30.0
Bis(2-ethylhexyl) phthalate	Qua1		0.8105	0.0100	10900	10000	8.8	30.0
Di-n-octyl phthalate	Lin2		1.293	0.0100	10300	10000	3.5	30.0
Benzo[b]fluoranthene	Ave	1.097	1.258		11500	10000	14.7	30.0
Benzo[k]fluoranthene	Ave	1.148	1.279	0.7000	11100	10000	11.4	30.0
Benzo[a]pyrene	Ave	0.9725	1.146	0.7000	11800	10000	17.8	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.115	1.228	0.5000	11000	10000	10.1	30.0
Dibenz(a,h)anthracene	Ave	1.138	1.258	0.4000	11100	10000	10.6	30.0
Benzo[g,h,i]perylene	Ave	1.090	1.195	0.5000	11000	10000	9.7	30.0

Report Date: 18-Apr-2024 07:59:26 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84798.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Apr-2024 19:42:30 ALS Bottle#: 15 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-013
Operator ID: Instrument ID: CBNAMS18
Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:58:51 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 07:59:24

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	1.378	1.375	0.003	92	181931	10.0	10.7	
2 N-Nitrosodimethylamine	74	1.576	1.573	0.003	92	283688	10.0	10.6	
3 Pyridine	79	1.598	1.598	0.000	96	866145	20.0	22.2	
5 Benzaldehyde	77	3.418	3.418	0.000	96	141315	4.00	4.16	
8 Aniline	93	3.533	3.533	0.000	96	624997	10.0	11.1	
7 Phenol	94	3.543	3.543	0.000	98	587025	10.0	10.4	
9 Bis(2-chloroethyl)ether	93	3.600	3.600	0.000	99	437082	10.0	10.7	
10 Benzonitrile	103	3.610	3.607	0.003	97	870745	NC	NC	
11 2-Chlorophenol	128	3.651	3.651	0.000	97	475460	10.0	10.6	
12 n-Decane	43	3.702	3.702	0.000	87	355526	10.0	10.4	
13 1,3-Dichlorobenzene	146	3.792	3.789	0.003	97	551275	10.0	10.6	
* 14 1,4-Dichlorobenzene-d4	152	3.849	3.846	0.003	95	274137	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.865	3.865	0.000	96	562759	10.0	10.6	
17 Benzyl alcohol	108	4.003	4.003	0.000	95	307313	10.0	10.8	
18 1,2-Dichlorobenzene	146	4.012	4.012	0.000	97	538463	10.0	10.5	
21 2,2'-oxybis[1-chloropropane]	45	4.127	4.127	0.000	90	469054	10.0	10.4	
20 2-Methylphenol	108	4.131	4.131	0.000	89	424649	10.0	10.7	
22 N-Methylaniline	106	4.246	4.246	0.000	99	707177	10.0	11.1	
23 Acetophenone	105	4.252	4.252	0.000	95	692327	10.0	10.6	
24 N-Nitrosodi-n-propylamine	70	4.258	4.258	0.000	88	313037	10.0	11.1	
26 4-Methylphenol	108	4.287	4.287	0.000	96	446784	10.0	10.5	
25 3 & 4 Methylphenol	108	4.287	4.287	0.000	62	449147	10.0	10.5	
27 Hexachloroethane	117	4.335	4.335	0.000	94	201957	10.0	11.0	
29 Nitrobenzene	123	4.415	4.415	0.000	99	250440	10.0	10.9	
30 n,n'-Dimethylaniline	120	4.418	4.418	0.000	93	745090	10.0	10.4	
31 Isophorone	82	4.648	4.648	0.000	99	842919	10.0	11.1	
32 2-Nitrophenol	139	4.725	4.722	0.003	96	270827	10.0	10.9	
33 2,4-Dimethylphenol	122	4.795	4.795	0.000	92	360325	10.0	10.8	
34 Bis(2-chloroethoxy)methane	93	4.875	4.875	0.000	98	544253	10.0	10.6	
35 Benzoic acid	122	4.917	4.914	0.003	88	256090	10.0	10.2	
36 2,4-Dichlorophenol	162	4.968	4.971	-0.003	97	417295	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 1,2,4-Trichlorobenzene	180	5.035	5.035	0.000	94	465752	10.0	11.0	
* 38 Naphthalene-d8	136	5.083	5.083	0.000	99	1078558	8.00	8.00	
39 Naphthalene	128	5.102	5.102	0.000	99	1508733	10.0	10.8	
40 4-Chloroaniline	127	5.179	5.179	0.000	97	565561	10.0	12.3	
41 2,6-Dichlorophenol	162	5.179	5.179	0.000	97	427550	10.0	10.9	
42 Hexachlorobutadiene	225	5.233	5.233	0.000	96	266461	10.0	10.8	
44 Caprolactam	113	5.498	5.498	0.000	95	42932	4.00	3.86	
45 4-Chloro-3-methylphenol	107	5.674	5.674	0.000	95	389350	10.0	10.8	
46 2-Methylnaphthalene	142	5.770	5.770	0.000	85	1024923	10.0	10.8	
47 1-Methylnaphthalene	142	5.863	5.863	0.000	93	930950	10.0	10.5	
48 Hexachlorocyclopentadiene	237	5.924	5.927	-0.003	98	300882	10.0	11.1	
49 1,2,4,5-Tetrachlorobenzene	216	5.933	5.933	0.000	98	467627	10.0	10.9	
50 2-tertbutyl-4-methylphenol	149	6.000	6.000	0.000	91	586184	10.0	10.8	
51 2,4,6-Trichlorophenol	196	6.055	6.055	0.000	91	302139	10.0	11.4	
52 2,4,5-Trichlorophenol	196	6.096	6.096	0.000	98	320125	10.0	11.0	
54 1,1'-Biphenyl	154	6.221	6.221	0.000	97	1226812	10.0	10.7	
55 2-Chloronaphthalene	162	6.231	6.231	0.000	99	950827	10.0	10.8	
56 Phenyl ether	170	6.327	6.327	0.000	85	641437	10.0	10.3	
57 2-Nitroaniline	65	6.346	6.346	0.000	92	229794	10.0	10.8	
58 1,3-Dimethylnaphthalene	156	6.445	6.445	0.000	91	718788	10.0	10.2	
60 Coumarin	146	6.531	6.534	-0.003	80	332493	10.0	9.87	
59 Dimethyl phthalate	163	6.534	6.534	0.000	99	994149	10.0	10.4	
61 2,6-Dinitrotoluene	165	6.582	6.582	0.000	96	222374	10.0	11.1	
62 Acenaphthylene	152	6.621	6.621	0.000	98	1413151	10.0	10.6	
63 3-Nitroaniline	138	6.739	6.739	0.000	96	238666	10.0	11.3	
* 64 Acenaphthene-d10	164	6.755	6.755	0.000	95	583672	8.00	8.00	
65 Acenaphthene	154	6.784	6.787	-0.003	95	856145	10.0	10.6	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.803	6.803	0.000	97	713990	10.0	10.3	
67 2,4-Dinitrophenol	184	6.838	6.838	0.000	96	294057	20.0	20.5	
68 4-Nitrophenol	65	6.944	6.944	0.000	84	329028	20.0	21.6	
70 Dibenzofuran	168	6.950	6.950	0.000	96	1351857	10.0	10.6	
69 2,4-Dinitrotoluene	165	6.960	6.960	0.000	94	301130	10.0	11.3	
71 2,3,4,6-Tetrachlorophenol	232	7.081	7.081	0.000	95	256130	10.0	10.8	
72 Diethyl phthalate	149	7.206	7.206	0.000	98	939642	10.0	9.94	
73 Fluorene	166	7.273	7.273	0.000	94	1033130	10.0	10.7	
74 4-Chlorophenyl phenyl ether	204	7.286	7.286	0.000	91	487693	10.0	10.5	
75 4-Nitroaniline	138	7.318	7.318	0.000	85	217243	10.0	11.0	
76 4,6-Dinitro-2-methylphenol	198	7.344	7.344	0.000	89	364794	20.0	23.3	
77 N-Nitrosodiphenylamine	169	7.405	7.405	0.000	98	709913	10.0	11.0	
131 Azobenzene	77	7.437	7.437	0.000	0	943464	10.0	11.0	
78 1,2-Diphenylhydrazine	77	7.437	7.437	0.000	98	943456	10.0	11.0	
80 4-Bromophenyl phenyl ether	248	7.747	7.747	0.000	93	286734	10.0	10.8	
82 Hexachlorobenzene	284	7.788	7.788	0.000	96	360174	10.0	10.9	
83 Atrazine	200	7.926	7.926	0.000	94	95159	4.00	4.52	
84 Pentachlorophenol	266	7.990	7.990	0.000	94	461036	20.0	20.5	
85 Pentachloronitrobenzene	237	7.996	7.996	0.000	90	124747	10.0	10.6	
87 n-Octadecane	57	8.105	8.105	0.000	89	532559	10.0	11.4	
* 88 Phenanthrene-d10	188	8.150	8.150	0.000	98	1005633	8.00	8.00	
89 Phenanthrene	178	8.172	8.172	0.000	97	1390655	10.0	10.6	
90 Anthracene	178	8.220	8.220	0.000	99	1436392	10.0	10.9	
91 Carbazole	167	8.386	8.390	-0.004	96	1225773	10.0	10.8	
92 Di-n-butyl phthalate	149	8.751	8.751	0.000	99	1423058	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.291	9.291	0.000	98	1355544	10.0	10.8	
94 Benzidine	184	9.441	9.444	-0.003	99	438952	10.0	11.5	
95 Pyrene	202	9.499	9.499	0.001	97	1417533	10.0	10.7	
96 Bisphenol-A	213	9.595	9.594	0.001	99	390506	10.0	10.1	
98 Butyl benzyl phthalate	149	10.164	10.164	0.000	96	523906	10.0	11.3	
100 Carbamazepine	193	10.240	10.240	0.000	93	343430	10.0	9.71	
101 3,3'-Dichlorobenzidine	252	10.669	10.669	0.000	99	458342	10.0	10.6	
102 Benzo[a]anthracene	228	10.669	10.669	0.000	99	1201681	10.0	10.8	
* 103 Chrysene-d12	240	10.675	10.679	-0.003	99	693263	8.00	8.00	
104 Chrysene	228	10.704	10.704	0.000	98	1099246	10.0	10.4	
105 Bis(2-ethylhexyl) phthalate	149	10.775	10.778	-0.003	85	702322	10.0	10.9	
106 Di-n-octyl phthalate	149	11.519	11.523	-0.004	96	1099745	10.0	10.3	
107 Benzo[b]fluoranthene	252	11.881	11.881	0.000	98	1069372	10.0	11.5	
108 Benzo[k]fluoranthene	252	11.913	11.913	0.000	99	1087413	10.0	11.1	
109 Benzo[a]pyrene	252	12.277	12.277	0.000	96	974456	10.0	11.8	
* 110 Perylene-d12	264	12.348	12.348	0.000	99	680216	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.739	13.739	0.000	99	1043805	10.0	11.0	
112 Dibenz(a,h)anthracene	278	13.787	13.783	0.004	97	1070002	10.0	11.1	
113 Benzo[g,h,i]perylene	276	14.082	14.078	0.004	97	1016095	10.0	11.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_ICV_ LVI_00010 Amount Added: 1.00 Units: mL

Report Date: 18-Apr-2024 07:59:26 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84798.D

Injection Date: 17-Apr-2024 19:42:30 Instrument ID: CBNAMS18 Operator ID:

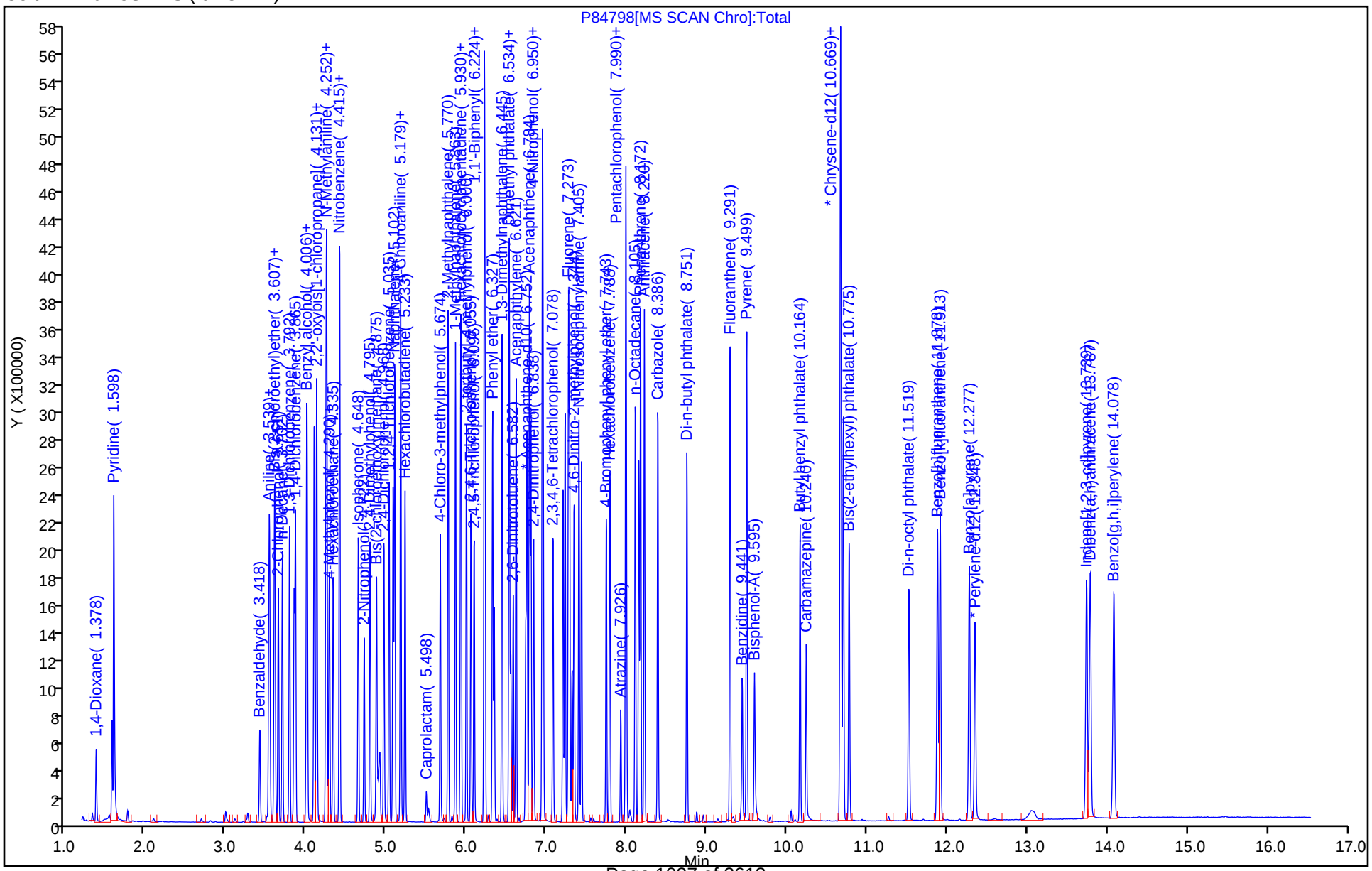
Lims ID: ICV Worklist Smp#: 13

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 15

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-974604/2 | Calibration Date: 05/13/2024 18:56

Instrument ID: CBNAMS18 | Calib Start Date: 04/17/2024 12:39

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 04/17/2024 18:18

Lab File ID: P85193.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4978	0.5065		10200	10000	1.7	20.0
N-Nitrosodimethylamine	Ave	0.7790	0.7555		9700	10000	-3.0	20.0
Pyridine	Ave	1.136	1.113		19600	20000	-2.1	20.0
Benzaldehyde	Ave	0.9906	0.9771	0.0100	3950	4000	-1.4	20.0
Aniline	Ave	1.649	1.802		10900	10000	9.3	20.0
Phenol	Ave	1.652	1.713	0.8000	10400	10000	3.7	20.0
Bis(2-chloroethyl)ether	Ave	1.194	1.273	0.7000	10700	10000	6.6	20.0
2-Chlorophenol	Ave	1.313	1.374	0.8000	10500	10000	4.6	20.0
n-Decane	Ave	0.9934	1.030		10400	10000	3.6	20.0
1,3-Dichlorobenzene	Ave	1.512	1.501		9930	10000	-0.7	20.0
1,4-Dichlorobenzene	Ave	1.543	1.510		9780	10000	-2.2	20.0
Benzyl alcohol	Ave	0.8302	0.7951		9580	10000	-4.2	20.0
1,2-Dichlorobenzene	Ave	1.501	1.427	0.0100	9510	10000	-4.9	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.322	1.299	0.0100	9820	10000	-1.8	20.0
2-Methylphenol	Ave	1.161	1.139	0.7000	9810	10000	-1.9	20.0
N-Methylaniline	Ave	1.862	1.973		10600	10000	6.0	20.0
Acetophenone	Ave	1.914	1.740	0.0100	9090	10000	-9.1	20.0
N-Nitrosodi-n-propylamine	Ave	0.8225	0.8309	0.5000	10100	10000	1.0	20.0
3 & 4 Methylphenol	Ave	1.243	1.219		9810	10000	-1.9	20.0
4-Methylphenol	Ave	1.239	1.201	0.6000	9700	10000	-3.0	20.0
Hexachloroethane	Ave	0.5346	0.5273	0.3000	9860	10000	-1.4	20.0
Nitrobenzene	Ave	0.6697	0.6658	0.2000	9940	10000	-0.6	20.0
n,n'-Dimethylaniline	Ave	2.093	2.085		9960	10000	-0.4	20.0
Isophorone	Ave	0.5646	0.5821	0.4000	10300	10000	3.1	20.0
2-Nitrophenol	Ave	0.1839	0.1950	0.1000	10600	10000	6.0	20.0
2,4-Dimethylphenol	Ave	0.2476	0.2518	0.2000	10200	10000	1.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.3821	0.3998	0.3000	10500	10000	4.6	20.0
Benzoic acid	Lin2		0.2062		11100	10000	10.8	20.0
2,4-Dichlorophenol	Ave	0.2858	0.2937	0.2000	10300	10000	2.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3146	0.3281		10400	10000	4.3	20.0
Naphthalene	Ave	1.037	1.032	0.7000	9950	10000	-0.5	20.0
4-Chloroaniline	Ave	0.3400	0.3923	0.0100	11500	10000	15.4	20.0
Hexachlorobutadiene	Ave	0.1828	0.1873	0.0100	10200	10000	2.4	20.0
Caprolactam	Lin1		0.0900	0.0100	4340	4000	8.6	20.0
4-Chloro-3-methylphenol	Ave	0.2668	0.2620	0.2000	9820	10000	-1.8	20.0
2-Methylnaphthalene	Ave	0.7071	0.6917	0.4000	9780	10000	-2.2	20.0
1-Methylnaphthalene	Ave	0.6581	0.6268		9520	10000	-4.8	20.0
Hexachlorocyclopentadiene	Ave	0.3725	0.4043	0.0500	10900	10000	8.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5900	0.6355	0.0100	10800	10000	7.7	20.0
2-tertbutyl-4-methylphenol	Ave	0.4025	0.4208		10500	10000	4.5	20.0
2,4,6-Trichlorophenol	Ave	0.3617	0.4238	0.2000	11700	10000	17.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-974604/2 | Calibration Date: 05/13/2024 18:56

Instrument ID: CBNAMS18 | Calib Start Date: 04/17/2024 12:39

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 04/17/2024 18:18

Lab File ID: P85193.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4000	0.4344	0.2000	10900	10000	8.6	20.0
1,1'-Biphenyl	Ave	1.568	1.582	0.0100	10100	10000	0.9	20.0
2-Chloronaphthalene	Ave	1.206	1.215	0.8000	10100	10000	0.7	20.0
Phenyl ether	Ave	0.8544	0.8985		10500	10000	5.2	20.0
2-Nitroaniline	Ave	0.2926	0.2779	0.0100	9500	10000	-5.0	20.0
1,3-Dimethylnaphthalene	Ave	0.9622	1.011		10500	10000	5.1	20.0
Coumarin	Ave	0.2499	0.2355		9420	10000	-5.8	20.0
Dimethyl phthalate	Ave	1.304	1.336	0.0100	10200	10000	2.5	20.0
2,6-Dinitrotoluene	Ave	0.2746	0.3117	0.2000	11400	10000	13.5	20.0
Acenaphthylene	Ave	1.825	1.856	0.9000	10200	10000	1.7	20.0
3-Nitroaniline	Ave	0.2903	0.3181	0.0100	11000	10000	9.6	20.0
Acenaphthene	Ave	1.110	1.117	0.9000	10100	10000	0.6	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9512	1.055		11100	10000	10.9	20.0
2,4-Dinitrophenol	Lin2		0.2227	0.0100	22500	20000	12.5	20.0
4-Nitrophenol	Ave	0.2090	0.1884	0.0100	18000	20000	-9.8	20.0
Dibenzofuran	Ave	1.743	1.710	0.8000	9810	10000	-1.9	20.0
2,4-Dinitrotoluene	Ave	0.3667	0.4077	0.2000	11100	10000	11.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3246	0.3612	0.0100	11100	10000	11.2	20.0
Diethyl phthalate	Ave	1.296	1.274	0.0100	9830	10000	-1.7	20.0
Fluorene	Ave	1.323	1.359	0.9000	10300	10000	2.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.6368	0.6705	0.4000	10500	10000	5.3	20.0
4-Nitroaniline	Ave	0.2719	0.3143	0.0100	11600	10000	15.6	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1247	0.1481	0.0100	23700	20000	18.7	20.0
N-Nitrosodiphenylamine	Ave	0.5143	0.5238	0.0100	10200	10000	1.8	20.0
1,2-Diphenylhydrazine	Ave	0.6836	0.6122		8960	10000	-10.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2121	0.2343	0.1000	11000	10000	10.5	20.0
Hexachlorobenzene	Ave	0.2626	0.3034	0.1000	11600	10000	15.5	20.0
Atrazine	Ave	0.1673	0.2032	0.0100	4860	4000	21.4*	20.0
Pentachlorophenol	Lin2		0.1913	0.0500	21300	20000	6.7	20.0
Pentachloronitrobenzene	Ave	0.0937	0.0907	0.0100	9680	10000	-3.2	20.0
n-Octadecane	Ave	0.3733	0.3827		10300	10000	2.5	20.0
Phenanthrene	Ave	1.040	1.034	0.7000	9940	10000	-0.6	20.0
Anthracene	Ave	1.047	1.058	0.7000	10100	10000	1.1	20.0
Carbazole	Ave	0.9035	0.9224	0.0100	10200	10000	2.1	20.0
Di-n-butyl phthalate	Ave	1.019	1.117	0.0100	11000	10000	9.6	20.0
Fluoranthene	Ave	0.996	1.063	0.6000	10700	10000	6.6	20.0
Benzidine	Ave	0.3039	0.4619		15200	10000	52.0*	20.0
Pyrene	Ave	1.524	1.491	0.6000	9780	10000	-2.2	20.0
Bisphenol-A	Ave	0.4469	0.4653		10400	10000	4.1	20.0
Butyl benzyl phthalate	Ave	0.5338	0.5497	0.0100	10300	10000	3.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-974604/2 Calibration Date: 05/13/2024 18:56

Instrument ID: CBNAMS18 Calib Start Date: 04/17/2024 12:39

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/17/2024 18:18

Lab File ID: P85193.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD	Ave	0.1836	0.2475		135	100	34.8*	20.0
Carbamazepine	Lin1		0.4232		10300	10000	3.1	20.0
Benzo[a]anthracene	Ave	1.282	1.333	0.8000	10400	10000	4.0	20.0
3,3'-Dichlorobenzidine	Qua1		0.5108	0.0100	10300	10000	2.7	20.0
Chrysene	Ave	1.222	1.265	0.7000	10400	10000	3.5	20.0
Bis(2-ethylhexyl) phthalate	Qua1		0.7641	0.0100	10300	10000	3.3	20.0
Di-n-octyl phthalate	Lin2		1.148	0.0100	9250	10000	-7.5	20.0
Benzo[b]fluoranthene	Ave	1.097	1.246		11400	10000	13.6	20.0
Benzo[k]fluoranthene	Ave	1.148	1.262	0.7000	11000	10000	10.0	20.0
Benzo[a]pyrene	Ave	0.9725	1.109	0.7000	11400	10000	14.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.115	1.193	0.5000	10700	10000	7.0	20.0
Dibenz(a,h)anthracene	Ave	1.138	1.206	0.4000	10600	10000	6.0	20.0
Benzo[g,h,i]perylene	Ave	1.090	1.131	0.5000	10400	10000	3.8	20.0
2-Fluorophenol (Surr)	Ave	1.270	1.354		10700	10000	6.6	20.0
Phenol-d5 (Surr)	Ave	1.519	1.713		11300	10000	12.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3404	0.3608		10600	10000	6.0	20.0
2-Fluorobiphenyl	Ave	1.470	1.581		10700	10000	7.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2714	0.3504		12900	10000	29.1*	20.0
Terphenyl-d14 (Surr)	Ave	1.238	1.406		11400	10000	13.5	20.0

Report Date: 14-May-2024 10:11:08 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85193.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-May-2024 18:56:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:11:06 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: DY9Z Date: 13-May-2024 19:30:03

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	1.295	1.295	0.000	91	230884	10.0	10.2	
2 N-Nitrosodimethylamine	74	1.487	1.487	0.000	99	344386	10.0	9.70	
3 Pyridine	79	1.506	1.506	0.000	99	1014497	20.0	19.6	
$ 4 2-Fluorophenol	112	2.503	2.503	0.000	97	617083	10.0	10.7	
5 Benzaldehyde	77	3.292	3.292	0.000	95	178147	4.00	3.95	
$ 6 Phenol-d5	99	3.403	3.403	0.000	97	781022	10.0	11.3	
8 Aniline	93	3.407	3.407	0.000	97	821202	10.0	10.9	
7 Phenol	94	3.416	3.416	0.000	96	781013	10.0	10.4	
9 Bis(2-chloroethyl)ether	93	3.477	3.477	0.000	99	580246	10.0	10.7	
10 Benzonitrile	103	3.483	3.483	0.000	96	1165274	NC	NC	
11 2-Chlorophenol	128	3.525	3.525	0.000	98	626087	10.0	10.5	
12 n-Decane	43	3.579	3.579	0.000	86	469289	10.0	10.4	
13 1,3-Dichlorobenzene	146	3.666	3.666	0.000	98	684375	10.0	9.93	
* 14 1,4-Dichlorobenzene-d4	152	3.726	3.726	0.000	93	364660	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.742	3.742	0.000	96	688139	10.0	9.78	
17 Benzyl alcohol	108	3.883	3.883	0.000	96	362444	10.0	9.58	
18 1,2-Dichlorobenzene	146	3.889	3.889	0.000	97	650435	10.0	9.51	
21 2,2'-oxybis[1-chloropropane]	45	4.011	4.011	0.000	95	592067	10.0	9.82	
20 2-Methylphenol	108	4.014	4.014	0.000	91	519101	10.0	9.81	
22 N-Methylaniline	106	4.129	4.129	0.000	94	899260	10.0	10.6	
23 Acetophenone	105	4.136	4.136	0.000	96	793356	10.0	9.09	
24 N-Nitrosodi-n-propylamine	70	4.145	4.145	0.000	86	378731	10.0	10.1	
26 4-Methylphenol	108	4.174	4.174	0.000	98	547522	10.0	9.70	
25 3 & 4 Methylphenol	108	4.174	4.174	0.000	61	555746	10.0	9.81	
27 Hexachloroethane	117	4.216	4.216	0.000	94	240335	10.0	9.86	
$ 28 Nitrobenzene-d5	82	4.280	4.280	0.000	83	615483	10.0	10.6	
29 Nitrobenzene	123	4.299	4.299	0.000	97	303498	10.0	9.94	
30 n,n'-Dimethylaniline	120	4.302	4.302	0.000	96	950616	10.0	9.96	
31 Isophorone	82	4.532	4.532	0.000	98	992943	10.0	10.3	
32 2-Nitrophenol	139	4.609	4.609	0.000	96	332535	10.0	10.6	
33 2,4-Dimethylphenol	122	4.685	4.685	0.000	94	429574	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.765	4.765	0.000	95	682010	10.0	10.5	
35 Benzoic acid	122	4.804	4.804	0.000	83	351658	10.0	11.1	
36 2,4-Dichlorophenol	162	4.855	4.855	0.000	97	500934	10.0	10.3	
37 1,2,4-Trichlorobenzene	180	4.919	4.919	0.000	94	559624	10.0	10.4	
* 38 Naphthalene-d8	136	4.967	4.967	0.000	98	1364551	8.00	8.00	
39 Naphthalene	128	4.986	4.986	0.000	99	1760125	10.0	9.95	
40 4-Chloroaniline	127	5.063	5.063	0.000	93	669066	10.0	11.5	
41 2,6-Dichlorophenol	162	5.066	5.066	0.000	86	490572	10.0	9.87	
42 Hexachlorobutadiene	225	5.120	5.120	0.000	99	319414	10.0	10.2	
44 Caprolactam	113	5.386	5.386	0.000	94	61380	4.00	4.34	
45 4-Chloro-3-methylphenol	107	5.565	5.565	0.000	93	446807	10.0	9.82	
46 2-Methylnaphthalene	142	5.657	5.657	0.000	86	1179753	10.0	9.78	
47 1-Methylnaphthalene	142	5.747	5.747	0.000	92	1069066	10.0	9.52	
48 Hexachlorocyclopentadiene	237	5.811	5.811	0.000	98	357710	10.0	10.9	
49 1,2,4,5-Tetrachlorobenzene	216	5.821	5.821	0.000	99	562180	10.0	10.8	
50 2-tertbutyl-4-methylphenol	149	5.891	5.891	0.000	93	717685	10.0	10.5	
51 2,4,6-Trichlorophenol	196	5.942	5.942	0.000	94	374960	10.0	11.7	
52 2,4,5-Trichlorophenol	196	5.981	5.981	0.000	99	384286	10.0	10.9	
$ 53 2-Fluorobiphenyl	172	6.019	6.019	0.000	98	1398435	10.0	10.7	
54 1,1'-Biphenyl	154	6.109	6.109	0.000	95	1399936	10.0	10.1	
55 2-Chloronaphthalene	162	6.118	6.118	0.000	99	1074511	10.0	10.1	
56 Phenyl ether	170	6.214	6.214	0.000	83	794938	10.0	10.5	
57 2-Nitroaniline	65	6.233	6.233	0.000	88	245898	10.0	9.50	
58 1,3-Dimethylnaphthalene	156	6.329	6.329	0.000	94	894510	10.0	10.5	
60 Coumarin	146	6.419	6.419	0.000	84	401664	10.0	9.42	
59 Dimethyl phthalate	163	6.425	6.425	0.000	99	1182354	10.0	10.2	
61 2,6-Dinitrotoluene	165	6.473	6.473	0.000	91	275753	10.0	11.4	
62 Acenaphthylene	152	6.505	6.505	0.000	98	1642136	10.0	10.2	
63 3-Nitroaniline	138	6.627	6.627	0.000	95	281437	10.0	11.0	
* 64 Acenaphthene-d10	164	6.640	6.640	0.000	96	707756	8.00	8.00	
65 Acenaphthene	154	6.672	6.672	0.000	95	988248	10.0	10.1	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.694	6.694	0.000	96	933093	10.0	11.1	
67 2,4-Dinitrophenol	184	6.729	6.729	0.000	91	393993	20.0	22.5	
70 Dibenzofuran	168	6.835	6.835	0.000	98	1512926	10.0	9.81	
68 4-Nitrophenol	65	6.835	6.835	0.000	81	333404	20.0	18.0	
69 2,4-Dinitrotoluene	165	6.848	6.848	0.000	96	360691	10.0	11.1	a
71 2,3,4,6-Tetrachlorophenol	232	6.966	6.966	0.000	97	319515	10.0	11.1	
72 Diethyl phthalate	149	7.094	7.094	0.000	98	1127141	10.0	9.83	
73 Fluorene	166	7.158	7.158	0.000	95	1202445	10.0	10.3	
74 4-Chlorophenyl phenyl ether	204	7.174	7.174	0.000	94	593209	10.0	10.5	
75 4-Nitroaniline	138	7.206	7.206	0.000	86	278095	10.0	11.6	
76 4,6-Dinitro-2-methylphenol	198	7.232	7.232	0.000	95	475131	20.0	23.7	
77 N-Nitrosodiphenylamine	169	7.292	7.292	0.000	99	840205	10.0	10.2	
78 1,2-Diphenylhydrazine	77	7.321	7.321	0.000	96	982087	10.0	8.96	
131 Azobenzene	77	7.321	7.321	0.000	0	982087	10.0	8.95	
$ 79 2,4,6-Tribromophenol	330	7.388	7.388	0.000	88	309964	10.0	12.9	
80 4-Bromophenyl phenyl ether	248	7.631	7.631	0.000	97	375902	10.0	11.0	
82 Hexachlorobenzene	284	7.673	7.673	0.000	93	486629	10.0	11.6	
83 Atrazine	200	7.817	7.817	0.000	96	130355	4.00	4.86	
84 Pentachlorophenol	266	7.871	7.871	0.000	95	613811	20.0	21.3	
85 Pentachloronitrobenzene	237	7.881	7.881	0.000	93	145489	10.0	9.68	
87 n-Octadecane	57	7.996	7.996	0.000	87	613951	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.032	8.032	0.000	98	1283326	8.00	8.00	
89 Phenanthrene	178	8.054	8.054	0.000	97	1658905	10.0	9.94	
90 Anthracene	178	8.102	8.102	0.000	99	1697397	10.0	10.1	
91 Carbazole	167	8.271	8.271	0.000	95	1479600	10.0	10.2	
92 Di-n-butyl phthalate	149	8.639	8.639	0.000	99	1791160	10.0	11.0	
93 Fluoranthene	202	9.170	9.170	0.000	98	1704471	10.0	10.7	
94 Benzidine	184	9.326	9.326	0.000	99	741038	10.0	15.2	
95 Pyrene	202	9.374	9.374	0.000	97	1755674	10.0	9.78	
96 Bisphenol-A	213	9.480	9.480	0.000	99	547914	10.0	10.4	
$ 97 Terphenyl-d14	244	9.557	9.557	0.000	97	1655070	10.0	11.4	
98 Butyl benzyl phthalate	149	10.046	10.046	0.000	94	647232	10.0	10.3	
99 2,3,7,8-TCDD	320	10.094	10.094	0.000	91	2914	0.1000	0.1348	
100 Carbamazepine	193	10.117	10.117	0.000	93	498283	10.0	10.3	
102 Benzo[a]anthracene	228	10.529	10.529	0.000	99	1569652	10.0	10.4	
101 3,3'-Dichlorobenzidine	252	10.532	10.532	0.000	97	601467	10.0	10.3	
* 103 Chrysene-d12	240	10.539	10.539	0.000	99	941953	8.00	8.00	
104 Chrysene	228	10.564	10.564	0.000	99	1489384	10.0	10.4	
105 Bis(2-ethylhexyl) phthalate	149	10.644	10.644	0.000	84	899725	10.0	10.3	
106 Di-n-octyl phthalate	149	11.367	11.367	0.000	95	1353237	10.0	9.25	
107 Benzo[b]fluoranthene	252	11.706	11.706	0.000	99	1467943	10.0	11.4	
108 Benzo[k]fluoranthene	252	11.738	11.738	0.000	99	1486990	10.0	11.0	
109 Benzo[a]pyrene	252	12.090	12.090	0.000	97	1306435	10.0	11.4	
* 110 Perylene-d12	264	12.160	12.160	0.000	99	942813	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.519	13.519	0.000	99	1406206	10.0	10.7	
112 Dibenz(a,h)anthracene	278	13.561	13.561	0.000	98	1421201	10.0	10.6	
113 Benzo[g,h,i]perylene	276	13.849	13.849	0.000	98	1332361	10.0	10.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00009 Amount Added: 1.00 Units: mL

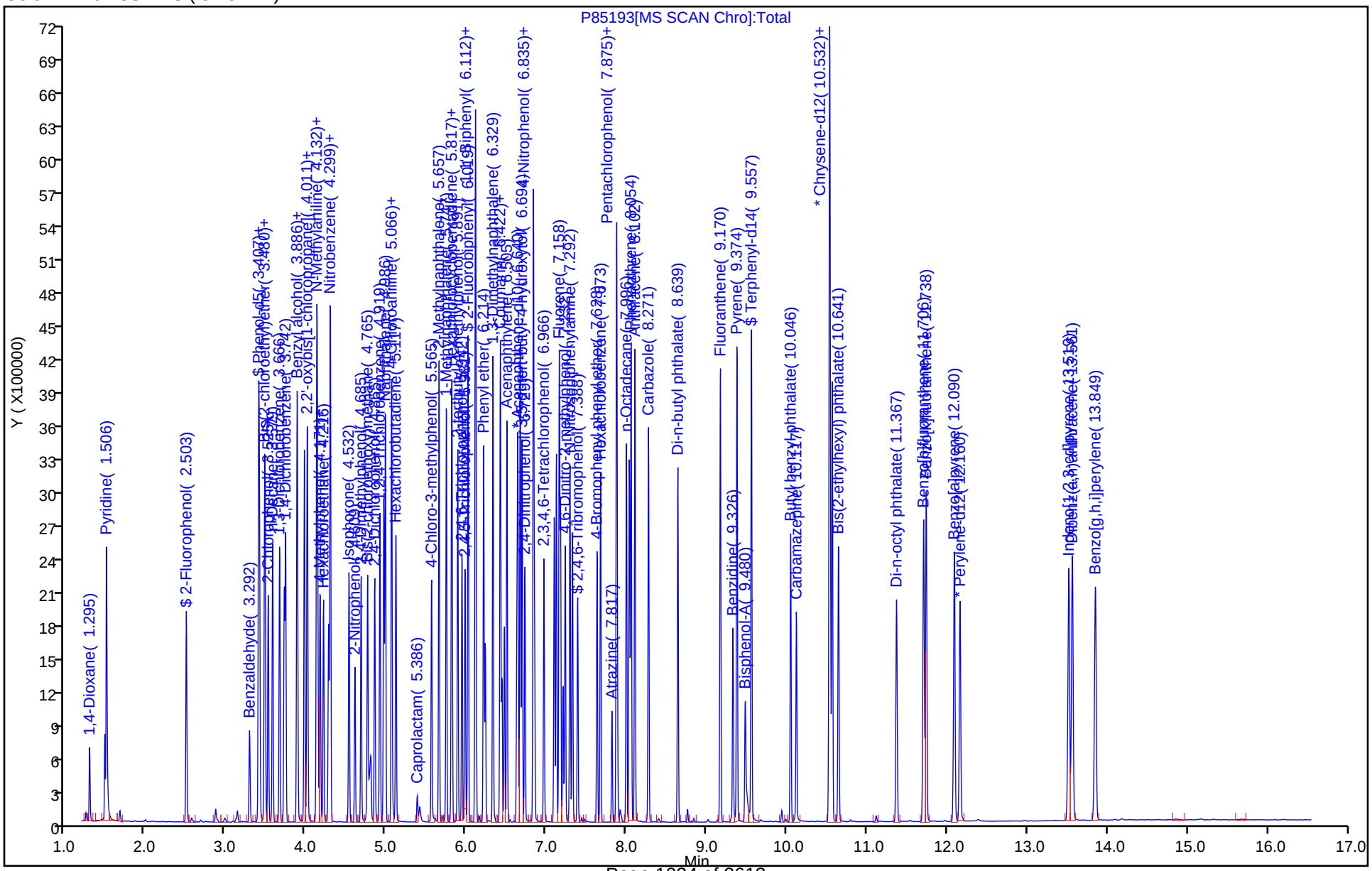
Report Date: 14-May-2024 10:11:08 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85193.D

Injection Date:	13-May-2024 18:56:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

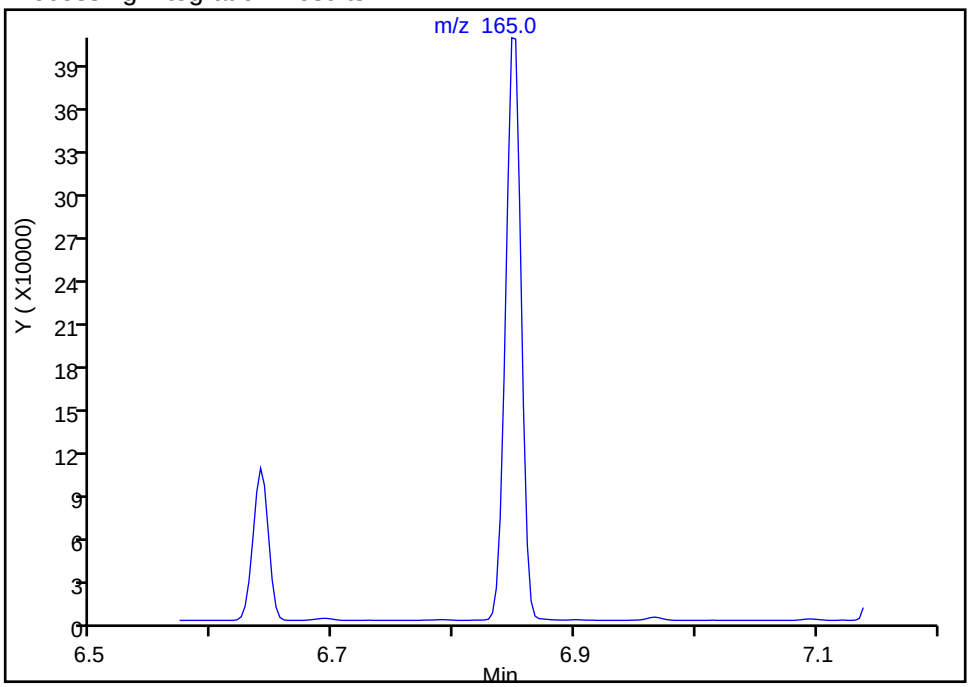
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85193.D				
Injection Date:	13-May-2024 18:56:30	Instrument ID:	CBNAMS18		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

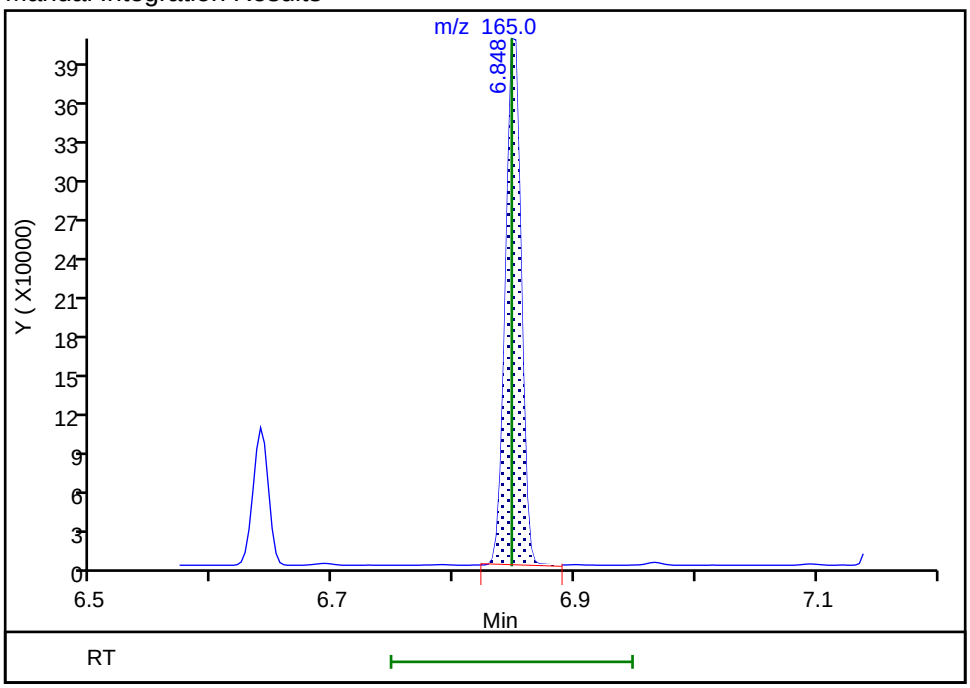
Not Detected
Expected RT: 6.85

Processing Integration Results



Manual Integration Results

RT: 6.85
Area: 360691
Amount: 11.118662
Amount Units: ug/ml



Reviewer: DY9Z, 13-May-2024 19:29:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 17-Apr-2024 11:39:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174798-001
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 18-Apr-2024 07:59:51 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: G4KC Date: 18-Apr-2024 07:59:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
16 Pentachlorophenol_T	266	3.970	3.970	0.000	94	229315	NR	NR	a
43 Benzidine_T	184	5.238	5.238	0.000	99	942795	NR	NR	
123 DFTPP									
124 4,4'-DDE	246	5.385	5.385	0.000	93	4241		NR	a
125 4,4'-DDD	235	5.772	5.772	0.000	93	1741		NR	
126 4,4'-DDT	235	5.887	5.887	0.000	98	583308	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

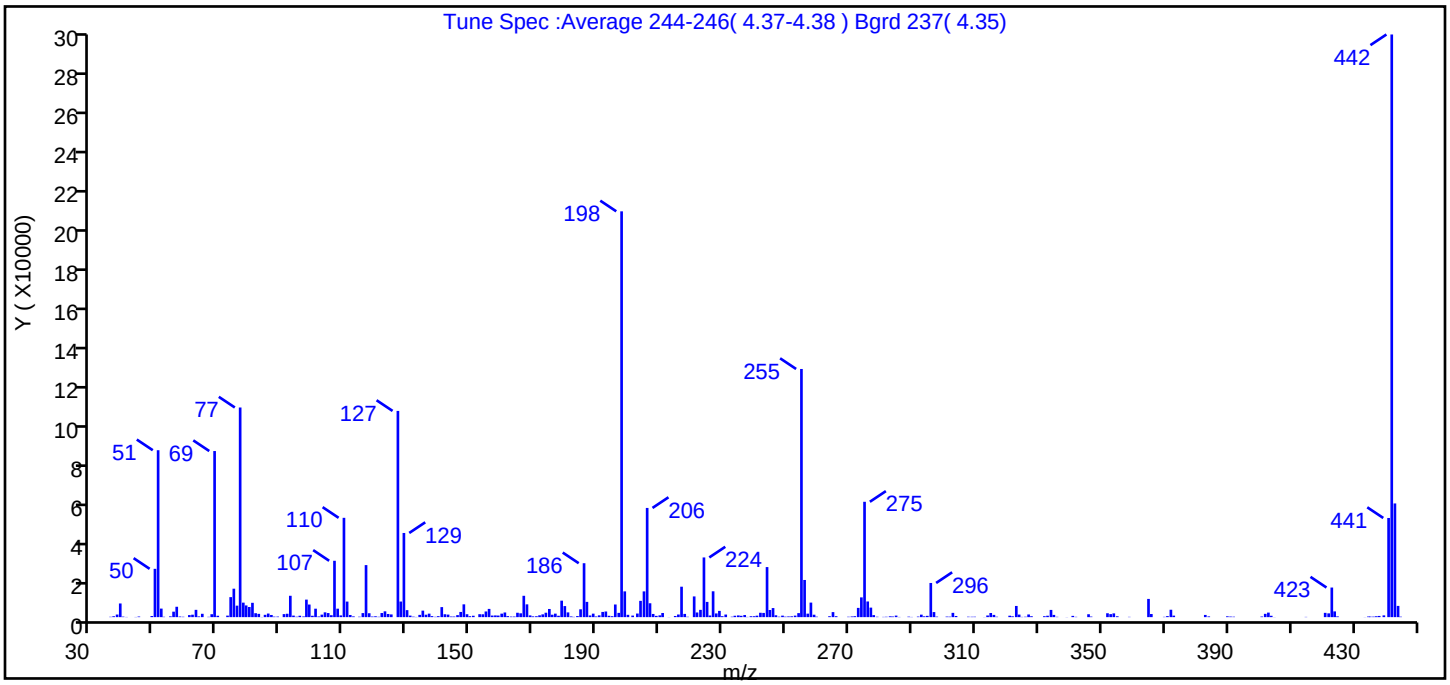
SMDFTP_CH_00036 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D
Injection Date: 17-Apr-2024 11:39:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Tune Method: DFTPP Method 8270E, BP 198

123 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.7 (1.8)
69	Present	40.9
70	<2% of m/z 69	0.3 (0.8)
197	<2% of m/z 198	1.1
199	5-9% of m/z 198	6.3
365	>1% of m/z 198	4.5
441	<150% of m/z 443	24.4 (87.2)
442	Present	143.6
443	15-24% of m/z 442	28.0 (19.5)

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D\8270LVI_18.rslt\spectra.d
Injection Date: 17-Apr-2024 11:39:30
Spectrum: Tune Spec :Average 244-246(4.37-4.38) Bgrd 237(4.35)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	179	123.00	2973	201.00	796	292.00	289
37.00	465	124.00	1613	203.00	1842	293.00	1273
38.00	1329	125.00	1390	204.00	8320	294.00	408
39.00	6987	127.00	105376	205.00	13165	295.00	661
40.00	273	128.00	7970	206.00	55800	296.00	17464
41.00	98	129.00	43008	207.00	7091	297.00	2592
43.00	2	130.00	3582	208.00	1634	298.00	267
44.00	90	131.00	789	209.00	653	301.00	282
45.00	313	132.00	252	210.00	916	302.00	243
49.00	571	133.00	100	211.00	2118	303.00	2186
50.00	24688	134.00	1154	213.00	54	304.00	592
51.00	85296	135.00	3329	215.00	595	308.00	227
52.00	4368	136.00	1245	216.00	1343	309.00	197
53.00	187	137.00	1787	217.00	15555	310.00	218
55.00	404	138.00	520	218.00	1654	313.00	56
56.00	2797	139.00	176	219.00	201	314.00	847
57.00	5303	140.00	496	221.00	10588	315.00	2113
58.00	313	141.00	5127	222.00	2385	316.00	1148
59.00	196	142.00	1485	223.00	3726	317.00	214
61.00	1048	143.00	1299	224.00	30504	321.00	730
62.00	1243	144.00	313	225.00	7785	322.00	427
63.00	3730	145.00	302	226.00	840	323.00	5718
64.00	362	146.00	1036	227.00	13211	324.00	1304
65.00	1714	147.00	2655	228.00	1894	325.00	126
67.00	164	148.00	6543	229.00	3194	326.00	216
68.00	1496	149.00	1485	230.00	482	327.00	1366
69.00	84872	150.00	487	231.00	1324	328.00	459
70.00	708	151.00	715	233.00	228	332.00	479
73.00	782	153.00	1505	234.00	714	333.00	720
74.00	10223	154.00	1466	235.00	874	334.00	3695
75.00	14537	155.00	2898	236.00	690	335.00	1143
76.00	5870	156.00	4211	237.00	1080	336.00	172
77.00	107128	157.00	811	238.00	120	339.00	55

Report Date: 18-Apr-2024 07:59:51 Chrom Revision: 2.3 09-Apr-2024 17:43:44
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D\8270LVI_18.rslt\spectra.d
Injection Date: 17-Apr-2024 11:39:30
Spectrum: Tune Spec :Average 244-246(4.37-4.38) Bgrd 237(4.35)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	7407	158.00	877	239.00	466	341.00	648
79.00	5984	159.00	810	240.00	463	342.00	161
80.00	5180	160.00	1792	241.00	750	346.00	1482
81.00	7324	161.00	2381	242.00	2237	347.00	295
82.00	2014	162.00	524	243.00	2155	352.00	1990
83.00	1681	163.00	298	244.00	25584	353.00	1546
84.00	84	164.00	304	245.00	3654	354.00	1920
85.00	1187	165.00	2240	246.00	4638	355.00	436
86.00	1837	166.00	1965	247.00	955	359.00	146
87.00	1106	167.00	10907	248.00	231	365.00	9312
88.00	257	168.00	6535	249.00	767	366.00	1596
89.00	289	169.00	893	250.00	243	370.00	152
91.00	1554	170.00	399	251.00	363	371.00	537
92.00	1729	171.00	462	252.00	425	372.00	3786
93.00	10917	172.00	936	253.00	778	373.00	770
94.00	788	173.00	1420	254.00	2057	383.00	1127
95.00	222	174.00	2260	255.00	126808	384.00	374
96.00	715	175.00	4175	256.00	18992	390.00	429
97.00	341	176.00	1238	257.00	1786	391.00	296
98.00	8960	177.00	1788	258.00	7432	392.00	228
99.00	6440	178.00	705	259.00	1237	401.00	314
100.00	700	179.00	8418	260.00	242	402.00	1687
101.00	4321	180.00	5647	264.00	475	403.00	2314
102.00	326	181.00	2421	265.00	2575	404.00	697
103.00	1278	182.00	356	266.00	479	405.00	51
104.00	2452	183.00	136	270.00	205	415.00	125
105.00	2090	184.00	546	271.00	350	421.00	2196
106.00	980	185.00	4008	272.00	486	422.00	1932
107.00	28800	186.00	27552	273.00	4727	423.00	15130
108.00	4327	187.00	7798	274.00	10094	424.00	2935
109.00	884	188.00	861	275.00	58944	425.00	376
110.00	50752	189.00	1786	276.00	8004	434.00	50
111.00	7954	190.00	335	277.00	4866	435.00	313
112.00	1107	191.00	914	278.00	1027	435.00	283

Report Date: 18-Apr-2024 07:59:51 Chrom Revision: 2.3 09-Apr-2024 17:43:44
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D\8270LVI_18.rslt\spectra.d
Injection Date: 17-Apr-2024 11:39:30
Spectrum: Tune Spec :Average 244-246(4.37-4.38) Bgrd 237(4.35)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	382	192.00	2660	279.00	205	436.00	272
115.00	226	193.00	2884	281.00	132	437.00	447
116.00	2067	194.00	694	282.00	190	438.00	614
117.00	26592	195.00	475	283.00	423	440.00	901
118.00	1997	196.00	6466	284.00	334	441.00	50672
119.00	305	197.00	2178	285.00	790	442.00	297728
120.00	445	198.00	207360	286.00	103	443.00	58096
121.00	189	199.00	13167	289.00	247	444.00	5743
122.00	2106	200.00	1187	290.00	107	445.00	238

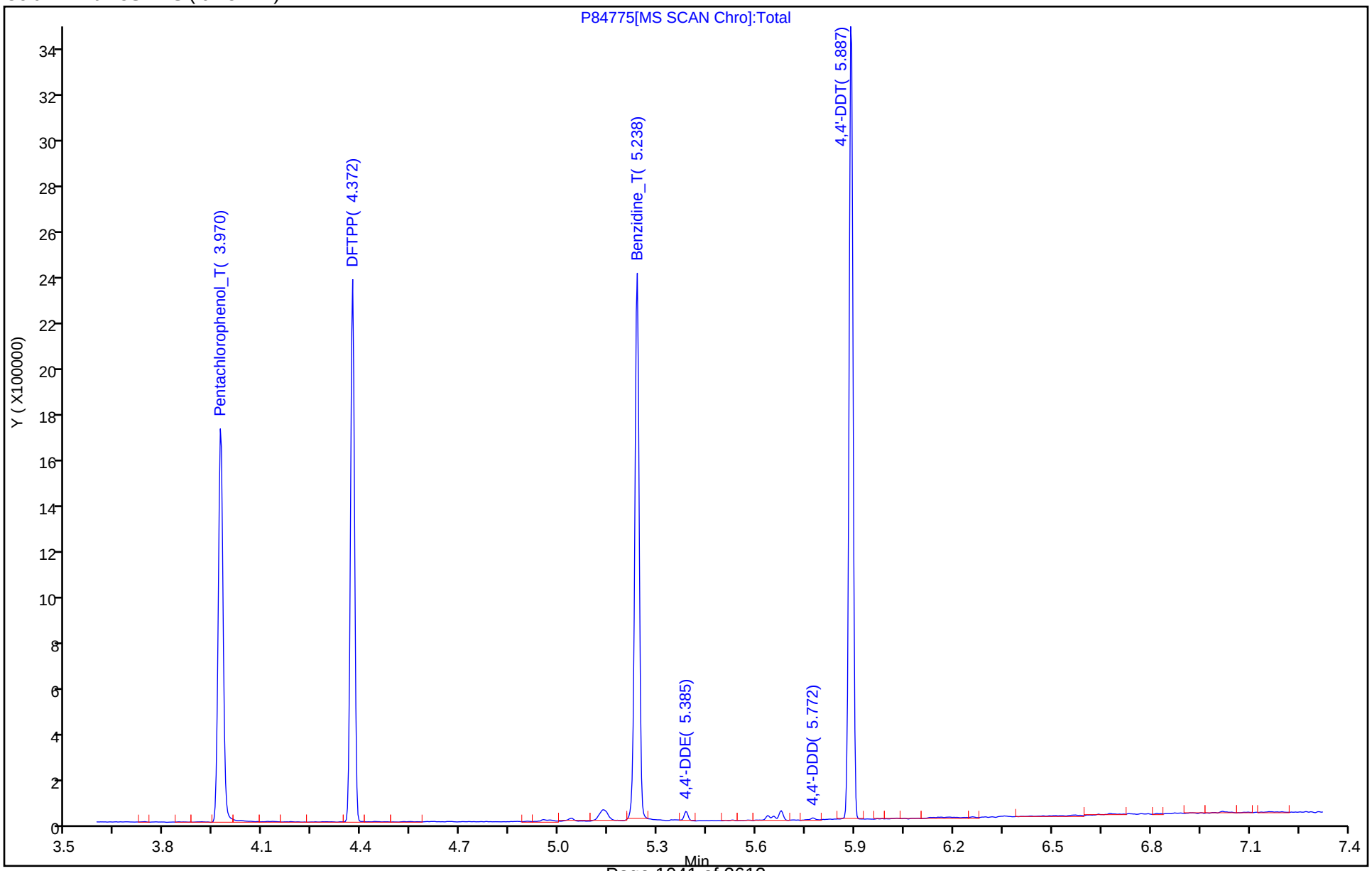
Report Date: 18-Apr-2024 07:59:52 Chrom Revision: 2.3 09-Apr-2024 17:43:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D

Injection Date:	17-Apr-2024 11:39:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D
Injection Date: 17-Apr-2024 11:39:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

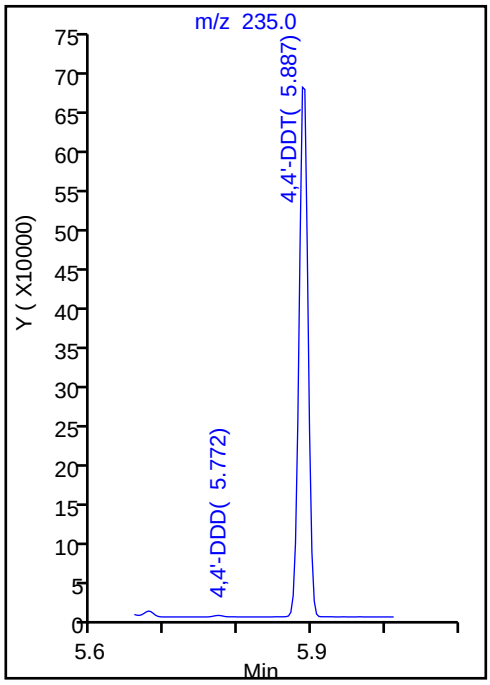
126 4,4'-DDT, Detector: MS SCAN

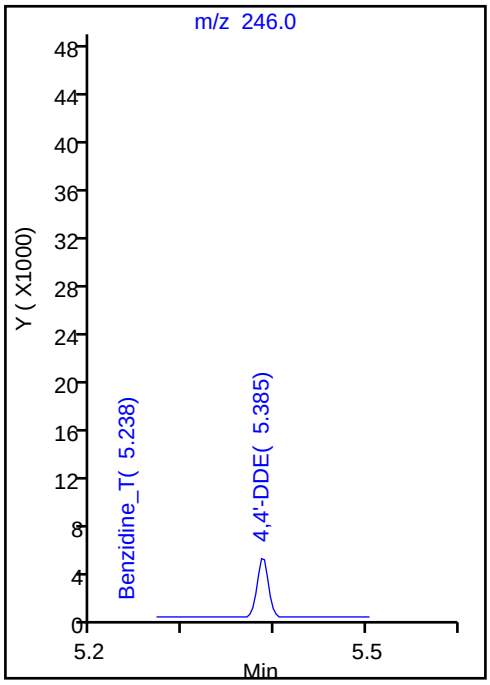
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

126 4,4'-DDT, Area = 583308
125 4,4'-DDD, Area = 1741
124 4,4'-DDE, Area = 4241

%Breakdown: 1.02%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Edison

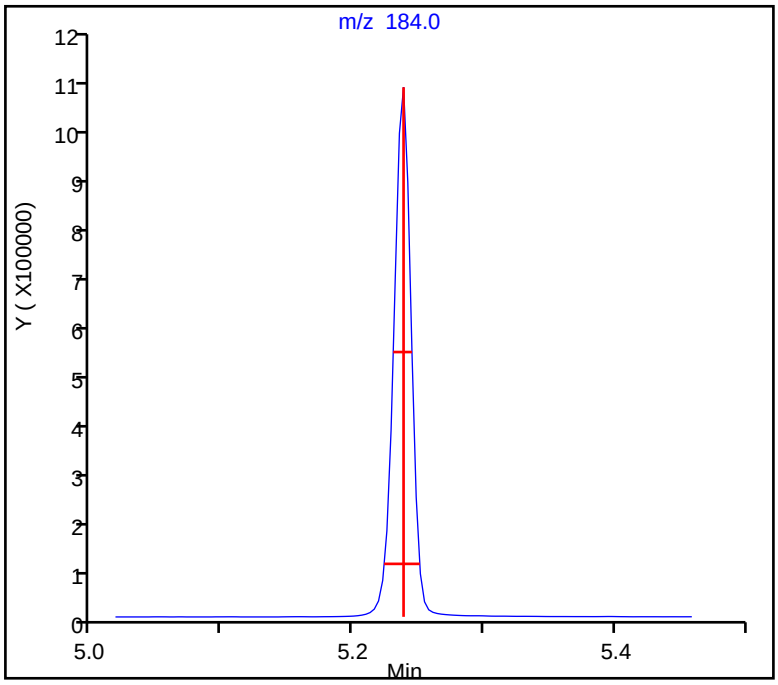
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D
Injection Date: 17-Apr-2024 11:39:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

43 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.80, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

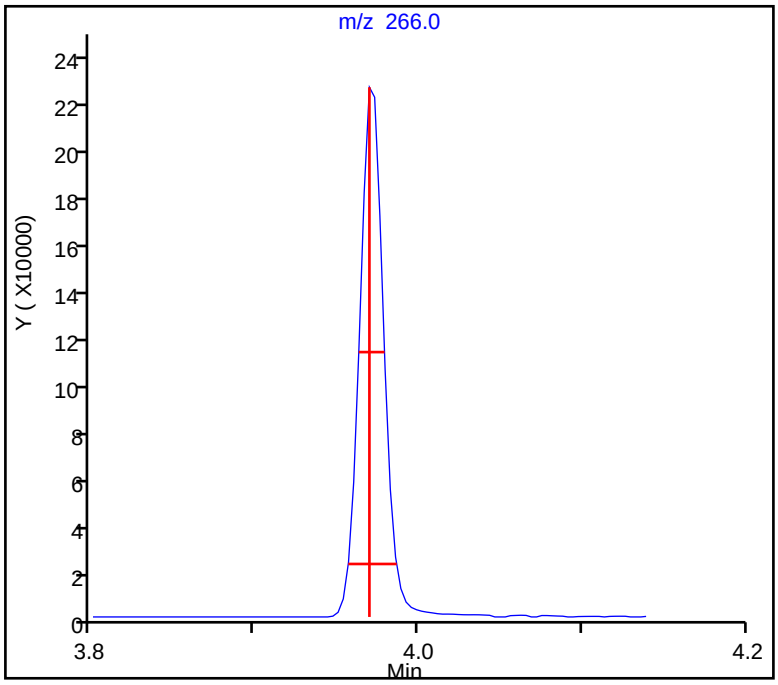
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84775.D
Injection Date: 17-Apr-2024 11:39:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

16 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.31, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-974526/1-A

Matrix: Solid | Lab File ID: P85195.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:52

Sample wt/vol: 250(mL) | Date Analyzed: 05/13/2024 19:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.40	U	10	0.40
95-95-4	2,4,5-Trichlorophenol	0.80	U	10	0.80
88-06-2	2,4,6-Trichlorophenol	0.80	U	10	0.80
121-14-2	2,4-Dinitrotoluene	1.0	U	10	1.0
95-48-7	2-Methylphenol	0.60	U	10	0.60
15831-10-4	3 & 4 Methylphenol	0.60	U	10	0.60
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.80	U	2.0	0.80
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
98-95-3	Nitrobenzene	0.60	U	1.0	0.60
87-86-5	Pentachlorophenol	1.4	U	30	1.4
110-86-1	Pyridine	1.9	U	10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	111		37-150
321-60-8	2-Fluorobiphenyl	86		46-139
367-12-4	2-Fluorophenol (Surr)	46		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	96		51-145
4165-62-2	Phenol-d5 (Surr)	32		10-56
1718-51-0	Terphenyl-d14 (Surr)	104		13-150

Report Date: 14-May-2024 10:17:12 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85195.D
Lims ID: MB 460-974526/1-A
Client ID:
Sample Type: MB
Inject. Date: 13-May-2024 19:55:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-004
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:11:06 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: C8UP Date: 14-May-2024 10:17:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.508	2.503	0.005	97	312489	10.0	4.55	
$ 6 Phenol-d5	99	3.402	3.403	-0.001	97	259684	10.0	3.16	
* 14 1,4-Dichlorobenzene-d4	152	3.724	3.726	-0.002	93	432705	8.00	8.00	
$ 28 Nitrobenzene-d5	82	4.276	4.280	-0.004	85	677772	10.0	9.61	
* 38 Naphthalene-d8	136	4.966	4.967	-0.001	98	1657795	8.00	8.00	
$ 53 2-Fluorobiphenyl	172	6.019	6.019	0.000	98	1411939	10.0	8.56	
* 64 Acenaphthene-d10	164	6.639	6.640	-0.002	94	897007	8.00	8.00	
$ 79 2,4,6-Tribromophenol	330	7.386	7.388	-0.002	88	336379	10.0	11.1	
* 88 Phenanthrene-d10	188	8.031	8.032	-0.001	98	1722635	8.00	8.00	
$ 97 Terphenyl-d14	244	9.554	9.557	-0.003	97	2076294	10.0	10.4	
* 103 Chrysene-d12	240	10.534	10.539	-0.005	99	1291304	8.00	8.00	
* 110 Perylene-d12	264	12.157	12.160	-0.003	99	1319031	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

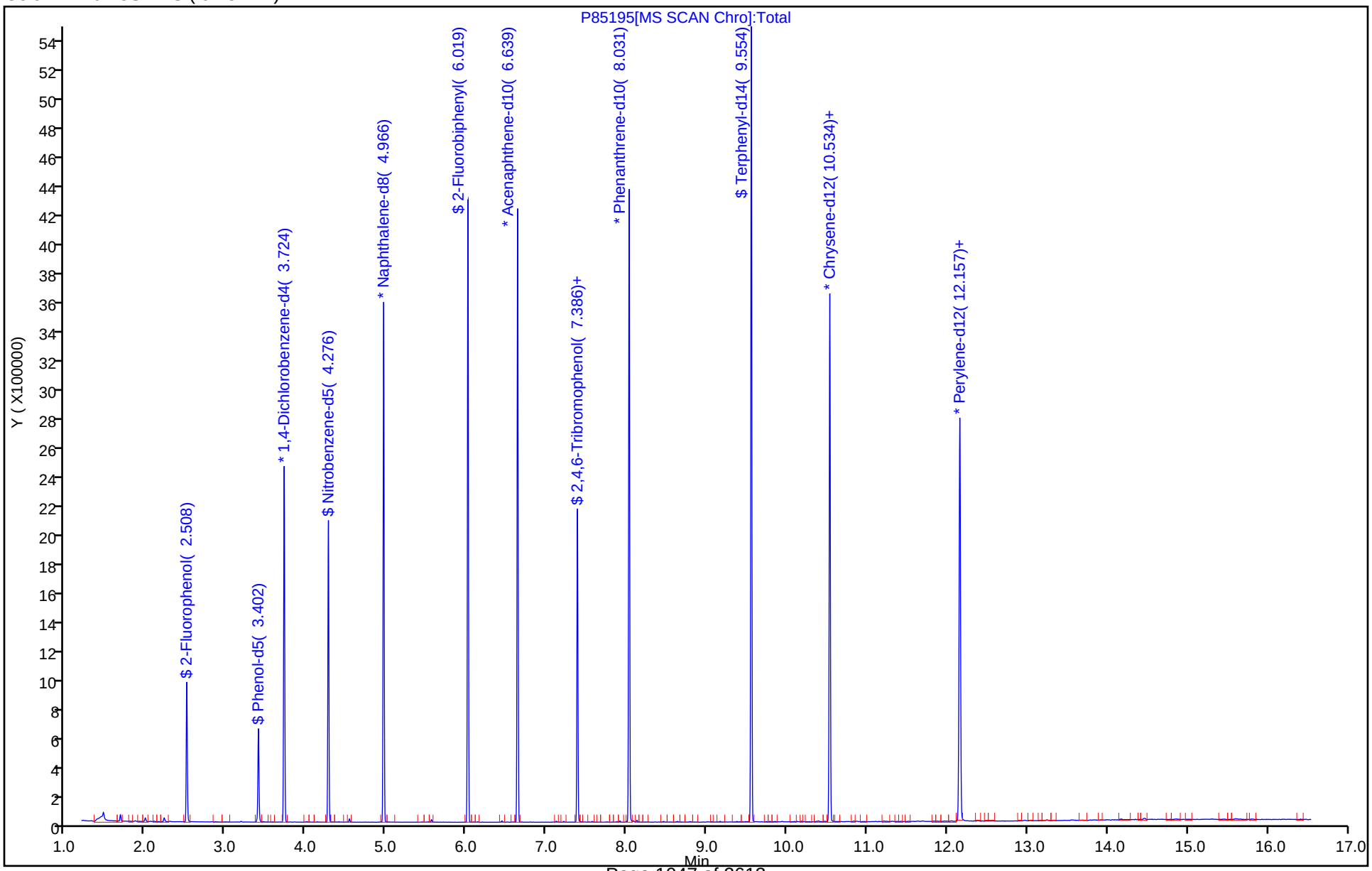
Report Date: 14-May-2024 10:17:12 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85195.D

Injection Date:	13-May-2024 19:55:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	MB 460-974526/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85195.D
Lims ID: MB 460-974526/1-A
Client ID:
Sample Type: MB
Inject. Date: 13-May-2024 19:55:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-004
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:11:06 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: C8UP Date: 14-May-2024 10:17:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.55	45.50
$ 6 Phenol-d5	10.0	3.16	31.61
$ 28 Nitrobenzene-d5	10.0	9.61	96.09
$ 53 2-Fluorobiphenyl	10.0	8.56	85.64
$ 79 2,4,6-Tribromophenol	10.0	11.1	110.55
$ 97 Terphenyl-d14	10.0	10.4	103.91

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 460-974423/1-B

Matrix: Solid (TCLP) | Lab File ID: P85197.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:56

Sample wt/vol: 250(mL) | Date Analyzed: 05/13/2024 20:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.40	U	10	0.40
95-95-4	2,4,5-Trichlorophenol	0.80	U	10	0.80
88-06-2	2,4,6-Trichlorophenol	0.80	U	10	0.80
121-14-2	2,4-Dinitrotoluene	1.0	U	10	1.0
95-48-7	2-Methylphenol	0.60	U	10	0.60
15831-10-4	3 & 4 Methylphenol	0.60	U	10	0.60
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.80	U	2.0	0.80
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
98-95-3	Nitrobenzene	0.60	U	1.0	0.60
87-86-5	Pentachlorophenol	1.4	U	30	1.4
110-86-1	Pyridine	1.9	U	10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	122		37-150
321-60-8	2-Fluorobiphenyl	93		46-139
367-12-4	2-Fluorophenol (Surr)	74		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	99		51-145
4165-62-2	Phenol-d5 (Surr)	55		10-56
1718-51-0	Terphenyl-d14 (Surr)	96		13-150

Report Date: 14-May-2024 10:21:56 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85197.D
Lims ID: LB 460-974423/1-B
Client ID:
Sample Type: LB
Inject. Date: 13-May-2024 20:38:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-006
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:21:55 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: C8UP Date: 14-May-2024 10:21:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.515	2.503	0.012	97	478703	10.0	7.38	
$ 6 Phenol-d5	99	3.405	3.403	0.002	97	430014	10.0	5.54	
* 14 1,4-Dichlorobenzene-d4	152	3.728	3.726	0.002	93	408683	8.00	8.00	
$ 28 Nitrobenzene-d5	82	4.277	4.280	-0.003	83	658007	10.0	9.90	
* 38 Naphthalene-d8	136	4.966	4.967	-0.001	98	1562390	8.00	8.00	
$ 53 2-Fluorobiphenyl	172	6.017	6.019	-0.002	98	1433799	10.0	9.25	
* 64 Acenaphthene-d10	164	6.636	6.640	-0.004	95	843227	8.00	8.00	
$ 79 2,4,6-Tribromophenol	330	7.383	7.388	-0.005	88	347808	10.0	12.2	
* 88 Phenanthrene-d10	188	8.028	8.032	-0.004	98	1628515	8.00	8.00	
$ 97 Terphenyl-d14	244	9.554	9.557	-0.003	97	1828186	10.0	9.63	
* 103 Chrysene-d12	240	10.534	10.539	-0.005	99	1226334	8.00	8.00	
* 110 Perylene-d12	264	12.157	12.160	-0.003	99	1206975	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

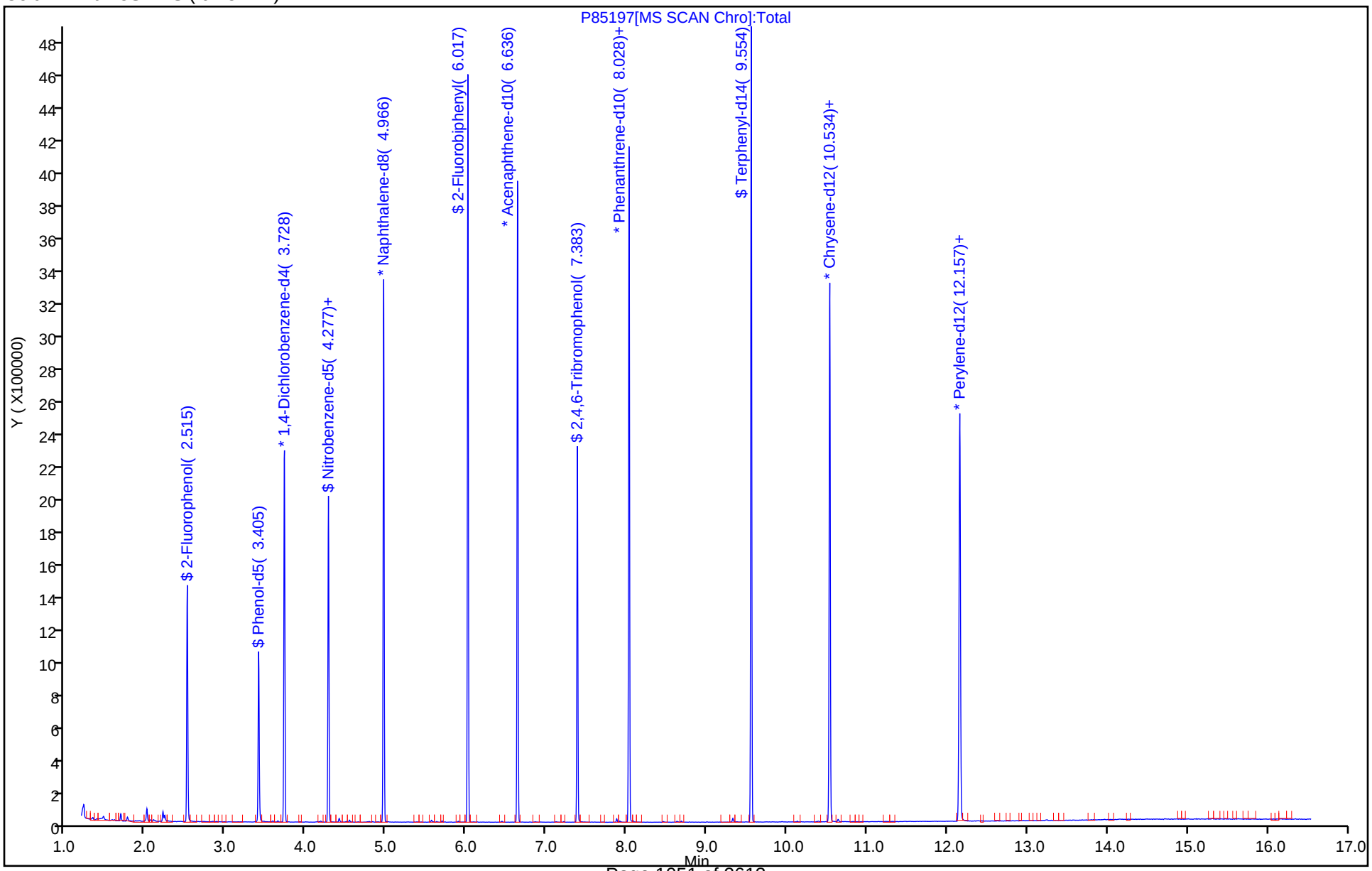
Report Date: 14-May-2024 10:21:56 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85197.D

Injection Date:	13-May-2024 20:38:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	LB 460-974423/1-B			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85197.D
Lims ID: LB 460-974423/1-B
Client ID:
Sample Type: LB
Inject. Date: 13-May-2024 20:38:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-006
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:21:55 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: C8UP Date: 14-May-2024 10:21:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.38	73.80
$ 6 Phenol-d5	10.0	5.54	55.42
$ 28 Nitrobenzene-d5	10.0	9.90	98.99
$ 53 2-Fluorobiphenyl	10.0	9.25	92.51
$ 79 2,4,6-Tribromophenol	10.0	12.2	121.59
$ 97 Terphenyl-d14	10.0	9.63	96.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-974526/2-A

Matrix: Solid | Lab File ID: P85196.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:52

Sample wt/vol: 250(mL) | Date Analyzed: 05/13/2024 20:16

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	41.8		10	0.40
95-95-4	2,4,5-Trichlorophenol	83.5		10	0.80
88-06-2	2,4,6-Trichlorophenol	89.2		10	0.80
121-14-2	2,4-Dinitrotoluene	92.2		10	1.0
95-48-7	2-Methylphenol	56.3		10	0.60
15831-10-4	3 & 4 Methylphenol	51.3		10	0.60
118-74-1	Hexachlorobenzene	92.3		1.0	0.40
87-68-3	Hexachlorobutadiene	34.6		2.0	0.80
67-72-1	Hexachloroethane	34.9		2.0	1.2
98-95-3	Nitrobenzene	81.2		1.0	0.60
87-86-5	Pentachlorophenol	167		30	1.4
110-86-1	Pyridine	45.8		10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	124		37-150
321-60-8	2-Fluorobiphenyl	88		46-139
367-12-4	2-Fluorophenol (Surr)	48		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	98		51-145
4165-62-2	Phenol-d5 (Surr)	32		10-56
1718-51-0	Terphenyl-d14 (Surr)	107		13-150

Report Date: 14-May-2024 10:20:32 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85196.D
Lims ID: LCS 460-974526/2-A
Client ID:
Sample Type: LCS
Inject. Date: 13-May-2024 20:16:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-005
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:11:06 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: DY9Z Date: 13-May-2024 20:59:29

	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	1.304	1.295	0.009	89	117190	10.0	4.66	
	2 N-Nitrosodimethylamine	74	1.496	1.487	0.009	100	175308	10.0	4.46	
	3 Pyridine	79	1.518	1.506	0.012	98	328327	20.0	5.72	
$	4 2-Fluorophenol	112	2.511	2.503	0.008	97	305602	10.0	4.77	
	5 Benzaldehyde	77	3.296	3.292	0.004	95	287530	5.00	5.75	
$	6 Phenol-d5	99	3.408	3.403	0.005	96	246684	10.0	3.22	
	8 Aniline	93	3.411	3.407	0.004	98	528731	10.0	6.35	
	7 Phenol	94	3.421	3.416	0.005	96	300731	10.0	3.61	
	9 Bis(2-chloroethyl)ether	93	3.478	3.477	0.001	99	644385	10.0	10.7	
	10 Benzonitrile	103	3.485	3.483	0.002	96	1243242	NC	NC	
	11 2-Chlorophenol	128	3.526	3.525	0.001	98	594572	10.0	8.97	
	12 n-Decane	43	3.581	3.579	0.002	86	194920	10.0	3.89	
	13 1,3-Dichlorobenzene	146	3.667	3.666	0.001	98	394089	10.0	5.16	
*	14 1,4-Dichlorobenzene-d4	152	3.728	3.726	0.002	93	403811	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.744	3.742	0.002	96	407130	10.0	5.23	
	17 Benzyl alcohol	108	3.884	3.883	0.001	96	278850	10.0	6.65	
	18 1,2-Dichlorobenzene	146	3.890	3.889	0.001	97	402048	10.0	5.31	
	21 2,2'-oxybis[1-chloropropane]	45	4.012	4.011	0.001	92	610463	10.0	9.15	
	20 2-Methylphenol	108	4.015	4.014	0.001	93	412139	10.0	7.03	
	22 N-Methylaniline	106	4.130	4.129	0.001	99	797234	10.0	8.48	
	23 Acetophenone	105	4.137	4.136	0.001	94	927306	10.0	9.60	
	24 N-Nitrosodi-n-propylamine	70	4.146	4.145	0.001	85	437436	10.0	10.5	
	26 4-Methylphenol	108	4.172	4.174	-0.002	98	398483	10.0	6.37	
	25 3 & 4 Methylphenol	108	4.172	4.174	-0.002	61	402450	10.0	6.42	
	27 Hexachloroethane	117	4.217	4.216	0.001	94	117777	10.0	4.36	
$	28 Nitrobenzene-d5	82	4.280	4.280	0.000	82	647894	10.0	9.81	
	29 Nitrobenzene	123	4.300	4.299	0.001	97	343113	10.0	10.1	
	30 n,n'-Dimethylaniline	120	4.303	4.302	0.001	92	861126	10.0	8.15	
	31 Isophorone	82	4.533	4.532	0.001	98	1182218	10.0	10.8	
	32 2-Nitrophenol	139	4.609	4.609	0.000	96	371457	10.0	10.4	
	33 2,4-Dimethylphenol	122	4.683	4.685	-0.002	93	397215	10.0	8.26	
	34 Bis(2-chloroethoxy)methane	93	4.766	4.765	0.001	96	769996	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	4.772	4.804	-0.032	85	95984	10.0	3.06	
36 2,4-Dichlorophenol	162	4.852	4.855	-0.003	97	539104	10.0	9.72	
37 1,2,4-Trichlorobenzene	180	4.919	4.919	0.000	94	315945	10.0	5.17	
* 38 Naphthalene-d8	136	4.967	4.967	0.000	98	1553006	8.00	8.00	
39 Naphthalene	128	4.987	4.986	0.001	99	1305182	10.0	6.48	
40 4-Chloroaniline	127	5.063	5.063	0.000	99	622118	10.0	9.43	
41 2,6-Dichlorophenol	162	5.067	5.066	0.001	98	541273	10.0	9.57	
42 Hexachlorobutadiene	225	5.118	5.120	-0.002	99	153617	10.0	4.33	
44 Caprolactam	113	5.386	5.386	0.000	93	18160	5.00	1.24	
45 4-Chloro-3-methylphenol	107	5.562	5.565	-0.003	93	460175	10.0	8.89	
46 2-Methylnaphthalene	142	5.654	5.657	-0.003	86	834670	10.0	6.08	
47 1-Methylnaphthalene	142	5.747	5.747	0.000	92	776622	10.0	6.08	
48 Hexachlorocyclopentadiene	237	5.811	5.811	0.000	98	123835	10.0	3.13	
49 1,2,4,5-Tetrachlorobenzene	216	5.817	5.821	-0.004	99	380904	10.0	6.09	
50 2-tertbutyl-4-methylphenol	149	5.891	5.891	0.000	94	790931	10.0	10.1	
51 2,4,6-Trichlorophenol	196	5.942	5.942	0.000	94	427912	10.0	11.2	
52 2,4,5-Trichlorophenol	196	5.981	5.981	0.000	98	442980	10.0	10.4	
$ 53 2-Fluorobiphenyl	172	6.019	6.019	0.000	98	1374876	10.0	8.81	
54 1,1'-Biphenyl	154	6.109	6.109	0.000	95	1149989	10.0	6.91	
55 2-Chloronaphthalene	162	6.115	6.118	-0.003	98	867577	10.0	6.78	
56 Phenyl ether	170	6.214	6.214	0.000	82	645742	10.0	7.12	
57 2-Nitroaniline	65	6.233	6.233	0.000	88	295405	10.0	9.51	
58 1,3-Dimethylnaphthalene	156	6.329	6.329	0.000	94	710775	10.0	6.96	
60 Coumarin	146	6.419	6.419	0.000	84	458025	10.0	9.44	
59 Dimethyl phthalate	163	6.425	6.425	0.000	99	1442962	10.0	10.4	
61 2,6-Dinitrotoluene	165	6.473	6.473	0.000	92	331384	10.0	11.4	
62 Acenaphthylene	152	6.502	6.505	-0.003	98	1585030	10.0	8.19	
63 3-Nitroaniline	138	6.627	6.627	0.000	94	289028	10.0	9.38	
* 64 Acenaphthene-d10	164	6.639	6.640	-0.001	94	848821	8.00	8.00	
65 Acenaphthene	154	6.671	6.672	-0.001	95	941660	10.0	7.99	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.694	6.694	0.000	96	799668	10.0	7.92	
67 2,4-Dinitrophenol	184	6.729	6.729	0.000	90	467691	20.0	22.3	
70 Dibenzofuran	168	6.835	6.835	0.000	94	1584086	10.0	8.57	
68 4-Nitrophenol	65	6.831	6.835	-0.004	82	158325	20.0	7.14	
69 2,4-Dinitrotoluene	165	6.851	6.848	0.003	97	448196	10.0	11.5	
71 2,3,4,6-Tetrachlorophenol	232	6.966	6.966	0.000	98	383301	10.0	11.1	
72 Diethyl phthalate	149	7.094	7.094	0.000	98	1374853	10.0	10.0	
73 Fluorene	166	7.158	7.158	0.000	94	1316140	10.0	9.38	
74 4-Chlorophenyl phenyl ether	204	7.174	7.174	0.000	94	649274	10.0	9.61	
75 4-Nitroaniline	138	7.206	7.206	0.000	85	311185	10.0	10.8	
76 4,6-Dinitro-2-methylphenol	198	7.235	7.232	0.003	96	576562	20.0	23.7	
77 N-Nitrosodiphenylamine	169	7.292	7.292	0.000	98	1037130	10.0	10.4	
78 1,2-Diphenylhydrazine	77	7.321	7.321	0.000	96	1124142	10.0	8.44	
131 Azobenzene	77	7.321	7.321	0.000	0	1124142	10.0	8.44	
$ 79 2,4,6-Tribromophenol	330	7.388	7.388	0.000	88	355662	10.0	12.4	
80 4-Bromophenyl phenyl ether	248	7.628	7.631	-0.003	97	438092	10.0	10.6	
82 Hexachlorobenzene	284	7.673	7.673	0.000	92	589776	10.0	11.5	
83 Atrazine	200	7.817	7.817	0.000	96	224221	5.00	6.88	E
84 Pentachlorophenol	266	7.871	7.871	0.000	96	730191	20.0	20.9	
85 Pentachloronitrobenzene	237	7.881	7.881	0.000	94	177852	10.0	9.75	
87 n-Octadecane	57	7.996	7.996	0.000	87	687111	10.0	9.45	
* 88 Phenanthrene-d10	188	8.031	8.032	-0.001	98	1557966	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.054	8.054	0.000	97	1990442	10.0	9.82	
90 Anthracene	178	8.102	8.102	0.000	99	2038171	10.0	10.0	
91 Carbazole	167	8.271	8.271	0.000	95	1840892	10.0	10.5	
92 Di-n-butyl phthalate	149	8.639	8.639	0.000	99	2186510	10.0	11.0	
93 Fluoranthene	202	9.169	9.170	-0.001	98	2094091	10.0	10.8	
94 Benzidine	184	9.322	9.326	-0.004	99	400824	10.0	6.77	
95 Pyrene	202	9.374	9.374	0.000	97	2136575	10.0	10.0	
96 Bisphenol-A	213	9.479	9.480	-0.001	99	235641	5.00	3.77	
$ 97 Terphenyl-d14	244	9.556	9.557	-0.001	97	1860553	10.0	10.7	
98 Butyl benzyl phthalate	149	10.045	10.046	-0.001	94	791327	10.0	10.6	
100 Carbamazepine	193	10.116	10.117	0.000	93	561319	10.0	9.82	
102 Benzo[a]anthracene	228	10.528	10.529	-0.001	99	1920028	10.0	10.7	
101 3,3'-Dichlorobenzidine	252	10.531	10.532	-0.001	98	661938	10.0	9.56	
* 103 Chrysene-d12	240	10.538	10.539	-0.001	99	1119679	8.00	8.00	
104 Chrysene	228	10.563	10.564	-0.001	99	1807733	10.0	10.6	
105 Bis(2-ethylhexyl) phthalate	149	10.640	10.644	-0.004	84	1103975	10.0	10.6	
106 Di-n-octyl phthalate	149	11.366	11.367	-0.001	95	1660584	10.0	9.24	
107 Benzo[b]fluoranthene	252	11.705	11.706	-0.001	99	1784200	10.0	11.2	
108 Benzo[k]fluoranthene	252	11.737	11.738	-0.001	99	1840850	10.0	11.1	
109 Benzo[a]pyrene	252	12.089	12.090	-0.001	98	1605377	10.0	11.4	
* 110 Perylene-d12	264	12.159	12.160	-0.001	99	1157948	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.517	13.519	-0.002	99	1750539	10.0	10.8	
112 Dibenz(a,h)anthracene	278	13.562	13.561	0.001	98	1774169	10.0	10.8	
113 Benzo[g,h,i]perylene	276	13.850	13.849	0.001	98	1636827	10.0	10.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 10:20:32 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85196.D

Injection Date: 13-May-2024 20:16:30 Instrument ID: CBNAMS18 Operator ID:

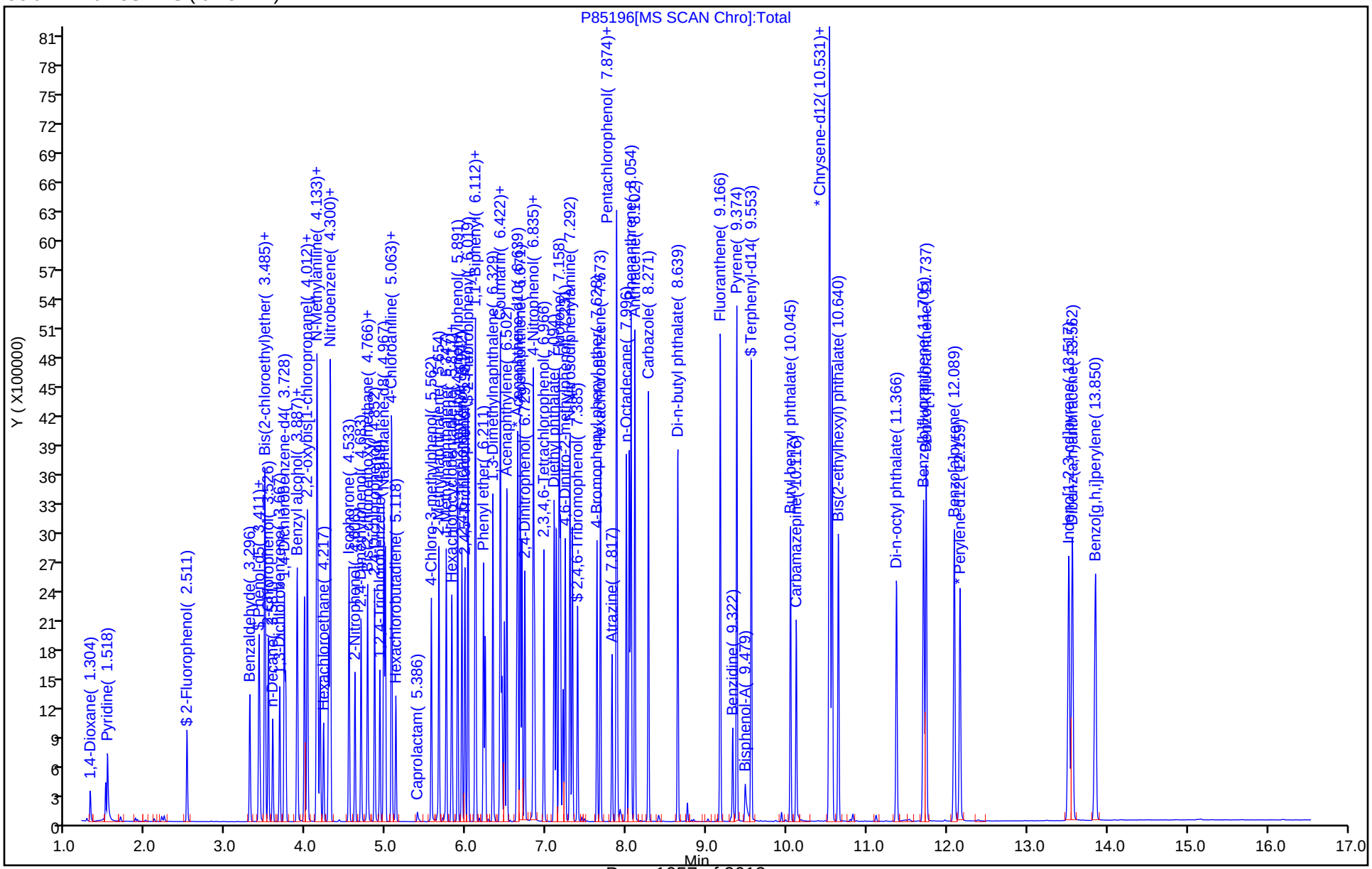
Lims ID: LCS 460-974526/2-A Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 14-May-2024 10:20:32 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85196.D
Lims ID: LCS 460-974526/2-A
Client ID:
Sample Type: LCS
Inject. Date: 13-May-2024 20:16:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-005
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:11:06 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: DY9Z Date: 13-May-2024 20:59:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.77	47.68
$ 6 Phenol-d5	10.0	3.22	32.17
$ 28 Nitrobenzene-d5	10.0	9.81	98.05
$ 53 2-Fluorobiphenyl	10.0	8.81	88.12
$ 79 2,4,6-Tribromophenol	10.0	12.4	123.52
$ 97 Terphenyl-d14	10.0	10.7	107.39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-974526/3-A

Matrix: Solid | Lab File ID: P85198.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 05/13/2024 09:52

Sample wt/vol: 250(mL) | Date Analyzed: 05/13/2024 21:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 974604 | Units: ug/L

Preparation Batch No.: 974526 | Instrument ID: CBNAMS18

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	40.5		10	0.40
95-95-4	2,4,5-Trichlorophenol	84.3		10	0.80
88-06-2	2,4,6-Trichlorophenol	88.3		10	0.80
121-14-2	2,4-Dinitrotoluene	92.5		10	1.0
95-48-7	2-Methylphenol	56.3		10	0.60
15831-10-4	3 & 4 Methylphenol	50.6		10	0.60
118-74-1	Hexachlorobenzene	93.2		1.0	0.40
87-68-3	Hexachlorobutadiene	33.4		2.0	0.80
67-72-1	Hexachloroethane	34.1		2.0	1.2
98-95-3	Nitrobenzene	80.1		1.0	0.60
87-86-5	Pentachlorophenol	168		30	1.4
110-86-1	Pyridine	43.9		10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	123		37-150
321-60-8	2-Fluorobiphenyl	89		46-139
367-12-4	2-Fluorophenol (Surr)	47		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	95		51-145
4165-62-2	Phenol-d5 (Surr)	32		10-56
1718-51-0	Terphenyl-d14 (Surr)	107		13-150

Report Date: 14-May-2024 10:28:38 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85198.D
Lims ID: LCSD 460-974526/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 13-May-2024 21:01:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-007
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:21:55 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: DY9Z Date: 13-May-2024 22:20:13

	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	1.295	1.295	0.000	90	107091	10.0	4.49	
	2 N-Nitrosodimethylamine	74	1.490	1.487	0.003	99	167270	10.0	4.49	
	3 Pyridine	79	1.512	1.506	0.006	98	298399	20.0	5.49	
$	4 2-Fluorophenol	112	2.505	2.503	0.002	97	286921	10.0	4.72	
	5 Benzaldehyde	77	3.290	3.292	-0.002	95	265751	5.00	5.61	
$	6 Phenol-d5	99	3.402	3.403	-0.001	96	235568	10.0	3.24	
	8 Aniline	93	3.408	3.408	0.001	98	494725	10.0	6.27	
	7 Phenol	94	3.415	3.416	-0.001	96	281343	10.0	3.56	
	9 Bis(2-chloroethyl)ether	93	3.475	3.478	-0.002	99	606348	10.0	10.6	
	10 Benzonitrile	103	3.482	3.485	-0.001	96	1146526	NC	NC	
	11 2-Chlorophenol	128	3.523	3.526	-0.002	98	558735	10.0	8.89	
	12 n-Decane	43	3.578	3.579	-0.001	86	175756	10.0	3.70	
	13 1,3-Dichlorobenzene	146	3.667	3.667	0.001	97	357609	10.0	4.94	
*	14 1,4-Dichlorobenzene-d4	152	3.725	3.726	-0.002	93	382874	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.741	3.744	-0.001	96	373683	10.0	5.06	
	17 Benzyl alcohol	108	3.881	3.884	-0.002	97	260501	10.0	6.56	
	18 1,2-Dichlorobenzene	146	3.887	3.891	-0.002	97	372712	10.0	5.19	
	21 2,2'-oxybis[1-chloropropane]	45	4.009	4.011	-0.002	94	577257	10.0	9.12	
	20 2-Methylphenol	108	4.015	4.015	0.001	93	391246	10.0	7.04	
	22 N-Methylaniline	106	4.127	4.129	-0.002	98	745809	10.0	8.37	
	23 Acetophenone	105	4.133	4.136	-0.003	94	870327	10.0	9.50	
	24 N-Nitrosodi-n-propylamine	70	4.143	4.147	-0.002	85	412607	10.0	10.5	
	26 4-Methylphenol	108	4.172	4.175	-0.002	98	374172	10.0	6.31	
	25 3 & 4 Methylphenol	108	4.172	4.175	-0.002	61	375957	10.0	6.32	
	27 Hexachloroethane	117	4.213	4.217	-0.003	95	109037	10.0	4.26	
$	28 Nitrobenzene-d5	82	4.277	4.280	-0.003	82	599026	10.0	9.54	
	29 Nitrobenzene	123	4.297	4.299	-0.002	97	321105	10.0	10.0	
	30 n,n'-Dimethylaniline	120	4.300	4.303	-0.002	97	816350	10.0	8.15	
	31 Isophorone	82	4.533	4.532	0.001	97	1087916	10.0	10.4	
	32 2-Nitrophenol	139	4.606	4.608	-0.003	96	345855	10.0	10.2	
	33 2,4-Dimethylphenol	122	4.683	4.685	-0.002	93	373563	10.0	8.18	
	34 Bis(2-chloroethoxy)methane	93	4.763	4.765	-0.002	96	732424	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	4.773	4.804	-0.031	85	89502	10.0	3.01	
36 2,4-Dichlorophenol	162	4.852	4.854	-0.003	97	506824	10.0	9.61	
37 1,2,4-Trichlorobenzene	180	4.920	4.918	0.001	94	295283	10.0	5.09	
* 38 Naphthalene-d8	136	4.968	4.967	0.001	98	1475698	8.00	8.00	
39 Naphthalene	128	4.987	4.986	0.001	99	1209326	10.0	6.32	
40 4-Chloroaniline	127	5.063	5.062	0.000	98	582001	10.0	9.28	
41 2,6-Dichlorophenol	162	5.067	5.066	0.001	97	512806	10.0	9.54	
42 Hexachlorobutadiene	225	5.118	5.120	-0.002	99	140915	10.0	4.18	
44 Caprolactam	113	5.386	5.385	0.000	95	17362	5.00	1.25	
45 4-Chloro-3-methylphenol	107	5.562	5.564	-0.003	92	426874	10.0	8.67	
46 2-Methylnaphthalene	142	5.655	5.657	-0.003	86	775531	10.0	5.95	
47 1-Methylnaphthalene	142	5.747	5.746	0.000	92	733633	10.0	6.04	
48 Hexachlorocyclopentadiene	237	5.811	5.808	0.000	98	114119	10.0	3.10	
49 1,2,4,5-Tetrachlorobenzene	216	5.818	5.817	-0.003	99	360388	10.0	6.18	
50 2-tertbutyl-4-methylphenol	149	5.891	5.890	0.000	93	740304	10.0	9.97	
51 2,4,6-Trichlorophenol	196	5.942	5.939	0.000	94	394711	10.0	11.0	
52 2,4,5-Trichlorophenol	196	5.981	5.977	0.000	99	416796	10.0	10.5	
$ 53 2-Fluorobiphenyl	172	6.019	6.019	0.000	98	1288224	10.0	8.86	
54 1,1'-Biphenyl	154	6.109	6.109	0.000	95	1073344	10.0	6.92	
55 2-Chloronaphthalene	162	6.115	6.115	-0.003	99	812362	10.0	6.81	
56 Phenyl ether	170	6.211	6.211	-0.003	82	601285	10.0	7.12	
57 2-Nitroaniline	65	6.233	6.230	0.000	97	273718	10.0	9.46	
58 1,3-Dimethylnaphthalene	156	6.329	6.326	0.000	94	668072	10.0	7.02	
60 Coumarin	146	6.419	6.418	0.000	84	432667	10.0	9.39	
59 Dimethyl phthalate	163	6.425	6.422	0.000	99	1366289	10.0	10.6	
61 2,6-Dinitrotoluene	165	6.473	6.470	0.000	91	312924	10.0	11.5	
62 Acenaphthylene	152	6.505	6.502	0.000	98	1476496	10.0	8.18	
63 3-Nitroaniline	138	6.627	6.627	0.000	94	273956	10.0	9.54	
* 64 Acenaphthene-d10	164	6.639	6.640	-0.001	95	791152	8.00	8.00	
65 Acenaphthene	154	6.668	6.672	-0.004	95	891629	10.0	8.12	
66 3,5-di-tert-butyl-4-hydroxytol	205	6.694	6.694	0.000	96	744605	10.0	7.92	
67 2,4-Dinitrophenol	184	6.729	6.726	0.000	90	434427	20.0	22.2	
70 Dibenzofuran	168	6.835	6.835	0.000	95	1479535	10.0	8.59	
68 4-Nitrophenol	65	6.832	6.831	-0.003	87	146017	20.0	7.06	
69 2,4-Dinitrotoluene	165	6.851	6.844	0.003	97	419226	10.0	11.6	
71 2,3,4,6-Tetrachlorophenol	232	6.966	6.962	0.000	98	360411	10.0	11.2	
72 Diethyl phthalate	149	7.094	7.094	0.000	99	1286263	10.0	10.0	
73 Fluorene	166	7.158	7.154	0.000	94	1230957	10.0	9.41	
74 4-Chlorophenyl phenyl ether	204	7.174	7.170	0.000	94	602427	10.0	9.57	
75 4-Nitroaniline	138	7.206	7.202	0.000	86	300940	10.0	11.2	
76 4,6-Dinitro-2-methylphenol	198	7.231	7.228	-0.001	96	545976	20.0	24.3	
77 N-Nitrosodiphenylamine	169	7.292	7.292	0.000	98	963718	10.0	10.4	
78 1,2-Diphenylhydrazine	77	7.321	7.321	0.000	96	1051624	10.0	8.55	
131 Azobenzene	77	7.321	7.321	0.000	0	1051576	10.0	8.55	
$ 79 2,4,6-Tribromophenol	330	7.388	7.388	0.000	88	329926	10.0	12.3	
80 4-Bromophenyl phenyl ether	248	7.628	7.628	-0.003	97	410564	10.0	10.8	
82 Hexachlorobenzene	284	7.673	7.670	0.000	93	550410	10.0	11.6	
83 Atrazine	200	7.817	7.813	0.000	96	211041	5.00	7.01	E
84 Pentachlorophenol	266	7.871	7.868	0.000	96	676201	20.0	21.0	
85 Pentachloronitrobenzene	237	7.881	7.877	0.000	93	164763	10.0	9.78	
87 n-Octadecane	57	7.996	7.996	0.000	87	648301	10.0	9.65	
* 88 Phenanthrene-d10	188	8.031	8.032	-0.001	98	1439678	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.054	8.054	0.000	97	1863464	10.0	9.95	
90 Anthracene	178	8.102	8.102	0.000	99	1910100	10.0	10.1	
91 Carbazole	167	8.271	8.268	0.000	96	1728645	10.0	10.6	
92 Di-n-butyl phthalate	149	8.639	8.639	0.000	99	2044640	10.0	11.2	
93 Fluoranthene	202	9.169	9.170	-0.001	98	1948323	10.0	10.9	
94 Benzidine	184	9.322	9.326	-0.004	99	403637	10.0	7.38	
95 Pyrene	202	9.374	9.374	0.000	97	2004939	10.0	9.98	
96 Bisphenol-A	213	9.479	9.480	-0.001	99	219330	5.00	3.72	
$ 97 Terphenyl-d14	244	9.556	9.557	-0.001	97	1750403	10.0	10.7	
98 Butyl benzyl phthalate	149	10.045	10.042	-0.001	93	754747	10.0	10.7	
100 Carbamazepine	193	10.116	10.117	0.000	93	539471	10.0	10.0	
102 Benzo[a]anthracene	228	10.528	10.529	-0.001	99	1801480	10.0	10.7	
101 3,3'-Dichlorobenzidine	252	10.531	10.532	-0.001	98	629667	10.0	9.66	
* 103 Chrysene-d12	240	10.538	10.539	-0.001	99	1054104	8.00	8.00	
104 Chrysene	228	10.563	10.564	-0.001	99	1691979	10.0	10.5	
105 Bis(2-ethylhexyl) phthalate	149	10.643	10.644	-0.001	84	1038547	10.0	10.6	
106 Di-n-octyl phthalate	149	11.366	11.367	-0.001	95	1568374	10.0	9.28	
107 Benzo[b]fluoranthene	252	11.705	11.703	-0.001	99	1687924	10.0	11.3	
108 Benzo[k]fluoranthene	252	11.737	11.735	-0.001	99	1727198	10.0	11.1	
109 Benzo[a]pyrene	252	12.088	12.090	-0.002	98	1510313	10.0	11.4	
* 110 Perylene-d12	264	12.159	12.160	-0.001	99	1089032	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	13.517	13.515	-0.002	99	1643937	10.0	10.8	
112 Dibenz(a,h)anthracene	278	13.562	13.557	0.001	99	1671464	10.0	10.8	
113 Benzo[g,h,i]perylene	276	13.850	13.845	0.001	98	1557374	10.0	10.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 10:28:38 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85198.D

Injection Date: 13-May-2024 21:01:30 Instrument ID: CBNAMS18 Operator ID:

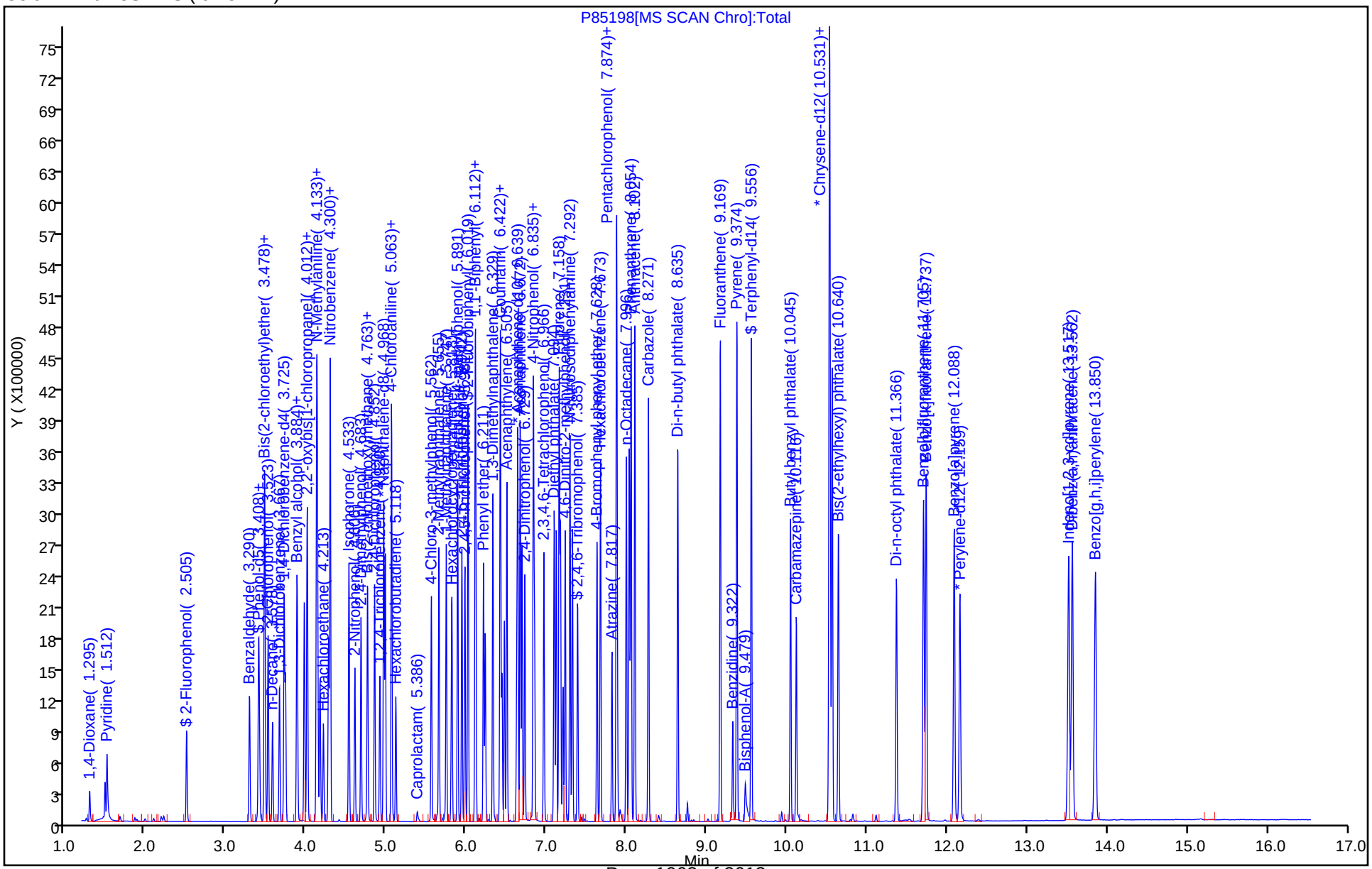
Lims ID: LCSD 460-974526/3-A Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\P85198.D
Lims ID: LCSD 460-974526/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 13-May-2024 21:01:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175824-007
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240513-175824.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 14-May-2024 10:21:55 Calib Date: 17-Apr-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240417-174798.b\P84794.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: DY9Z Date: 13-May-2024 22:20:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.72	47.22
$ 6 Phenol-d5	10.0	3.24	32.40
$ 28 Nitrobenzene-d5	10.0	9.54	95.41
$ 53 2-Fluorobiphenyl	10.0	8.86	88.59
$ 79 2,4,6-Tribromophenol	10.0	12.3	122.93
$ 97 Terphenyl-d14	10.0	10.7	107.31

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 04/17/2024 11:39

Analysis Batch Number: 969996 End Date: 04/17/2024 19:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-969996/1		04/17/2024 11:39	1	P84775.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-969996/3 IC		04/17/2024 12:39	1	P84778.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-969996/4 IC		04/17/2024 13:21	1	P84780.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-969996/5 IC		04/17/2024 14:04	1	P84782.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-969996/6 IC		04/17/2024 14:46	1	P84784.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-969996/7 IC		04/17/2024 15:28	1	P84786.D	Rtxi-5Sil MS 0.25(mm)
STD04 460-969996/8 IC		04/17/2024 16:11	1	P84788.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-969996/9 IC		04/17/2024 16:53	1	P84790.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-969996/10 IC		04/17/2024 17:35	1	P84792.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-969996/11		04/17/2024 18:18	1	P84794.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-969996/13		04/17/2024 19:42	1	P84798.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 05/13/2024 18:56

Analysis Batch Number: 974604 End Date: 05/14/2024 04:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-974604/2		05/13/2024 18:56	1	P85193.D	Rtxi-5Sil MS 0.25(mm)
MB 460-974526/1-A		05/13/2024 19:55	1	P85195.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-974526/2-A		05/13/2024 20:16	1	P85196.D	Rtxi-5Sil MS 0.25(mm)
LB 460-974423/1-B		05/13/2024 20:38	1	P85197.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-974526/3-A		05/13/2024 21:01	1	P85198.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/13/2024 21:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/13/2024 22:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/13/2024 22:51	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/13/2024 23:33	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/13/2024 23:54	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/14/2024 00:15	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/14/2024 00:37	1		Rtxi-5Sil MS 0.25(mm)
460-303610-1	PL-C-4W-20240508-0.75-3.2	05/14/2024 00:58	1	P85207.D	Rtxi-5Sil MS 0.25(mm)
460-303610-2	PL-C-1W-20240508-0.75-4.1	05/14/2024 01:19	1	P85208.D	Rtxi-5Sil MS 0.25(mm)
460-303610-3	PL-C-5W-20240508-0.75-7.8	05/14/2024 01:40	1	P85209.D	Rtxi-5Sil MS 0.25(mm)
460-303610-4	PL-C-2W-20240508-1.7-7.4	05/14/2024 02:01	1	P85210.D	Rtxi-5Sil MS 0.25(mm)
460-303610-5	PL-C-3W-20240508-0.85-3.2	05/14/2024 02:22	1	P85211.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/14/2024 02:44	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/14/2024 03:05	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/14/2024 03:26	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/14/2024 03:47	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		05/14/2024 04:08	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 969996 Batch Start Date: 04/17/24 11:39 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SMDFTP_CH 00036	SV_BNAL1_LVI 00006	SV_BNAL2_LVI 00006	SV_BNAL3_LVI 00008	SV_BNAL4_LVI 00008
DFTPP 460-969996/1		8270E			1 mL	1 mL				
STD24 460-969996/3 IC		8270E			1 mL					
STD16 460-969996/4 IC		8270E			1 mL					
STD4 460-969996/5 IC		8270E			1 mL					
STD2 460-969996/6 IC		8270E			1 mL					
STD1 460-969996/7 IC		8270E			1 mL					1 mL
STD04 460-969996/8 IC		8270E			1 mL				1 mL	
STD02 460-969996/9 IC		8270E			1 mL			1 mL		
STD01 460-969996/10 IC		8270E			1 mL		1 mL			
ICIS 460-969996/11		8270E			1 mL					
ICV 460-969996/13		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNAL5_LVI 00008	SV_BNAL6_LVI 00009	SV_BNAL7_LVI 00009	SV_BNAL8_LVI 00008	SV_BNAL9_LVI 00007	SV_ICV_ LVI 00010
DFTPP 460-969996/1		8270E								
STD24 460-969996/3 IC		8270E							1 mL	
STD16 460-969996/4 IC		8270E						1 mL		
STD4 460-969996/5 IC		8270E				1 mL				
STD2 460-969996/6 IC		8270E			1 mL					
STD1 460-969996/7 IC		8270E								
STD04 460-969996/8 IC		8270E								
STD02 460-969996/9 IC		8270E								

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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 969996 Batch Start Date: 04/17/24 11:39 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNAL5_LVI 00008	SV_BNAL6_LVI 00009	SV_BNAL7_LVI 00009	SV_BNAL8_LVI 00008	SV_BNAL9_LVI 00007	SV_ICV_ LVI 00010
STD01 460-969996/10 IC		8270E								
ICIS 460-969996/11		8270E					1 mL			
ICV 460-969996/13		8270E								1 mL

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VesselNumber	EFD_InitialpH	SampTemppH1	FiltCompDate
LB 460-974423/1		1311, 3510C, 8270E			100.00 g	2000 mL	12	4.95 SU		05/13/2024
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 3510C, 8270E	Solid	P	100.11 g	2000 mL	1	7.17 SU	1.67 Degrees C	05/13/2024
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 3510C, 8270E	Solid	P	100.06 g	2000 mL	2	8.34 SU	1.66 Degrees C	05/13/2024
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 3510C, 8270E	Solid	P	100.09 g	2000 mL	3	6.61 SU	1.61 Degrees C	05/13/2024
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 3510C, 8270E	Solid	P	100.03 g	2000 mL	4	8.28 SU	1370 Degrees C	05/13/2024
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 3510C, 8270E	Solid	P	100.08 g	2000 mL	5	7.05 SU	1.66 Degrees C	05/13/2024

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
LB 460-974423/1		1311, 3510C, 8270E			08:00	4.97 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 3510C, 8270E	Solid	P	08:55	5.65 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 3510C, 8270E	Solid	P	09:00	5.08 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 3510C, 8270E	Solid	P	09:05	5.00 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 3510C, 8270E	Solid	P	09:10	6.24 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 3510C, 8270E	Solid	P	09:15	5.05 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

Batch Notes	
Tumbler Rotations per Minute	29
Balance ID	13
Balance is Level? (Y/N)	Y
pH Meter ID	K
Room Temperature Thermometer ID	Ambient ID S72864 Temp 24.0c
TCLP Fluid 1 ID	TF1050324 Prep: 05/03/24 Exp: 11/03/24
TCLP Fluid 1 pH	4.92 SU
1N HCl ID	TCLP 3260 Prep: 04/25/24 Exp: 10/25/24
Filter ID	Env Express / 400224-3264 D
Uncorrected Maximum Temperature	25.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	24.1 Degrees C
Minimum Temperature	23.1 Degrees C
Room Temperature during Rotation	24.0 Degrees C

Basis	Basis Description
P	TCLP

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 Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974526 Batch Start Date: 05/13/24 09:52 Batch Analyst: Shukla, Sameer X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00020
MB 460-974526/1		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-974526/2		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LCSD 460-974526/3		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LB 460-974423/1-A		3510C, 8270E			250 mL	2 mL	5 SU	<2 SU	>12 SU	
460-303610-E-1-C	PL-C-4W-20240508-0.75-3.2	3510C, 8270E	Solid	P	250 mL	2 mL	6 SU	<2 SU	>12 SU	
460-303610-E-2-B	PL-C-1W-20240508-0.75-4.1	3510C, 8270E	Solid	P	250 mL	2 mL	5 SU	<2 SU	>12 SU	
460-303610-E-3-B	PL-C-5W-20240508-0.75-7.8	3510C, 8270E	Solid	P	250 mL	2 mL	5 SU	<2 SU	>12 SU	
460-303610-E-4-B	PL-C-2W-20240508-1.7-7.4	3510C, 8270E	Solid	P	250 mL	2 mL	6 SU	<2 SU	>12 SU	
460-303610-E-5-B	PL-C-3W-20240508-0.85-3.2	3510C, 8270E	Solid	P	250 mL	2 mL	5 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	OP_BNA SPIK 00051	OP_BNASurroga 00029				
MB 460-974526/1		3510C, 8270E				200 uL				
LCS 460-974526/2		3510C, 8270E			200 uL	200 uL				
LCSD 460-974526/3		3510C, 8270E			200 uL	200 uL				
LB 460-974423/1-A		3510C, 8270E				200 uL				
460-303610-E-1-C	PL-C-4W-20240508-0.75-3.2	3510C, 8270E	Solid	P		200 uL				
460-303610-E-2-B	PL-C-1W-20240508-0.75-4.1	3510C, 8270E	Solid	P		200 uL				
460-303610-E-3-B	PL-C-5W-20240508-0.75-7.8	3510C, 8270E	Solid	P		200 uL				
460-303610-E-4-B	PL-C-2W-20240508-1.7-7.4	3510C, 8270E	Solid	P		200 uL				
460-303610-E-5-B	PL-C-3W-20240508-0.85-3.2	3510C, 8270E	Solid	P		200 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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974526 Batch Start Date: 05/13/24 09:52 Batch Analyst: Shukla, Sameer X

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C_LVI / 8270E
pH Indicator ID	10BDH5021
Analyst ID - Extraction	SS
Analyst ID - Spike Analyst	SS
Analyst ID - Spike Witness Analyst	OS
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	231050
Base Used to Adjust pH ID	23D0456203
Prep Solvent ID	Dichloromethane: 562007
Na2SO4 ID	461008
Analyst ID - Concentration	SS
Equipment ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Vial Lot Number	21116173
Batch Comment	BNA Water

Basis	Basis Description
P	TCLP

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.

8081B

Organochlorine Pesticides by Gas Chromatography

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
PL-C-4W-20240508-0.75-3.2	460-303610-1	72	72	89	83
PL-C-1W-20240508-0.75-4.1	460-303610-2	79	70	104	77
PL-C-5W-20240508-0.75-7.8	460-303610-3	78	77	97	87
PL-C-2W-20240508-1.7-7.4	460-303610-4	77	71	95	80
PL-C-3W-20240508-0.85-3.2	460-303610-5	78	78	98	96
	MB 460-974528/1-A	86	90	82	86
	LB 460-974423/1-C	87	88	83	85
	LCS 460-974528/2-A	92	80	80	80
	LCSD 460-974528/3-A	99	89	82	86

	QC LIMITS
TCX = Tetrachloro-m-xylene	10-150
DCBP = DCB Decachlorobiphenyl	10-131

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12F0061049.D

Lab ID: LCS 460-974528/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Endrin	0.800	0.764	96	71-122	
Endrin	0.800	0.733	92	71-122	
gamma-BHC (Lindane)	0.800	0.819	102	76-123	
gamma-BHC (Lindane)	0.800	0.813	102	76-123	
Heptachlor	0.800	0.824	103	74-127	
Heptachlor	0.800	0.762	95	74-127	
Heptachlor epoxide	0.800	0.832	104	74-128	
Heptachlor epoxide	0.800	0.792	99	74-128	
Methoxychlor	0.800	0.762	95	56-147	
Methoxychlor	0.800	0.689	86	56-147	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12F0061052.D

Lab ID: LCSD 460-974528/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Endrin	0.800	0.829	104	8	30	71-122	
Endrin	0.800	0.789	99	7	30	71-122	
gamma-BHC (Lindane)	0.800	0.909	114	10	30	76-123	
gamma-BHC (Lindane)	0.800	0.884	110	8	30	76-123	
Heptachlor	0.800	0.892	112	8	30	74-127	
Heptachlor	0.800	0.823	103	8	30	74-127	
Heptachlor epoxide	0.800	0.903	113	8	30	74-128	
Heptachlor epoxide	0.800	0.858	107	8	30	74-128	
Methoxychlor	0.800	0.809	101	6	30	56-147	
Methoxychlor	0.800	0.730	91	6	30	56-147	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: MB 460-974528/1-A

Matrix: Water Date Extracted: 05/13/2024 10:43

Lab File ID:(1) 12F0061051.D Lab File ID:(2) 12F0061051.D

Date Analyzed:(1) 05/14/2024 03:42 Date Analyzed:(2) 05/14/2024 03:42

Instrument ID:(1) CPESTGC12 Instrument ID:(2) CPESTGC12

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-974528/2-A	05/14/2024 03:17	05/14/2024 03:17
	LCSD 460-974528/3-A	05/14/2024 03:54	05/14/2024 03:54
	LB 460-974423/1-C	05/14/2024 04:06	05/14/2024 04:06
PL-C-4W-20240508-0.75-3.2	460-303610-1	05/14/2024 04:31	05/14/2024 04:31
PL-C-1W-20240508-0.75-4.1	460-303610-2	05/14/2024 04:43	05/14/2024 04:43
PL-C-5W-20240508-0.75-7.8	460-303610-3	05/14/2024 04:56	05/14/2024 04:56
PL-C-2W-20240508-1.7-7.4	460-303610-4	05/14/2024 05:08	05/14/2024 05:08
PL-C-3W-20240508-0.85-3.2	460-303610-5	05/14/2024 05:20	05/14/2024 05:20

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: IC 460-967880/8 Date Analyzed: 04/05/2024 09:40

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 12F0059959.D Heated Purge: (Y/N) N

Calibration ID: 96542

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		205445755	1.47				
UPPER LIMIT		410891510	1.54				
LOWER LIMIT		102722878	1.40				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-967880/9		190620801	1.46				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: IC 460-967880/8 Date Analyzed: 04/05/2024 09:40

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 12F0059959.D Heated Purge: (Y/N) N

Calibration ID: 96543

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		475314458	1.44				
UPPER LIMIT		950628916	1.51				
LOWER LIMIT		237657229	1.37				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-967880/9		408771764	1.44				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: IC 460-967880/12 Date Analyzed: 04/05/2024 10:29

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 12F0059963.D Heated Purge: (Y/N) N

Calibration ID: 96530

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		208970389	1.46				
UPPER LIMIT		417940778	1.53				
LOWER LIMIT		104485195	1.39				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-967880/15		255260280	1.47				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: IC 460-967880/12 Date Analyzed: 04/05/2024 10:29

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 12F0059963.D Heated Purge: (Y/N) N

Calibration ID: 96531

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		440760686	1.44				
UPPER LIMIT		881521372	1.51				
LOWER LIMIT		220380343	1.37				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-967880/15		502785165	1.44				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: IC 460-967880/18 Date Analyzed: 04/05/2024 11:43

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 12F0059969.D Heated Purge: (Y/N) N

Calibration ID: 96536

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		224150172	1.47				
UPPER LIMIT		448300344	1.54				
LOWER LIMIT		112075086	1.40				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-967880/21		285290607	1.47				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: IC 460-967880/18 Date Analyzed: 04/05/2024 11:43

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 12F0059969.D Heated Purge: (Y/N) N

Calibration ID: 96537

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		369541900	1.44				
UPPER LIMIT		739083800	1.51				
LOWER LIMIT		184770950	1.37				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-967880/21		541903719	1.44				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: CCVIS 460-974654/3 Date Analyzed: 05/14/2024 02:40

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 12F0061046.D Heated Purge: (Y/N) N

Calibration ID: 96536

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		187624349	1.46				
UPPER LIMIT		375248698	1.53				
LOWER LIMIT		93812175	1.39				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-974654/4		344133433	1.46				
CCV 460-974654/5		322269647	1.46				
LCS 460-974528/2-A		216816354	1.46				
MB 460-974528/1-A		220466024	1.46				
LCSD 460-974528/3-A		192027760	1.46				
LB 460-974423/1-C		233519797	1.46				
460-303610-1	PL-C-4W-20240508-0.75-3.2	185889618	1.46				
460-303610-2	PL-C-1W-20240508-0.75-4.1	182751264	1.46				
460-303610-3	PL-C-5W-20240508-0.75-7.8	194777648	1.46				
460-303610-4	PL-C-2W-20240508-1.7-7.4	190327850	1.46				
460-303610-5	PL-C-3W-20240508-0.85-3.2	190398432	1.46				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: CCVIS 460-974654/3 Date Analyzed: 05/14/2024 02:40

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 12F0061046.D Heated Purge: (Y/N) N

Calibration ID: 96537

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		352101581	1.44				
UPPER LIMIT		704203162	1.51				
LOWER LIMIT		176050791	1.37				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-974654/4		606314783	1.44				
CCV 460-974654/5		466349062	1.44				
LCS 460-974528/2-A		407781610	1.44				
MB 460-974528/1-A		422906037	1.44				
LCSD 460-974528/3-A		367378692	1.44				
LB 460-974423/1-C		435735416	1.43				
460-303610-1	PL-C-4W-20240508-0.75-3.2	313586158	1.43				
460-303610-2	PL-C-1W-20240508-0.75-4.1	243430513	1.43				
460-303610-3	PL-C-5W-20240508-0.75-7.8	325070162	1.43				
460-303610-4	PL-C-2W-20240508-1.7-7.4	274767631	1.43				
460-303610-5	PL-C-3W-20240508-0.85-3.2	291018823	1.43				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-974528/2-A

Instrument ID (1): CPESTGC12 Instrument ID (2): CPESTGC12

Date Analyzed (1): 05/14/2024 03:17 Date Analyzed (2): 05/14/2024 03:17

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		2.30	2.29	2.31	0.813		0.7
	2		2.59	2.58	2.60	0.819		
Heptachlor	1		2.63	2.62	2.64	0.762		7.9
	2		2.98	2.97	2.99	0.824		
Heptachlor epoxide	1		3.43	3.42	3.44	0.792		5.0
	2		3.97	3.96	3.98	0.832		
Endrin	1		4.36	4.35	4.37	0.733		4.2
	2		5.09	5.08	5.10	0.764		
Methoxychlor	1		5.29	5.28	5.30	0.689		10.0
	2		6.52	6.51	6.53	0.762		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-974528/3-A

Instrument ID (1): CPESTGC12 Instrument ID (2): CPESTGC12

Date Analyzed (1): 05/14/2024 03:54 Date Analyzed (2): 05/14/2024 03:54

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		2.30	2.29	2.31	0.884		2.9
	2		2.59	2.58	2.60	0.909		
Heptachlor	1		2.63	2.62	2.64	0.823		8.1
	2		2.98	2.97	2.99	0.892		
Heptachlor epoxide	1		3.43	3.42	3.44	0.858		5.1
	2		3.97	3.96	3.98	0.903		
Endrin	1		4.36	4.35	4.37	0.789		5.1
	2		5.09	5.08	5.10	0.829		
Methoxychlor	1		5.29	5.28	5.30	0.730		10.3
	2		6.52	6.51	6.53	0.809		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-4W-20240508-0.75-3.2 Lab Sample ID: 460-303610-1

Matrix: Solid (TCLP) Lab File ID: 12F0061055.D

Analysis Method: 8081B Date Collected: 05/08/2024 13:05

Extraction Method: 3510C Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) Date Analyzed: 05/14/2024 04:31

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 Units: ug/L

Preparation Batch No.: 974528 Instrument ID: PESTGC12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	83		10-131
877-09-8	Tetrachloro-m-xylene	72		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D
Lims ID: 460-303610-E-1-E
Client ID: PL-C-4W-20240508-0.75-3.2
Sample Type: Client
Inject. Date: 14-May-2024 04:31:38 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-012
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:08:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.457	1.457	0.000	185889618	100.0	
2	1.434	1.435	-0.001	313586158	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.929	1.930	-0.001	139567259	72.3	
2	1.796	1.797	-0.001	228049850	72.1	
					RPD = 0.25	
$ 24 DCB Decachlorobiphenyl						
1	8.155	8.157	-0.002	170686727	82.8	
2	7.315	7.314	0.001	311043951	88.7	
					RPD = 6.97	

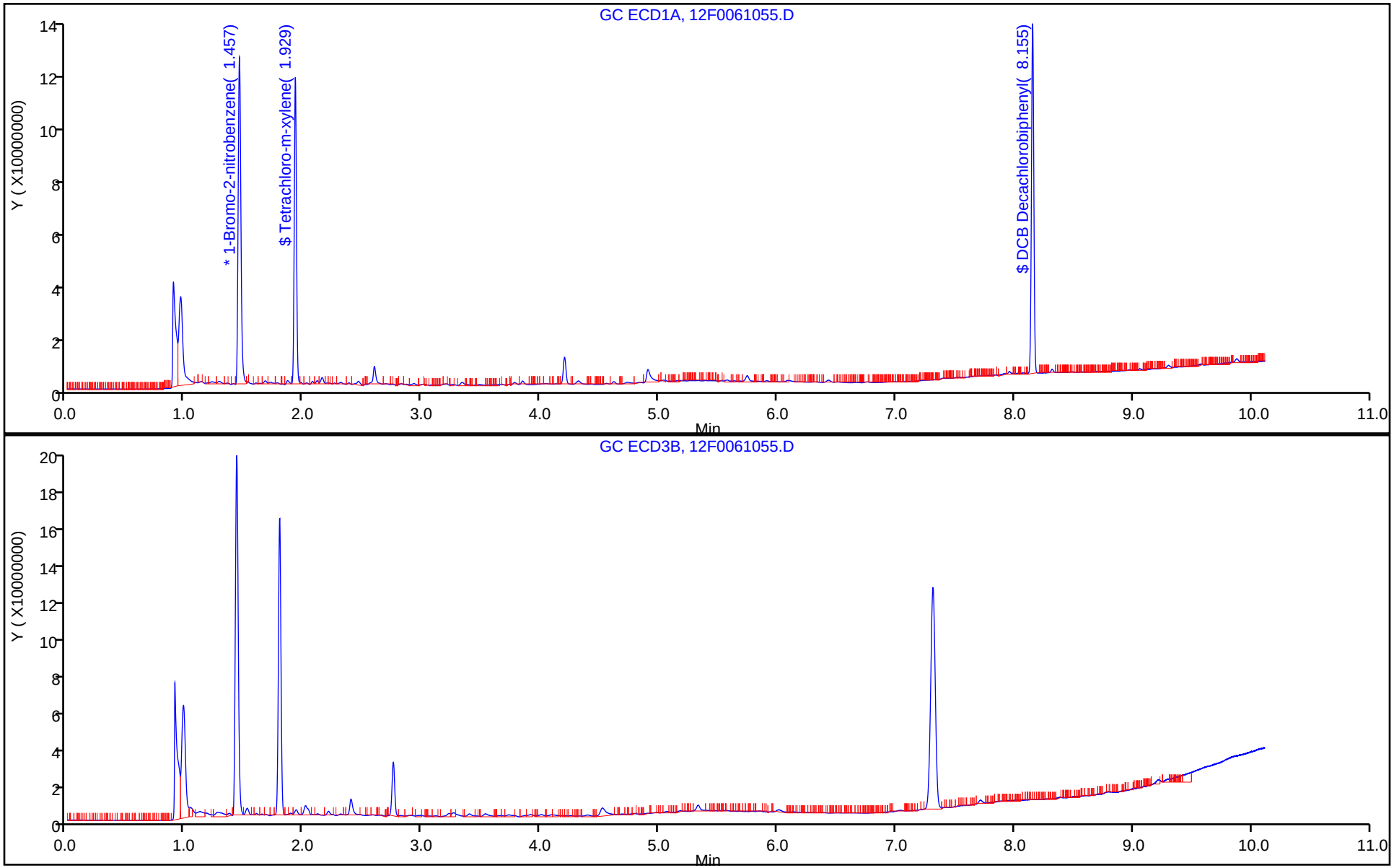
QC Flag Legend
Processing Flags

Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-May-2024 13:19:13 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D				
Injection Date:	14-May-2024 04:31:38	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-1-E	Lab Sample ID:	460-303610-1	Worklist Smp#:	12
Client ID:	PL-C-4W-20240508-0.75-3.2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 16-May-2024 13:19:13 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D
Lims ID: 460-303610-E-1-E
Client ID: PL-C-4W-20240508-0.75-3.2
Sample Type: Client
Inject. Date: 14-May-2024 04:31:38 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-012
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:08:21

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	72.3	72.26
$ 24 DCB Decachlorobiphenyl	100.0	82.8	82.76

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	72.1	72.09
$ 24 DCB Decachlorobiphenyl	100.0	88.7	88.73

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D

Injection Date: 14-May-2024 04:31:38 Instrument ID: CPESTGC12

Lims ID: 460-303610-E-1-E Lab Sample ID: 460-303610-1

Client ID: PL-C-4W-20240508-0.75-3.2

Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

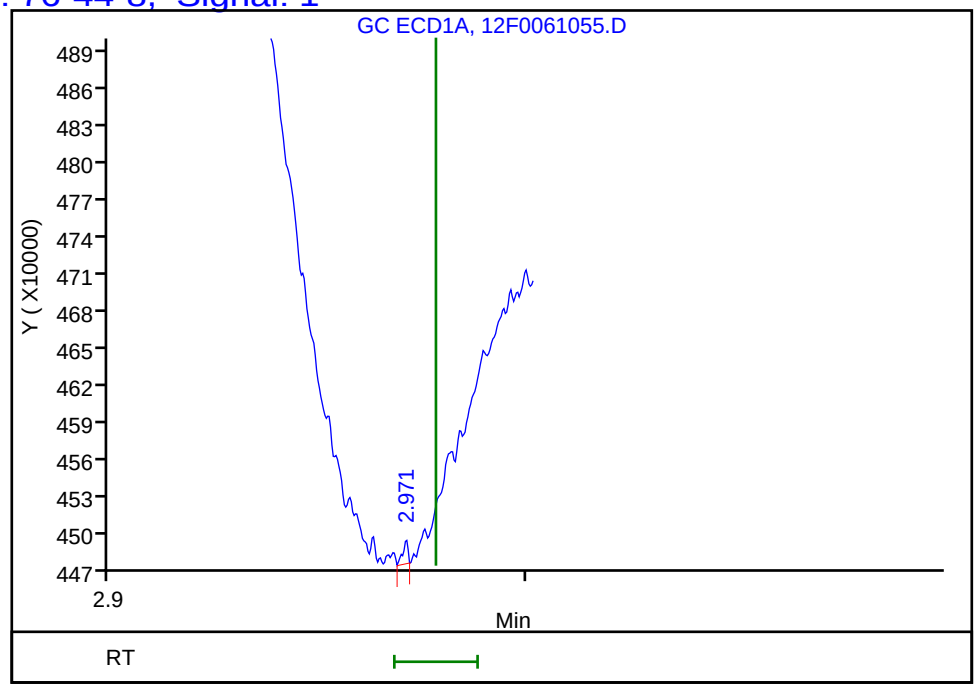
Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

RT: 2.97

Response: 1591

Amount: 0.000628



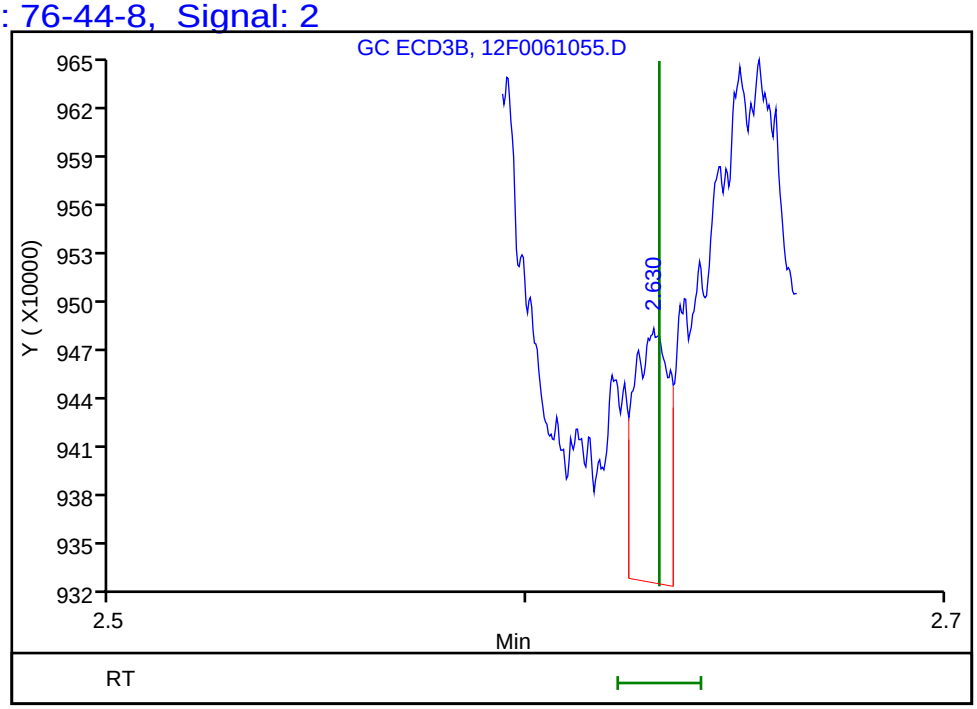
Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.63

Response: 87846

Amount: 0.020886



Reviewer: ESS0, 14-May-2024 04:43:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D

Injection Date: 14-May-2024 04:31:38 Instrument ID: CPESTGC12

Lims ID: 460-303610-E-1-E Lab Sample ID: 460-303610-1

Client ID: PL-C-4W-20240508-0.75-3.2

Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

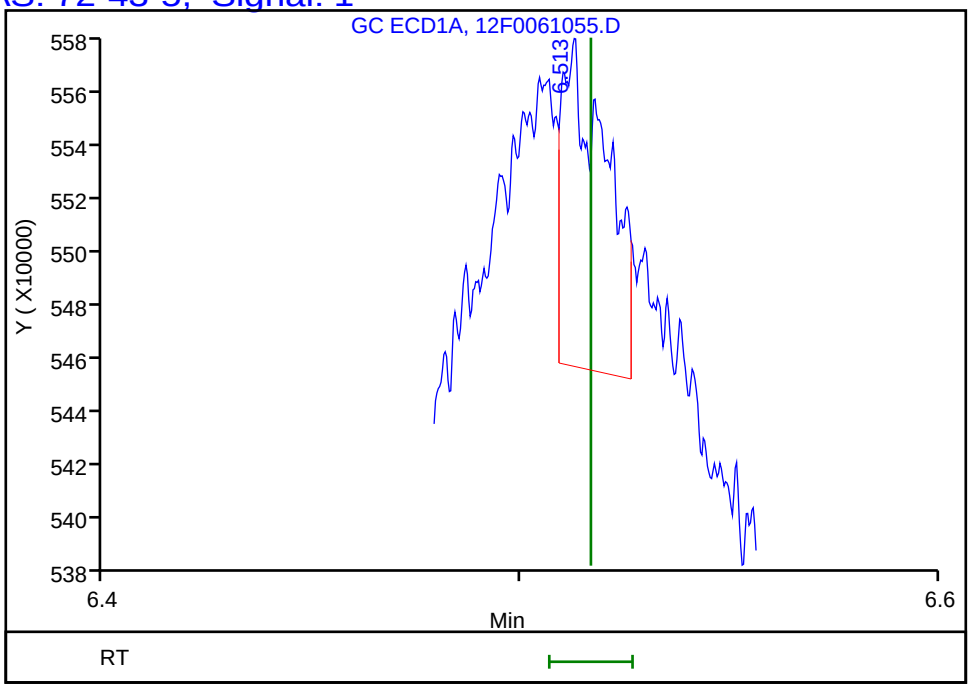
Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

RT: 6.51

Response: 86365

Amount: 0.076398



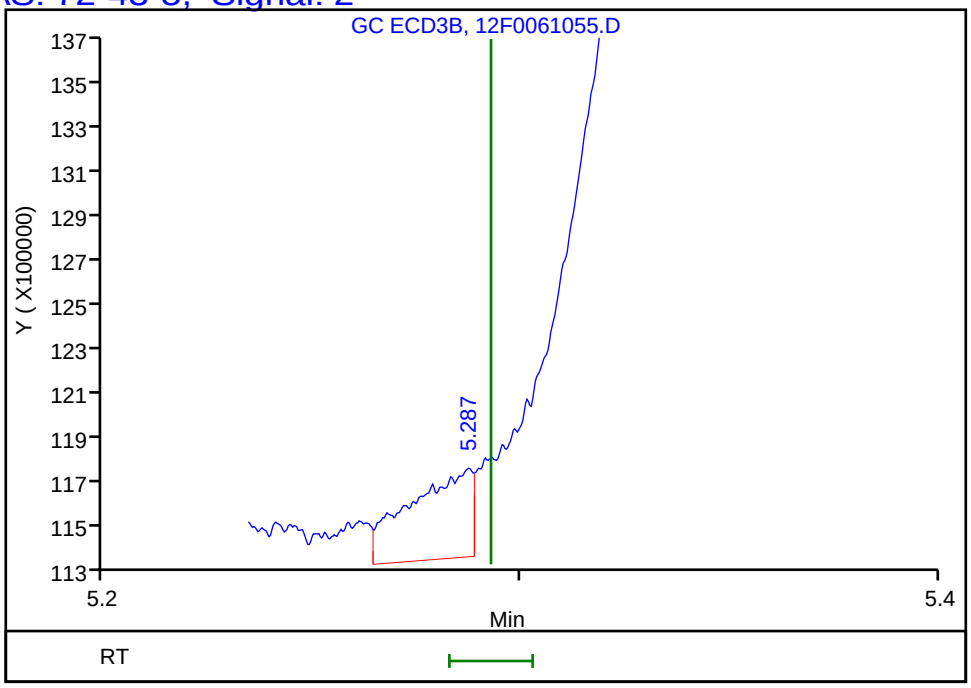
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.29

Response: 404368

Amount: 0.228644



Reviewer: ESS0, 14-May-2024 04:43:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-4W-20240508-0.75-3.2 | Lab Sample ID: 460-303610-1

Matrix: Solid (TCLP) | Lab File ID: 12F0061055.D

Analysis Method: 8081B | Date Collected: 05/08/2024 13:05

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 04:31

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.055	U	5.0	0.055
72-20-8	Endrin	0.0040	U	0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.012	U	0.50	0.012
76-44-8	Heptachlor	0.0030	U	0.50	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.50	0.0050
72-43-5	Methoxychlor	0.0040	U	0.50	0.0040
8001-35-2	Toxaphene	0.11	U	5.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		10-131
877-09-8	Tetrachloro-m-xylene	72		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D
Lims ID: 460-303610-E-1-E
Client ID: PL-C-4W-20240508-0.75-3.2
Sample Type: Client
Inject. Date: 14-May-2024 04:31:38 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-012
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:08:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.457	1.457	0.000	185889618	100.0	
2	1.434	1.435	-0.001	313586158	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.929	1.930	-0.001	139567259	72.3	
2	1.796	1.797	-0.001	228049850	72.1	
					RPD = 0.25	
$ 24 DCB Decachlorobiphenyl						
1	8.155	8.157	-0.002	170686727	82.8	
2	7.315	7.314	0.001	311043951	88.7	
					RPD = 6.97	

QC Flag Legend
Processing Flags

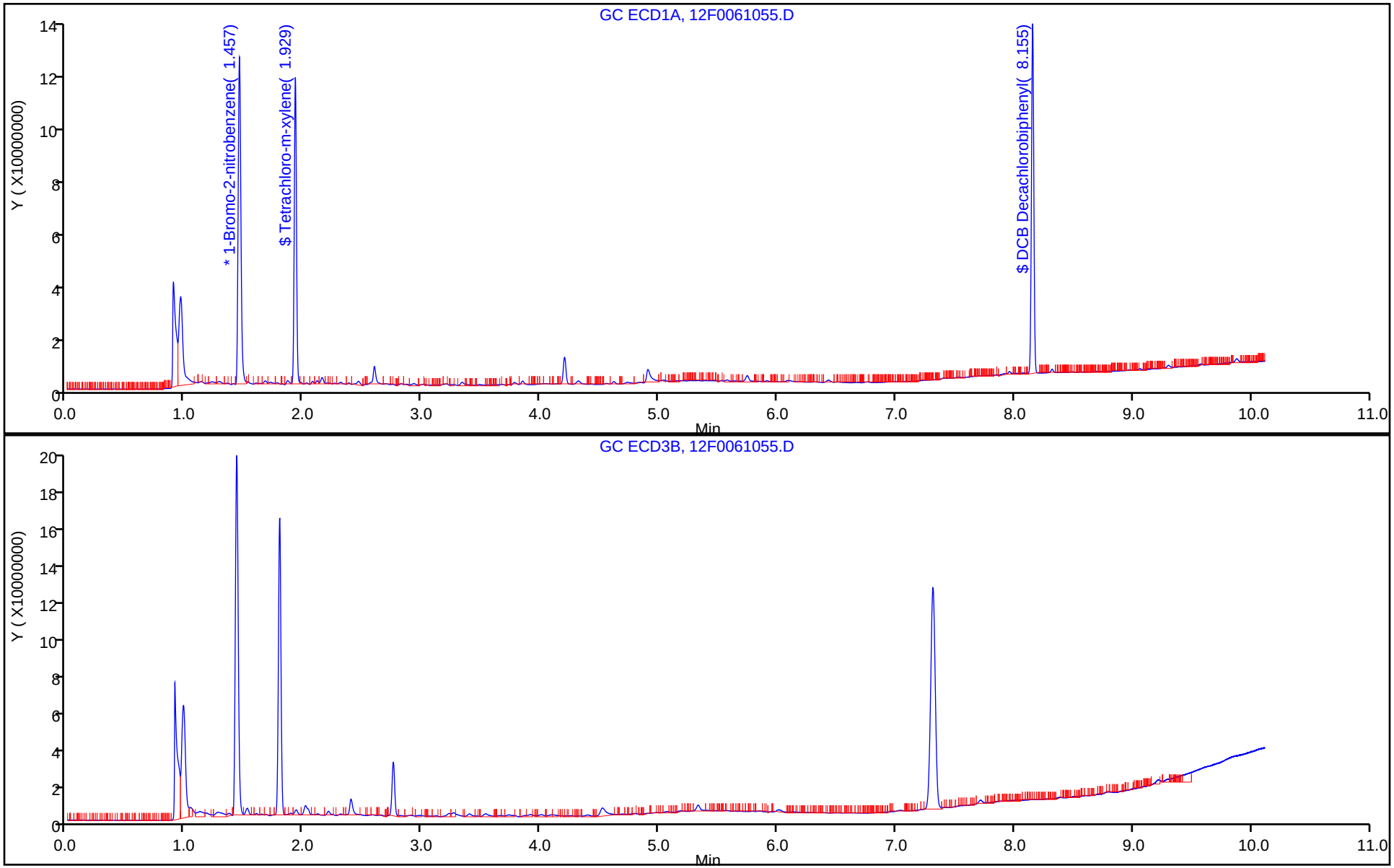
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-May-2024 13:19:16 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D

Injection Date:	14-May-2024 04:31:38	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-1-E	Lab Sample ID:	460-303610-1	Worklist Smp#:	12
Client ID:	PL-C-4W-20240508-0.75-3.2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 16-May-2024 13:19:16 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D
Lims ID: 460-303610-E-1-E
Client ID: PL-C-4W-20240508-0.75-3.2
Sample Type: Client
Inject. Date: 14-May-2024 04:31:38 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-012
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:08:21

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	72.3	72.26
$ 24 DCB Decachlorobiphenyl	100.0	82.8	82.76

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	72.1	72.09
$ 24 DCB Decachlorobiphenyl	100.0	88.7	88.73

User Disabled Compound Report

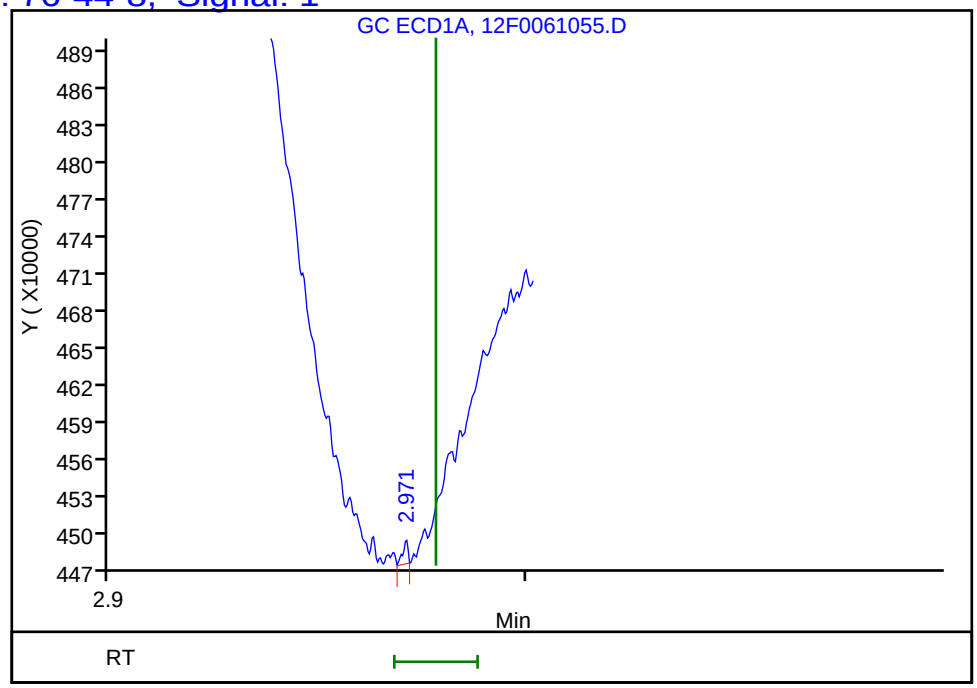
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D
Injection Date: 14-May-2024 04:31:38 Instrument ID: CPESTGC12
Lims ID: 460-303610-E-1-E Lab Sample ID: 460-303610-1
Client ID: PL-C-4W-20240508-0.75-3.2
Operator ID: ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

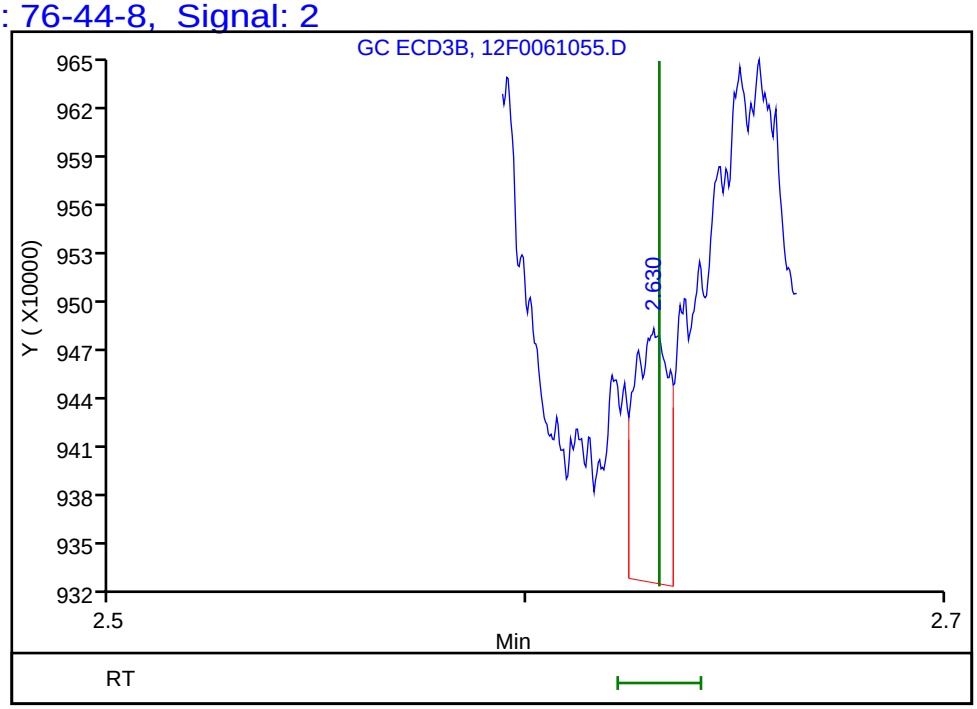
RT: 2.97
Response: 1591
Amount: 0.000628



Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.63
Response: 87846
Amount: 0.020886



Reviewer: ESS0, 14-May-2024 04:43:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061055.D

Injection Date: 14-May-2024 04:31:38 Instrument ID: CPESTGC12

Lims ID: 460-303610-E-1-E Lab Sample ID: 460-303610-1

Client ID: PL-C-4W-20240508-0.75-3.2

Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

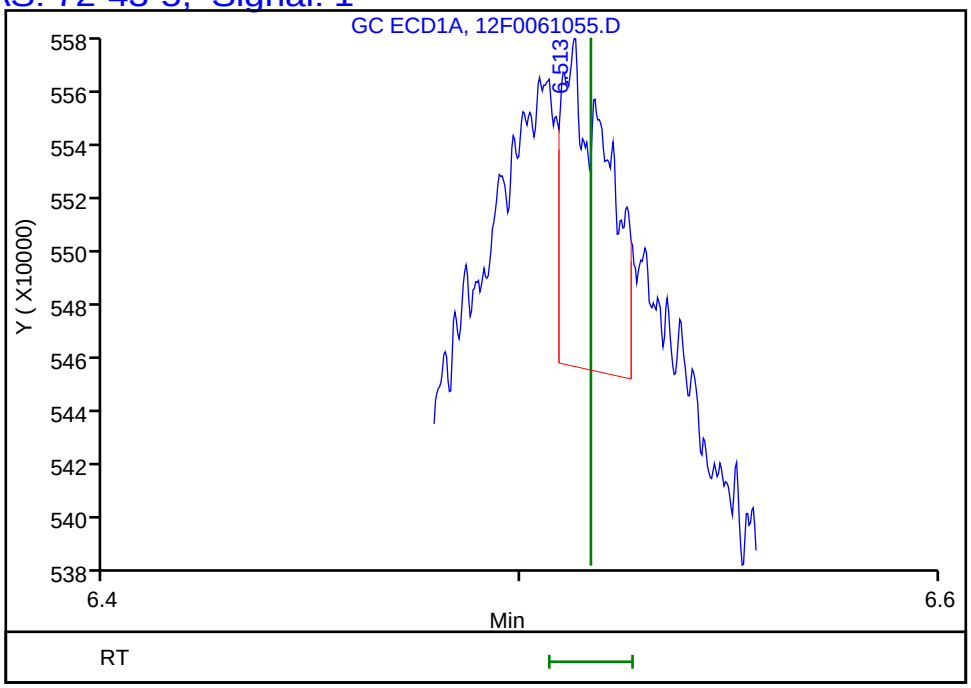
Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

RT: 6.51

Response: 86365

Amount: 0.076398



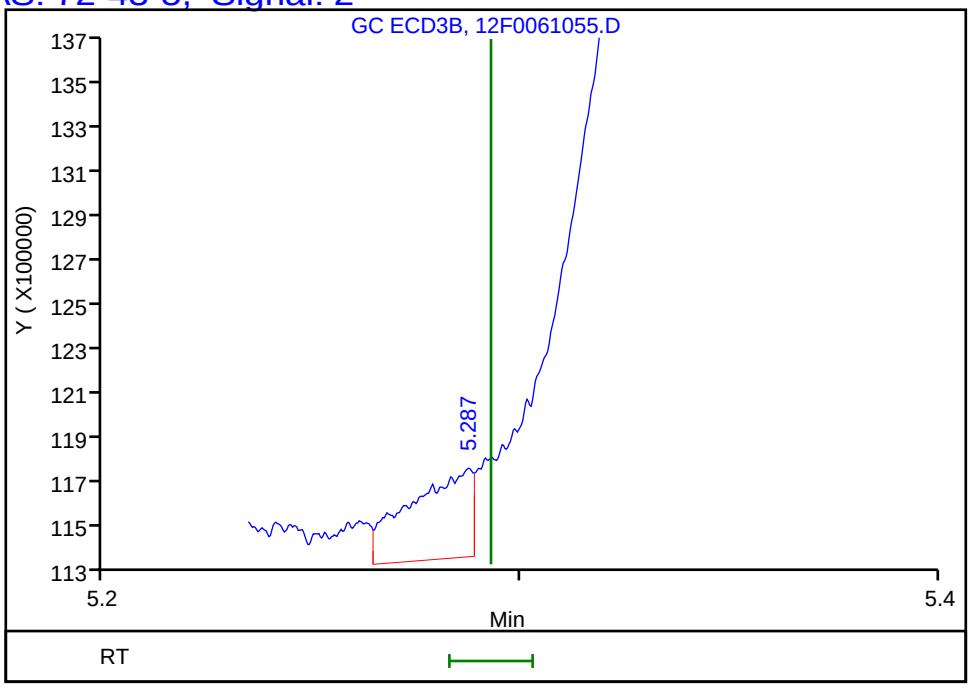
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.29

Response: 404368

Amount: 0.228644



Reviewer: ESS0, 14-May-2024 04:43:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-1W-20240508-0.75-4.1 Lab Sample ID: 460-303610-2

Matrix: Solid (TCLP) Lab File ID: 12F0061056.D

Analysis Method: 8081B Date Collected: 05/08/2024 12:15

Extraction Method: 3510C Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) Date Analyzed: 05/14/2024 04:43

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 Units: ug/L

Preparation Batch No.: 974528 Instrument ID: PESTGC12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	77		10-131
877-09-8	Tetrachloro-m-xylene	70		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061056.D
Lims ID: 460-303610-E-2-D
Client ID: PL-C-1W-20240508-0.75-4.1
Sample Type: Client
Inject. Date: 14-May-2024 04:43:55 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-013
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:17:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.457	1.457	0.000	182751264	100.0	
2	1.434	1.435	-0.001	243430513	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.929	1.930	-0.001	132488754	69.8	
2	1.797	1.797	0.000	192821451	78.5	
					RPD = 11.79	
$ 24 DCB Decachlorobiphenyl						
1	8.157	8.157	0.000	156151807	77.0	
2	7.315	7.314	0.001	284324145	104.5	
					RPD = 30.28	

QC Flag Legend
Processing Flags

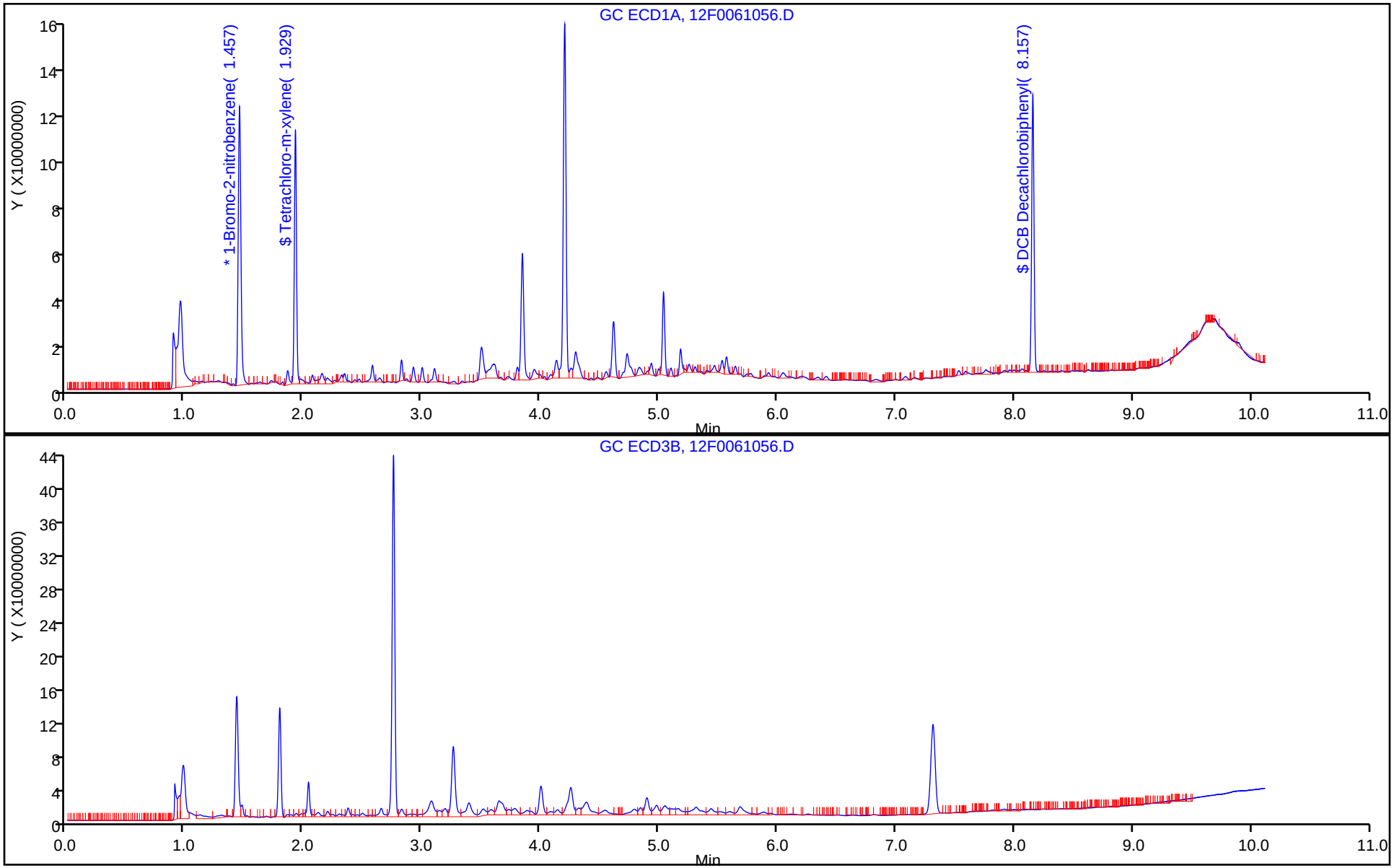
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-May-2024 13:19:23 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061056.D

Injection Date:	14-May-2024 04:43:55	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-2-D	Lab Sample ID:	460-303610-2	Worklist Smp#:	13
Client ID:	PL-C-1W-20240508-0.75-4.1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 16-May-2024 13:19:23 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061056.D				
Lims ID:	460-303610-E-2-D				
Client ID:	PL-C-1W-20240508-0.75-4.1				
Sample Type:	Client				
Inject. Date:	14-May-2024 04:43:55	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-013				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 06:50:49	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer:	ESS0	Date:	14-May-2024 05:17:58		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	69.8	69.78
$ 24 DCB Decachlorobiphenyl	100.0	77.0	77.01

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	78.5	78.52
$ 24 DCB Decachlorobiphenyl	100.0	104.5	104.49

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061056.D

Injection Date: 14-May-2024 04:43:55 Instrument ID: CPESTGC12

Lims ID: 460-303610-E-2-D Lab Sample ID: 460-303610-2

Client ID: PL-C-1W-20240508-0.75-4.1

Operator ID: ALS Bottle#: 13 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

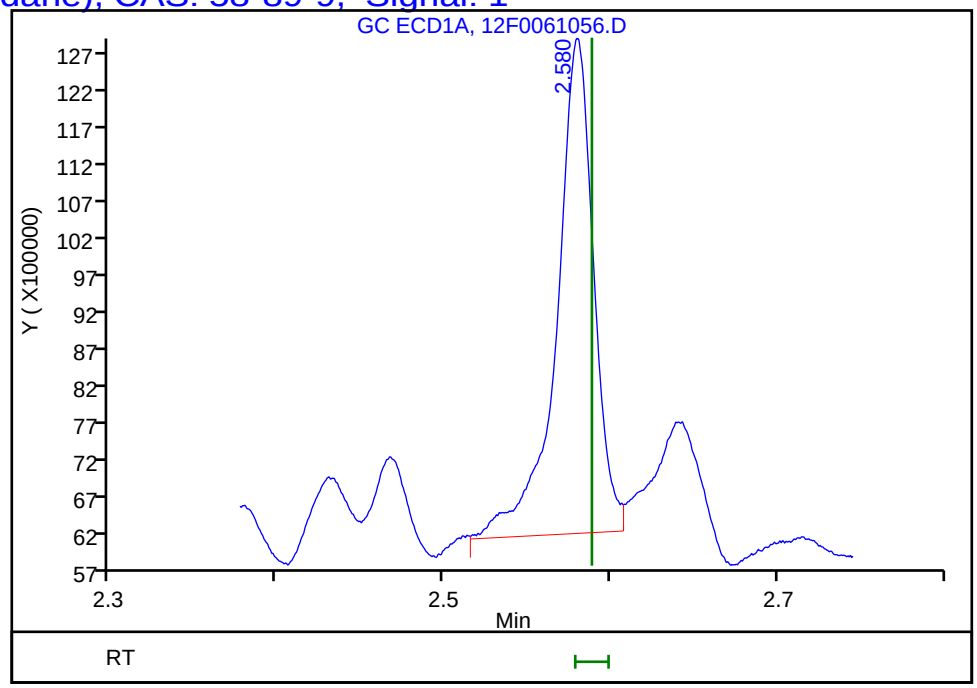
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 1

RT: 2.58

Response: 10296276

Amount: 4.182512



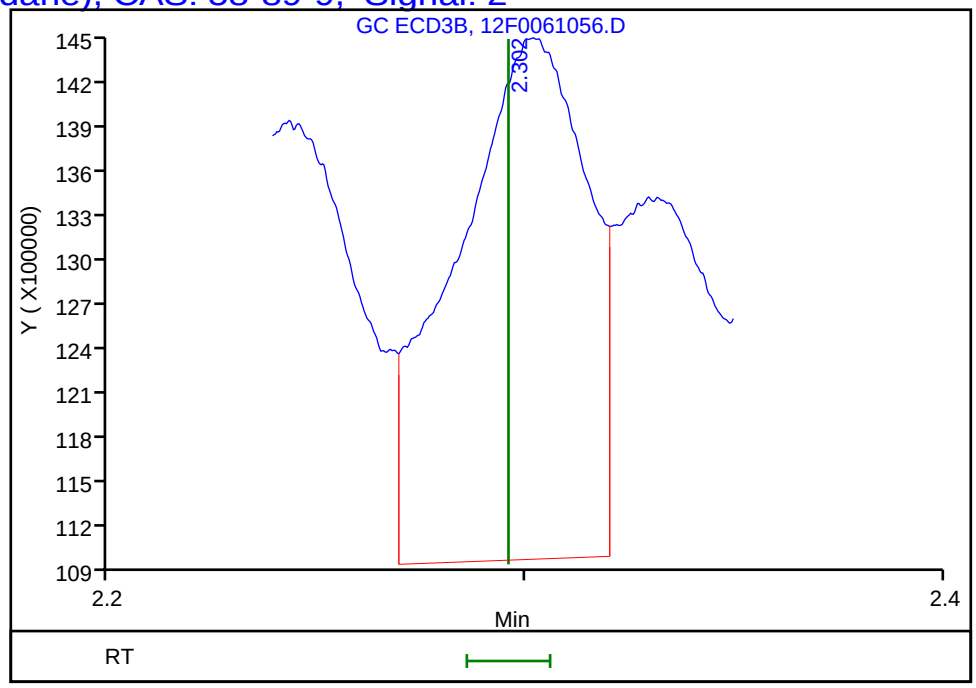
Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 2

RT: 2.30

Response: 7606855

Amount: 2.243874



Reviewer: ESS0, 14-May-2024 05:04:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-1W-20240508-0.75-4.1 | Lab Sample ID: 460-303610-2

Matrix: Solid (TCLP) | Lab File ID: 12F0061056.D

Analysis Method: 8081B | Date Collected: 05/08/2024 12:15

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 04:43

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.055	U	5.0	0.055
72-20-8	Endrin	0.0040	U	0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.012	U	0.50	0.012
76-44-8	Heptachlor	0.0030	U	0.50	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.50	0.0050
72-43-5	Methoxychlor	0.0040	U	0.50	0.0040
8001-35-2	Toxaphene	0.11	U	5.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		10-131
877-09-8	Tetrachloro-m-xylene	79		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061056.D
Lims ID: 460-303610-E-2-D
Client ID: PL-C-1W-20240508-0.75-4.1
Sample Type: Client
Inject. Date: 14-May-2024 04:43:55 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-013
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:17:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.457	1.457	0.000	182751264	100.0	
2	1.434	1.435	-0.001	243430513	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.929	1.930	-0.001	132488754	69.8	
2	1.797	1.797	0.000	192821451	78.5	
					RPD = 11.79	
$ 24 DCB Decachlorobiphenyl						
1	8.157	8.157	0.000	156151807	77.0	
2	7.315	7.314	0.001	284324145	104.5	
					RPD = 30.28	

QC Flag Legend
Processing Flags

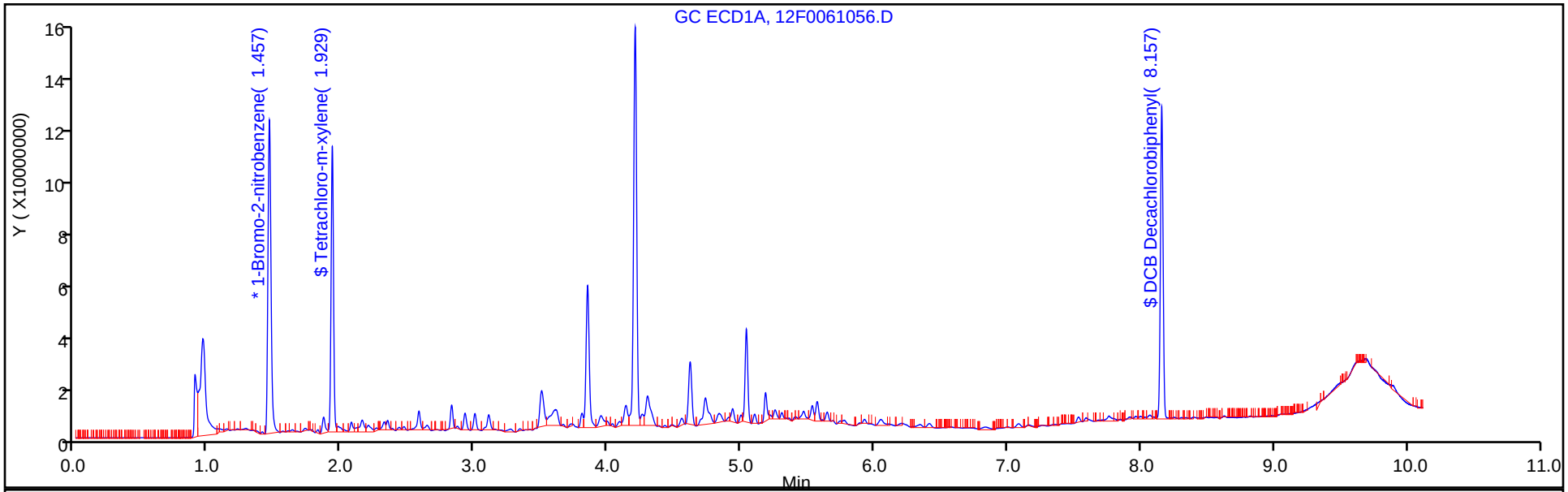
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

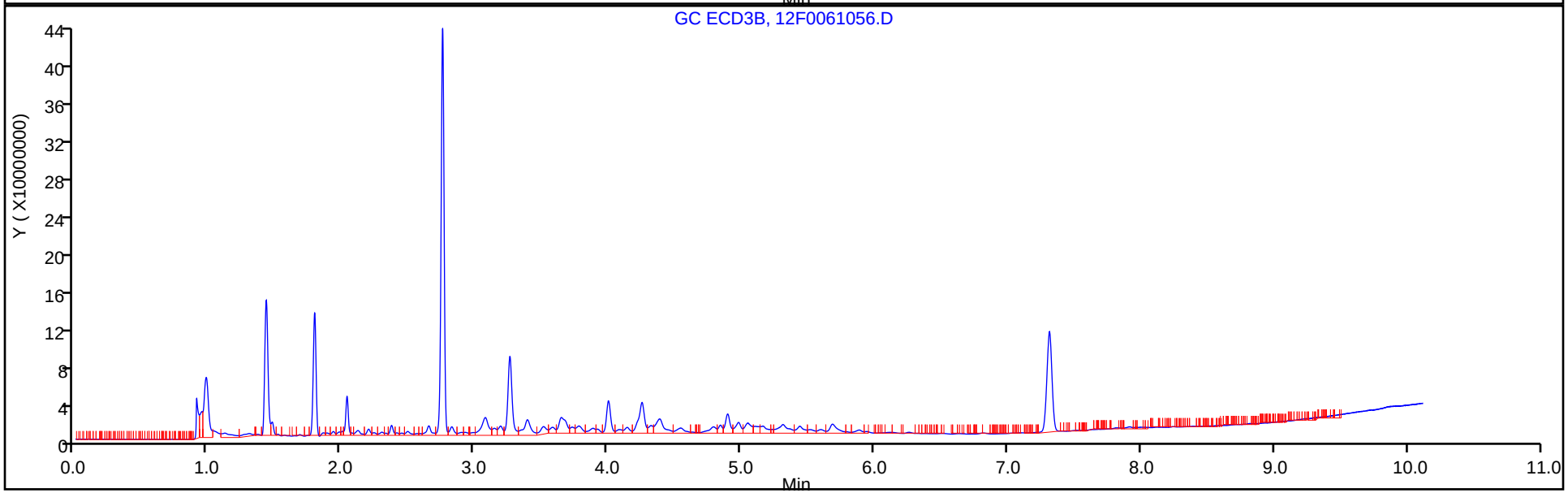
Report Date: 16-May-2024 13:19:24 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061056.D

Injection Date:	14-May-2024 04:43:55	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-2-D	Lab Sample ID:	460-303610-2	Worklist Smp#:	13
Client ID:	PL-C-1W-20240508-0.75-4.1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 16-May-2024 13:19:24 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061056.D				
Lims ID:	460-303610-E-2-D				
Client ID:	PL-C-1W-20240508-0.75-4.1				
Sample Type:	Client				
Inject. Date:	14-May-2024 04:43:55	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-013				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 06:50:49	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer:	ESS0	Date:	14-May-2024 05:17:58		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	69.8	69.78
$ 24 DCB Decachlorobiphenyl	100.0	77.0	77.01

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	78.5	78.52
$ 24 DCB Decachlorobiphenyl	100.0	104.5	104.49

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061056.D

Injection Date: 14-May-2024 04:43:55 Instrument ID: CPESTGC12

Lims ID: 460-303610-E-2-D Lab Sample ID: 460-303610-2

Client ID: PL-C-1W-20240508-0.75-4.1

Operator ID: ALS Bottle#: 13 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

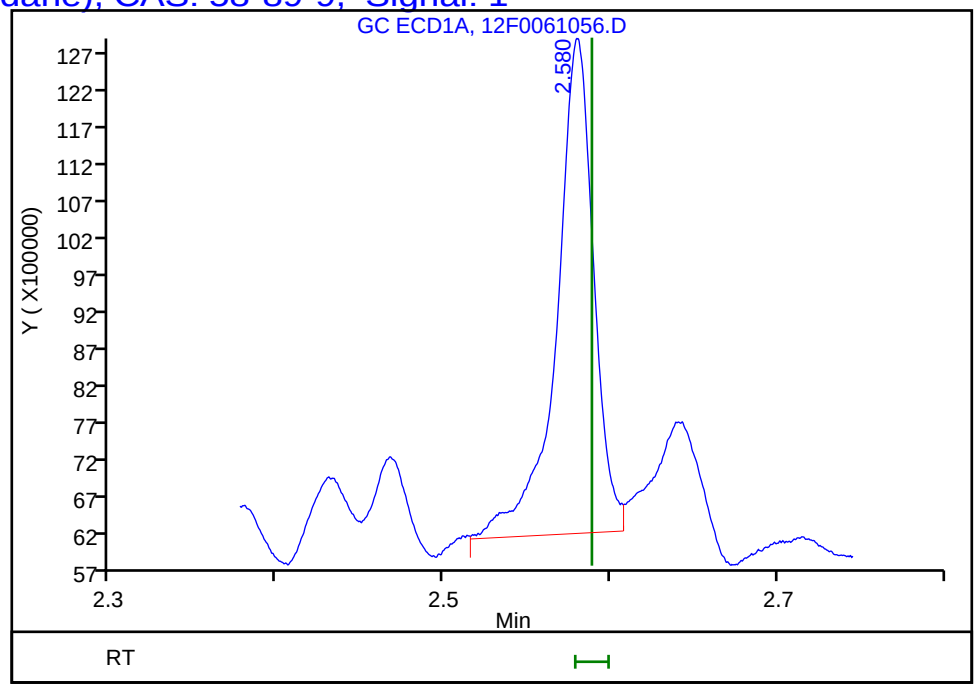
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 1

RT: 2.58

Response: 10296276

Amount: 4.182512



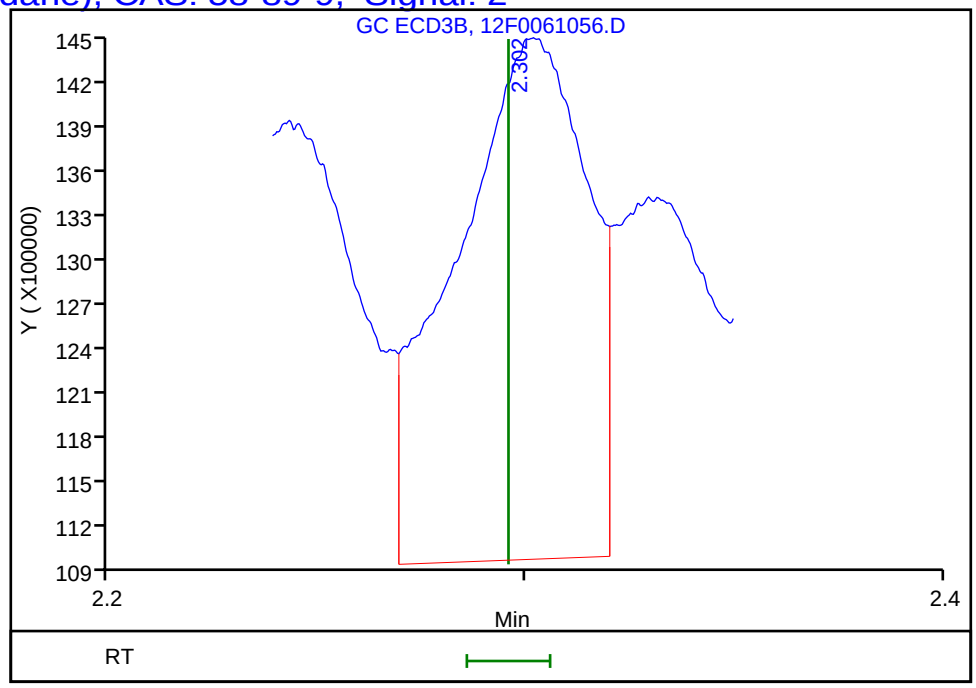
Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 2

RT: 2.30

Response: 7606855

Amount: 2.243874



Reviewer: ESS0, 14-May-2024 05:04:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-5W-20240508-0.75-7.8 Lab Sample ID: 460-303610-3

Matrix: Solid (TCLP) Lab File ID: 12F0061057.D

Analysis Method: 8081B Date Collected: 05/08/2024 11:10

Extraction Method: 3510C Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) Date Analyzed: 05/14/2024 04:56

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 Units: ug/L

Preparation Batch No.: 974528 Instrument ID: PESTGC12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	87		10-131
877-09-8	Tetrachloro-m-xylene	77		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061057.D
Lims ID: 460-303610-E-3-D
Client ID: PL-C-5W-20240508-0.75-7.8
Sample Type: Client
Inject. Date: 14-May-2024 04:56:14 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-014
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:39:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.457	1.457	0.000	194777648	100.0	
2	1.434	1.435	-0.001	325070162	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.929	1.930	-0.001	155488364	76.8	
2	1.797	1.797	0.000	255092232	77.8	
					RPD = 1.23	
$ 24 DCB Decachlorobiphenyl						
1	8.158	8.157	0.001	189022984	87.5	
2	7.315	7.314	0.001	353559732	97.3	
					RPD = 10.64	

QC Flag Legend
Processing Flags

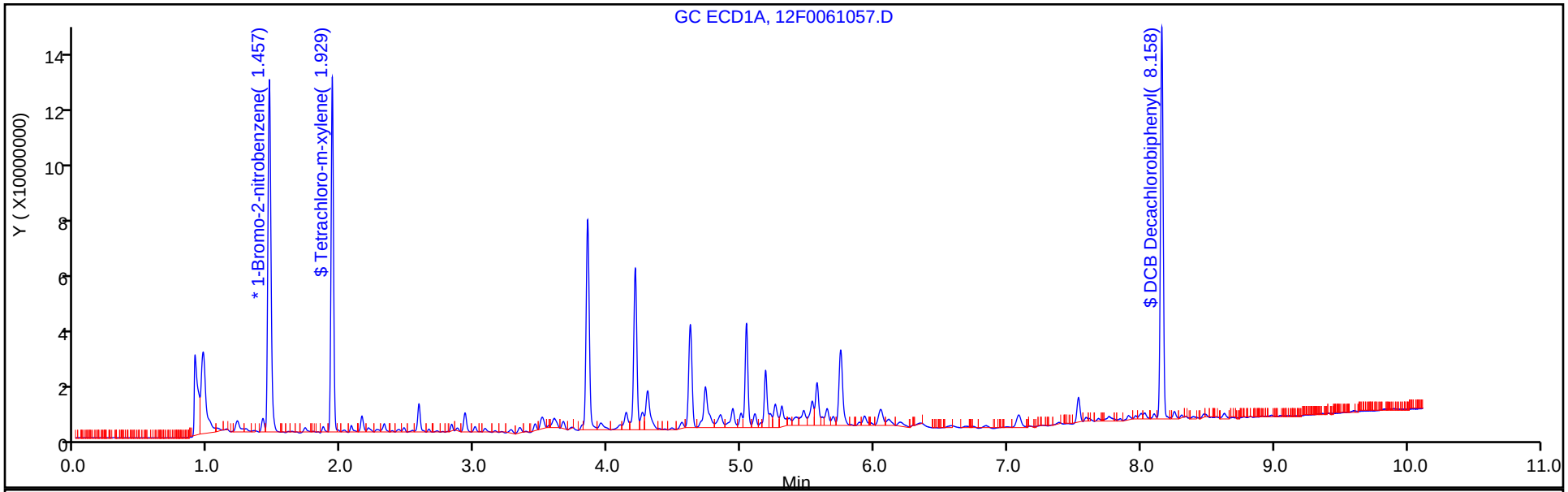
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

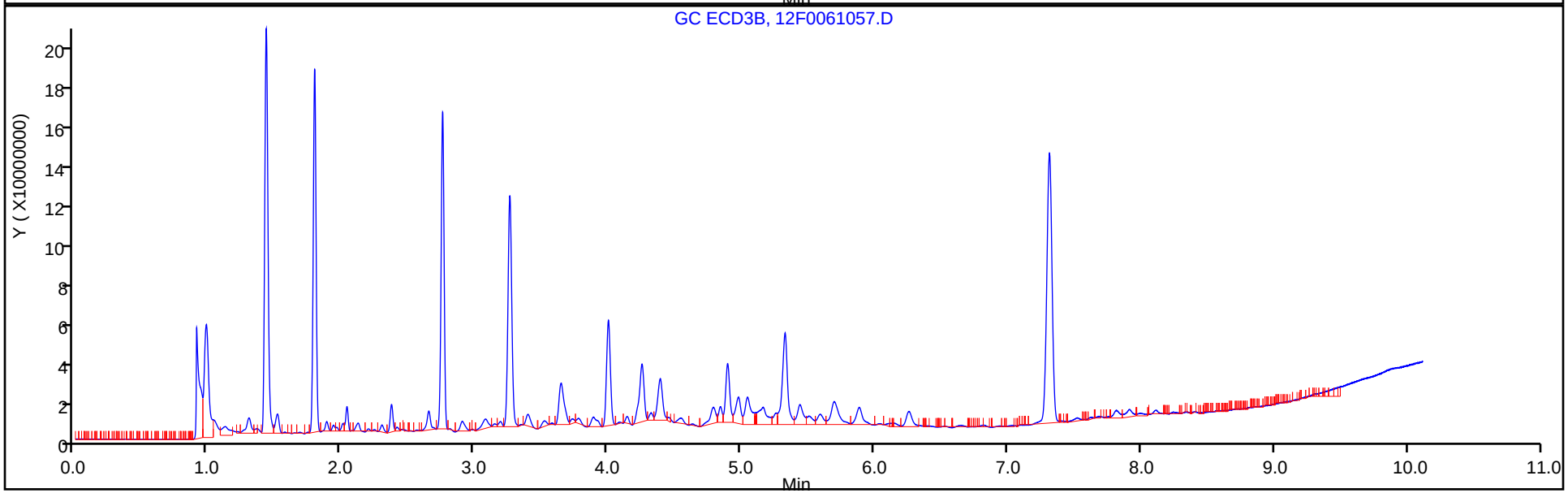
Report Date: 16-May-2024 13:19:28 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061057.D

Injection Date:	14-May-2024 04:56:14	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-3-D	Lab Sample ID:	460-303610-3	Worklist Smp#:	14
Client ID:	PL-C-5W-20240508-0.75-7.8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 16-May-2024 13:19:28 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061057.D				
Lims ID:	460-303610-E-3-D				
Client ID:	PL-C-5W-20240508-0.75-7.8				
Sample Type:	Client				
Inject. Date:	14-May-2024 04:56:14	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-014				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 06:50:49	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer:	ESS0	Date:	14-May-2024 05:39:52		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	76.8	76.83
$ 24 DCB Decachlorobiphenyl	100.0	87.5	87.46

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	77.8	77.79
$ 24 DCB Decachlorobiphenyl	100.0	97.3	97.30

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061057.D

Injection Date: 14-May-2024 04:56:14 Instrument ID: CPESTGC12

Lims ID: 460-303610-E-3-D Lab Sample ID: 460-303610-3

Client ID: PL-C-5W-20240508-0.75-7.8

Operator ID: ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

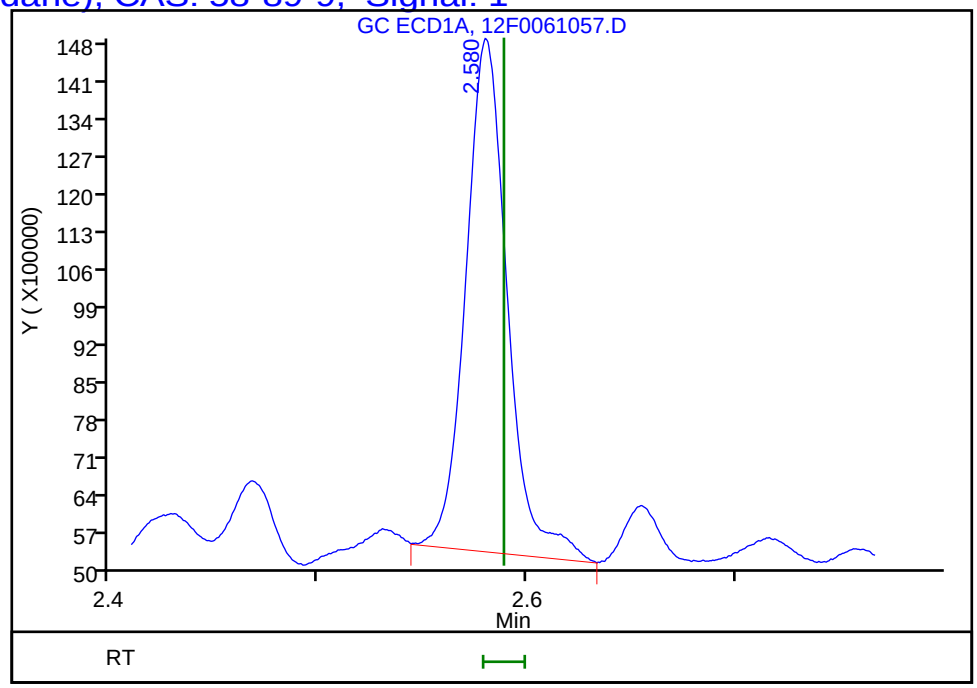
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 1

RT: 2.58

Response: 13209668

Amount: 5.034661



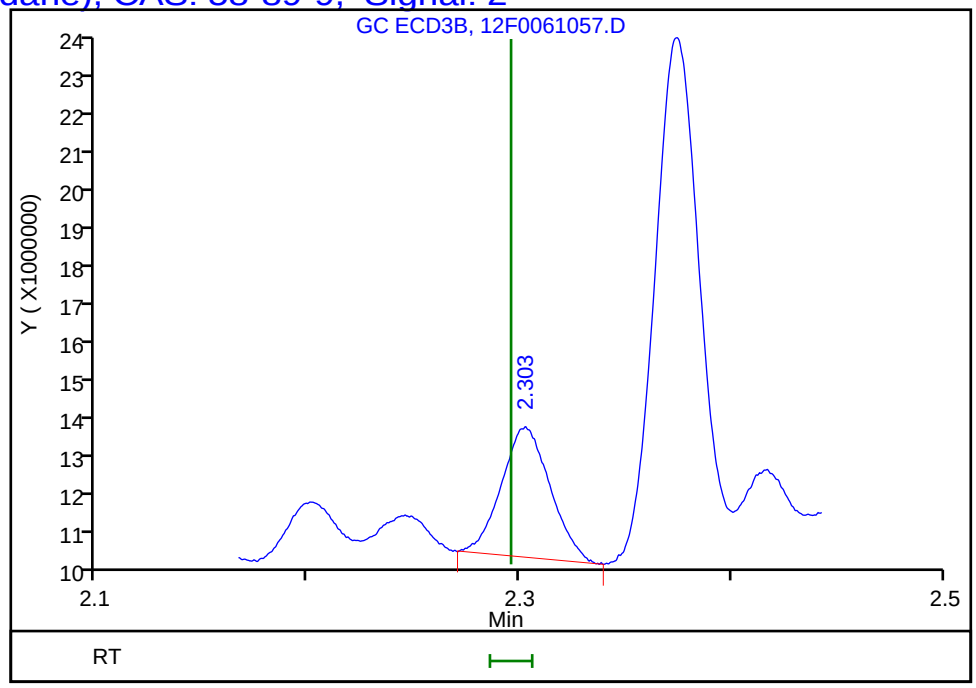
Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 2

RT: 2.30

Response: 5262631

Amount: 1.162503



Reviewer: ESS0, 14-May-2024 05:15:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-5W-20240508-0.75-7.8 | Lab Sample ID: 460-303610-3

Matrix: Solid (TCLP) | Lab File ID: 12F0061057.D

Analysis Method: 8081B | Date Collected: 05/08/2024 11:10

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 04:56

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.055	U	5.0	0.055
72-20-8	Endrin	0.0040	U	0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.012	U	0.50	0.012
76-44-8	Heptachlor	0.0030	U	0.50	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.50	0.0050
72-43-5	Methoxychlor	0.0040	U	0.50	0.0040
8001-35-2	Toxaphene	0.11	U	5.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		10-131
877-09-8	Tetrachloro-m-xylene	78		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061057.D
Lims ID: 460-303610-E-3-D
Client ID: PL-C-5W-20240508-0.75-7.8
Sample Type: Client
Inject. Date: 14-May-2024 04:56:14 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-014
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:39:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.457	1.457	0.000	194777648	100.0	
2	1.434	1.435	-0.001	325070162	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.929	1.930	-0.001	155488364	76.8	
2	1.797	1.797	0.000	255092232	77.8	
					RPD = 1.23	
$ 24 DCB Decachlorobiphenyl						
1	8.158	8.157	0.001	189022984	87.5	
2	7.315	7.314	0.001	353559732	97.3	
					RPD = 10.64	

QC Flag Legend
Processing Flags

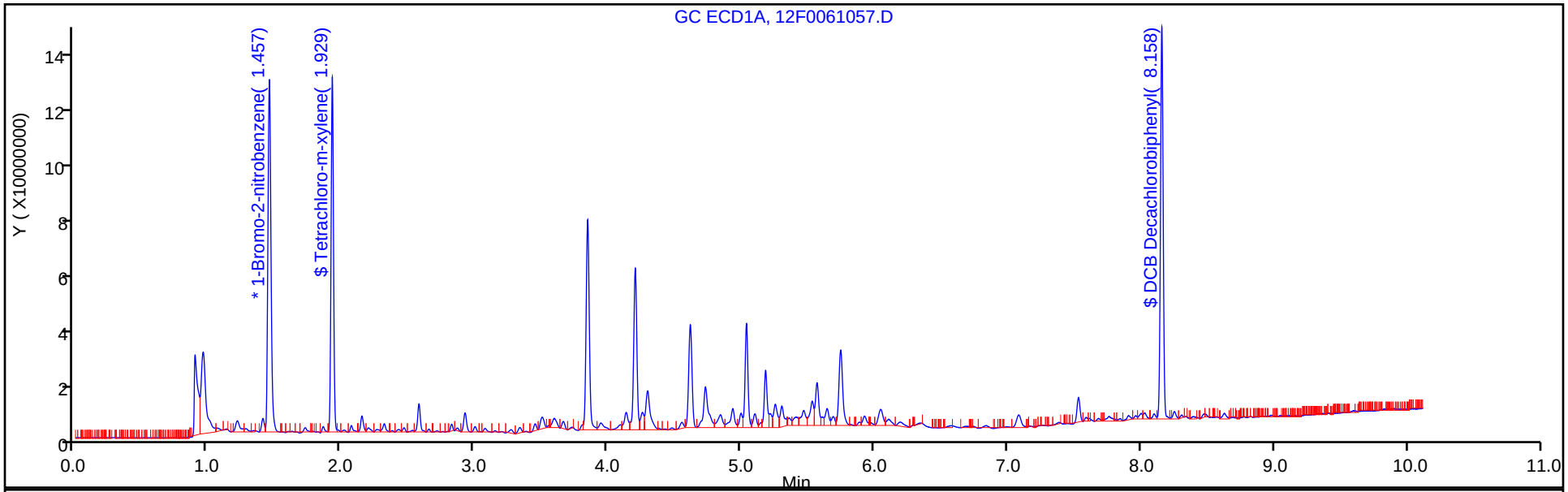
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

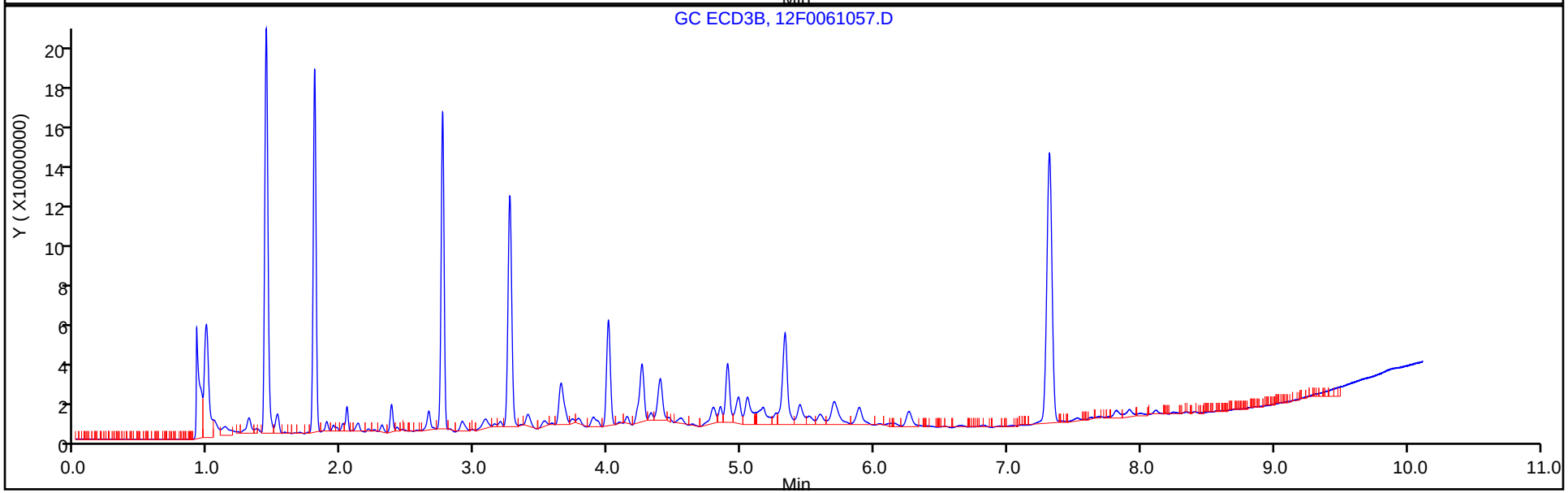
Report Date: 16-May-2024 13:19:29 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061057.D

Injection Date:	14-May-2024 04:56:14	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-3-D	Lab Sample ID:	460-303610-3	Worklist Smp#:	14
Client ID:	PL-C-5W-20240508-0.75-7.8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 16-May-2024 13:19:29 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061057.D				
Lims ID:	460-303610-E-3-D				
Client ID:	PL-C-5W-20240508-0.75-7.8				
Sample Type:	Client				
Inject. Date:	14-May-2024 04:56:14	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-014				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 06:50:49	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer:	ESS0	Date:	14-May-2024 05:39:52		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	76.8	76.83
$ 24 DCB Decachlorobiphenyl	100.0	87.5	87.46

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	77.8	77.79
$ 24 DCB Decachlorobiphenyl	100.0	97.3	97.30

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061057.D

Injection Date: 14-May-2024 04:56:14 Instrument ID: CPESTGC12

Lims ID: 460-303610-E-3-D Lab Sample ID: 460-303610-3

Client ID: PL-C-5W-20240508-0.75-7.8

Operator ID: ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

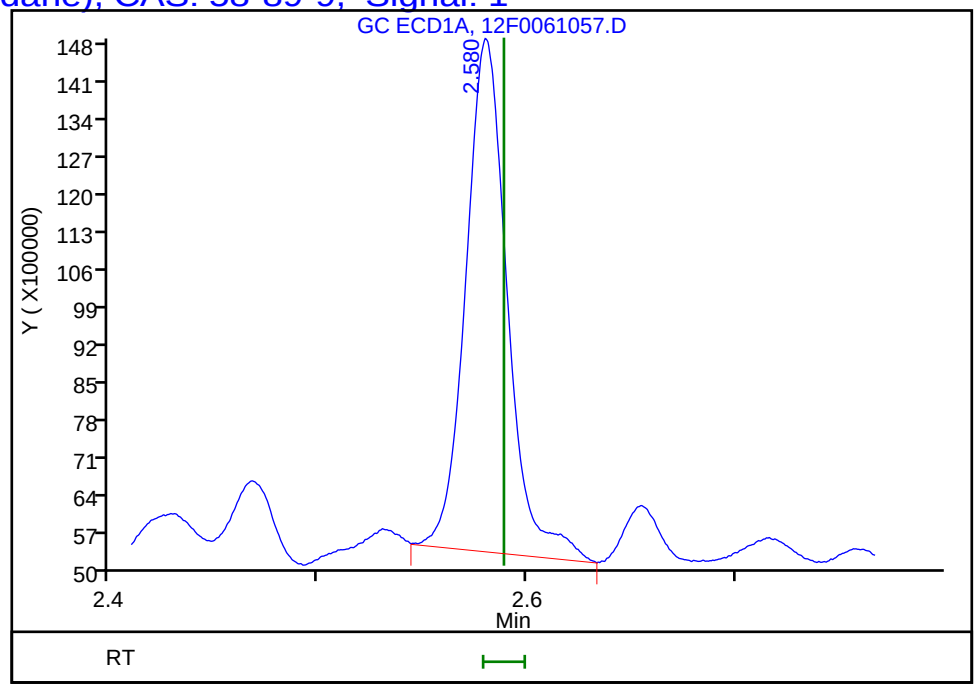
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 1

RT: 2.58

Response: 13209668

Amount: 5.034661



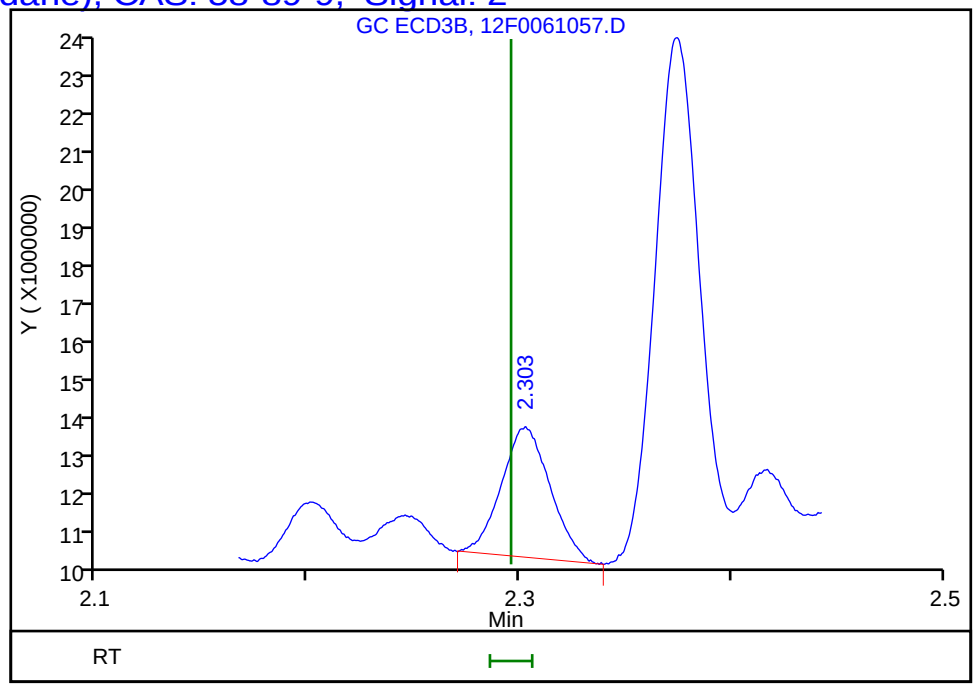
Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 2

RT: 2.30

Response: 5262631

Amount: 1.162503



Reviewer: ESS0, 14-May-2024 05:15:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-2W-20240508-1.7-7.4 Lab Sample ID: 460-303610-4

Matrix: Solid (TCLP) Lab File ID: 12F0061058.D

Analysis Method: 8081B Date Collected: 05/08/2024 10:10

Extraction Method: 3510C Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) Date Analyzed: 05/14/2024 05:08

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 Units: ug/L

Preparation Batch No.: 974528 Instrument ID: PESTGC12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		10-131
877-09-8	Tetrachloro-m-xylene	71		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061058.D
Lims ID: 460-303610-E-4-D
Client ID: PL-C-2W-20240508-1.7-7.4
Sample Type: Client
Inject. Date: 14-May-2024 05:08:27 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-015
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:39:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.458	1.457	0.001	190327850	100.0	
2	1.434	1.435	-0.001	274767631	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.929	1.930	-0.001	141274890	71.4	
2	1.797	1.797	0.000	214064907	77.2	
					RPD = 7.78	
$ 24 DCB Decachlorobiphenyl						
1	8.154	8.157	-0.003	168405769	79.7	
2	7.314	7.314	0.000	292635940	95.3	
					RPD = 17.74	

Reagents:

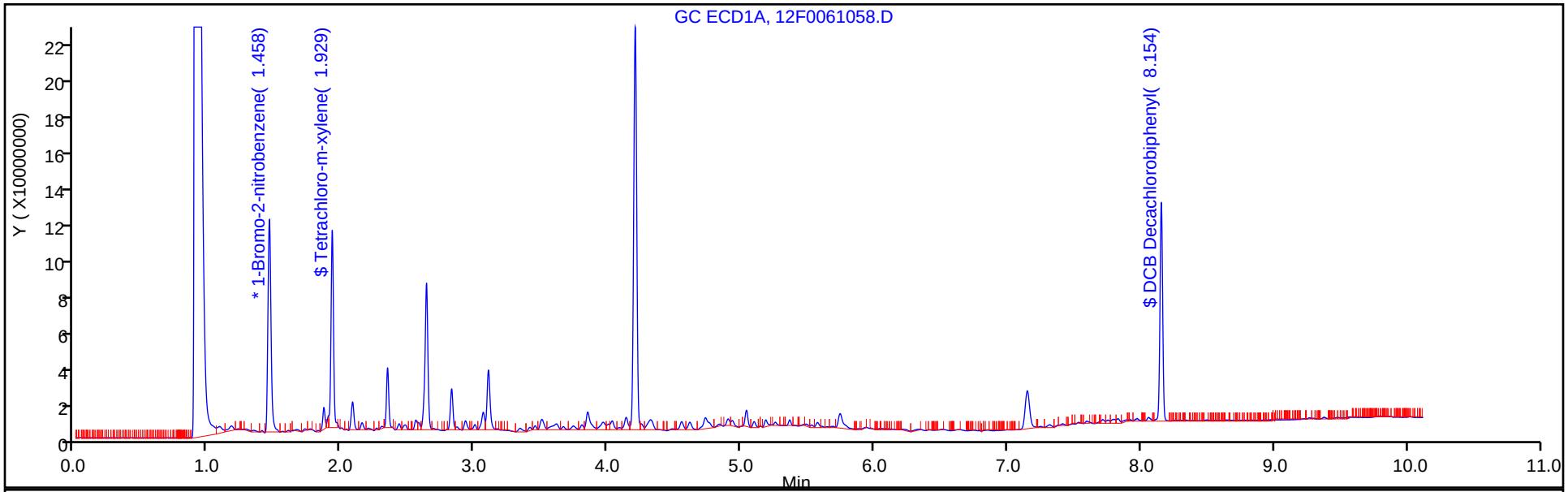
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

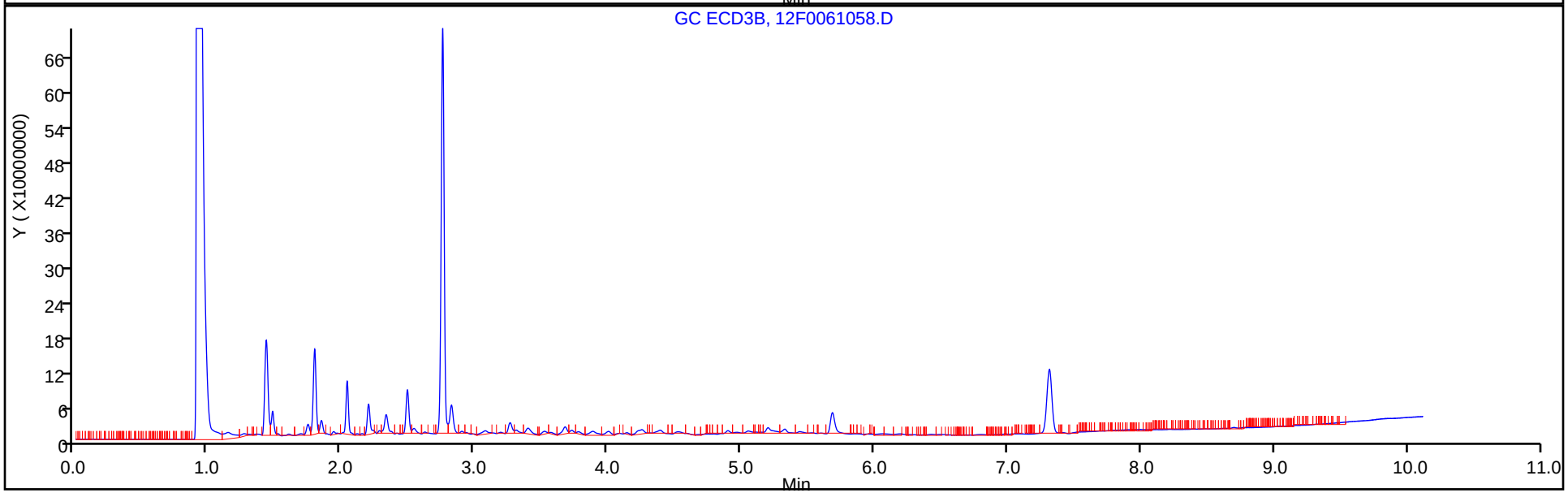
Report Date: 16-May-2024 13:19:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061058.D

Injection Date:	14-May-2024 05:08:27	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-4-D	Lab Sample ID:	460-303610-4	Worklist Smp#:	15
Client ID:	PL-C-2W-20240508-1.7-7.4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 16-May-2024 13:19:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061058.D				
Lims ID:	460-303610-E-4-D				
Client ID:	PL-C-2W-20240508-1.7-7.4				
Sample Type:	Client				
Inject. Date:	14-May-2024 05:08:27	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-015				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 06:50:49	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer:	ESS0	Date:	14-May-2024 05:39:38		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	71.4	71.44
$ 24 DCB Decachlorobiphenyl	100.0	79.7	79.75

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	77.2	77.22
$ 24 DCB Decachlorobiphenyl	100.0	95.3	95.28

User Disabled Compound Report

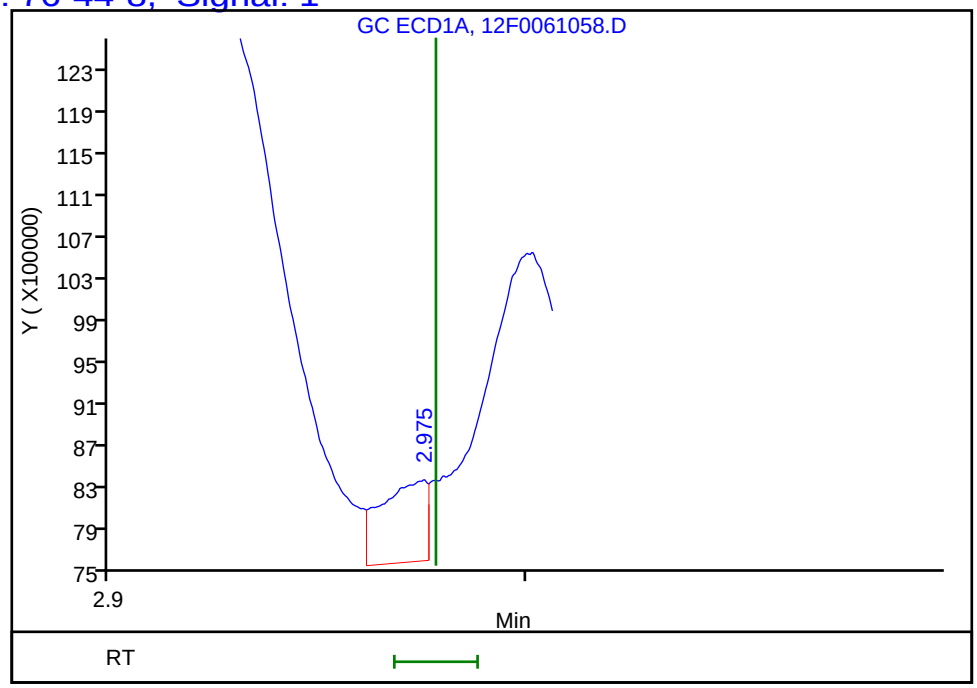
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061058.D
Injection Date: 14-May-2024 05:08:27 Instrument ID: CPESTGC12
Lims ID: 460-303610-E-4-D Lab Sample ID: 460-303610-4
Client ID: PL-C-2W-20240508-1.7-7.4
Operator ID: ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

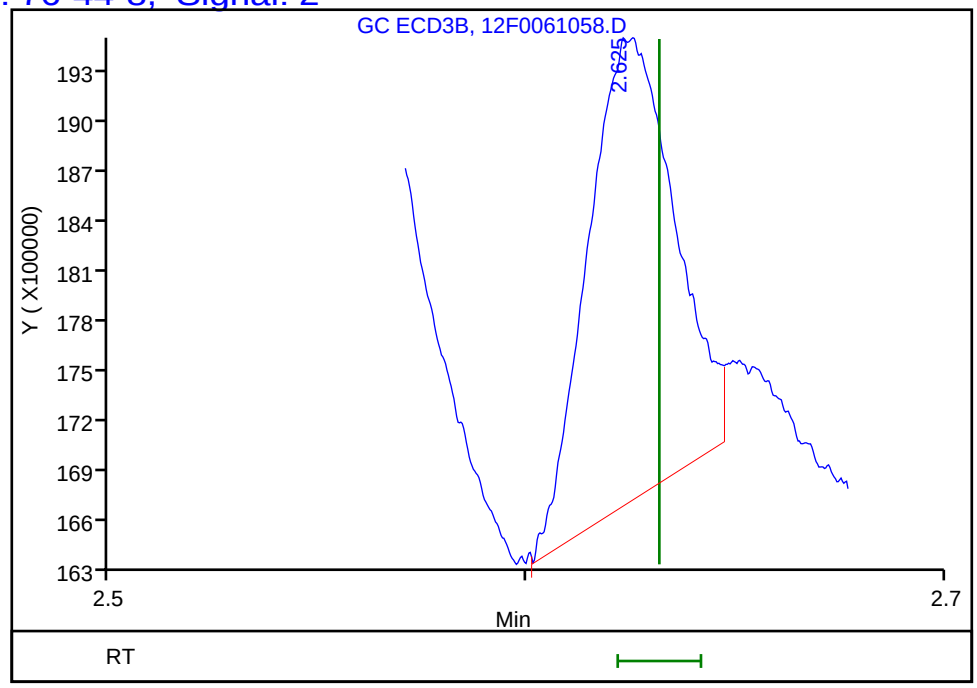
RT: 2.98
Response: 586469
Amount: 0.226101



Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.63
Response: 3982833
Amount: 1.080746



Reviewer: ESS0, 14-May-2024 05:39:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-2W-20240508-1.7-7.4 | Lab Sample ID: 460-303610-4

Matrix: Solid (TCLP) | Lab File ID: 12F0061058.D

Analysis Method: 8081B | Date Collected: 05/08/2024 10:10

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 05:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.055	U	5.0	0.055
72-20-8	Endrin	0.0040	U	0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.012	U	0.50	0.012
76-44-8	Heptachlor	0.0030	U	0.50	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.50	0.0050
72-43-5	Methoxychlor	0.0040	U	0.50	0.0040
8001-35-2	Toxaphene	0.11	U	5.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	95		10-131
877-09-8	Tetrachloro-m-xylene	77		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061058.D
Lims ID: 460-303610-E-4-D
Client ID: PL-C-2W-20240508-1.7-7.4
Sample Type: Client
Inject. Date: 14-May-2024 05:08:27 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-015
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 05:39:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.458	1.457	0.001	190327850	100.0	
2	1.434	1.435	-0.001	274767631	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.929	1.930	-0.001	141274890	71.4	
2	1.797	1.797	0.000	214064907	77.2	
					RPD = 7.78	
$ 24 DCB Decachlorobiphenyl						
1	8.154	8.157	-0.003	168405769	79.7	
2	7.314	7.314	0.000	292635940	95.3	
					RPD = 17.74	

Reagents:

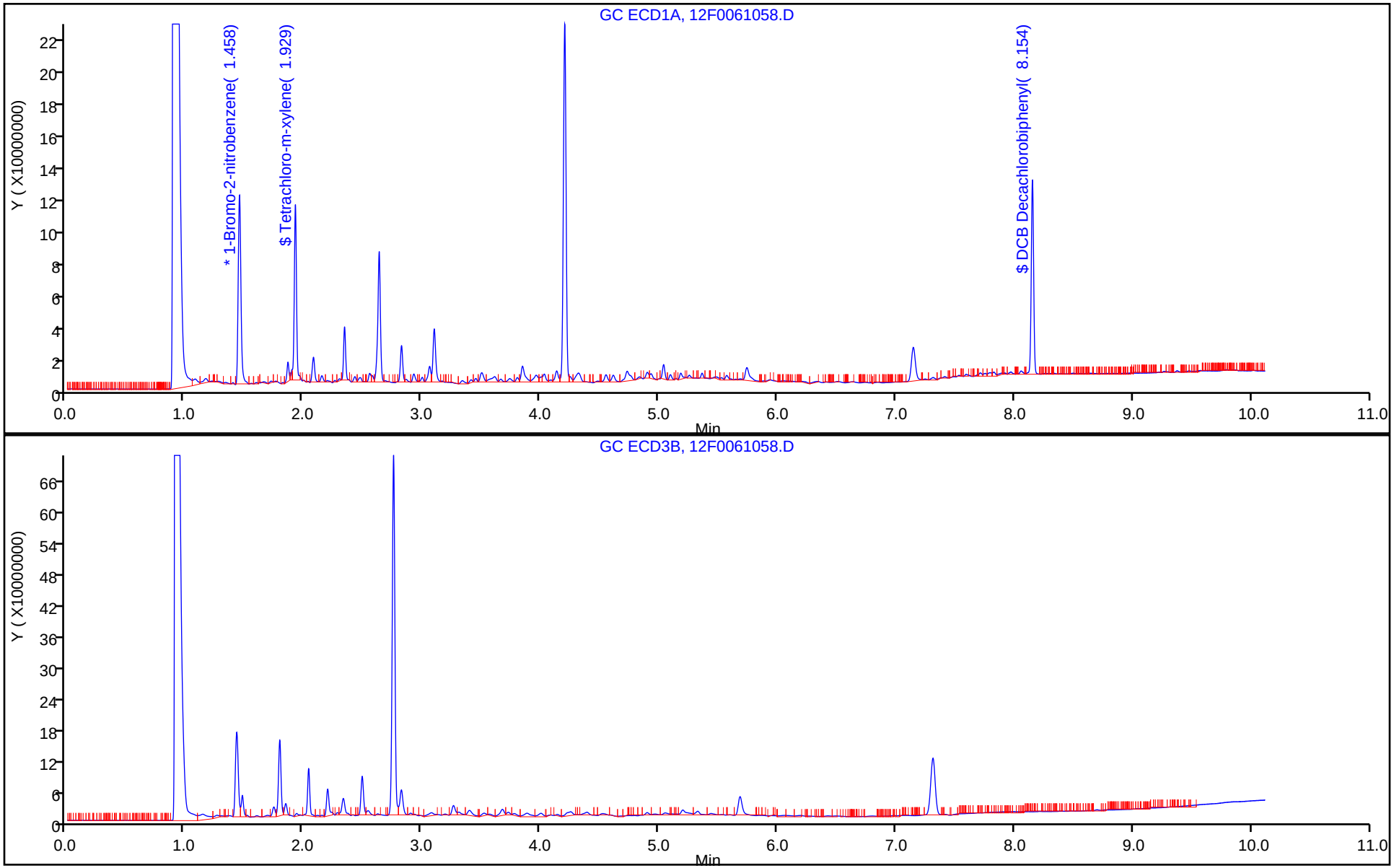
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-May-2024 13:19:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061058.D

Injection Date:	14-May-2024 05:08:27	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-4-D	Lab Sample ID:	460-303610-4	Worklist Smp#:	15
Client ID:	PL-C-2W-20240508-1.7-7.4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 16-May-2024 13:19:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061058.D				
Lims ID:	460-303610-E-4-D				
Client ID:	PL-C-2W-20240508-1.7-7.4				
Sample Type:	Client				
Inject. Date:	14-May-2024 05:08:27	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-015				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 06:50:49	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer:	ESS0	Date:	14-May-2024 05:39:38		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	71.4	71.44
$ 24 DCB Decachlorobiphenyl	100.0	79.7	79.75

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	77.2	77.22
$ 24 DCB Decachlorobiphenyl	100.0	95.3	95.28

User Disabled Compound Report

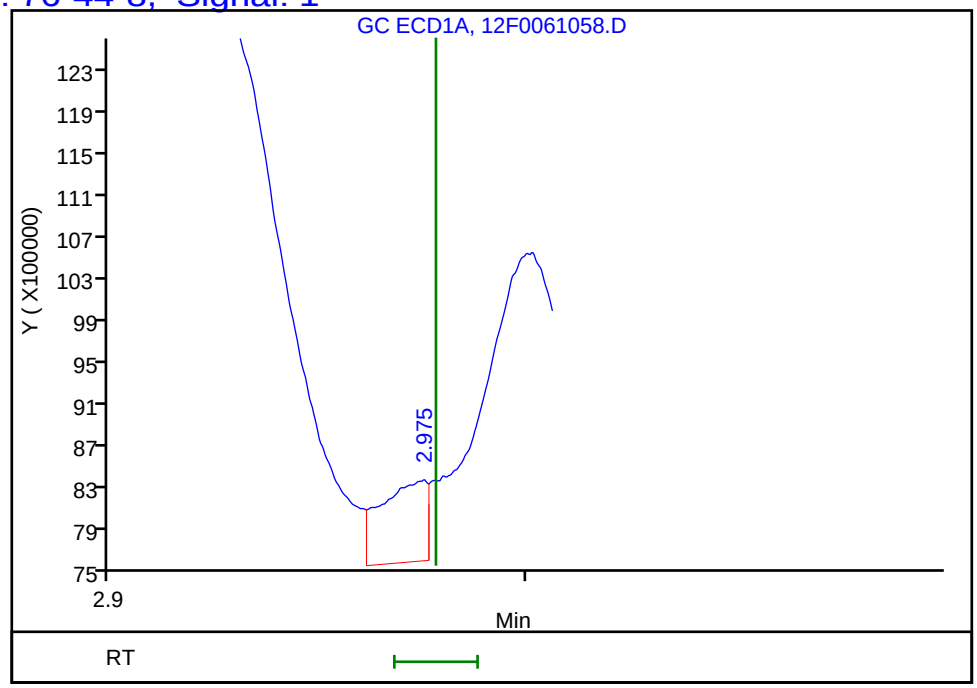
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061058.D
Injection Date: 14-May-2024 05:08:27 Instrument ID: CPESTGC12
Lims ID: 460-303610-E-4-D Lab Sample ID: 460-303610-4
Client ID: PL-C-2W-20240508-1.7-7.4
Operator ID: ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

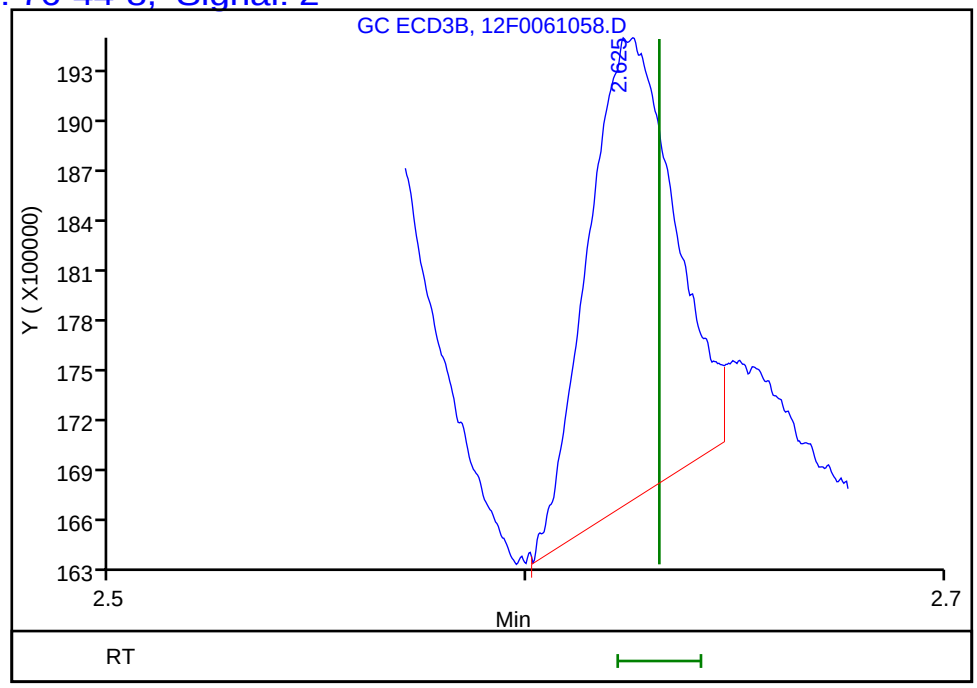
RT: 2.98
Response: 586469
Amount: 0.226101



Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.63
Response: 3982833
Amount: 1.080746



Reviewer: ESS0, 14-May-2024 05:39:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-3W-20240508-0.85-3.2 Lab Sample ID: 460-303610-5

Matrix: Solid (TCLP) Lab File ID: 12F0061059.D

Analysis Method: 8081B Date Collected: 05/08/2024 08:50

Extraction Method: 3510C Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) Date Analyzed: 05/14/2024 05:20

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 Units: ug/L

Preparation Batch No.: 974528 Instrument ID: PESTGC12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		10-131
877-09-8	Tetrachloro-m-xylene	78		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061059.D
Lims ID: 460-303610-E-5-D
Client ID: PL-C-3W-20240508-0.85-3.2
Sample Type: Client
Inject. Date: 14-May-2024 05:20:54 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-016
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 06:08:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.457	1.457	0.000	190398432	100.0	
2	1.434	1.435	-0.001	291018823	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.930	1.930	0.000	153902740	77.8	
2	1.797	1.797	0.000	228010396	77.7	
					RPD = 0.18	
$ 24 DCB Decachlorobiphenyl						
1	8.155	8.157	-0.002	202444521	95.8	
2	7.313	7.314	-0.001	317900976	97.7	
					RPD = 1.95	

QC Flag Legend
Processing Flags

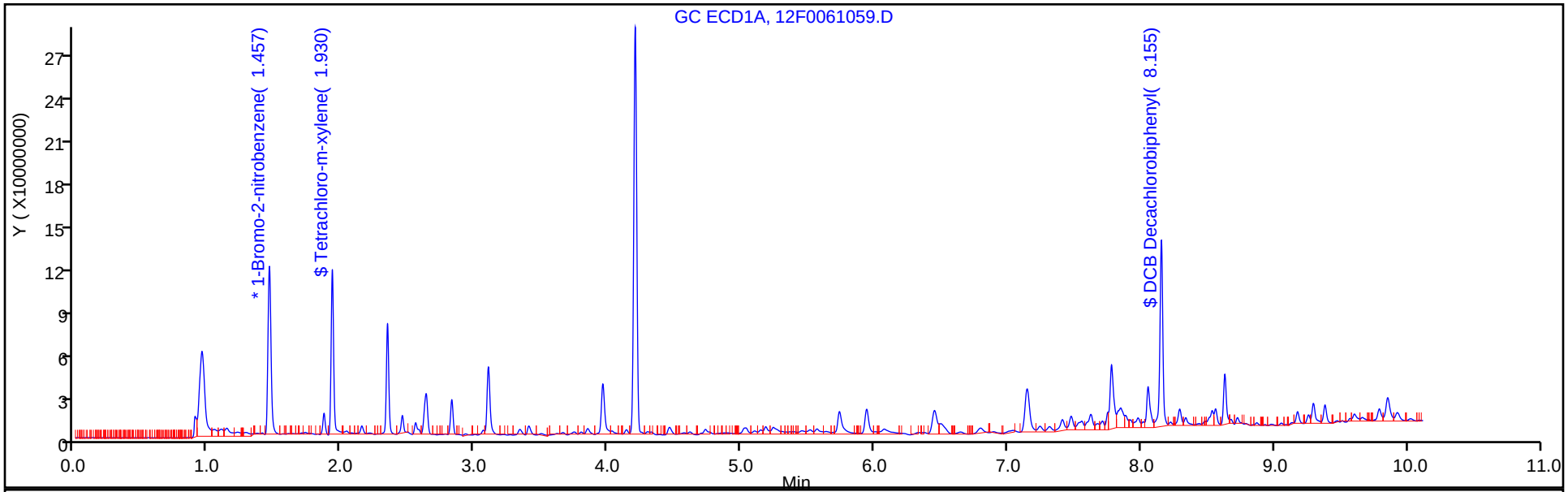
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

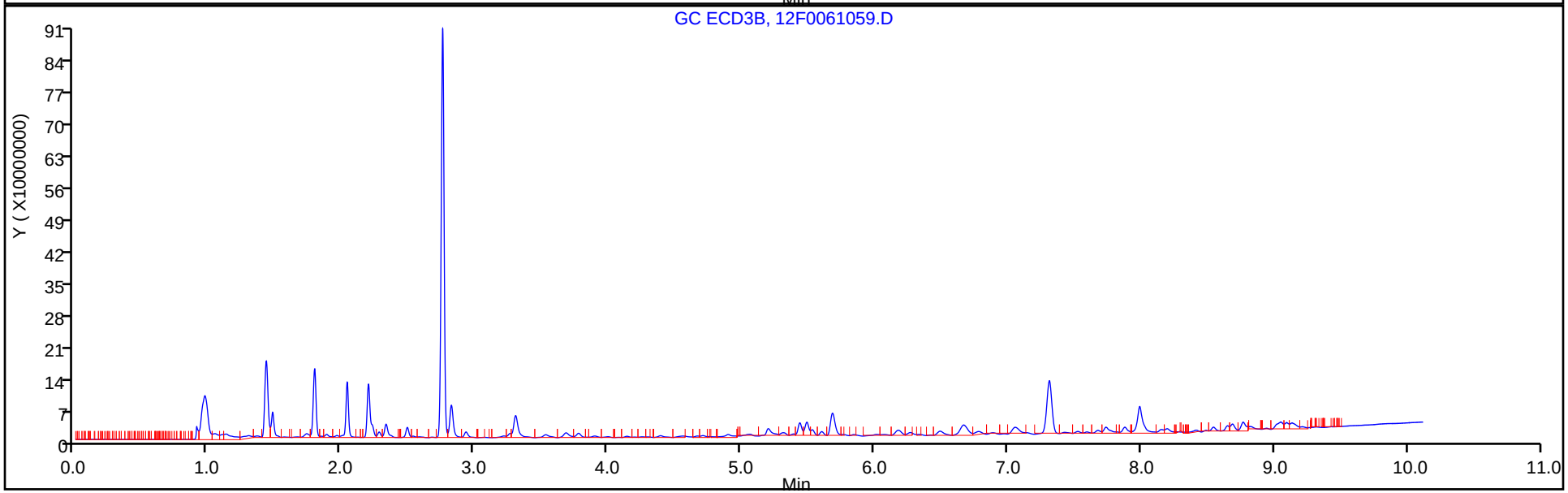
Report Date: 16-May-2024 13:19:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061059.D

Injection Date:	14-May-2024 05:20:54	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-5-D	Lab Sample ID:	460-303610-5	Worklist Smp#:	16
Client ID:	PL-C-3W-20240508-0.85-3.2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 16-May-2024 13:19:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061059.D				
Lims ID:	460-303610-E-5-D				
Client ID:	PL-C-3W-20240508-0.85-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 05:20:54	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-016				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 06:50:49	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer:	ESS0	Date:	14-May-2024 06:08:11		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	77.8	77.80
$ 24 DCB Decachlorobiphenyl	100.0	95.8	95.83

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	77.7	77.66
$ 24 DCB Decachlorobiphenyl	100.0	97.7	97.72

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-3W-20240508-0.85-3.2 | Lab Sample ID: 460-303610-5

Matrix: Solid (TCLP) | Lab File ID: 12F0061059.D

Analysis Method: 8081B | Date Collected: 05/08/2024 08:50

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 05:20

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.055	U	5.0	0.055
72-20-8	Endrin	0.0040	U	0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.012	U	0.50	0.012
76-44-8	Heptachlor	0.0030	U	0.50	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.50	0.0050
72-43-5	Methoxychlor	0.0040	U	0.50	0.0040
8001-35-2	Toxaphene	0.11	U	5.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		10-131
877-09-8	Tetrachloro-m-xylene	78		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061059.D
Lims ID: 460-303610-E-5-D
Client ID: PL-C-3W-20240508-0.85-3.2
Sample Type: Client
Inject. Date: 14-May-2024 05:20:54 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-016
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 06:50:49 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: ESS0 Date: 14-May-2024 06:08:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.457	1.457	0.000	190398432	100.0	
2	1.434	1.435	-0.001	291018823	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	1.930	1.930	0.000	153902740	77.8	
2	1.797	1.797	0.000	228010396	77.7	
					RPD = 0.18	
$ 24 DCB Decachlorobiphenyl						
1	8.155	8.157	-0.002	202444521	95.8	
2	7.313	7.314	-0.001	317900976	97.7	
					RPD = 1.95	

QC Flag Legend
Processing Flags

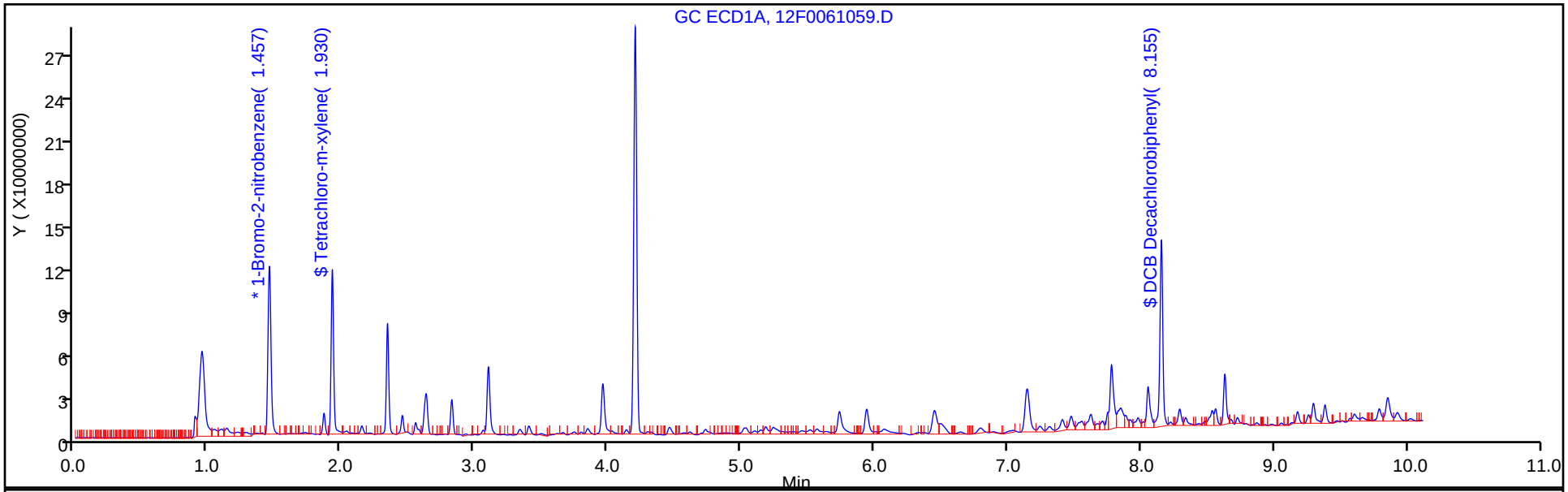
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

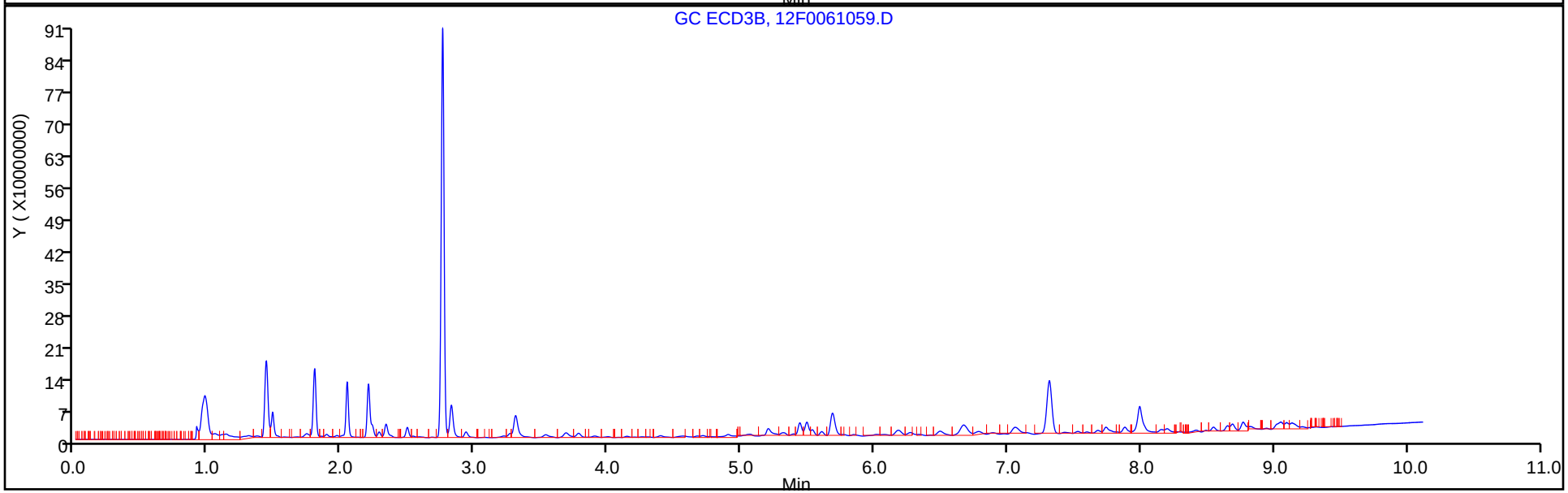
Report Date: 16-May-2024 13:19:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061059.D

Injection Date:	14-May-2024 05:20:54	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-303610-E-5-D	Lab Sample ID:	460-303610-5	Worklist Smp#:	16
Client ID:	PL-C-3W-20240508-0.85-3.2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 16-May-2024 13:19:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061059.D				
Lims ID:	460-303610-E-5-D				
Client ID:	PL-C-3W-20240508-0.85-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 05:20:54	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-016				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 06:50:49	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer:	ESS0	Date:	14-May-2024 06:08:11		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	77.8	77.80
$ 24 DCB Decachlorobiphenyl	100.0	95.8	95.83

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	77.7	77.66
$ 24 DCB Decachlorobiphenyl	100.0	97.7	97.72

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967880

SDG No.:

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2024 08:38 Calibration End Date: 04/05/2024 09:27 Calibration ID: 96518

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-967880/4	12F0059955.D
Level 2	IC 460-967880/5	12F0059956.D
Level 3	ICIS 460-967880/3	12F0059954.D
Level 4	IC 460-967880/6	12F0059957.D
Level 5	IC 460-967880/7	12F0059958.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
alpha-BHC	1.4321	1.4481	1.6545	1.4267	1.5229	Ave		1.4968				6.4		20.0			
gamma-BHC (Lindane)	1.3098	1.3116	1.5018	1.2606	1.3514	Ave		1.3470				6.9		20.0			
beta-BHC	0.6639	0.5716	0.6452	0.5181	0.5435	Ave		0.5885				10.8		20.0			
delta-BHC	1.2922	1.2302	1.4399	1.1892	1.2948	Ave		1.2893				7.4		20.0			
Heptachlor	1.4300	1.3324	1.4997	1.2448	1.3073	Ave		1.3628				7.4		20.0			
Aldrin	1.4116	1.3958	1.5692	1.3185	1.3792	Ave		1.4149				6.6		20.0			
Heptachlor epoxide	1.3334	1.1827	1.3222	1.0918	1.1399	Ave		1.2140				9.0		20.0			
trans-Chlordane	1.3171	1.1922	1.3439	1.1312	1.2005	Ave		1.2370				7.3		20.0			
cis-Chlordane	1.2829	1.1526	1.2947	1.0546	1.1506	Ave		1.1871				8.5		20.0			
Endosulfan I	1.1884	1.0976	1.2375	1.0011	1.0509	Ave		1.1151				8.7		20.0			
4,4'-DDE	1.2951	1.2404	1.3974	1.1784	1.2585	Ave		1.2740				6.3		20.0			
Dieldrin	1.3720	1.2844	1.4425	1.2030	1.2744	Ave		1.3153				7.1		20.0			
Endrin	1.2964	1.2031	1.3417	1.1148	1.1884	Ave		1.2289				7.3		20.0			
4,4'-DDD	1.1209	1.0604	1.1860	0.9956	1.0957	Ave		1.0917				6.5		20.0			
Endosulfan II	1.2561	1.0924	1.2342	0.9995	0.8521	Ave		1.0869				15.5		20.0			
4,4'-DDT	1.0873	1.0494	1.1957	1.0118	1.0855	Ave		1.0859				6.3		20.0			
Endrin aldehyde	0.9092	0.7893	0.8753	0.7253	0.7614	Ave		0.8121				9.5		20.0			
Endosulfan sulfate	1.1003	0.9755	1.1078	0.9092	0.9586	Ave		1.0103				8.8		20.0			
Methoxychlor	0.7232	0.5867	0.6512	0.5281	0.5515	Ave		0.6081				13.0		20.0			
Mirex	1.0502	0.8717	0.9797	0.7706	0.8330	Ave		0.9010				12.5		20.0			
Endrin ketone	1.0973	1.0015	1.1338	0.9321	1.0244	Ave		1.0378				7.7		20.0			
Tetrachloro-m-xylene	1.1369	0.9570	1.1429	0.9766	0.9816	Ave		1.0390				8.9		20.0			
DCB Decachlorobiphenyl	1.2920	1.0311	1.1845	1.0075	1.0325	Ave		1.1095				11.2		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967880

SDG No.:

Instrument ID: CPESTGC12 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2024 08:38 | Calibration End Date: 04/05/2024 09:27 | Calibration ID: 96518

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-967880/4	12F0059955.D
Level 2	IC 460-967880/5	12F0059956.D
Level 3	ICIS 460-967880/3	12F0059954.D
Level 4	IC 460-967880/6	12F0059957.D
Level 5	IC 460-967880/7	12F0059958.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	6938928	163349581	308485845	862801245	1607527377	2.50	50.0	100	250	500
gamma-BHC (Lindane)	BNB	Ave	6346430	147954342	280024777	762357308	1426514921	2.50	50.0	100	250	500
beta-BHC	BNB	Ave	3216813	64480718	120301294	313332941	573741667	2.50	50.0	100	250	500
delta-BHC	BNB	Ave	6261208	138771962	268475248	719218389	1366730836	2.50	50.0	100	250	500
Heptachlor	BNB	Ave	6928756	150294263	279617329	752833526	1379974009	2.50	50.0	100	250	500
Aldrin	BNB	Ave	6839730	157456637	292591398	797379317	1455843377	2.50	50.0	100	250	500
Heptachlor epoxide	BNB	Ave	6460611	133416776	246535738	660284264	1203231995	2.50	50.0	100	250	500
trans-Chlordane	BNB	Ave	6382063	134487662	250582274	684131792	1267219585	2.50	50.0	100	250	500
cis-Chlordane	BNB	Ave	6216292	130022958	241394802	637783733	1214508526	2.50	50.0	100	250	500
Endosulfan I	BNB	Ave	5758479	123813192	230737375	605420283	1109329319	2.50	50.0	100	250	500
4,4'-DDE	BNB	Ave	6275183	139926630	260548871	712664503	1328388842	2.50	50.0	100	250	500
Dieldrin	BNB	Ave	6647958	144887946	268956699	727508900	1345269157	2.50	50.0	100	250	500
Endrin	BNB	Ave	6281763	135713991	250160274	674219657	1254417652	2.50	50.0	100	250	500
4,4'-DDD	BNB	Ave	5431304	119622434	221135327	602078708	1156581883	2.50	50.0	100	250	500
Endosulfan II	BNB	Ave	6086409	123229656	230120253	604439636	899502085	2.50	50.0	100	250	500
4,4'-DDT	BNB	Ave	5268246	118380348	222942128	611909671	1145773877	2.50	50.0	100	250	500
Endrin aldehyde	BNB	Ave	4405255	89039444	163206965	438662398	803720385	2.50	50.0	100	250	500
Endosulfan sulfate	BNB	Ave	5331181	110034931	206559720	549833827	1011844148	2.50	50.0	100	250	500
Methoxychlor	BNB	Ave	3504012	66182260	121427489	319363892	582119969	2.50	50.0	100	250	500
Mirex	BNB	Ave	5088489	98325611	182674997	466015461	879326405	2.50	50.0	100	250	500
Endrin ketone	BNB	Ave	5316626	112967808	211408871	563692897	1081276305	2.50	50.0	100	250	500
Tetrachloro-m-xylene	BNB	Ave	13771330	107952888	213094301	354374418	414454675	6.25	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	15650241	116316253	220857121	365592147	435968886	6.25	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059954.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Apr-2024 08:38:24 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-003
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:30:53 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 05-Apr-2024 09:06:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	186453952	100.0	100.0	
2	1.441	1.441	0.000	405848735	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.942	1.942	0.000	213094301	100.0	110.0	
2	1.806	1.806	0.000	438917619	100.0	107.2	
						RPD = 2.58	
15 alpha-BHC							
1	2.337	2.337	0.000	308485845	100.0	110.5	
2	2.115	2.115	0.000	633672808	100.0	97.0	
						RPD = 13.00	
2 gamma-BHC (Lindane)							M
1	2.608	2.608	0.000	280024777	100.0	111.5	M
2	2.311	2.311	0.000	581898028	100.0	103.0	
						RPD = 7.96	
6 beta-BHC							M
1	2.662	2.662	0.000	120301294	100.0	109.6	M
2	2.359	2.359	0.000	240269089	100.0	104.8	
						RPD = 4.50	
32 delta-BHC							M
1	2.932	2.932	0.000	268475248	100.0	111.7	M
2	2.486	2.486	0.000	565048116	100.0	104.8	
						RPD = 6.38	
18 Heptachlor							M
1	3.004	3.004	0.000	279617329	100.0	110.0	M
2	2.651	2.651	0.000	573010893	100.0	105.3	
						RPD = 4.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.343	3.343	0.000	292591398	100.0	110.9	
2	2.895	2.895	0.000	579920984	100.0	106.0	
						RPD = 4.54	
12 Heptachlor epoxide							
1	4.006	4.006	0.000	246535738	100.0	108.9	
2	3.463	3.463	0.000	503021219	100.0	107.0	
						RPD = 1.78	
9 trans-Chlordane							
1	4.216	4.216	0.000	250582274	100.0	108.6	
2	3.600	3.600	0.000	516722301	100.0	104.8	
						RPD = 3.61	
23 cis-Chlordane							M
1	4.394	4.394	0.000	241394802	100.0	109.1	M
2	3.750	3.750	0.000	495835672	100.0	104.6	M
						RPD = 4.22	
7 Endosulfan I							M
1	4.466	4.466	0.000	230737375	100.0	111.0	M
2	3.898	3.898	0.000	473101498	100.0	107.7	M
						RPD = 3.00	
25 4,4'-DDE							M
1	4.621	4.621	0.000	260548871	100.0	109.7	
2	3.839	3.839	0.000	533746600	100.0	106.3	M
						RPD = 3.14	
30 Dieldrin							
1	4.804	4.804	0.000	268956699	100.0	109.7	
2	4.148	4.148	0.000	538071706	100.0	107.2	
						RPD = 2.28	
20 Endrin							M
1	5.122	5.122	0.000	250160274	100.0	109.2	
2	4.407	4.407	0.000	496879130	100.0	107.4	M
						RPD = 1.65	
16 4,4'-DDD							M
1	5.246	5.246	0.000	221135327	100.0	108.6	
2	4.504	4.504	0.000	434407688	100.0	107.3	M
						RPD = 1.24	
11 Endosulfan II							
1	5.326	5.326	0.000	230120253	100.0	113.6	
2	4.675	4.675	0.000	443840395	100.0	112.9	
						RPD = 0.58	
21 4,4'-DDT							
1	5.563	5.563	0.000	222942128	100.0	110.1	
2	4.832	4.832	0.000	445023164	100.0	106.3	
						RPD = 3.50	
5 Endrin aldehyde							
1	5.677	5.677	0.000	163206965	100.0	107.8	
2	5.104	5.104	0.000	348358376	100.0	105.2	
						RPD = 2.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.010	6.010	0.000	206559720	100.0	109.7	
2	5.510	5.510	0.000	427131971	100.0	108.0	
						RPD = 1.56	
10 Methoxychlor							M
1	6.572	6.572	0.000	121427489	100.0	107.1	
2	5.326	5.326	0.000	239535202	100.0	104.7	M
						RPD = 2.30	
34 Mirex							M
1	6.724	6.724	0.000	182674997	100.0	108.7	M
2	5.399	5.399	0.000	359955469	100.0	104.3	M
						RPD = 4.14	
13 Endrin ketone							M
1	6.827	6.827	0.000	211408871	100.0	109.3	M
2	5.788	5.788	0.000	427526464	100.0	105.4	
						RPD = 3.63	
$ 24 DCB Decachlorobiphenyl							
1	8.179	8.179	0.000	220857121	100.0	106.8	
2	7.360	7.360	0.000	485422518	100.0	107.0	
						RPD = 0.22	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGPESTL3_00044	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:30:54 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

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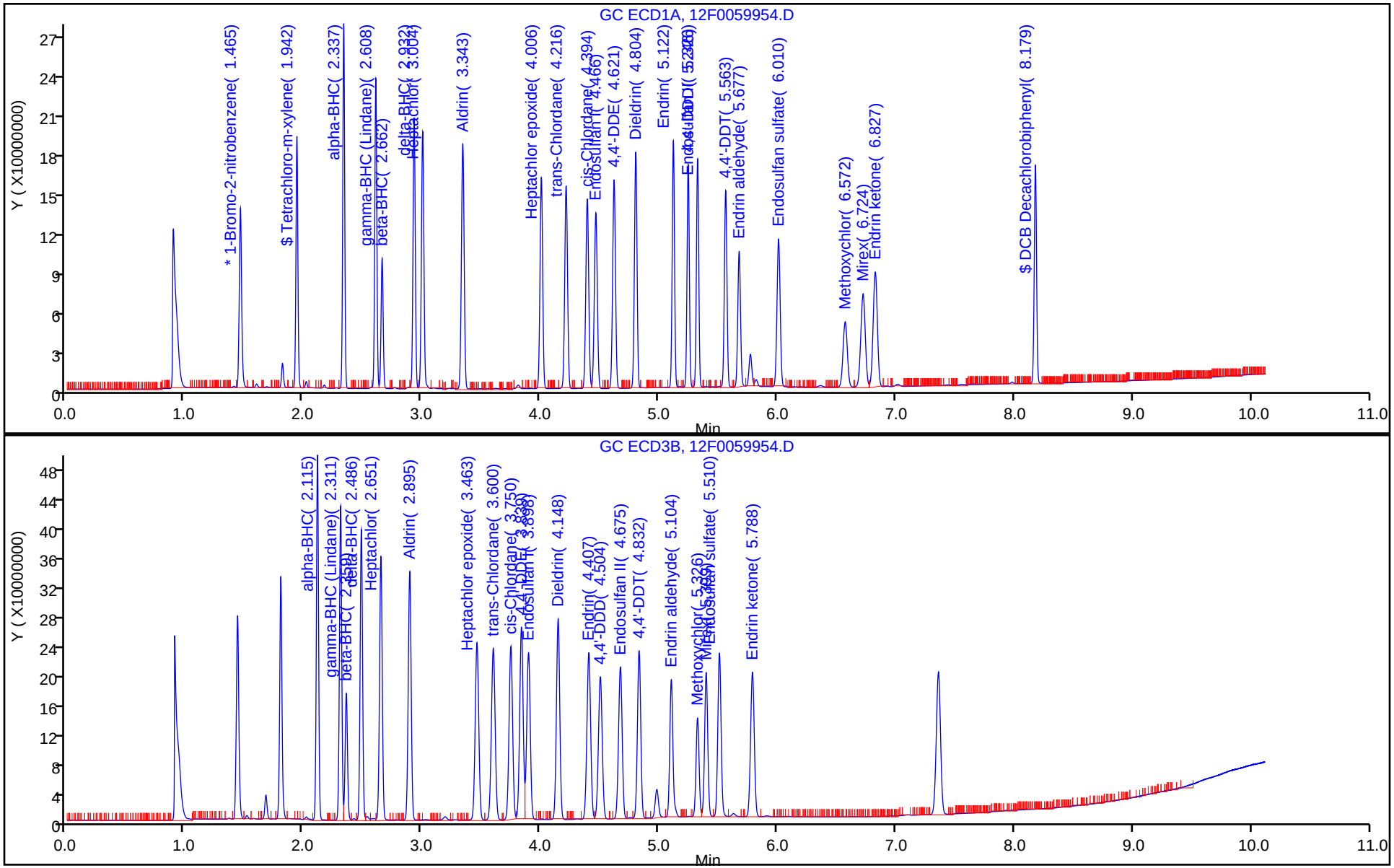
Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12 Operator ID:

Lims ID: ICIS Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: GC8081 Limit Group: GC 8081B PEST ISTD



Manual Integration/User Assign Peak Report

Eurofins Edison

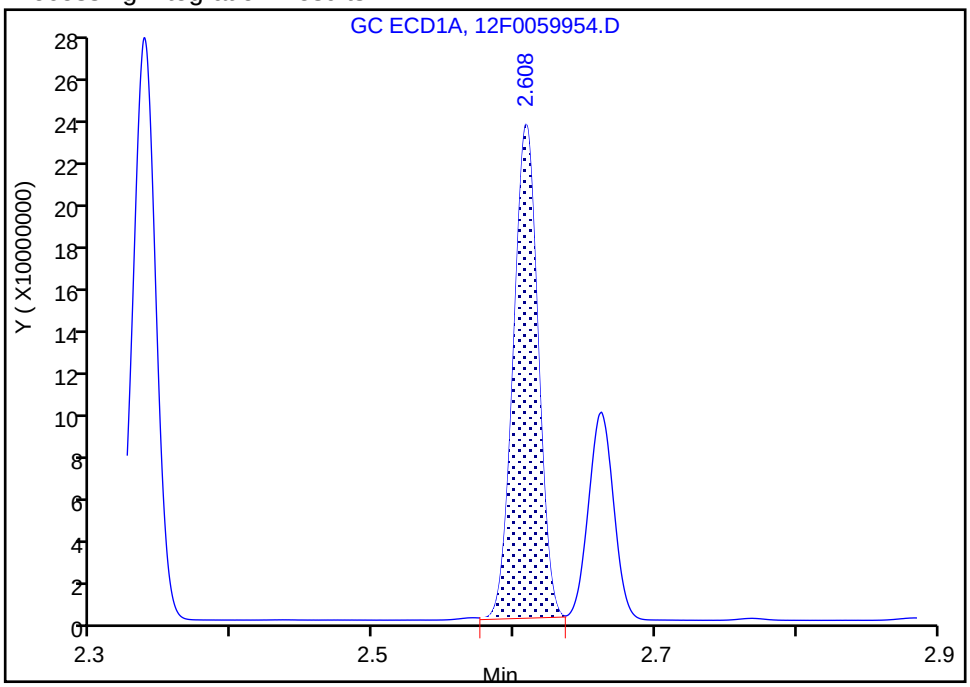
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Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

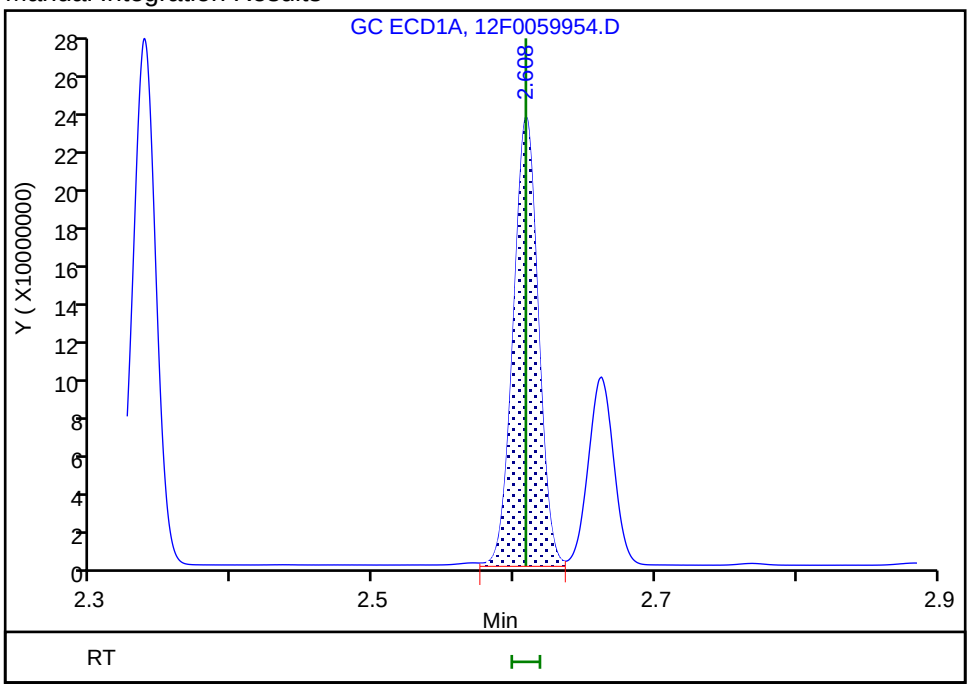
Processing Integration Results

RT: 2.61
Area: 276884609
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 280024777
Amount: 111.4916
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

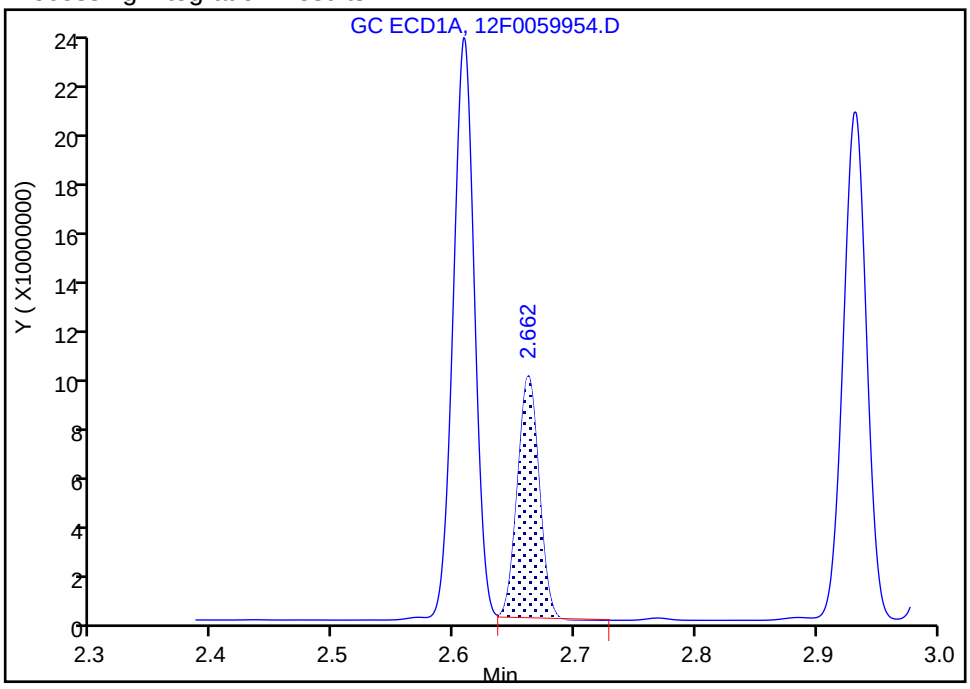
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Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

6 beta-BHC, CAS: 319-85-7

Signal: 1

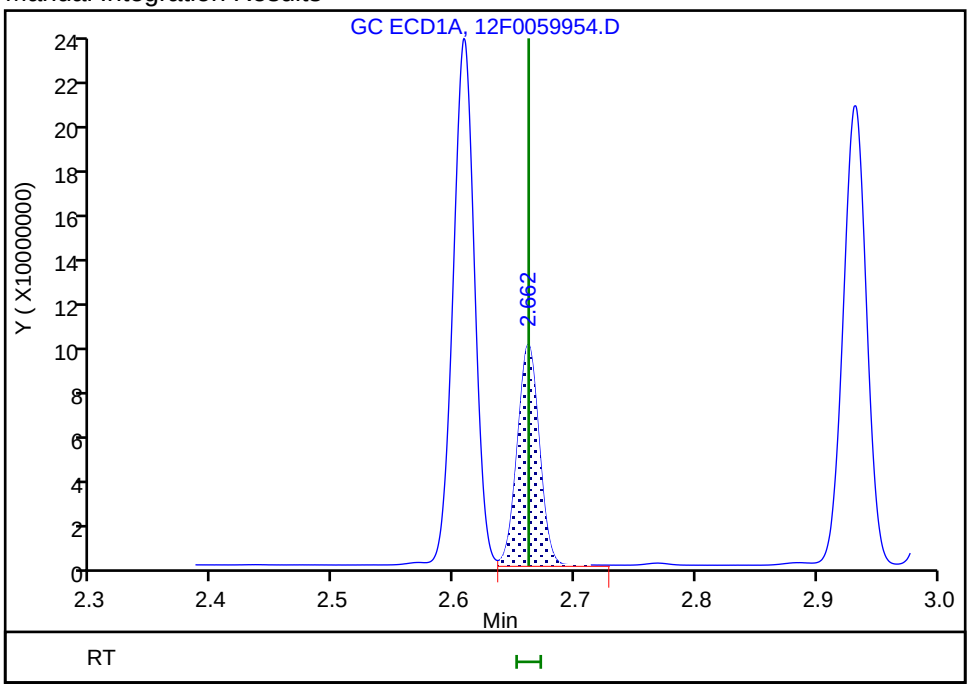
Processing Integration Results

RT: 2.66
Area: 118130031
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 2.66
Area: 120301294
Amount: 109.6411
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

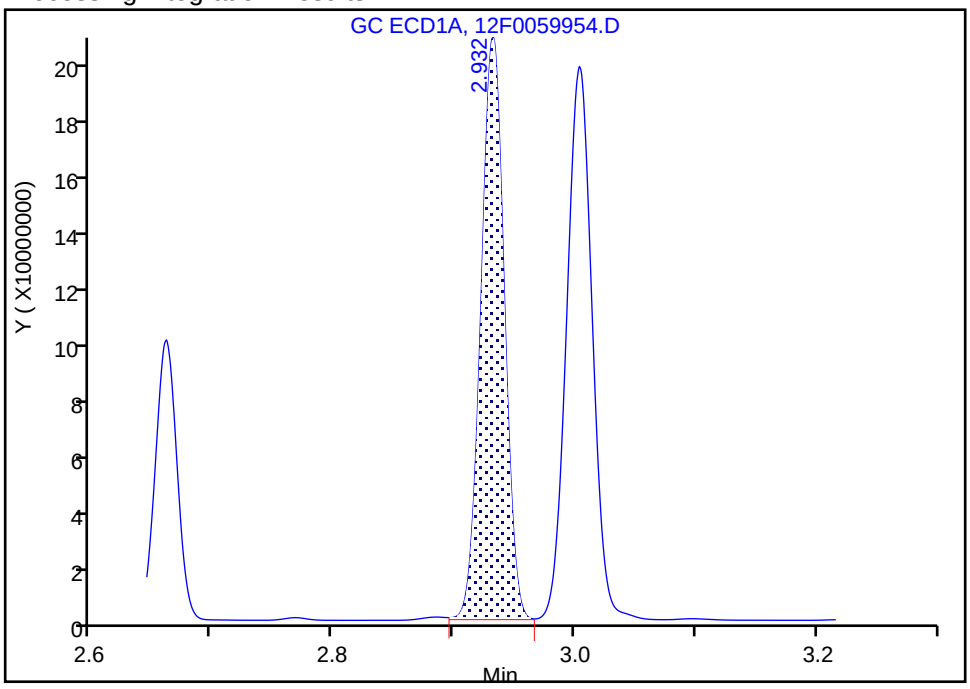
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

32 delta-BHC, CAS: 319-86-8

Signal: 1

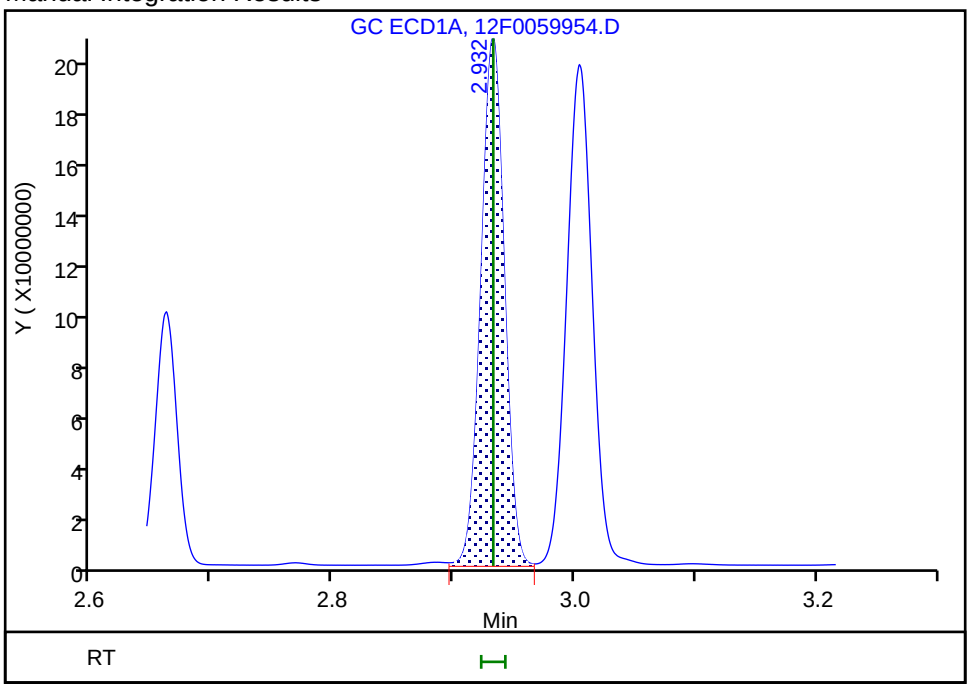
Processing Integration Results

RT: 2.93
Area: 267827535
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 2.93
Area: 268475248
Amount: 111.6838
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:29 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

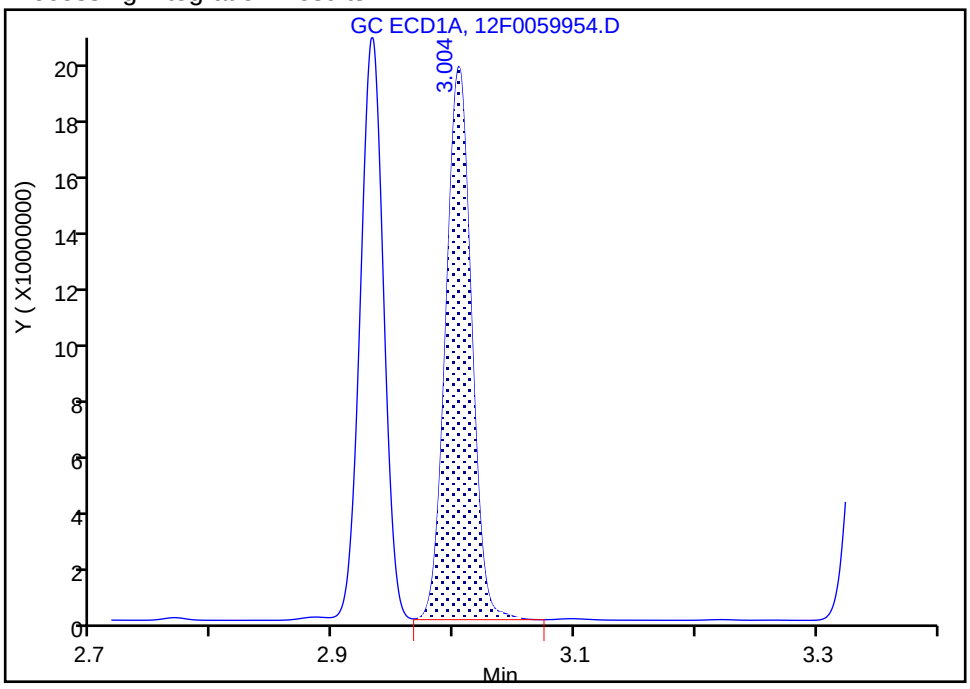
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8

Signal: 1

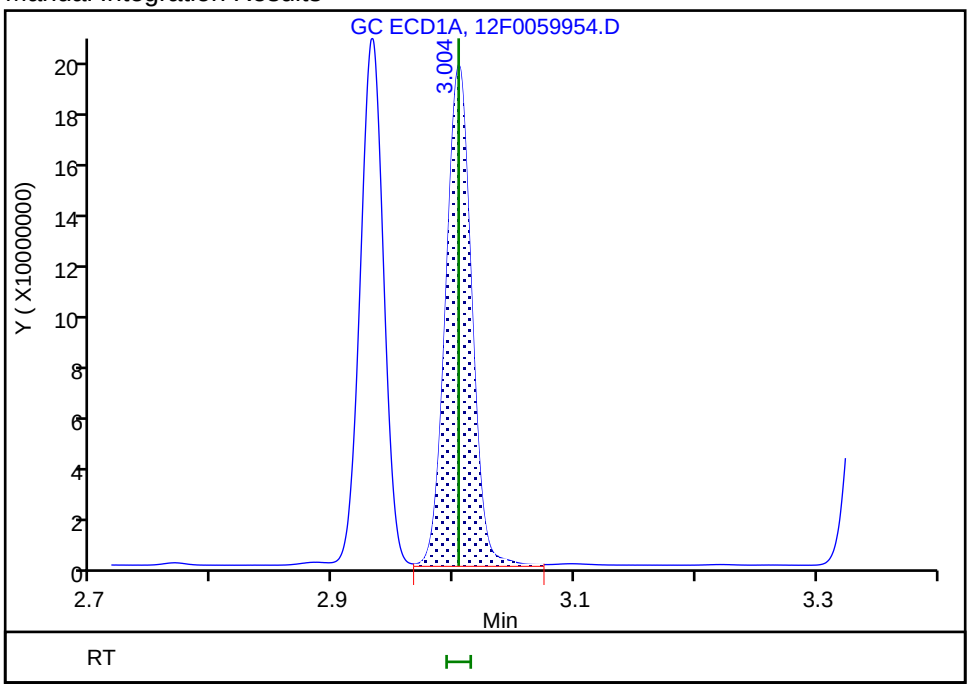
Processing Integration Results

RT: 3.00
Area: 278249971
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 279617329
Amount: 110.0403
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:29 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

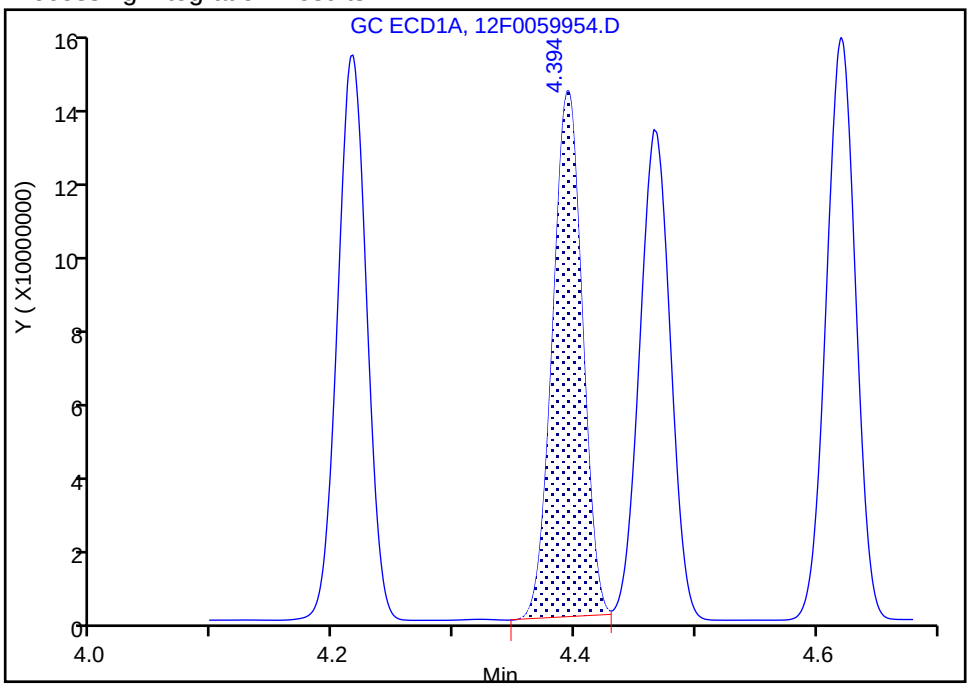
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

23 cis-Chlordane, CAS: 5103-71-9

Signal: 1

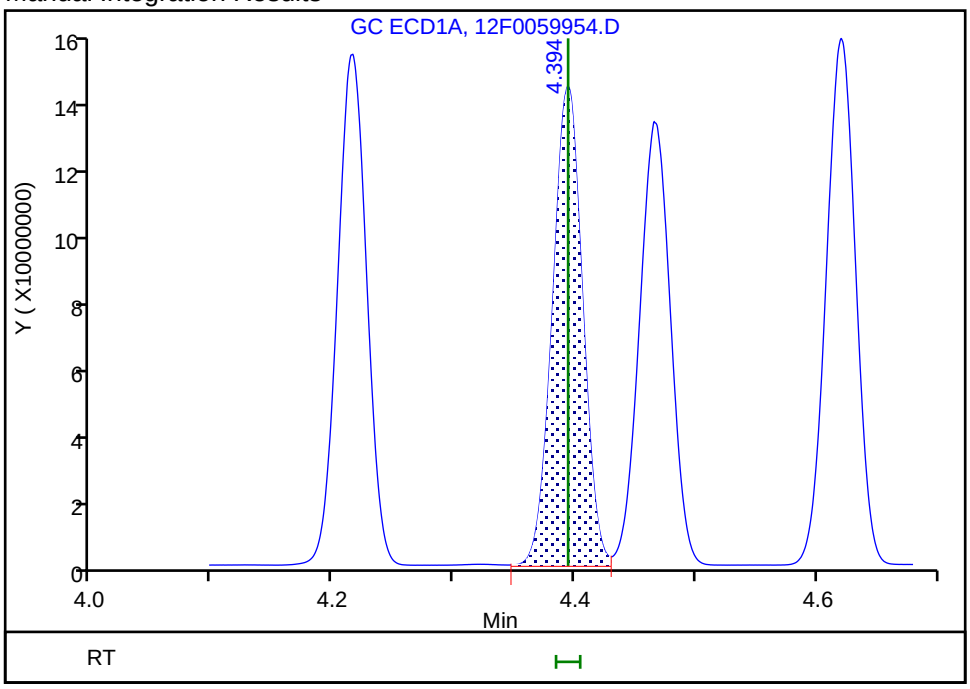
RT: 4.39
Area: 236768258
Amount: 100.0000
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 241394802
Amount: 109.0627
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:36 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

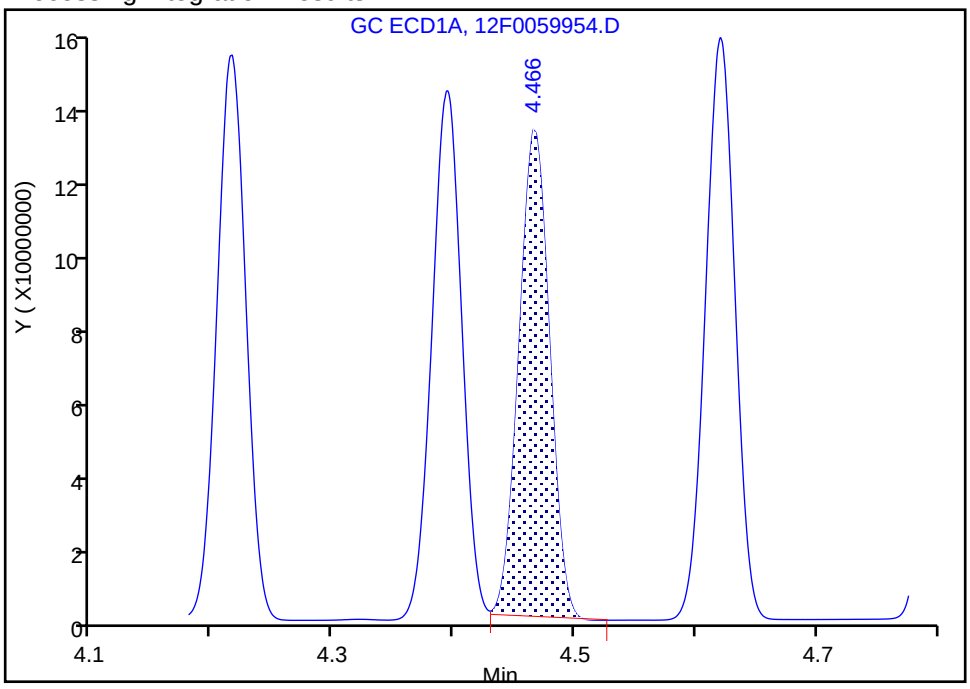
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059954.D				
Injection Date:	05-Apr-2024 08:38:24	Instrument ID:	CPESTGC12		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

7 Endosulfan I, CAS: 959-98-8

Signal: 1

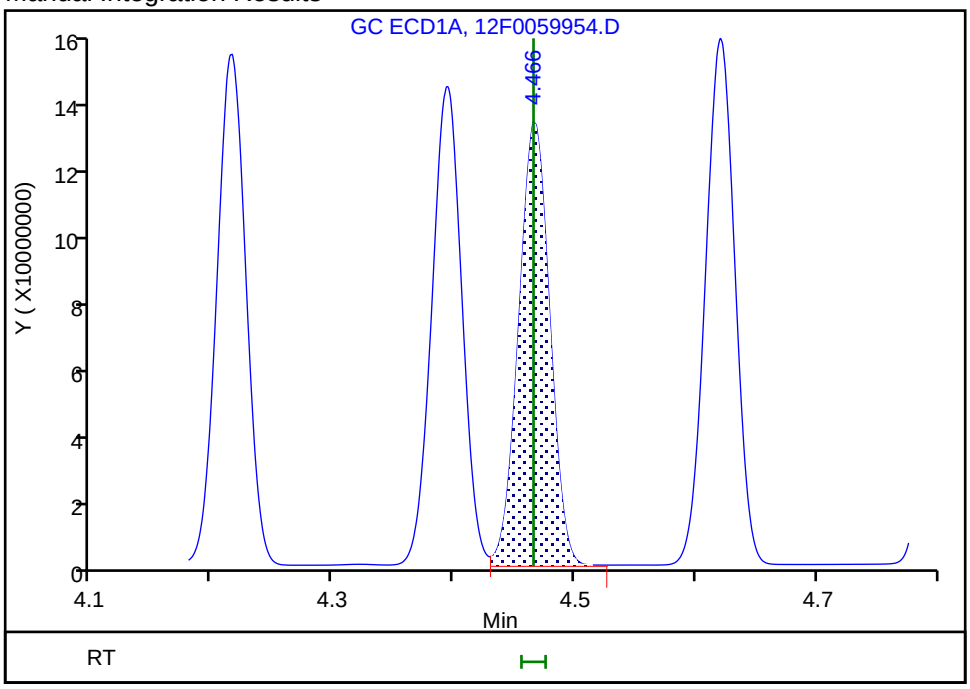
Processing Integration Results

RT: 4.47
Area: 225991296
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.47
Area: 230737375
Amount: 110.9759
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:36 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

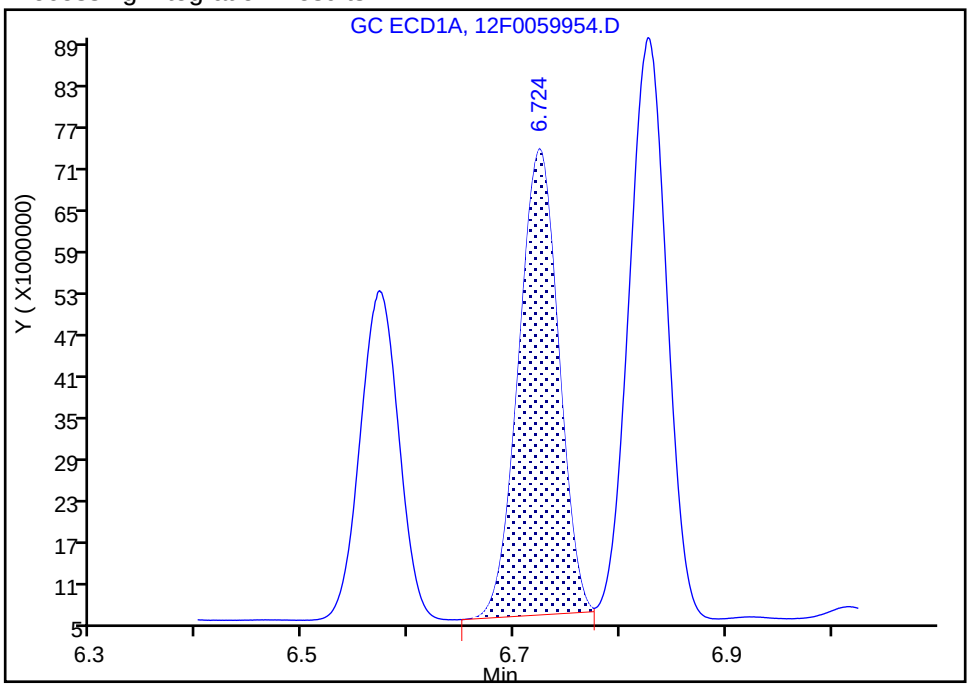
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059954.D
Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

34 Mirex, CAS: 2385-85-5

Signal: 1

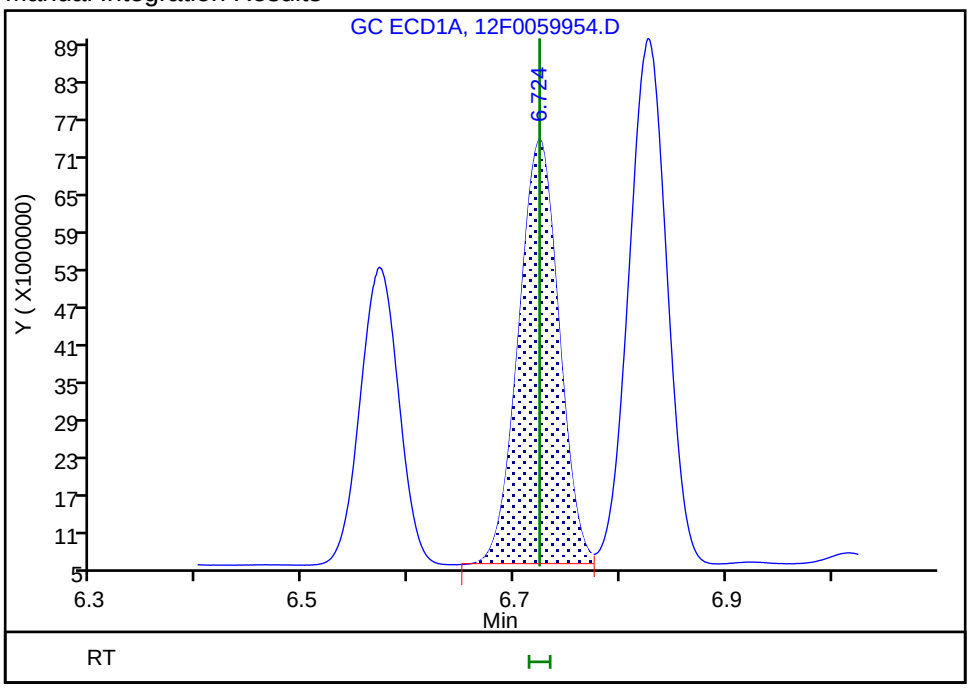
Processing Integration Results

RT: 6.72
Area: 178119328
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.72
Area: 182674997
Amount: 108.7345
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:39 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

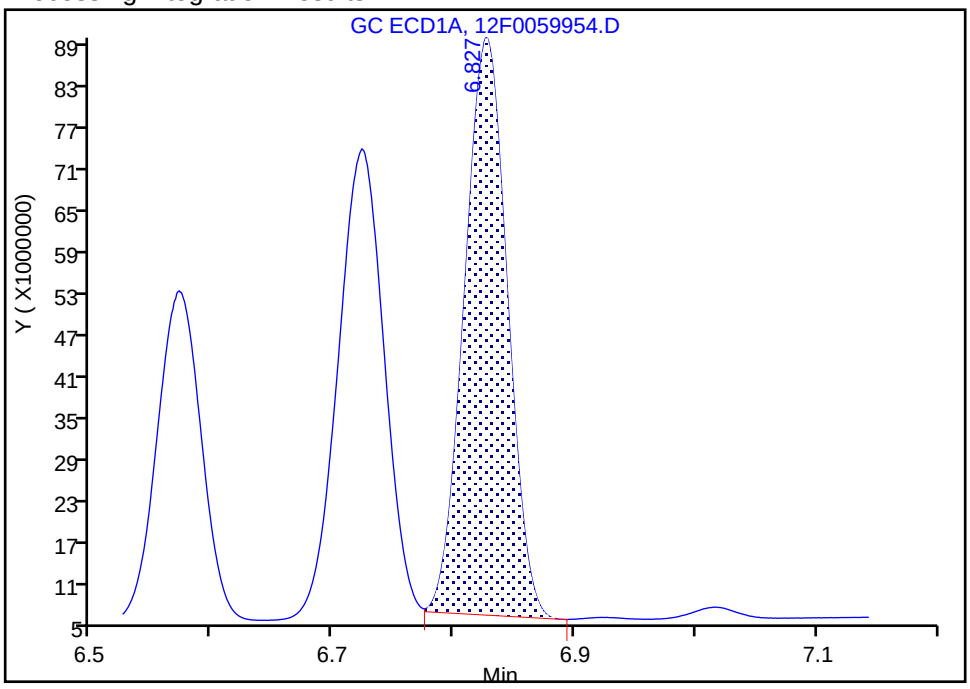
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059954.D
Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

13 Endrin ketone, CAS: 53494-70-5

Signal: 1

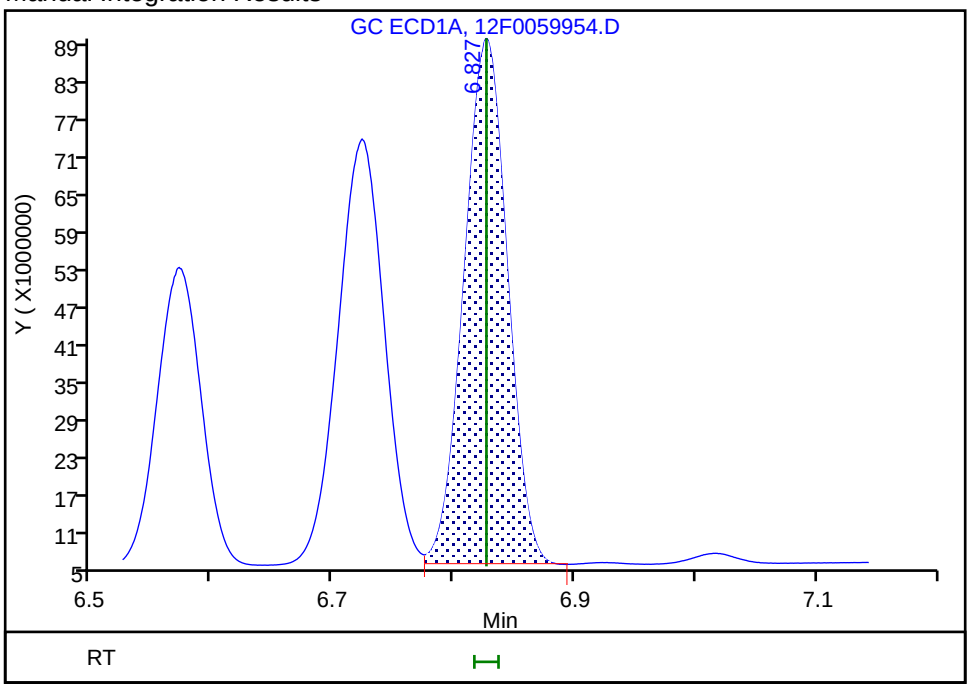
Processing Integration Results

RT: 6.83
Area: 207279633
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.83
Area: 211408871
Amount: 109.2546
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:39 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059955.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Apr-2024 08:50:44 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-004
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:31:03 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 05-Apr-2024 09:14:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	193815746	100.0	100.0	
2	1.441	1.441	0.000	421171145	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.941	1.942	-0.001	13771330	6.25	6.84	
2	1.805	1.806	-0.001	26657686	6.25	6.27	
						RPD = 8.61	
15 alpha-BHC							
1	2.337	2.337	0.000	6938928	2.50	2.39	
2	2.116	2.115	0.001	13569923	2.50	24.3	
						RPD = 164.21	
2 gamma-BHC (Lindane)							M
1	2.608	2.608	0.000	6346430	2.50	2.43	
2	2.310	2.311	-0.001	12581531	2.50	2.15	M
						RPD = 12.49	
6 beta-BHC							M
1	2.661	2.662	-0.001	3216813	2.50	2.82	
2	2.358	2.359	-0.001	6203308	2.50	2.61	M
						RPD = 7.83	
32 delta-BHC							
1	2.931	2.932	-0.001	6261208	2.50	2.51	
2	2.486	2.486	0.000	12078327	2.50	2.16	
						RPD = 14.89	
18 Heptachlor							
1	3.003	3.004	-0.001	6928756	2.50	2.62	
2	2.652	2.651	0.001	13509144	2.50	2.39	
						RPD = 9.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.342	3.343	-0.001	6839730	2.50	2.49	
2	2.894	2.895	-0.001	12827151	2.50	2.26	
						RPD = 9.89	
12 Heptachlor epoxide							
1	4.006	4.006	0.000	6460611	2.50	2.75	
2	3.462	3.463	-0.001	12620770	2.50	2.59	
						RPD = 5.96	
9 trans-Chlordane							
1	4.215	4.216	-0.001	6382063	2.50	2.66	
2	3.600	3.600	0.000	12767692	2.50	2.49	
						RPD = 6.47	
23 cis-Chlordane							
1	4.394	4.394	0.000	6216292	2.50	2.70	
2	3.748	3.750	-0.002	12653823	2.50	2.57	
						RPD = 4.96	
7 Endosulfan I							
1	4.467	4.466	0.001	5758479	2.50	2.66	
2	3.897	3.898	-0.001	11817533	2.50	2.59	
						RPD = 2.74	
25 4,4'-DDE							
1	4.620	4.621	-0.001	6275183	2.50	2.54	
2	3.838	3.839	-0.001	12417858	2.50	2.38	
						RPD = 6.43	
30 Dieldrin							
1	4.803	4.804	-0.001	6647958	2.50	2.61	
2	4.148	4.148	0.000	12541136	2.50	2.41	
						RPD = 7.98	
20 Endrin							M
1	5.121	5.122	-0.001	6281763	2.50	2.64	M
2	4.406	4.407	-0.001	11447602	2.50	2.38	
						RPD = 10.08	
16 4,4'-DDD							M
1	5.246	5.246	0.000	5431304	2.50	2.57	M
2	4.504	4.504	0.000	9656802	2.50	2.30	
						RPD = 11.03	
11 Endosulfan II							M
1	5.325	5.326	-0.001	6086409	2.50	2.89	M
2	4.674	4.675	-0.001	10736654	2.50	2.63	
						RPD = 9.34	
21 4,4'-DDT							
1	5.563	5.563	0.000	5268246	2.50	2.50	
2	4.832	4.832	0.000	9903078	2.50	2.28	
						RPD = 9.33	
5 Endrin aldehyde							M
1	5.676	5.677	-0.001	4405255	2.50	2.80	
2	5.104	5.104	0.000	8902260	2.50	2.59	M
						RPD = 7.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							M
1	6.009	6.010	-0.001	5331181	2.50	2.72	
2	5.512	5.510	0.002	9926754	2.50	2.42	M
						RPD = 11.87	
10 Methoxychlor							M
1	6.571	6.572	-0.001	3504012	2.50	2.97	
2	5.327	5.326	0.001	6993774	2.50	2.94	M
						RPD = 0.96	
34 Mirex							M
1	6.721	6.724	-0.003	5088489	2.50	2.91	
2	5.399	5.399	0.000	9942376	2.50	2.78	M
						RPD = 4.81	
13 Endrin ketone							M
1	6.826	6.827	-0.001	5316626	2.50	2.64	
2	5.790	5.788	0.002	10186393	2.50	2.42	M
						RPD = 8.86	
$ 24 DCB Decachlorobiphenyl							
1	8.179	8.179	0.000	15650241	6.25	7.28	
2	7.360	7.360	0.000	31188270	6.25	6.62	
						RPD = 9.40	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGPESTL1_00035	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:31:04 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059955.D

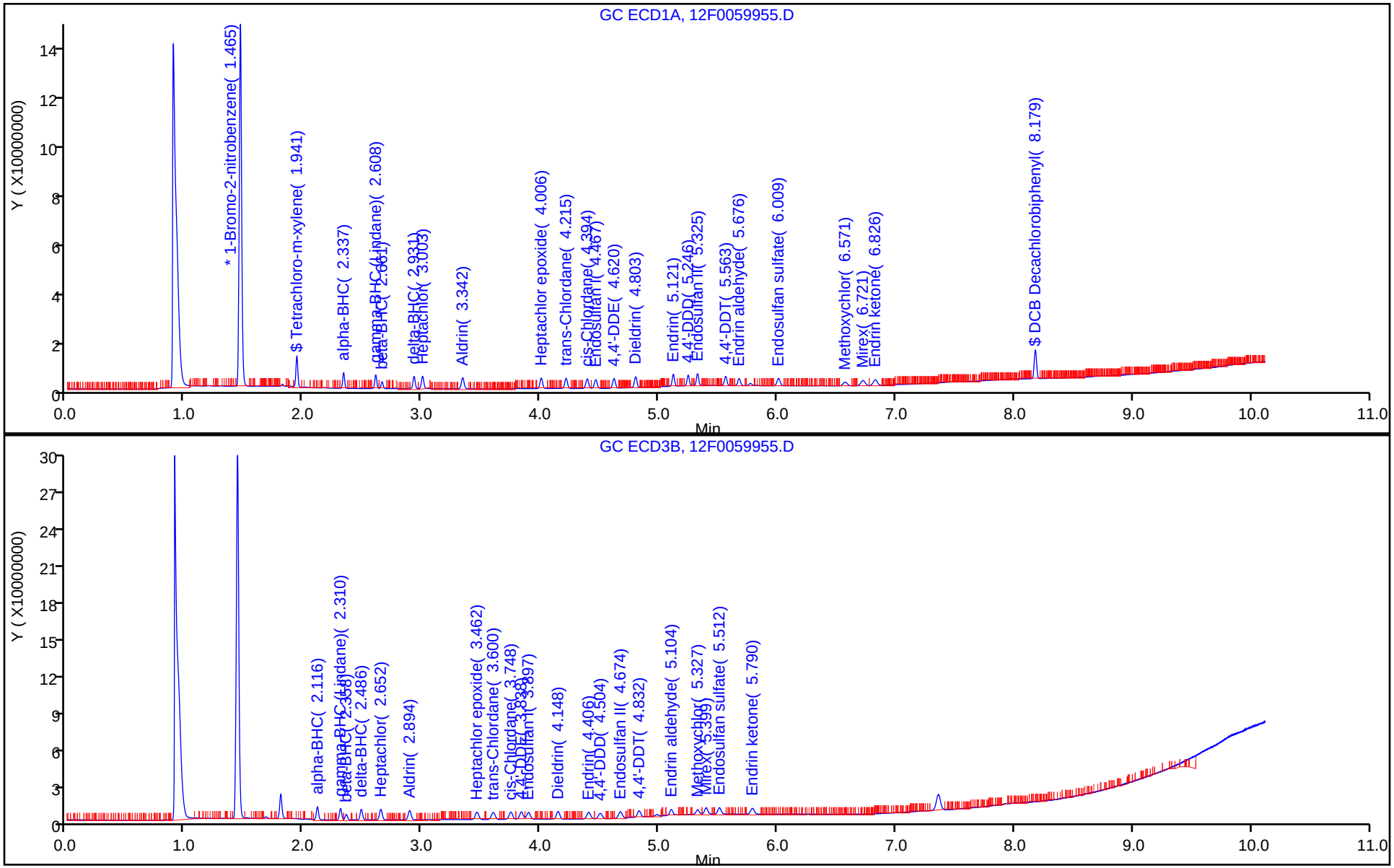
Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12 Operator ID:

Lims ID: IC Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: GC8081 Limit Group: GC 8081B PEST ISTD



Manual Integration/User Assign Peak Report

Eurofins Edison

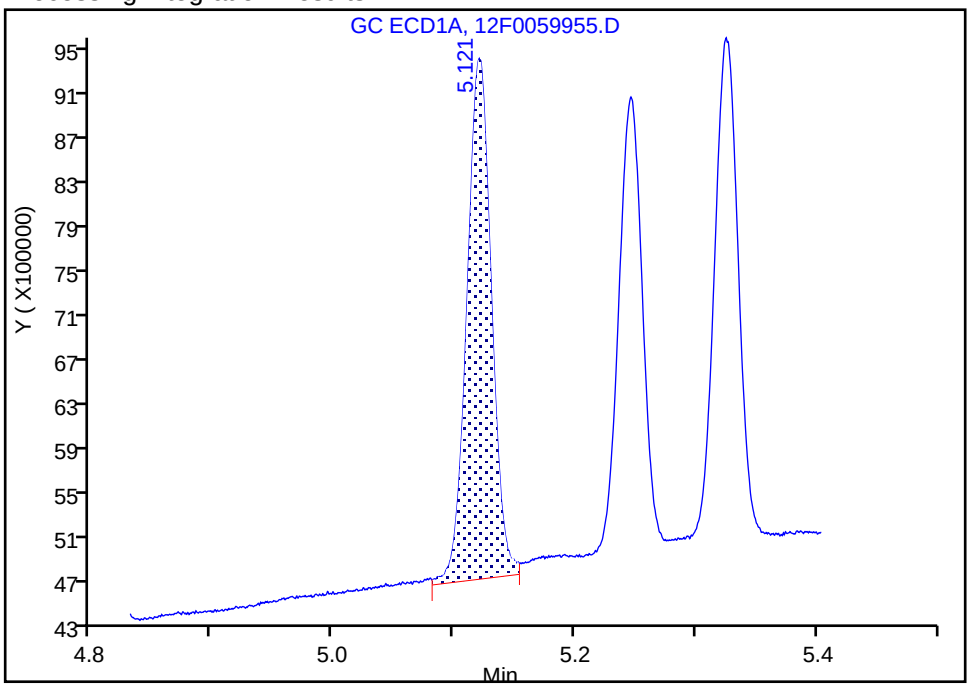
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059955.D				
Injection Date:	05-Apr-2024 08:50:44	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

20 Endrin, CAS: 72-20-8

Signal: 1

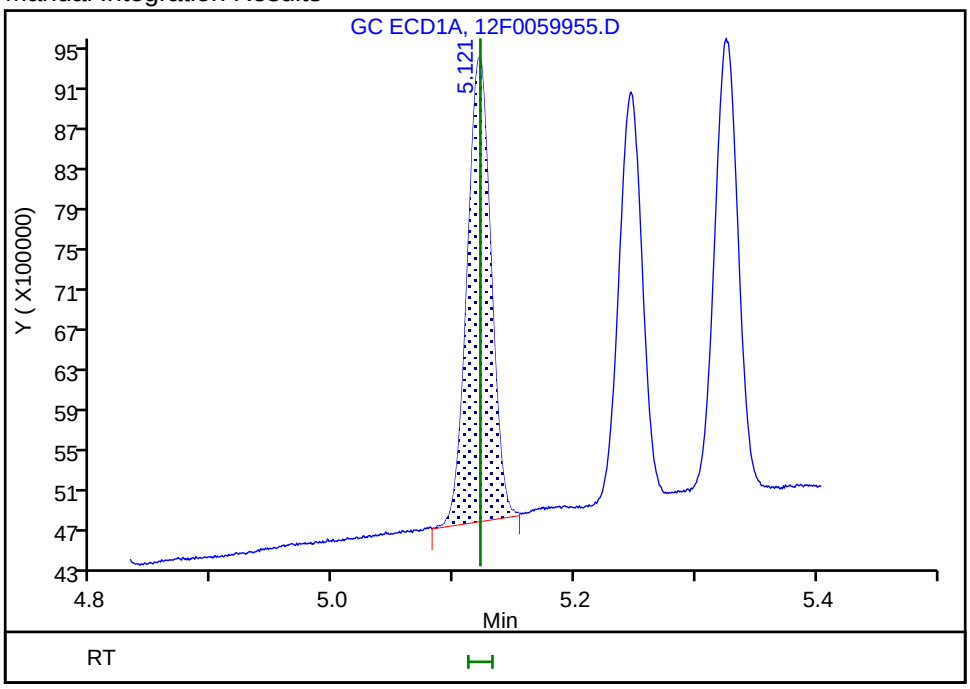
Processing Integration Results

RT: 5.12
Area: 6578087
Amount: 2.514747
Amount Units: ug/l



Manual Integration Results

RT: 5.12
Area: 6281763
Amount: 2.637430
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:17 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

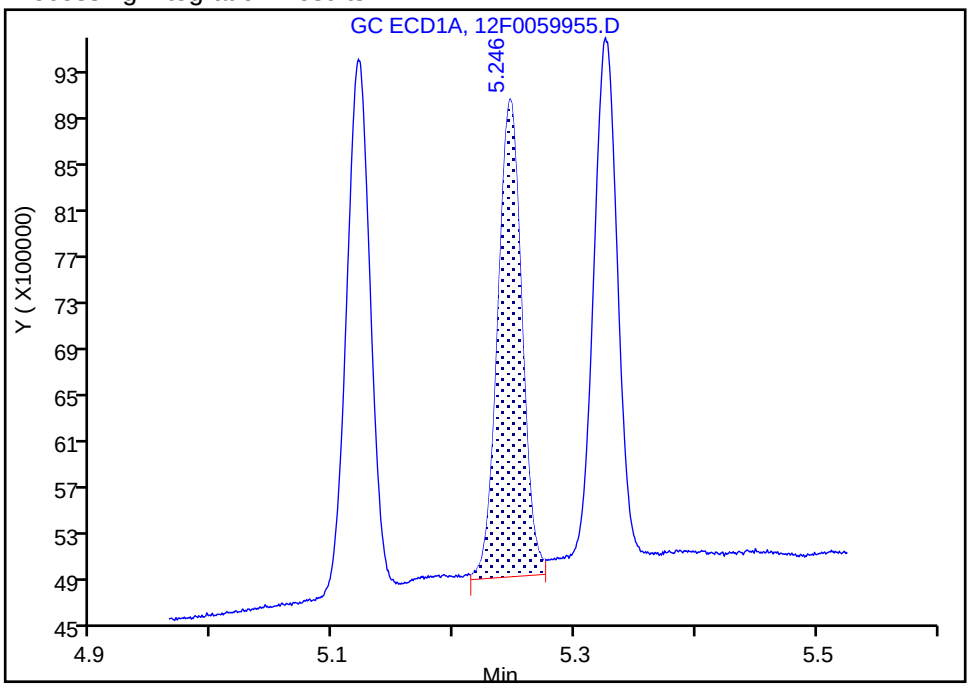
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Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

16 4,4'-DDD, CAS: 72-54-8

Signal: 1

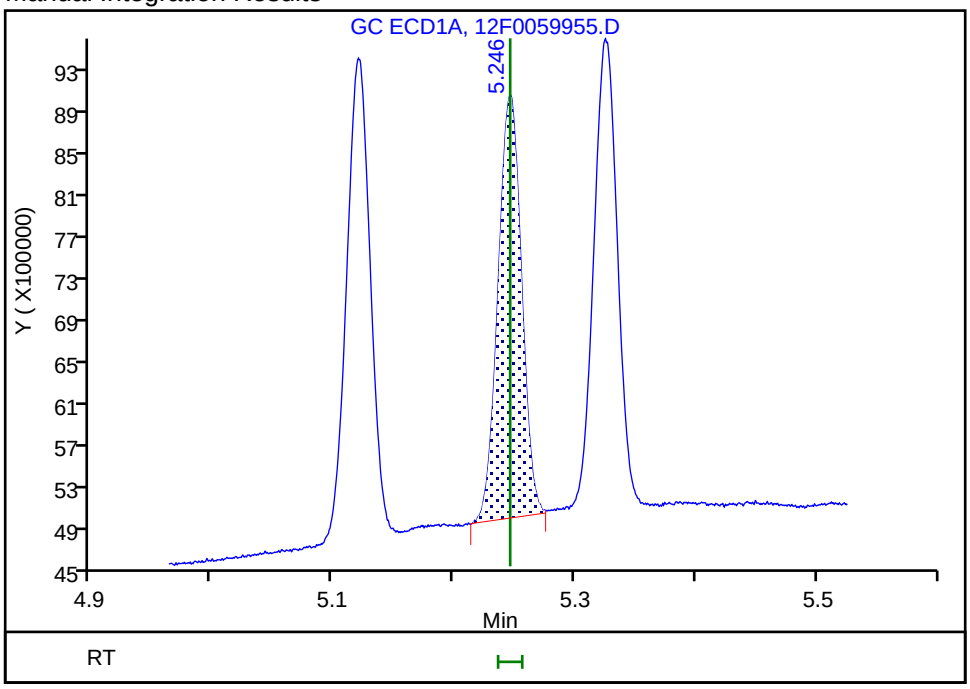
Processing Integration Results

RT: 5.25
Area: 5693507
Amount: 2.488384
Amount Units: ug/l



Manual Integration Results

RT: 5.25
Area: 5431304
Amount: 2.566860
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:18 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

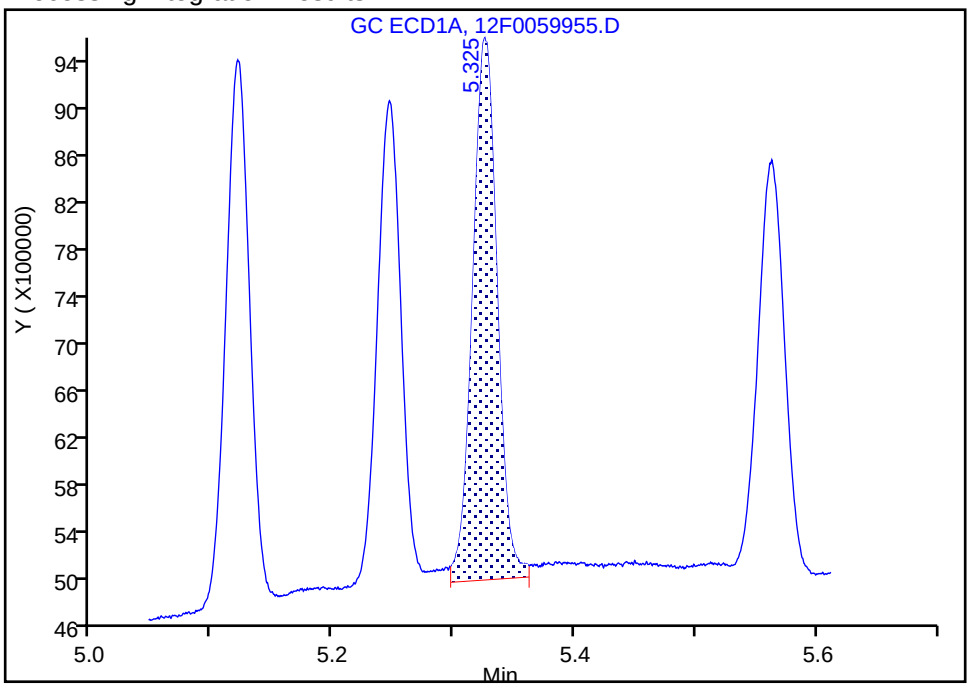
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059955.D
Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

11 Endosulfan II, CAS: 33213-65-9

Signal: 1

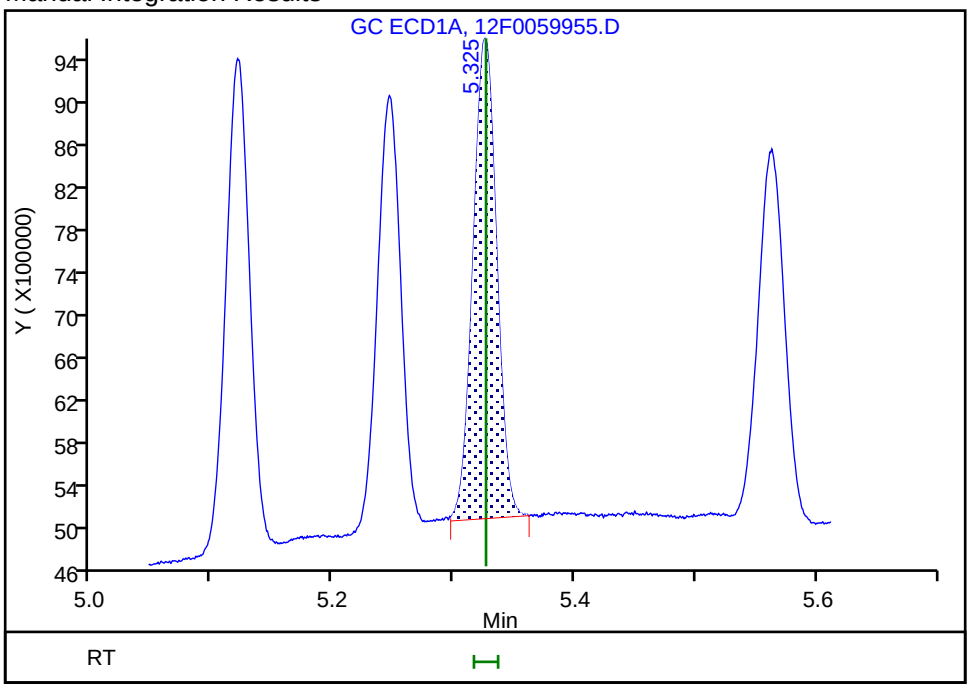
Processing Integration Results

RT: 5.33
Area: 6411171
Amount: 2.586960
Amount Units: ug/l



Manual Integration Results

RT: 5.33
Area: 6086409
Amount: 2.889314
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:19 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059956.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Apr-2024 09:03:04 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-005
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:31:13 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 05-Apr-2024 09:17:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	225607381	100.0	100.0	
2	1.441	1.441	0.000	490258975	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.941	1.942	-0.001	107952888	50.0	46.1	
2	1.806	1.806	0.000	219349929	50.0	44.3	
						RPD = 3.77	
15 alpha-BHC							
1	2.337	2.337	0.000	163349581	50.0	48.4	
2	2.116	2.115	0.001	330952961	50.0	54.9	
						RPD = 12.65	
2 gamma-BHC (Lindane)							M
1	2.608	2.608	0.000	147954342	50.0	48.7	M
2	2.311	2.311	0.000	306695585	50.0	44.9	
						RPD = 8.04	
6 beta-BHC							M
1	2.662	2.662	0.000	64480718	50.0	48.6	M
2	2.359	2.359	0.000	129140440	50.0	46.6	
						RPD = 4.05	
32 delta-BHC							M
1	2.932	2.932	0.000	138771962	50.0	47.7	M
2	2.486	2.486	0.000	292321119	50.0	44.9	
						RPD = 6.12	
18 Heptachlor							M
1	3.004	3.004	0.000	150294263	50.0	48.9	M
2	2.651	2.651	0.000	309000403	50.0	47.0	
						RPD = 3.94	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.343	3.343	0.000	157456637	50.0	49.3	
2	2.894	2.895	-0.001	311117407	50.0	47.1	
						RPD = 4.68	
12 Heptachlor epoxide							
1	4.006	4.006	0.000	133416776	50.0	48.7	
2	3.463	3.463	0.000	267665356	50.0	47.1	
						RPD = 3.30	
9 trans-Chlordane							
1	4.216	4.216	0.000	134487662	50.0	48.2	
2	3.601	3.600	0.001	273775572	50.0	46.0	
						RPD = 4.74	
23 cis-Chlordane							M
1	4.394	4.394	0.000	130022958	50.0	48.5	M
2	3.749	3.750	-0.001	263781978	50.0	46.0	
						RPD = 5.30	
7 Endosulfan I							M
1	4.467	4.466	0.001	123813192	50.0	49.2	M
2	3.898	3.898	0.000	249762230	50.0	47.1	
						RPD = 4.46	
25 4,4'-DDE							
1	4.621	4.621	0.000	139926630	50.0	48.7	
2	3.838	3.839	-0.001	281401512	50.0	46.4	
						RPD = 4.82	
30 Dieldrin							
1	4.803	4.804	-0.001	144887946	50.0	48.8	
2	4.149	4.148	0.001	287737981	50.0	47.5	
						RPD = 2.85	
20 Endrin							
1	5.122	5.122	0.000	135713991	50.0	49.0	
2	4.407	4.407	0.000	265097598	50.0	47.4	
						RPD = 3.15	
16 4,4'-DDD							
1	5.247	5.246	0.001	119622434	50.0	48.6	
2	4.504	4.504	0.000	227722030	50.0	46.6	
						RPD = 4.21	
11 Endosulfan II							
1	5.326	5.326	0.000	123229656	50.0	50.3	
2	4.675	4.675	0.000	232971725	50.0	49.1	
						RPD = 2.42	
21 4,4'-DDT							
1	5.564	5.563	0.001	118380348	50.0	48.3	
2	4.833	4.832	0.001	233842401	50.0	46.2	
						RPD = 4.38	
5 Endrin aldehyde							
1	5.678	5.677	0.001	89039444	50.0	48.6	
2	5.103	5.104	-0.001	189335112	50.0	47.3	
						RPD = 2.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.010	6.010	0.000	110034931	50.0	48.3	
2	5.511	5.510	0.001	224081475	50.0	46.9	
						RPD = 2.92	
10 Methoxychlor							
1	6.573	6.572	0.001	66182260	50.0	48.2	
2	5.326	5.326	0.000	128799339	50.0	46.6	
						RPD = 3.49	
34 Mirex							M
1	6.723	6.724	-0.001	98325611	50.0	48.4	M
2	5.398	5.399	-0.001	188752739	50.0	45.3	
						RPD = 6.58	
13 Endrin ketone							M
1	6.826	6.827	-0.001	112967808	50.0	48.2	M
2	5.789	5.788	0.001	229461407	50.0	46.8	
						RPD = 3.02	
$ 24 DCB Decachlorobiphenyl							
1	8.182	8.179	0.003	116316253	50.0	46.5	
2	7.360	7.360	0.000	247214698	50.0	45.1	
						RPD = 2.97	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGPESTL2_00046	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:31:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059956.D

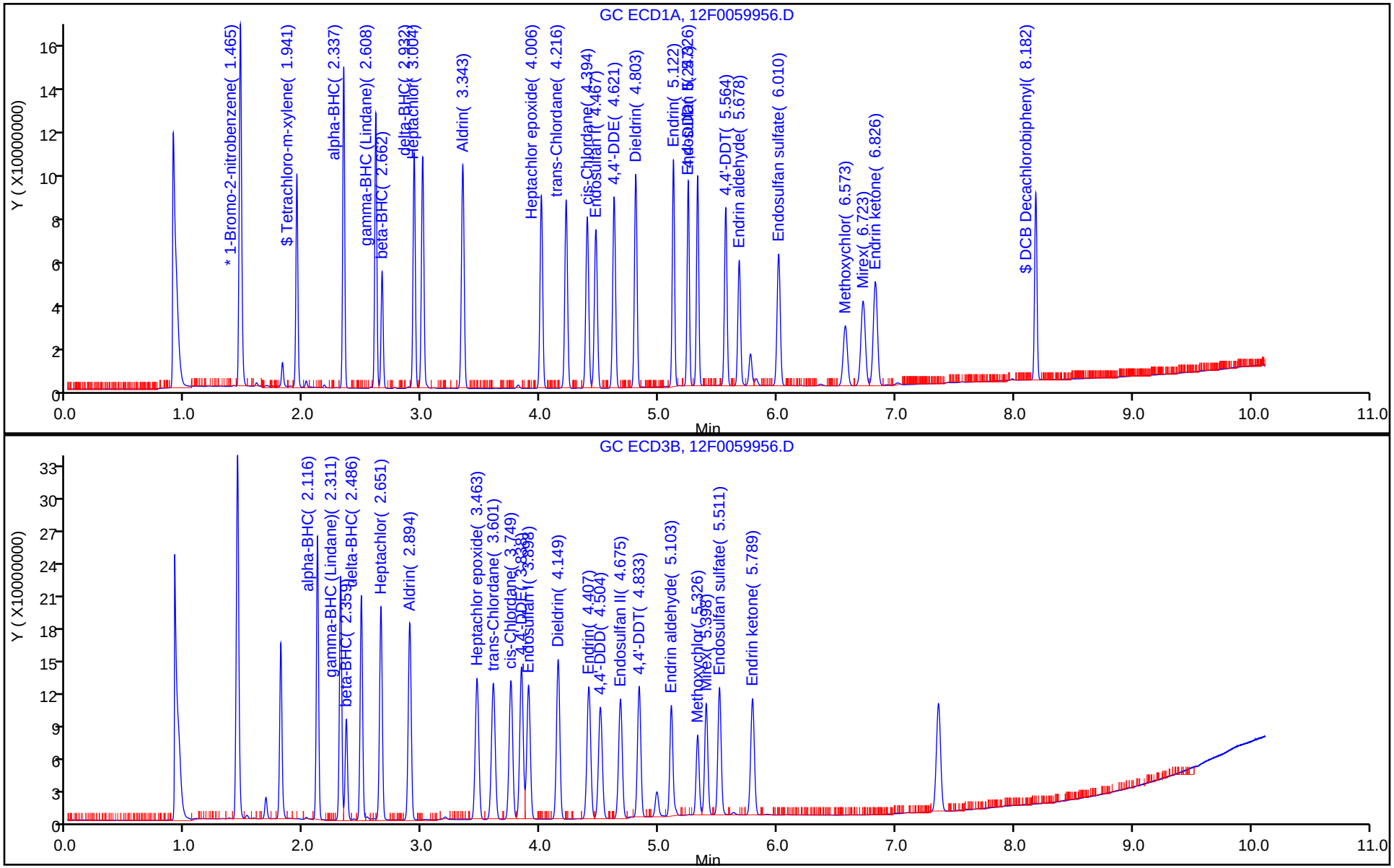
Injection Date: 05-Apr-2024 09:03:04 Instrument ID: CPESTGC12 Operator ID:

Lims ID: IC Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: GC8081 Limit Group: GC 8081B PEST ISTD



Manual Integration/User Assign Peak Report

Eurofins Edison

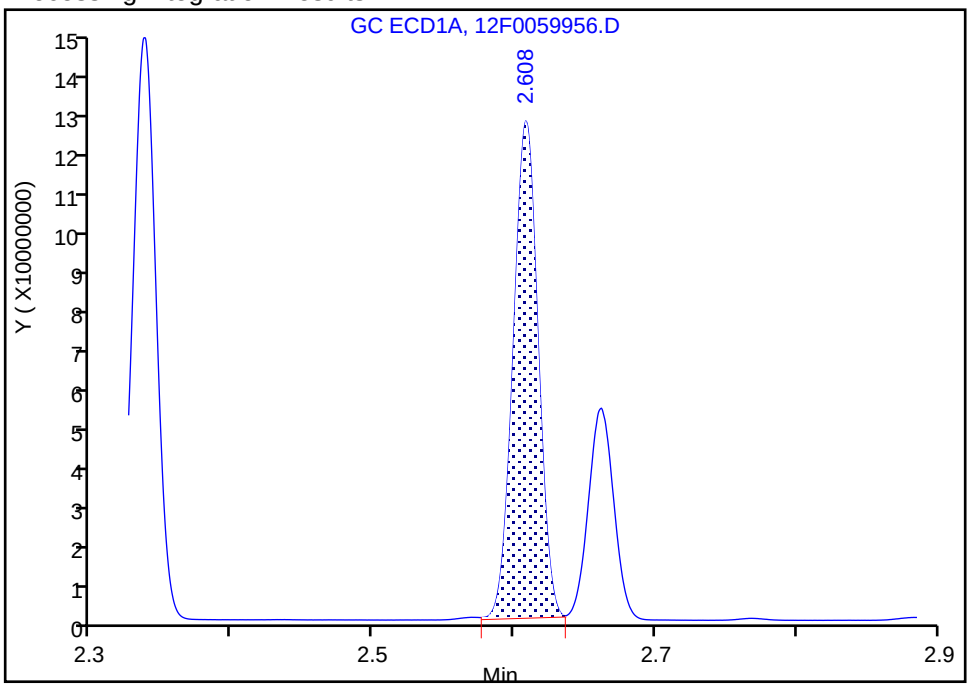
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Injection Date:	05-Apr-2024 09:03:04	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

2 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

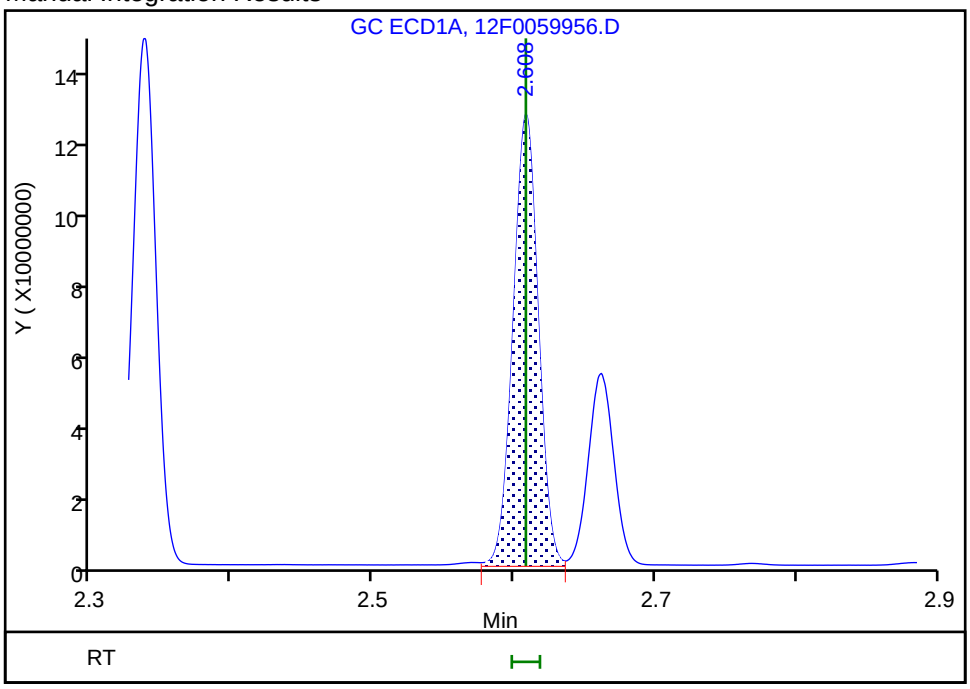
Processing Integration Results

RT: 2.61
Area: 146133285
Amount: 47.313193
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 147954342
Amount: 48.684627
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:16:59 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

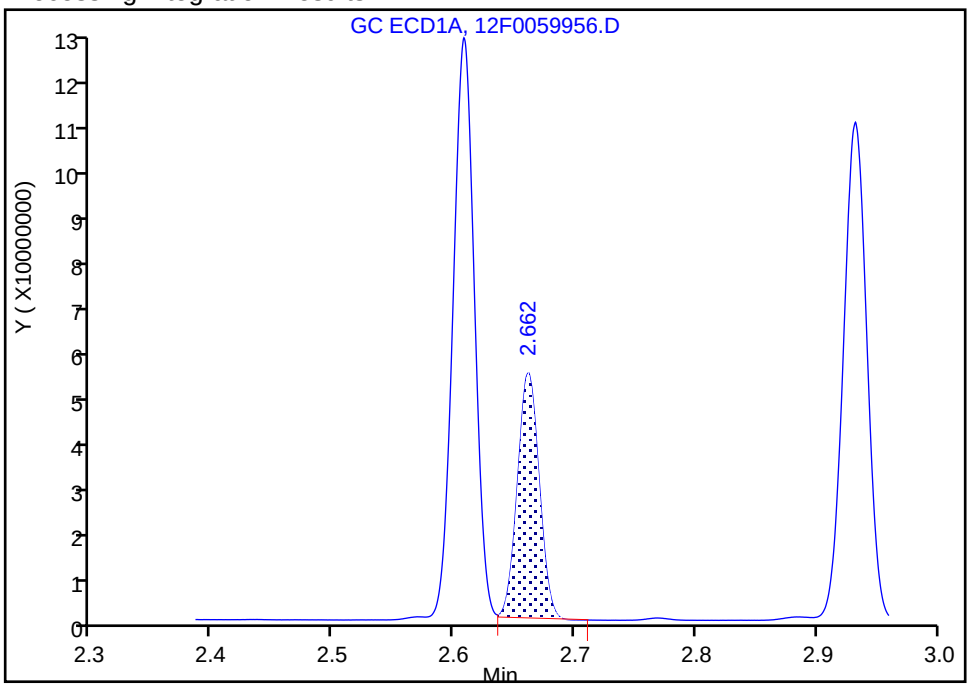
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Injection Date:	05-Apr-2024 09:03:04	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

6 beta-BHC, CAS: 319-85-7

Signal: 1

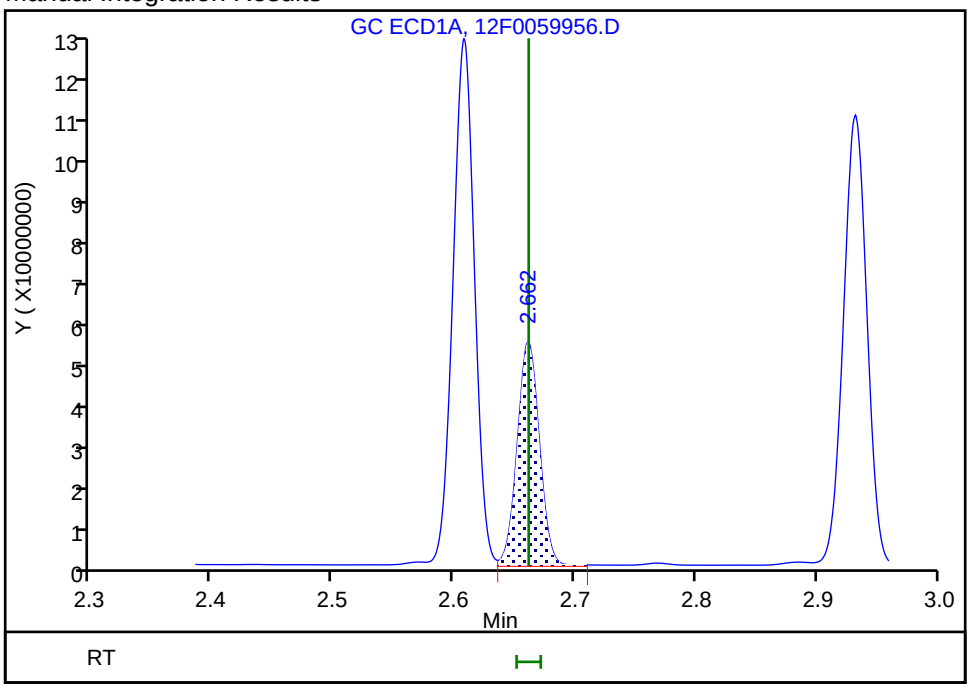
Processing Integration Results

RT: 2.66
Area: 63213440
Amount: 44.963086
Amount Units: ug/l



Manual Integration Results

RT: 2.66
Area: 64480718
Amount: 48.568108
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:16:59 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

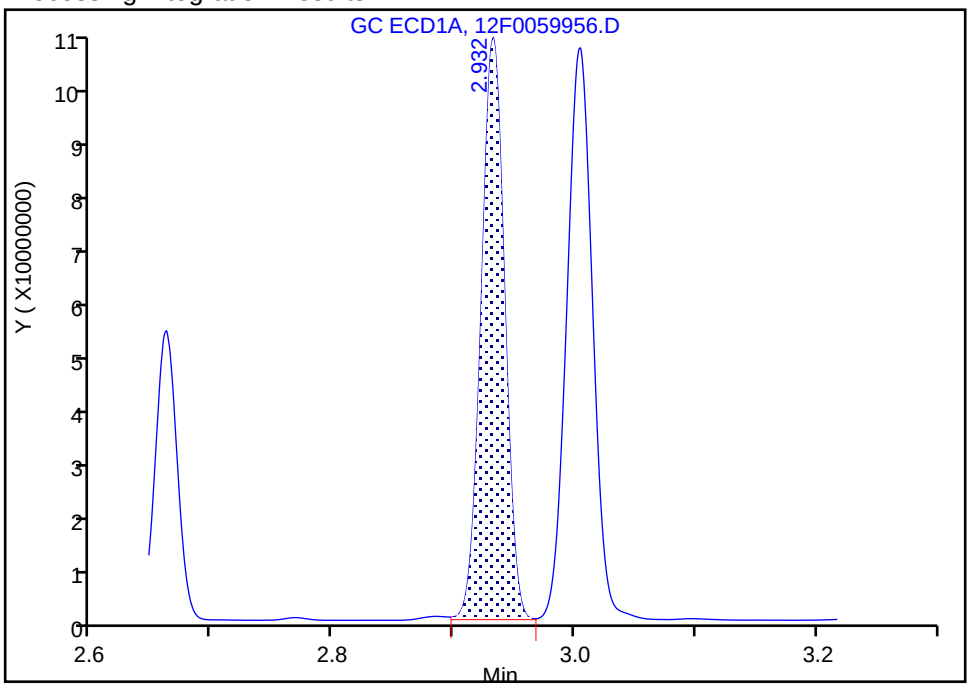
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Injection Date:	05-Apr-2024 09:03:04	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

32 delta-BHC, CAS: 319-86-8

Signal: 1

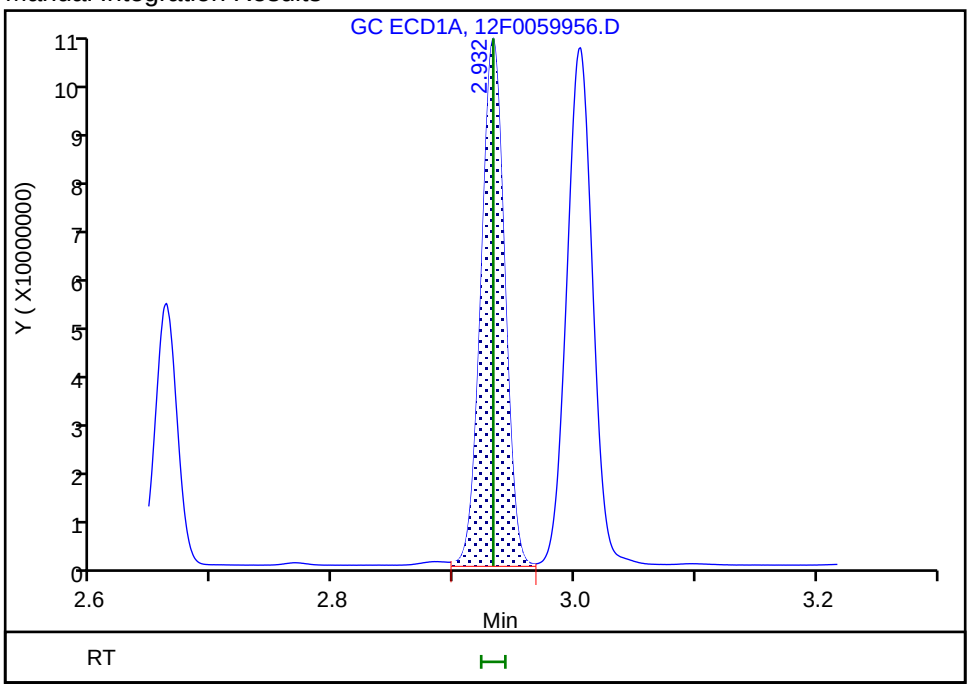
Processing Integration Results

RT: 2.93
Area: 138350970
Amount: 46.474135
Amount Units: ug/l



Manual Integration Results

RT: 2.93
Area: 138771962
Amount: 47.709604
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:17:03 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

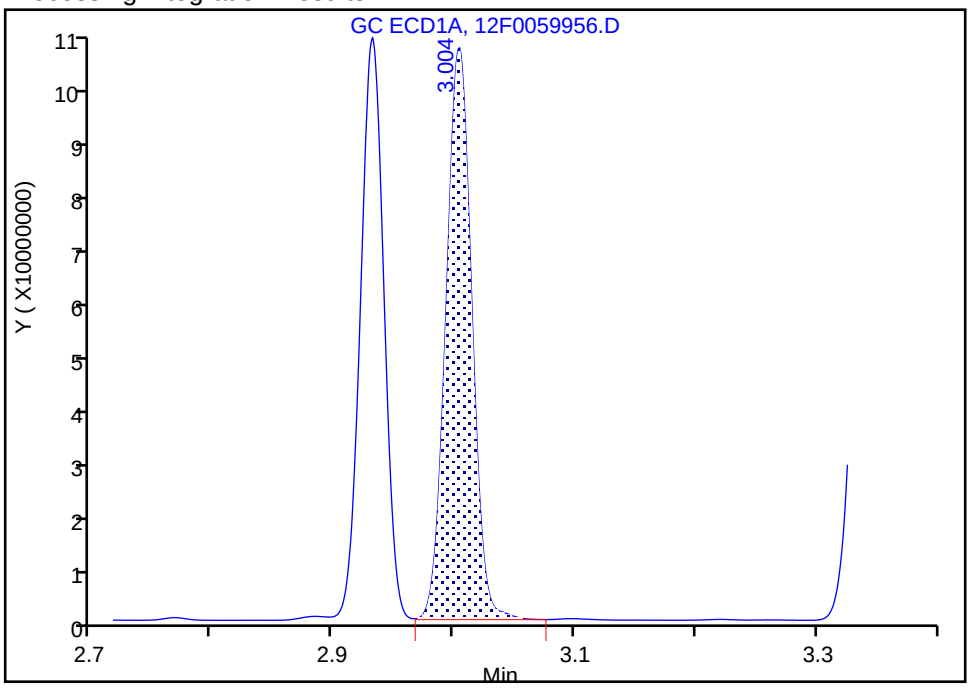
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059956.D				
Injection Date:	05-Apr-2024 09:03:04	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

18 Heptachlor, CAS: 76-44-8

Signal: 1

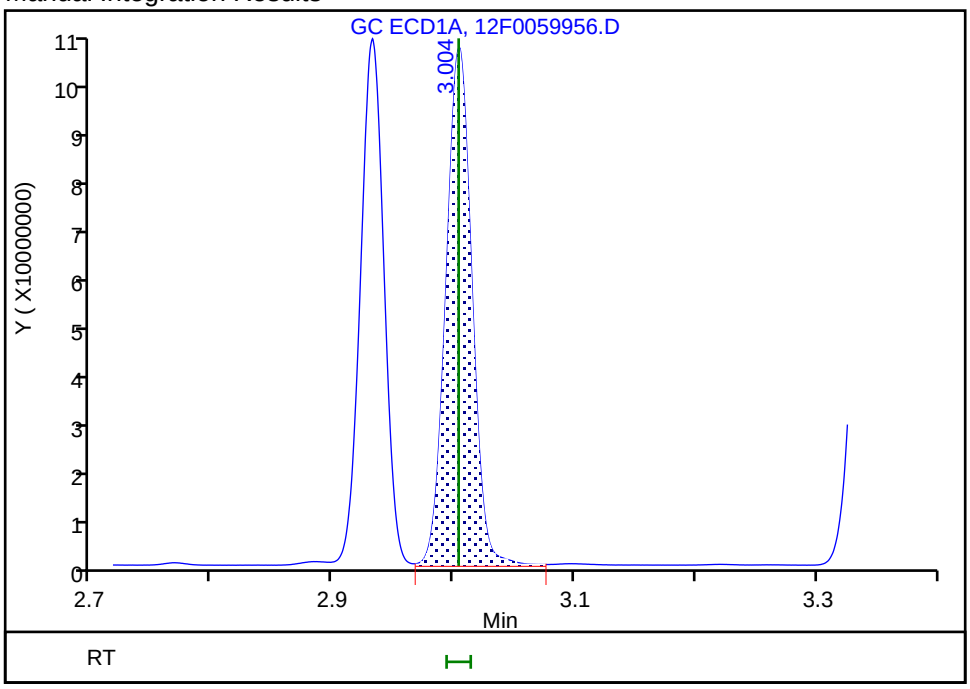
Processing Integration Results

RT: 3.00
Area: 149511975
Amount: 46.723986
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 150294263
Amount: 48.881947
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:17:03 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

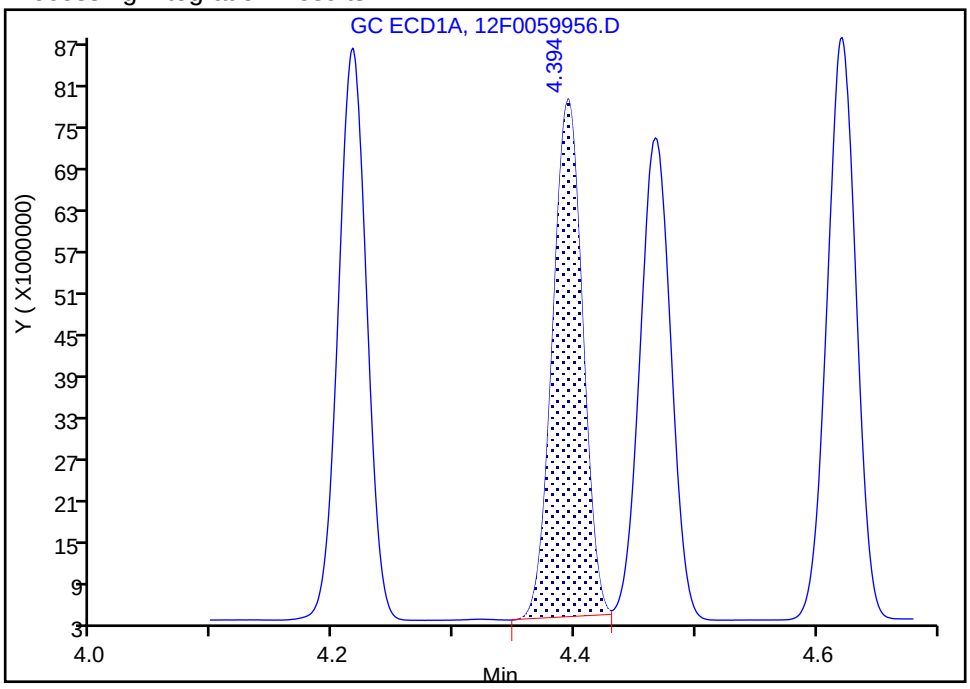
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Injection Date: 05-Apr-2024 09:03:04 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

23 cis-Chlordane, CAS: 5103-71-9

Signal: 1

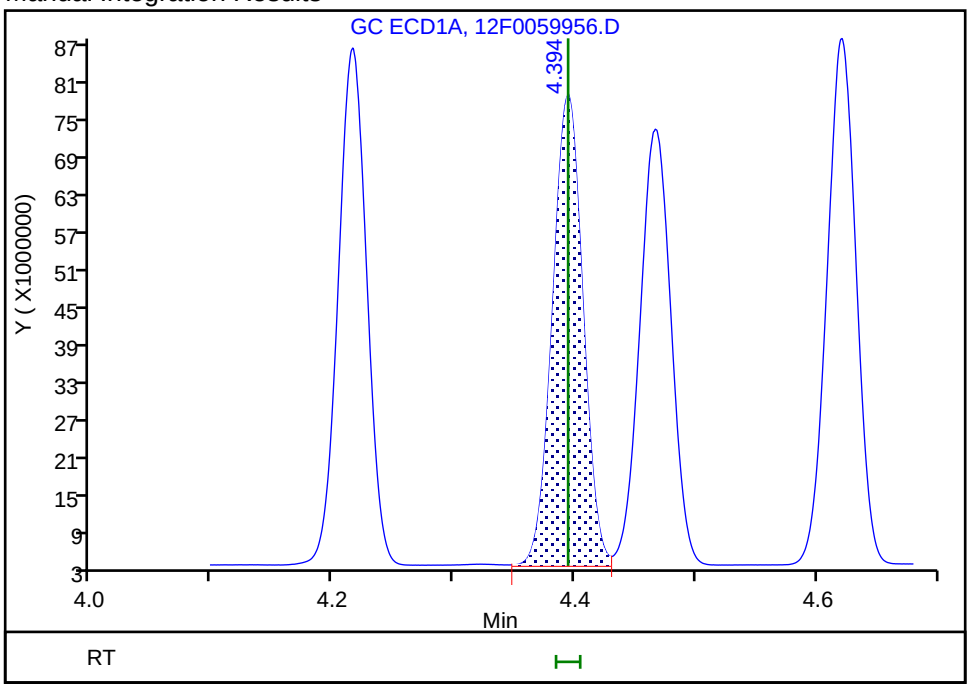
Processing Integration Results

RT: 4.39
Area: 127468268
Amount: 45.717054
Amount Units: ug/l



Manual Integration Results

RT: 4.39
Area: 130022958
Amount: 48.549724
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:17:12 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

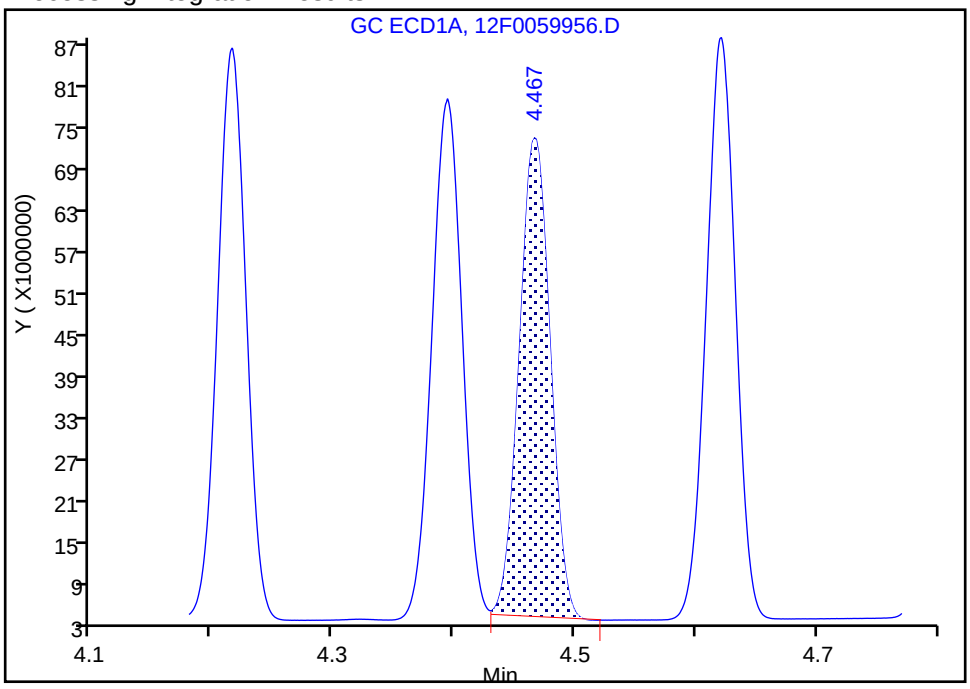
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059956.D				
Injection Date:	05-Apr-2024 09:03:04	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

7 Endosulfan I, CAS: 959-98-8

Signal: 1

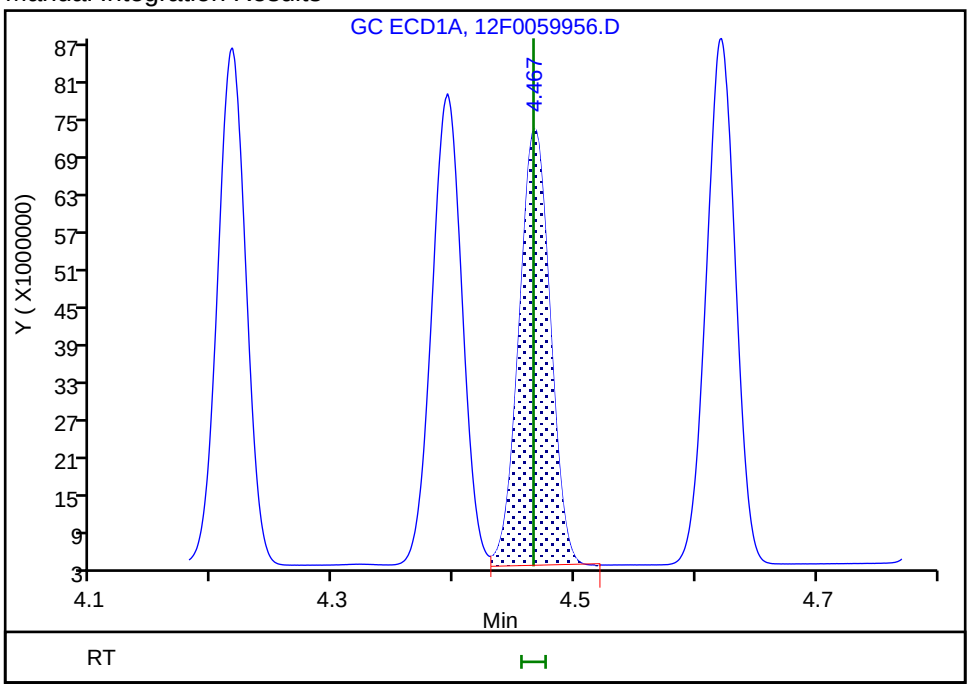
Processing Integration Results

RT: 4.47
Area: 121325016
Amount: 46.075028
Amount Units: ug/l



Manual Integration Results

RT: 4.47
Area: 123813192
Amount: 49.214802
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:17:12 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

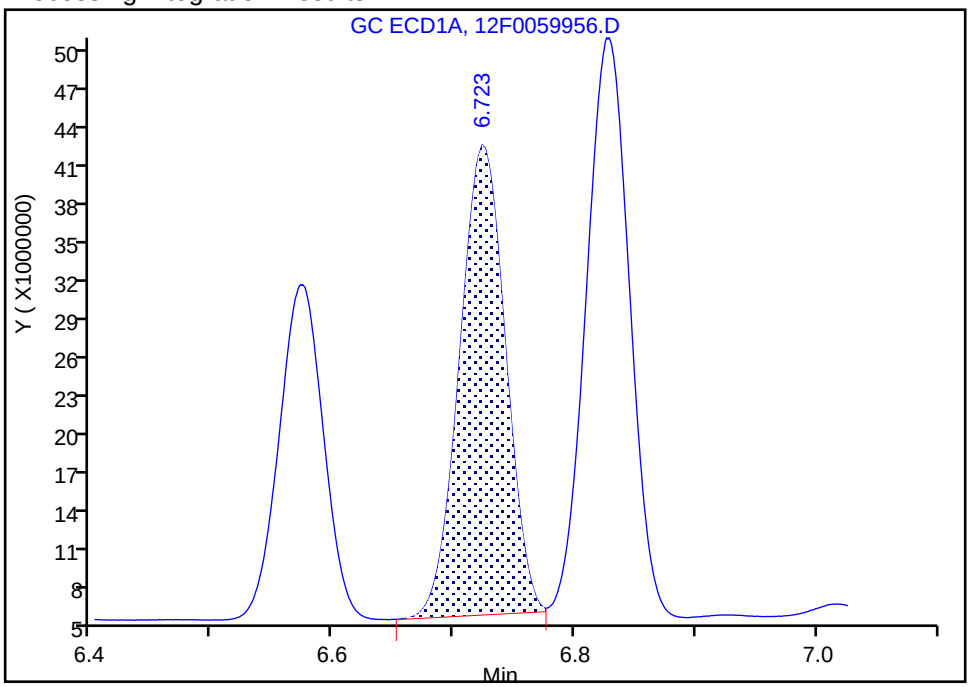
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059956.D				
Injection Date:	05-Apr-2024 09:03:04	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

34 Mirex, CAS: 2385-85-5

Signal: 1

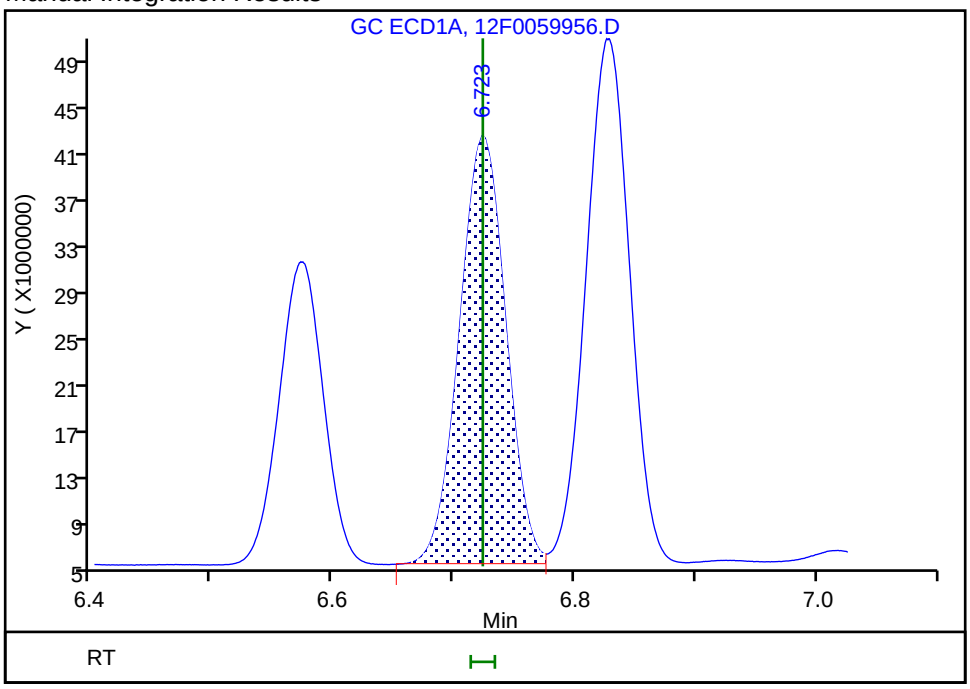
Processing Integration Results

RT: 6.72
Area: 96331200
Amount: 44.417948
Amount Units: ug/l



Manual Integration Results

RT: 6.72
Area: 98325611
Amount: 48.369697
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:17:23 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

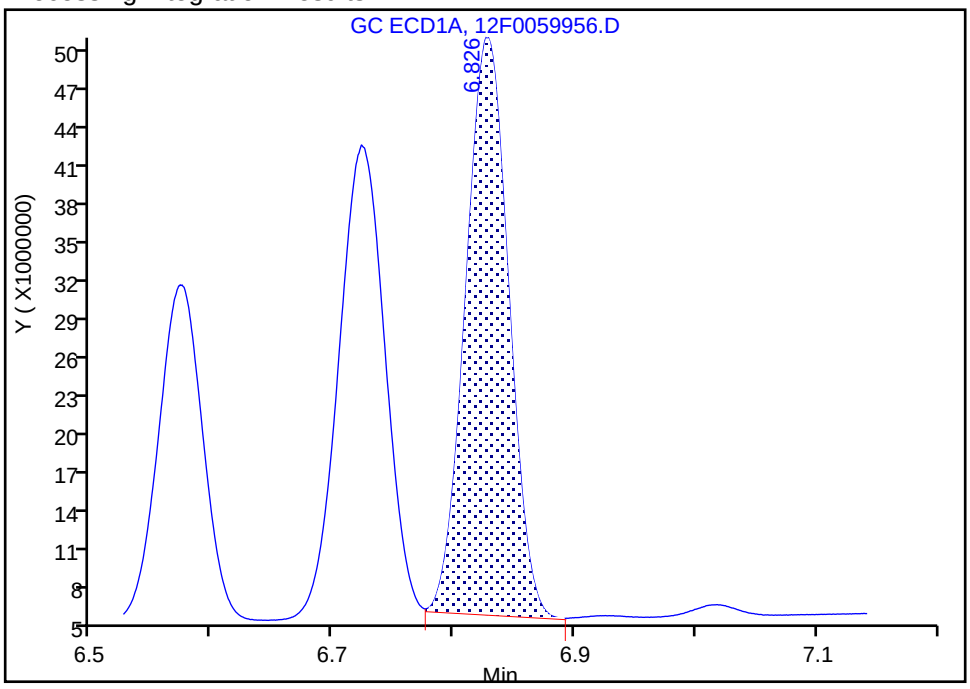
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Injection Date:	05-Apr-2024 09:03:04	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

13 Endrin ketone, CAS: 53494-70-5

Signal: 1

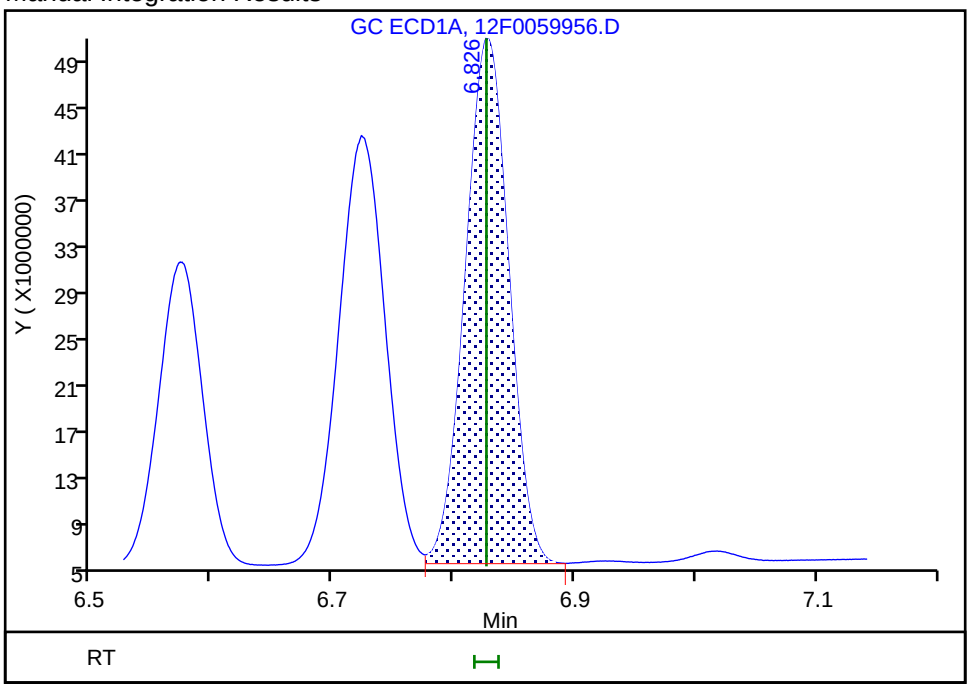
Processing Integration Results

RT: 6.83
Area: 111106680
Amount: 45.939411
Amount Units: ug/l



Manual Integration Results

RT: 6.83
Area: 112967808
Amount: 48.249115
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:17:23 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059957.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Apr-2024 09:15:27 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-006
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:31:23 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	241906873	100.0	100.0	
2	1.441	1.441	0.000	508313239	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.942	1.942	0.000	354374418	150.0	141.0	
2	1.807	1.806	0.001	750711037	150.0	146.4	
						RPD = 3.76	
15 alpha-BHC							
1	2.338	2.337	0.001	862801245	250.0	238.3	
2	2.117	2.115	0.002	1920397707	250.0	202.4	
						RPD = 16.27	
2 gamma-BHC (Lindane)							
1	2.609	2.608	0.001	762357308	250.0	234.0	
2	2.312	2.311	0.001	1728871073	250.0	244.2	
						RPD = 4.30	
6 beta-BHC							
1	2.662	2.662	0.000	313332941	250.0	220.1	
2	2.359	2.359	0.000	672854309	250.0	234.4	
						RPD = 6.28	
32 delta-BHC							
1	2.933	2.932	0.001	719218389	250.0	230.6	
2	2.487	2.486	0.001	1662235472	250.0	246.1	
						RPD = 6.51	
18 Heptachlor							
1	3.004	3.004	0.000	752833526	250.0	228.4	
2	2.652	2.651	0.001	1626055726	250.0	238.5	
						RPD = 4.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.343	3.343	0.000	797379317	250.0	233.0	
2	2.895	2.895	0.000	1667024162	250.0	243.3	
						RPD = 4.32	
12 Heptachlor epoxide							
1	4.007	4.006	0.001	660284264	250.0	224.8	
2	3.463	3.463	0.000	1375624442	250.0	233.6	
						RPD = 3.83	
9 trans-Chlordane							
1	4.216	4.216	0.000	684131792	250.0	228.6	
2	3.601	3.600	0.001	1473819657	250.0	238.6	
						RPD = 4.28	
23 cis-Chlordane							
1	4.395	4.394	0.001	637783733	250.0	222.1	
2	3.749	3.750	-0.001	1384831952	250.0	233.1	
						RPD = 4.85	
7 Endosulfan I							
1	4.467	4.466	0.001	605420283	250.0	224.4	
2	3.899	3.898	0.001	1283625019	250.0	233.3	
						RPD = 3.88	
25 4,4'-DDE							
1	4.621	4.621	0.000	712664503	250.0	231.3	
2	3.839	3.839	0.000	1495516776	250.0	237.8	
						RPD = 2.79	
30 Dieldrin							
1	4.804	4.804	0.000	727508900	250.0	228.7	
2	4.149	4.148	0.001	1498064375	250.0	238.3	
						RPD = 4.13	
20 Endrin							
1	5.122	5.122	0.000	674219657	250.0	226.8	
2	4.409	4.407	0.002	1376252773	250.0	237.5	
						RPD = 4.61	
16 4,4'-DDD							
1	5.247	5.246	0.001	602078708	250.0	228.0	
2	4.506	4.504	0.002	1237630261	250.0	244.1	
						RPD = 6.82	
11 Endosulfan II							
1	5.327	5.326	0.001	604439636	250.0	229.9	
2	4.674	4.675	-0.001	1213130470	250.0	246.4	
						RPD = 6.92	
21 4,4'-DDT							
1	5.564	5.563	0.001	611909671	250.0	232.9	
2	4.833	4.832	0.001	1296780372	250.0	247.4	
						RPD = 6.01	
5 Endrin aldehyde							
1	5.677	5.677	0.000	438662398	250.0	223.3	
2	5.104	5.104	0.000	978658536	250.0	235.9	
						RPD = 5.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.011	6.010	0.001	549833827	250.0	225.0	
2	5.511	5.510	0.001	1187330691	250.0	239.6	
						RPD = 6.30	
10 Methoxychlor							
1	6.573	6.572	0.001	319363892	250.0	217.1	
2	5.326	5.326	0.000	638907953	250.0	222.9	
						RPD = 2.63	
34 Mirex							
1	6.725	6.724	0.001	466015461	250.0	213.8	
2	5.399	5.399	0.000	991947223	250.0	229.5	
						RPD = 7.10	
13 Endrin ketone							
1	6.828	6.827	0.001	563692897	250.0	224.5	
2	5.791	5.788	0.003	1228553532	250.0	241.7	
						RPD = 7.38	
$ 24 DCB Decachlorobiphenyl							
1	8.182	8.179	0.003	365592147	150.0	136.2	
2	7.359	7.360	-0.001	827442670	150.0	145.6	
						RPD = 6.68	

Reagents:

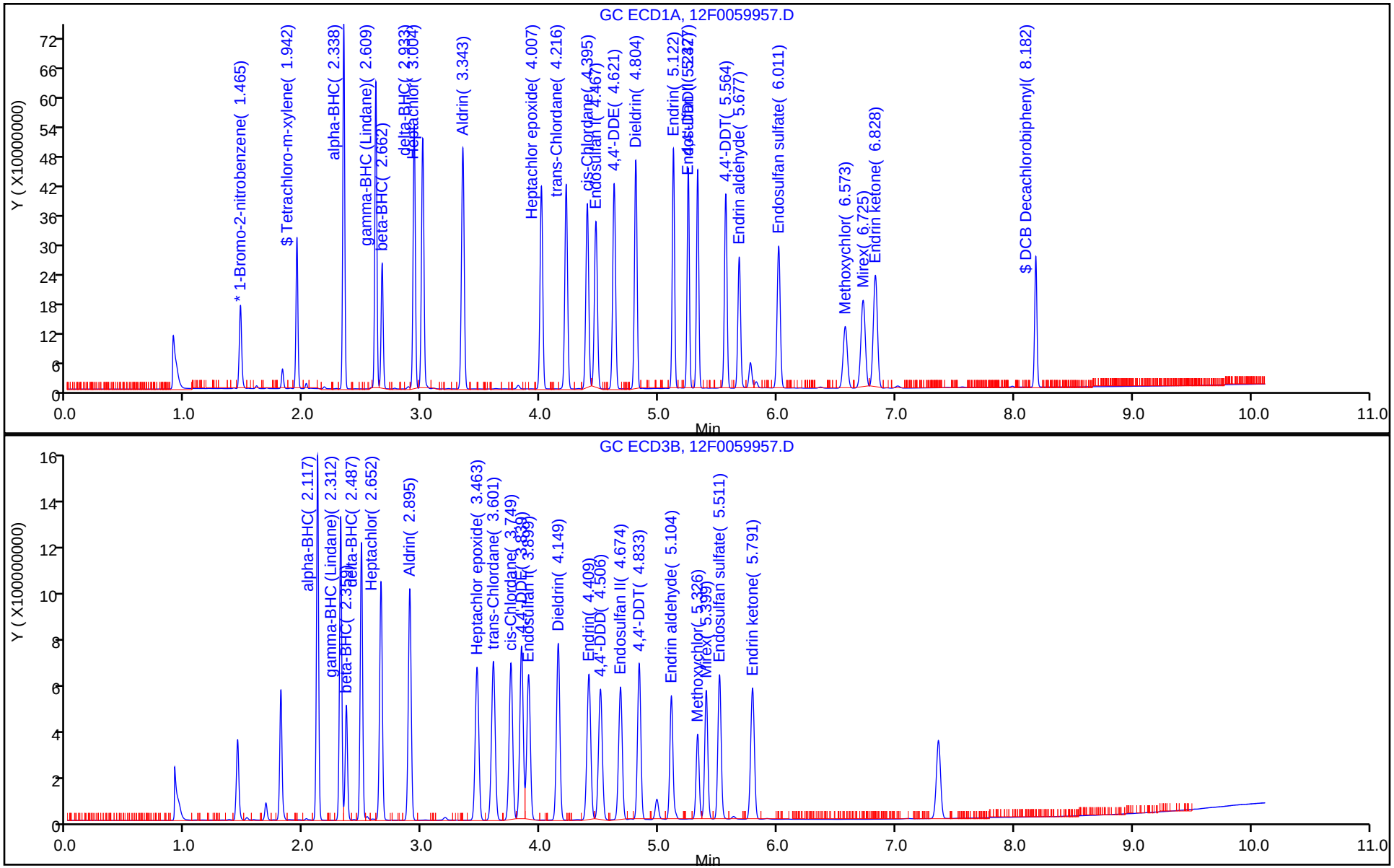
SGPESTL4_00041	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:31:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059957.D

Injection Date:	05-Apr-2024 09:15:27	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Apr-2024 09:27:43 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-007
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:31:32 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 05-Apr-2024 09:43:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	211114612	100.0	100.0	
2	1.441	1.441	0.000	421145383	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.942	1.942	0.000	414454675	200.0	189.0	
2	1.807	1.806	0.001	901769143	200.0	212.2	
						RPD = 11.61	
15 alpha-BHC							
1	2.338	2.337	0.001	1607527377	500.0	508.7	
2	2.121	2.115	0.006	4437425047	500.0	523.8	
						RPD = 2.92	
2 gamma-BHC (Lindane)							M
1	2.609	2.608	0.001	1426514921	500.0	501.6	M
2	2.314	2.311	0.003	3627662145	500.0	618.5	
						RPD = 20.87	
6 beta-BHC							M
1	2.662	2.662	0.000	573741667	500.0	461.8	M
2	2.360	2.359	0.001	1235059566	500.0	519.2	
						RPD = 11.70	
32 delta-BHC							M
1	2.933	2.932	0.001	1366730836	500.0	502.1	M
2	2.489	2.486	0.003	3376702599	500.0	603.4	
						RPD = 18.33	
18 Heptachlor							M
1	3.005	3.004	0.001	1379974009	500.0	479.6	M
2	2.654	2.651	0.003	3097781042	500.0	548.4	
						RPD = 13.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.344	3.343	0.001	1455843377	500.0	487.4	
2	2.897	2.895	0.002	3185283967	500.0	561.0	
						RPD = 14.04	
12 Heptachlor epoxide							
1	4.007	4.006	0.001	1203231995	500.0	469.5	
2	3.465	3.463	0.002	2484103769	500.0	509.2	
						RPD = 8.11	
9 trans-Chlordane							
1	4.217	4.216	0.001	1267219585	500.0	485.2	
2	3.602	3.600	0.002	2764158649	500.0	540.2	
						RPD = 10.72	
23 cis-Chlordane							M
1	4.395	4.394	0.001	1214508526	500.0	484.6	M
2	3.751	3.750	0.001	2639355552	500.0	536.3	M
						RPD = 10.13	
7 Endosulfan I							M
1	4.467	4.466	0.001	1109329319	500.0	471.2	M
2	3.900	3.898	0.002	2305553226	500.0	505.8	M
						RPD = 7.07	
25 4,4'-DDE							M
1	4.623	4.621	0.002	1328388842	500.0	493.9	
2	3.840	3.839	0.001	2878034500	500.0	552.4	M
						RPD = 11.17	
30 Dieldrin							M
1	4.804	4.804	0.000	1345269157	500.0	484.5	M
2	4.150	4.148	0.002	2766804576	500.0	531.2	
						RPD = 9.21	
20 Endrin							M
1	5.123	5.122	0.001	1254417652	500.0	483.5	M
2	4.408	4.407	0.001	2577544567	500.0	536.9	M
						RPD = 10.46	
16 4,4'-DDD							M
1	5.248	5.246	0.002	1156581883	500.0	501.8	M
2	4.506	4.504	0.002	2310567640	500.0	550.0	M
						RPD = 9.16	
11 Endosulfan II							M
1	5.327	5.326	0.001	899502085	500.0	392.0	M
2	4.675	4.675	0.000	1737666890	500.0	425.9	
						RPD = 8.29	
21 4,4'-DDT							
1	5.565	5.563	0.002	1145773877	500.0	499.8	
2	4.834	4.832	0.002	2411656521	500.0	555.2	
						RPD = 10.51	
5 Endrin aldehyde							M
1	5.678	5.677	0.001	803720385	500.0	468.8	M
2	5.105	5.104	0.001	1758449306	500.0	511.5	
						RPD = 8.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.011	6.010	0.001	1011844148	500.0	474.4	
2	5.512	5.510	0.002	2170092815	500.0	528.6	
						RPD = 10.80	
10 Methoxychlor							M
1	6.575	6.572	0.003	582119969	500.0	453.4	
2	5.327	5.326	0.001	1131295918	500.0	476.3	M
						RPD = 4.92	
34 Mirex							M
1	6.725	6.724	0.001	879326405	500.0	462.3	M
2	5.400	5.399	0.001	1829635522	500.0	511.0	M
						RPD = 10.02	
13 Endrin ketone							M
1	6.827	6.827	0.000	1081276305	500.0	493.5	M
2	5.791	5.788	0.003	2264521738	500.0	537.8	
						RPD = 8.59	
$ 24 DCB Decachlorobiphenyl							
1	8.183	8.179	0.004	435968886	200.0	186.1	
2	7.361	7.360	0.001	938847400	200.0	199.4	
						RPD = 6.90	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGPESTL5_00042	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:31:33 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D

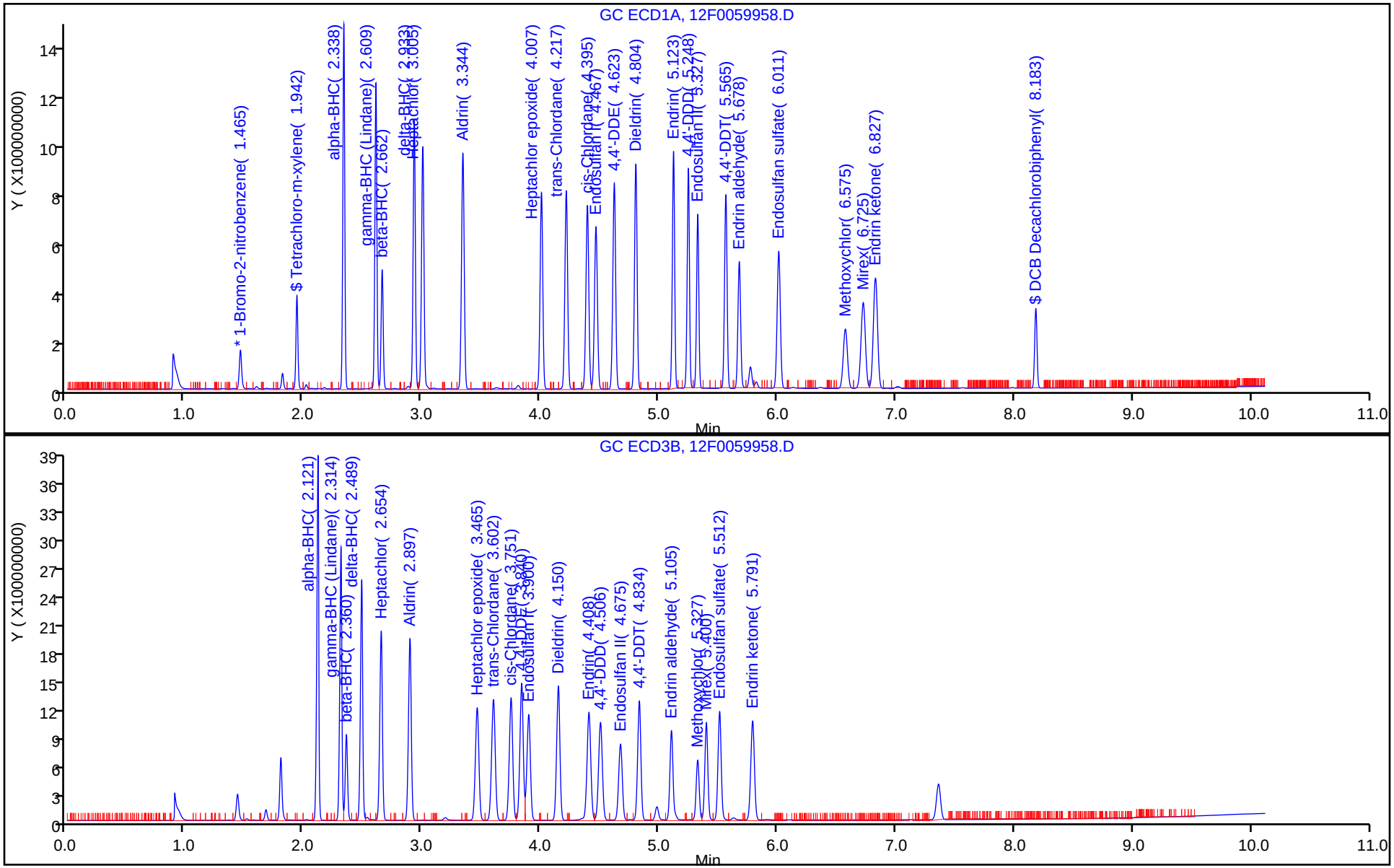
Injection Date: 05-Apr-2024 09:27:43 Instrument ID: CPESTGC12 Operator ID:

Lims ID: IC Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: GC8081 Limit Group: GC 8081B PEST ISTD



Manual Integration/User Assign Peak Report

Eurofins Edison

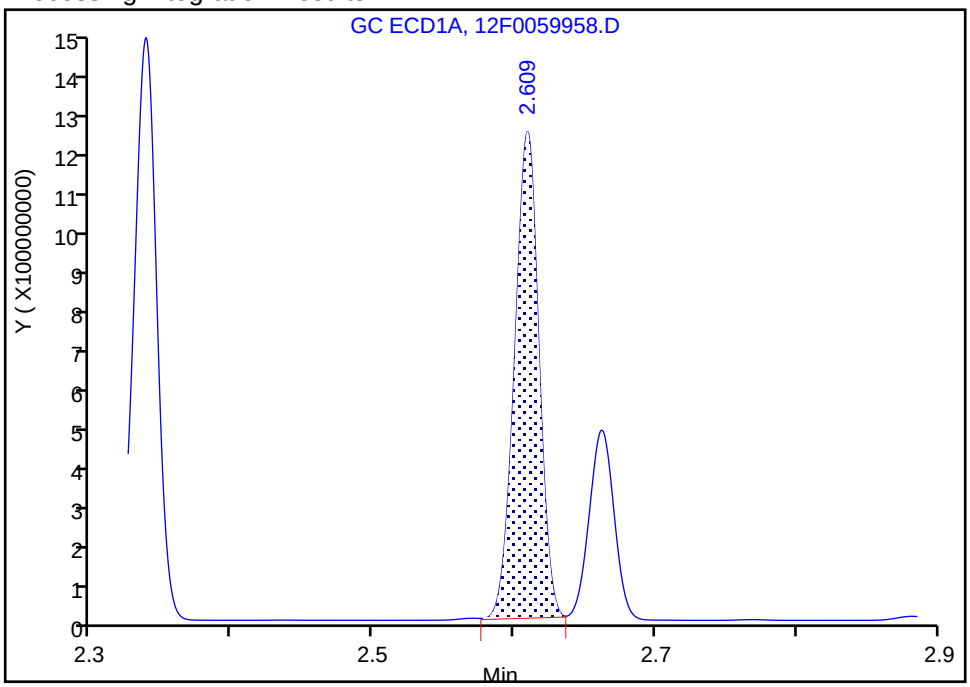
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D				
Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

2 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

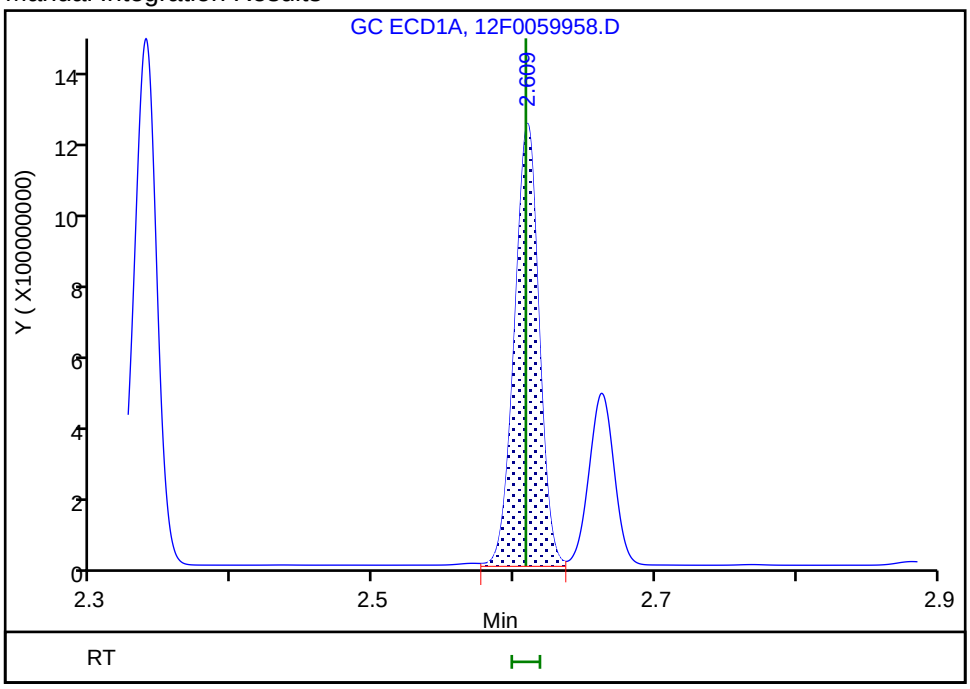
Processing Integration Results

RT: 2.61
Area: 1409232871
Amount: 496.7512
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 1426514921
Amount: 501.6207
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:04 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

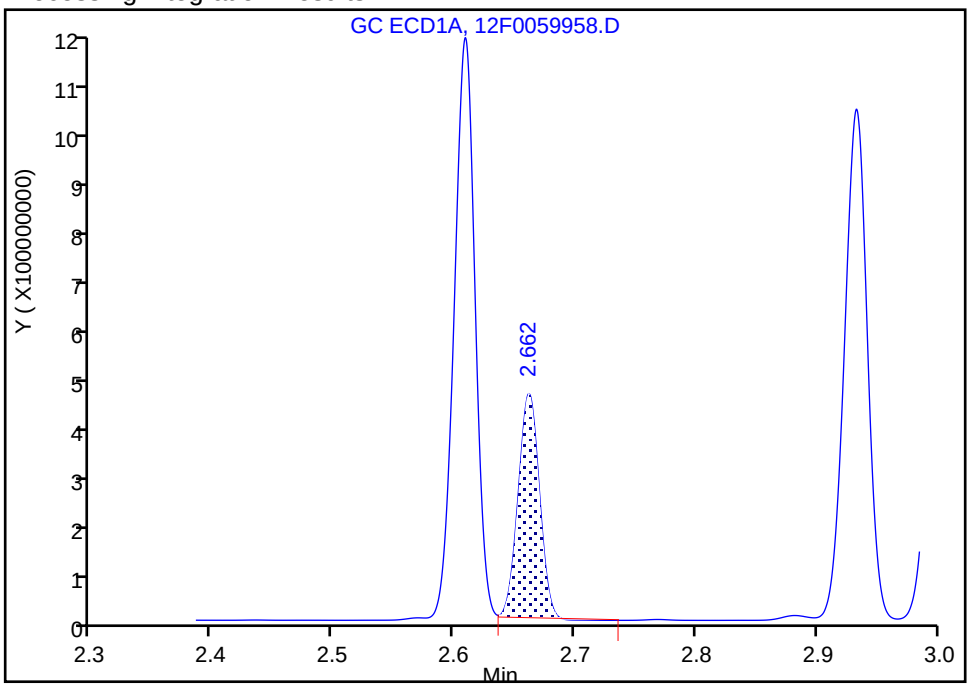
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Injection Date: 05-Apr-2024 09:27:43 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

6 beta-BHC, CAS: 319-85-7

Signal: 1

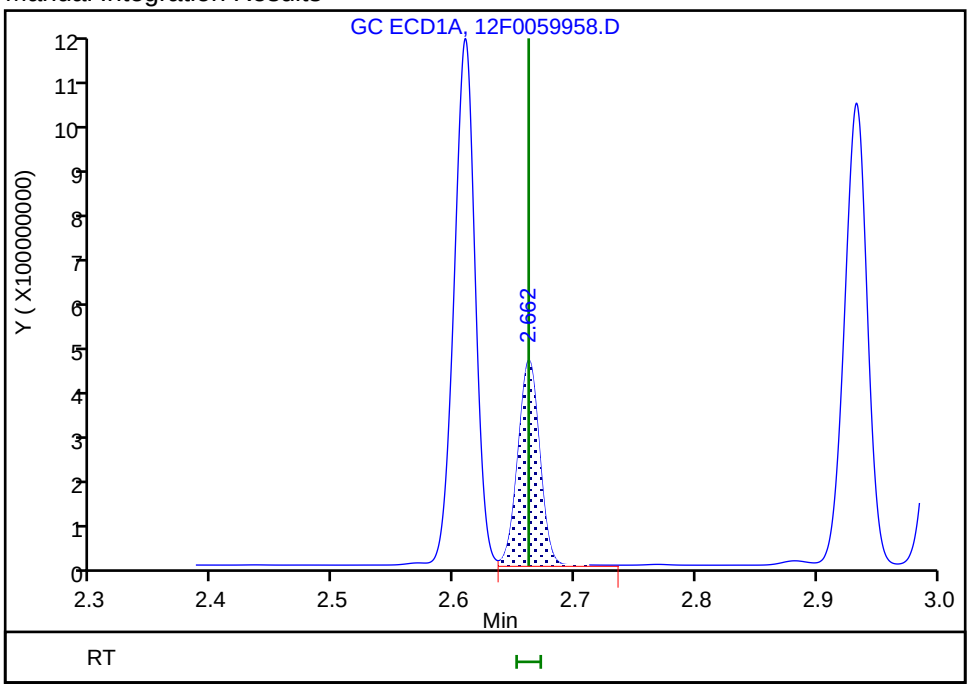
Processing Integration Results

RT: 2.66
Area: 561424983
Amount: 453.7052
Amount Units: ug/l



Manual Integration Results

RT: 2.66
Area: 573741667
Amount: 461.8200
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:04 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

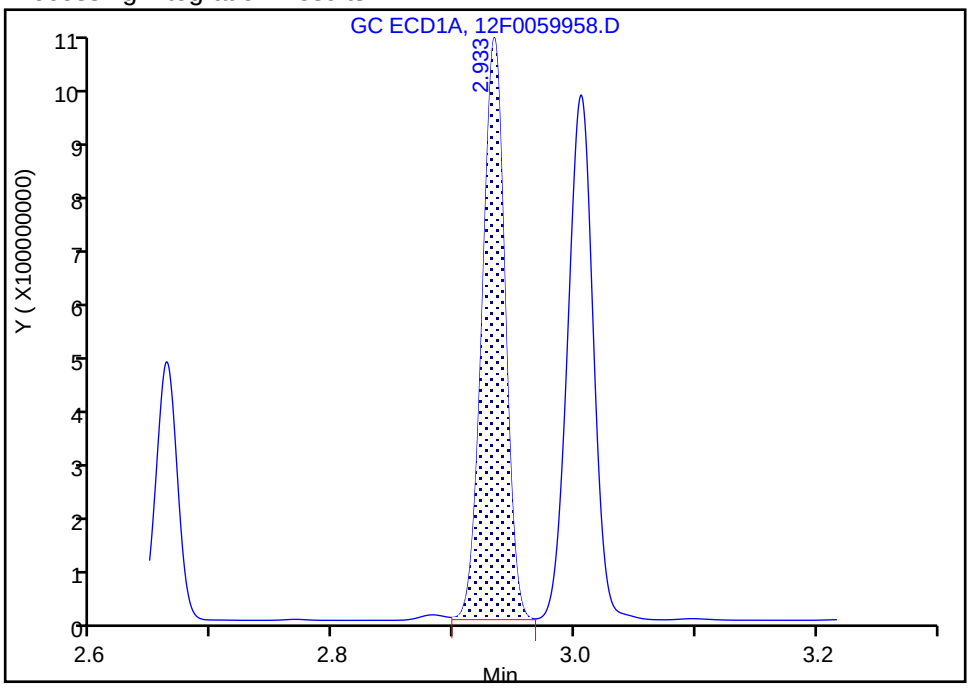
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Injection Date: 05-Apr-2024 09:27:43 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

32 delta-BHC, CAS: 319-86-8

Signal: 1

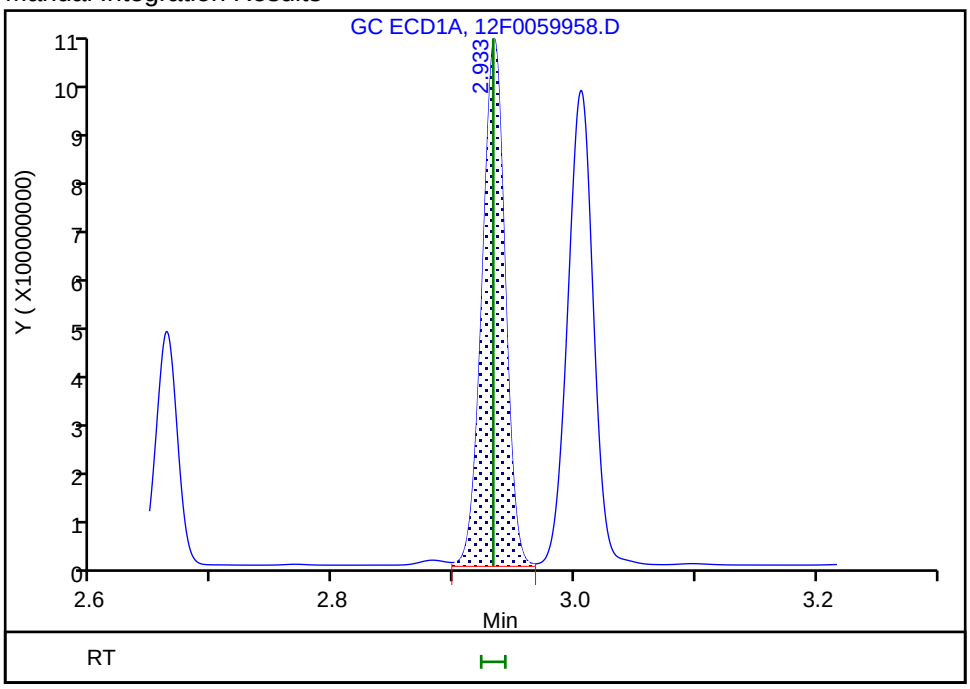
Processing Integration Results

RT: 2.93
Area: 1360913727
Amount: 500.4274
Amount Units: ug/l



Manual Integration Results

RT: 2.93
Area: 1366730836
Amount: 502.1368
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:05 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

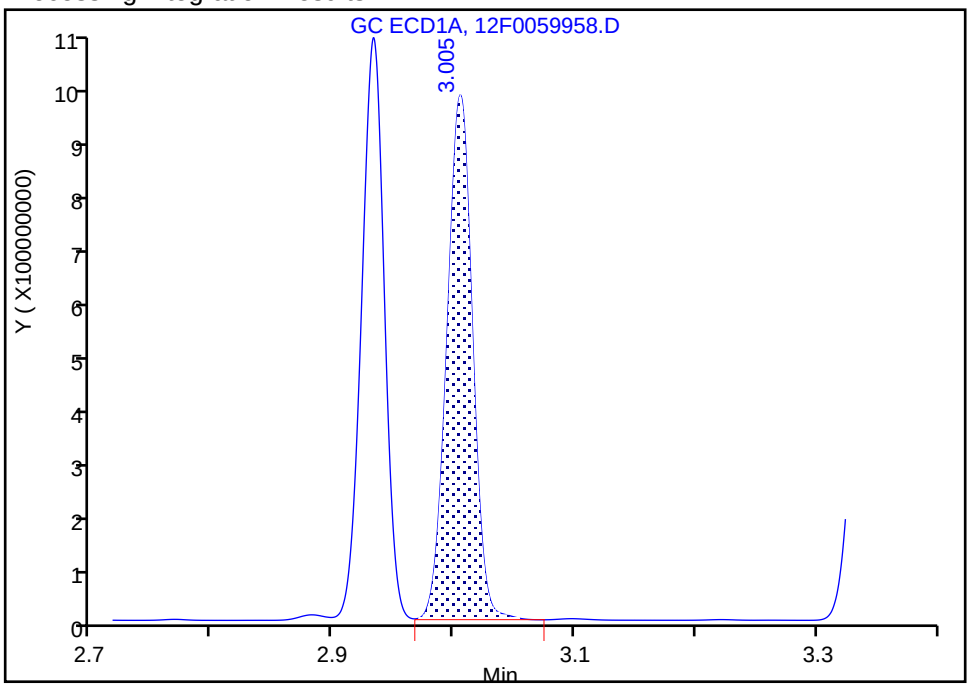
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Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

18 Heptachlor, CAS: 76-44-8

Signal: 1

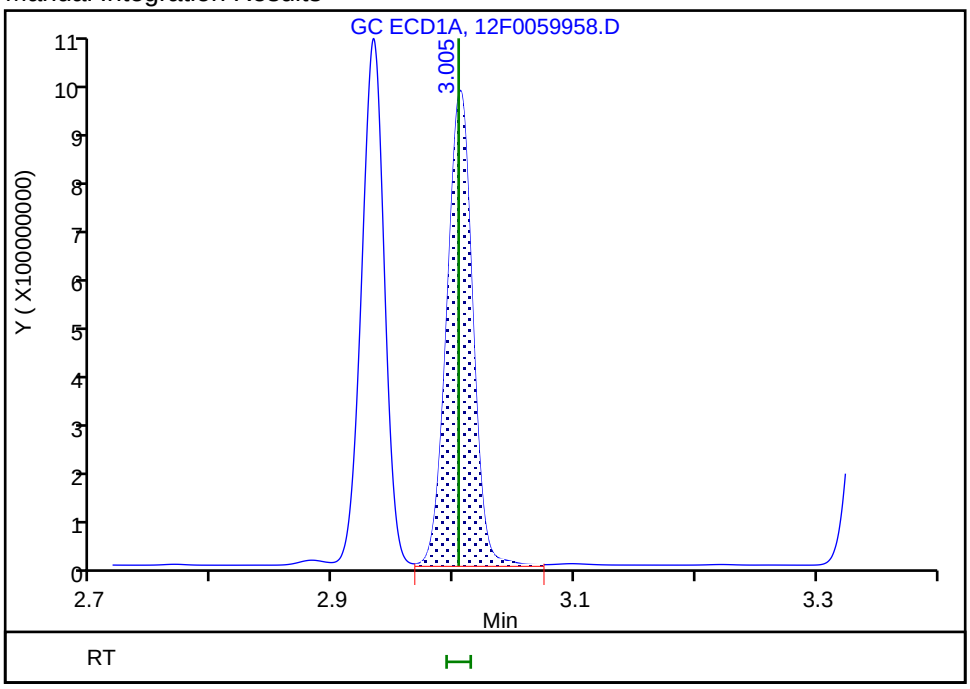
Processing Integration Results

RT: 3.00
Area: 1371266331
Amount: 477.1874
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 1379974009
Amount: 479.6363
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:05 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

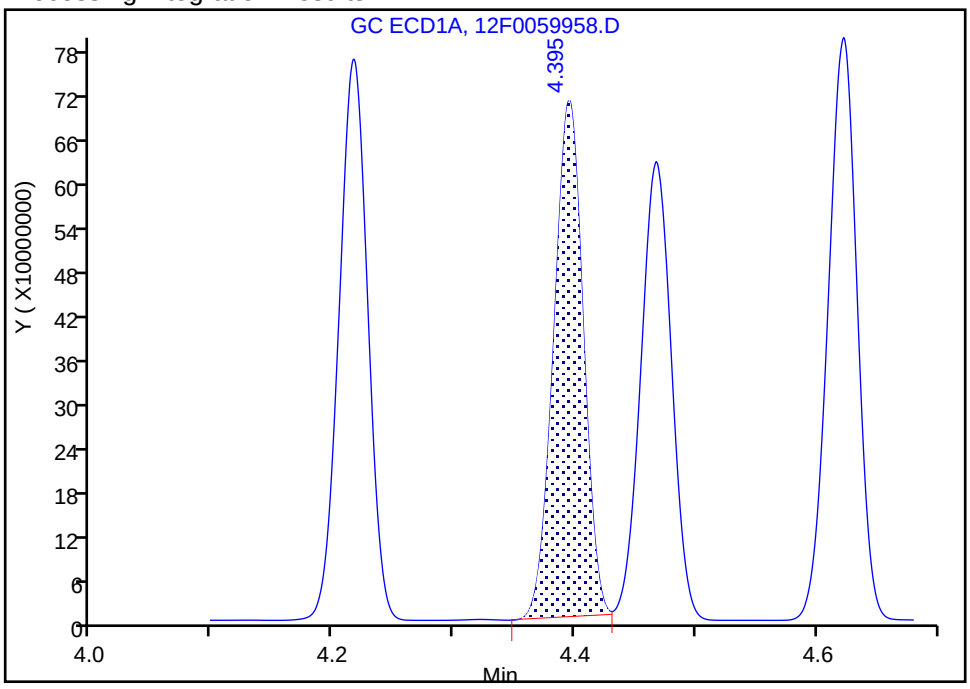
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D
Injection Date: 05-Apr-2024 09:27:43 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

23 cis-Chlordane, CAS: 5103-71-9

Signal: 1

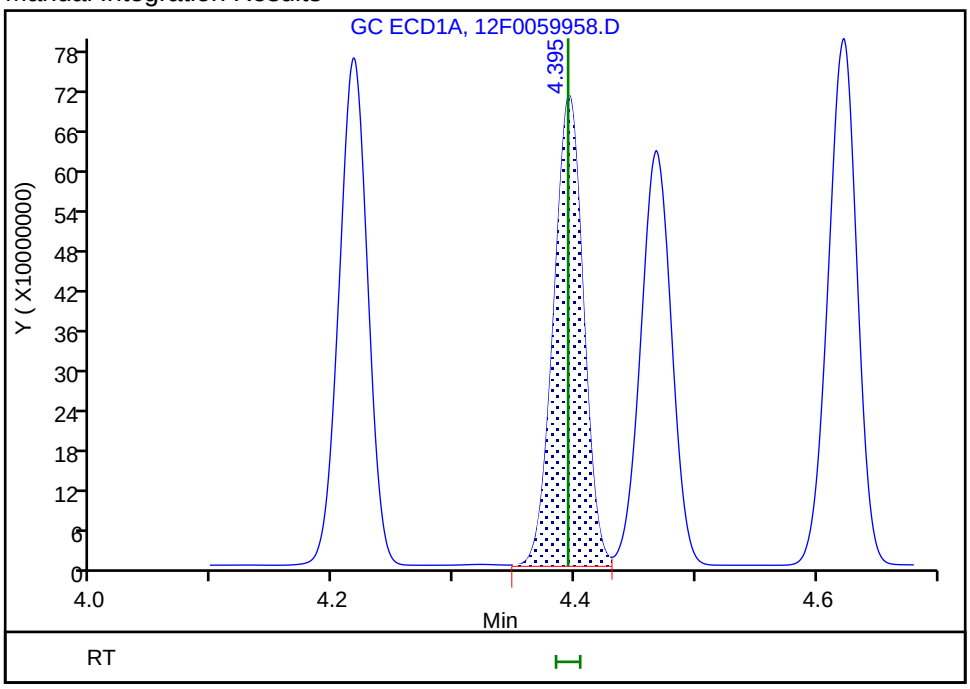
RT: 4.40
Area: 1190761476
Amount: 476.9532
Amount Units: ug/l

Processing Integration Results



RT: 4.40
Area: 1214508526
Amount: 484.6211
Amount Units: ug/l

Manual Integration Results



Reviewer: ESS0, 05-Apr-2024 09:43:09 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

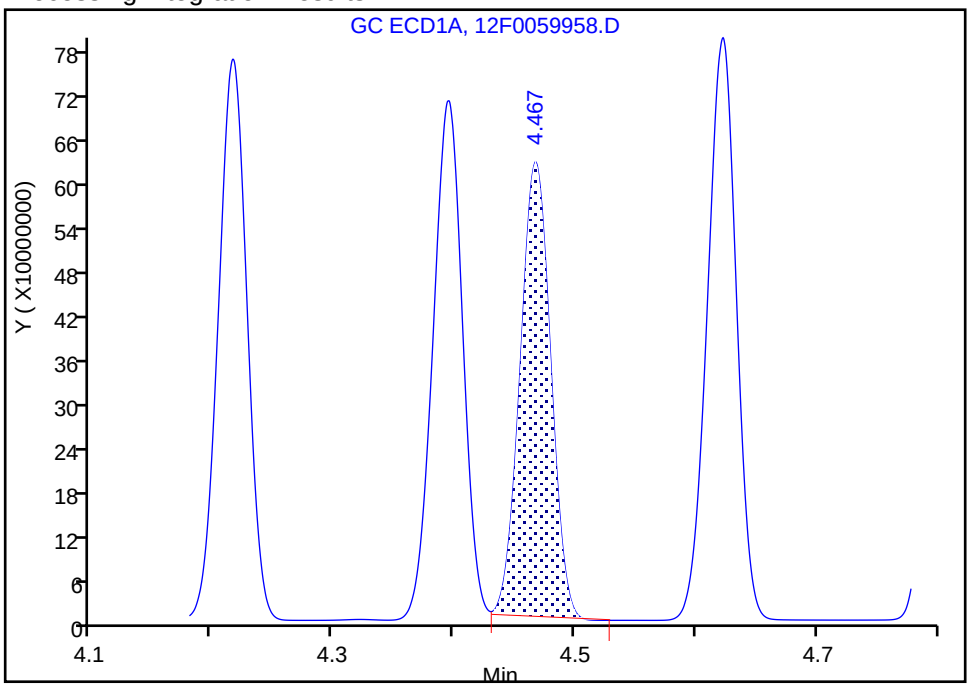
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Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

7 Endosulfan I, CAS: 959-98-8

Signal: 1

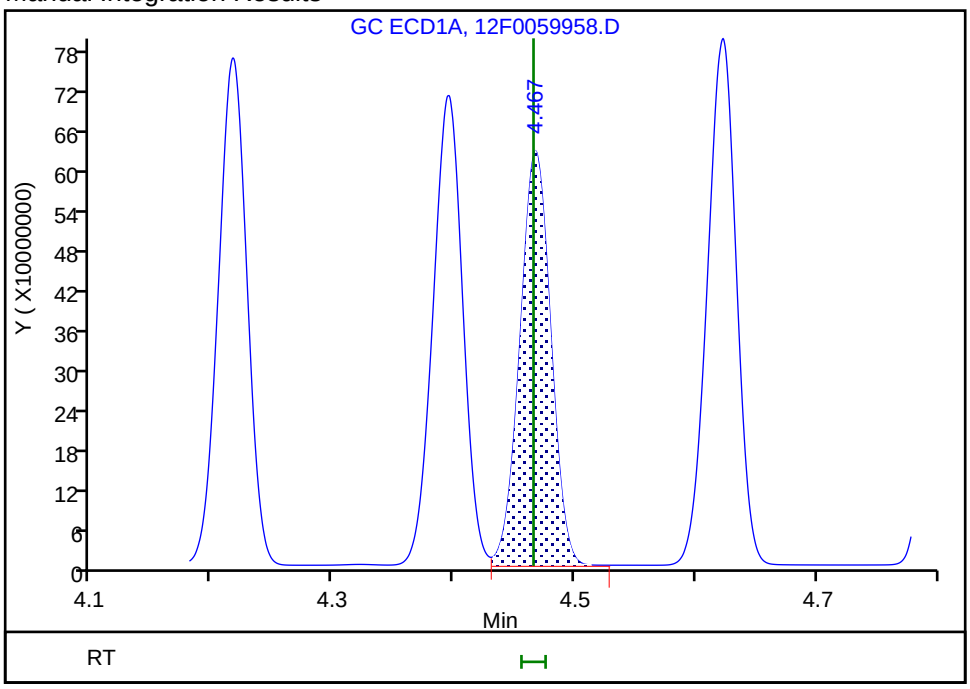
Processing Integration Results

RT: 4.47
Area: 1085384015
Amount: 462.9327
Amount Units: ug/l



Manual Integration Results

RT: 4.47
Area: 1109329319
Amount: 471.2207
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:09 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

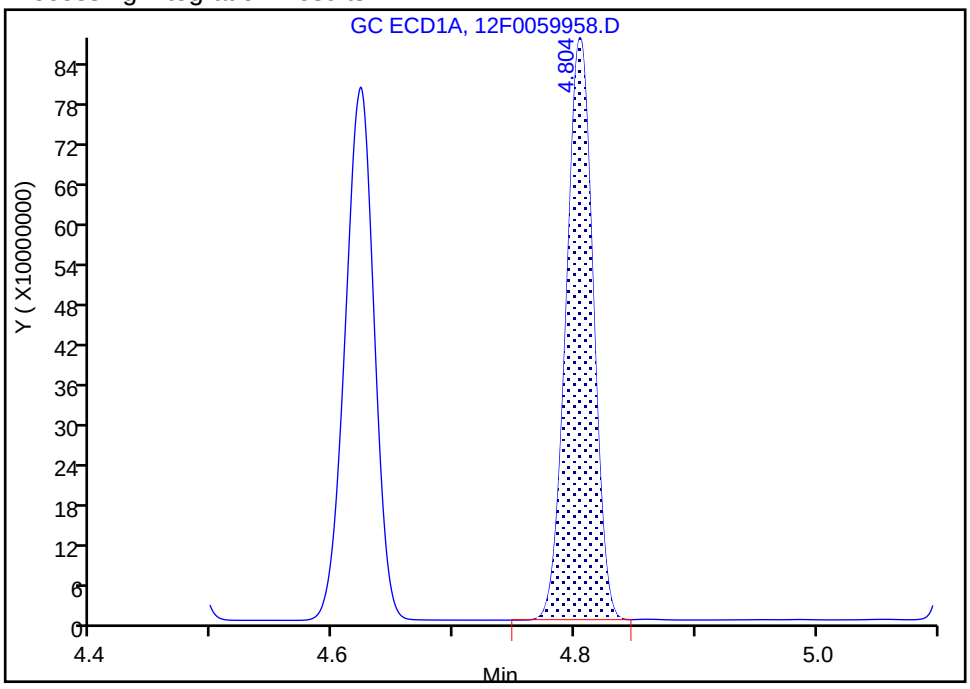
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D				
Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

30 Dieldrin, CAS: 60-57-1

Signal: 1

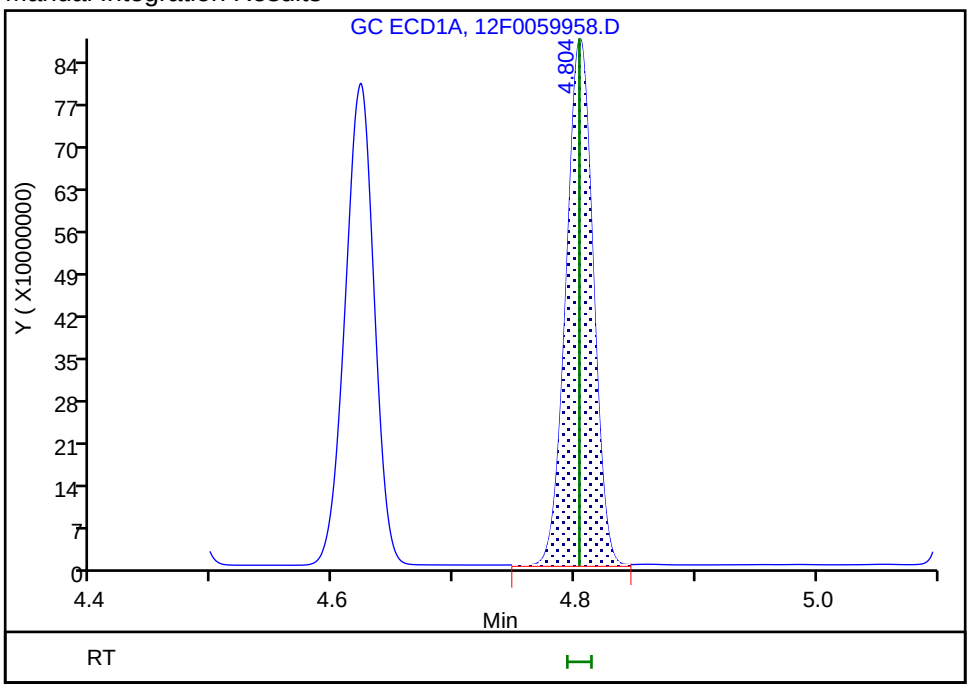
Processing Integration Results

RT: 4.80
Area: 1342445654
Amount: 483.6618
Amount Units: ug/l



Manual Integration Results

RT: 4.80
Area: 1345269157
Amount: 484.4819
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:12 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

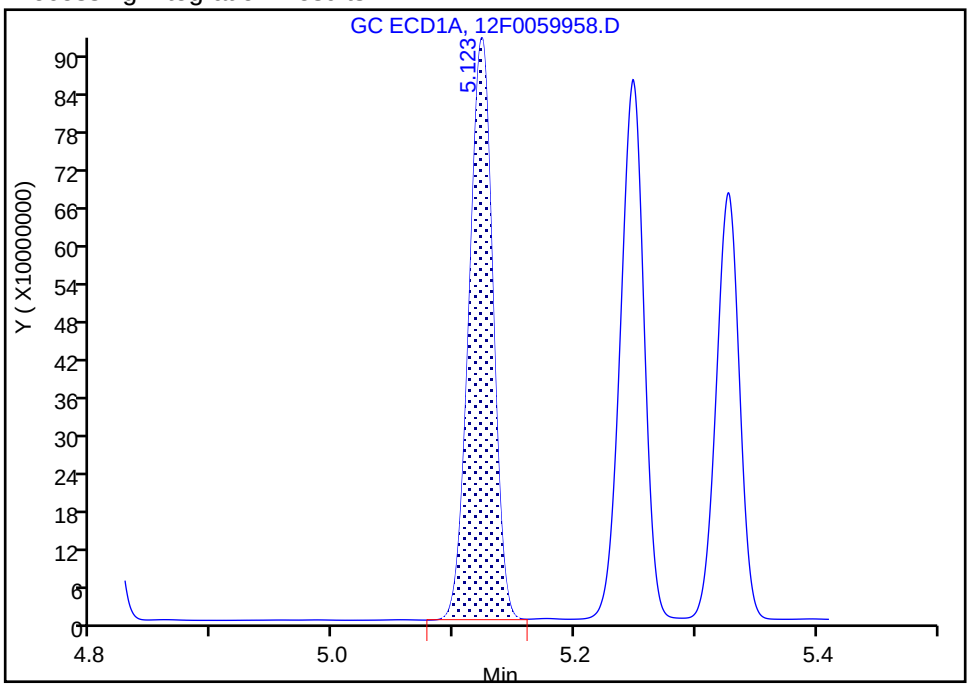
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D
Injection Date: 05-Apr-2024 09:27:43 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8

Signal: 1

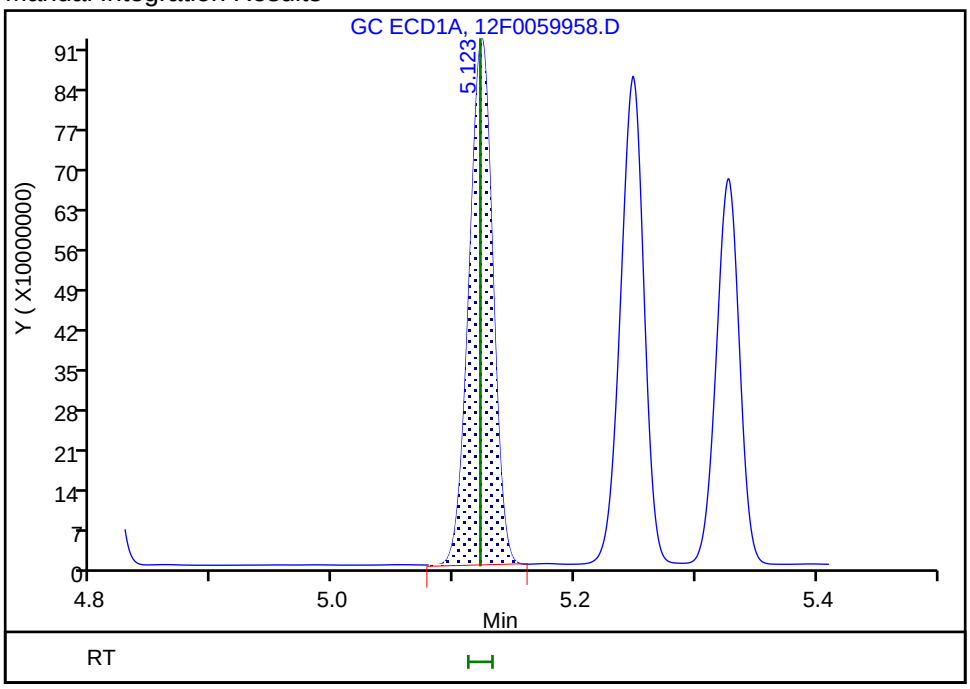
Processing Integration Results

RT: 5.12
Area: 1251197808
Amount: 482.5160
Amount Units: ug/l



Manual Integration Results

RT: 5.12
Area: 1254417652
Amount: 483.5176
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:12 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

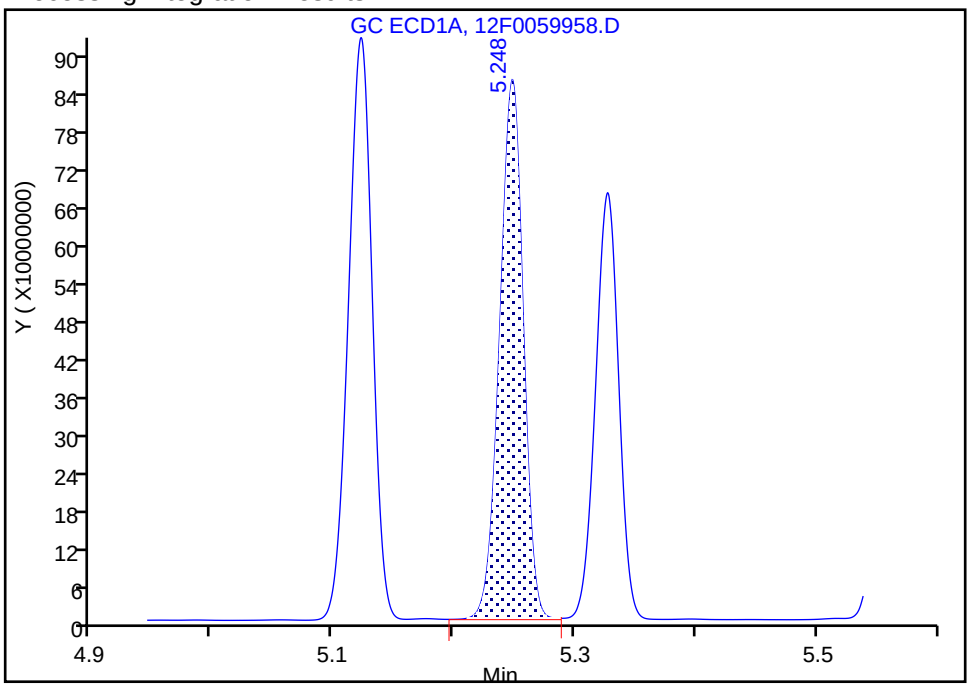
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D				
Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

16 4,4'-DDD, CAS: 72-54-8

Signal: 1

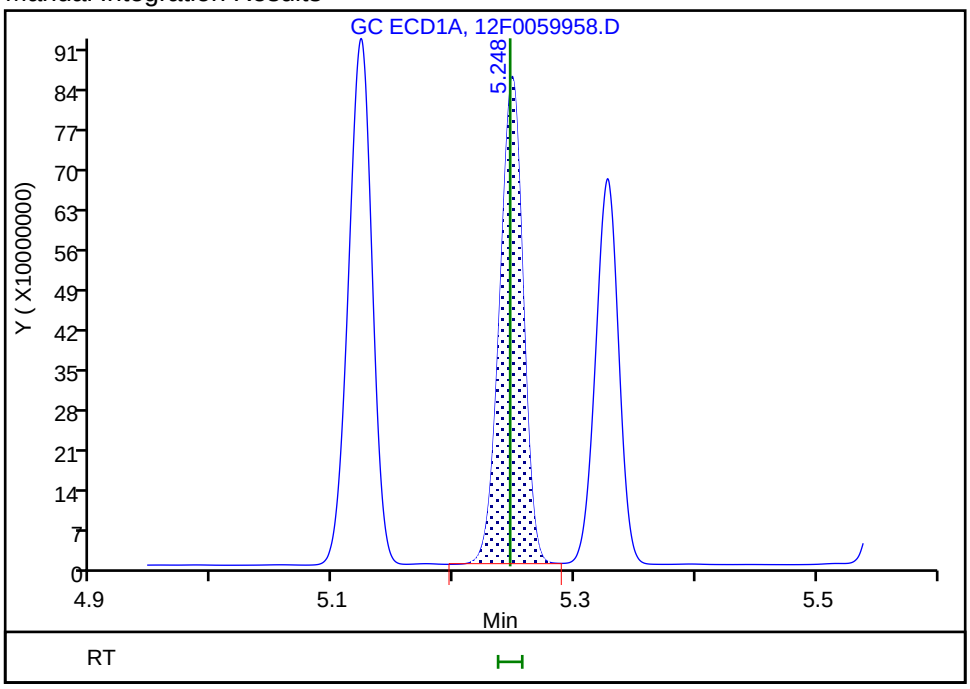
Processing Integration Results

RT: 5.25
Area: 1147427620
Amount: 498.6372
Amount Units: ug/l



Manual Integration Results

RT: 5.25
Area: 1156581883
Amount: 501.8169
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:12 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

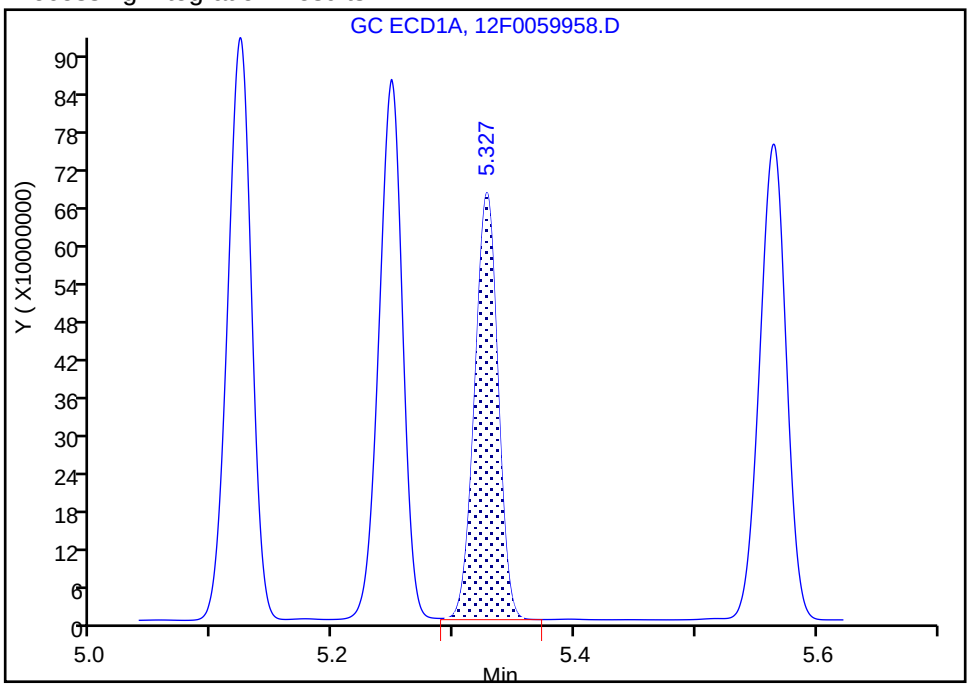
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Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

11 Endosulfan II, CAS: 33213-65-9

Signal: 1

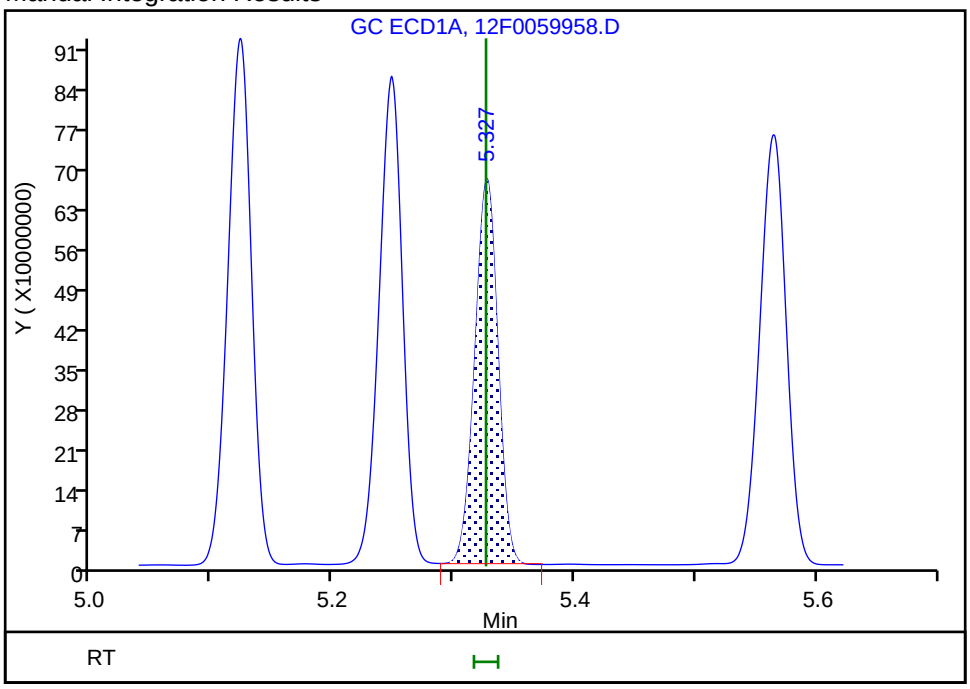
Processing Integration Results

RT: 5.33
Area: 892383745
Amount: 389.3994
Amount Units: ug/l



Manual Integration Results

RT: 5.33
Area: 899502085
Amount: 392.0185
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:12 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

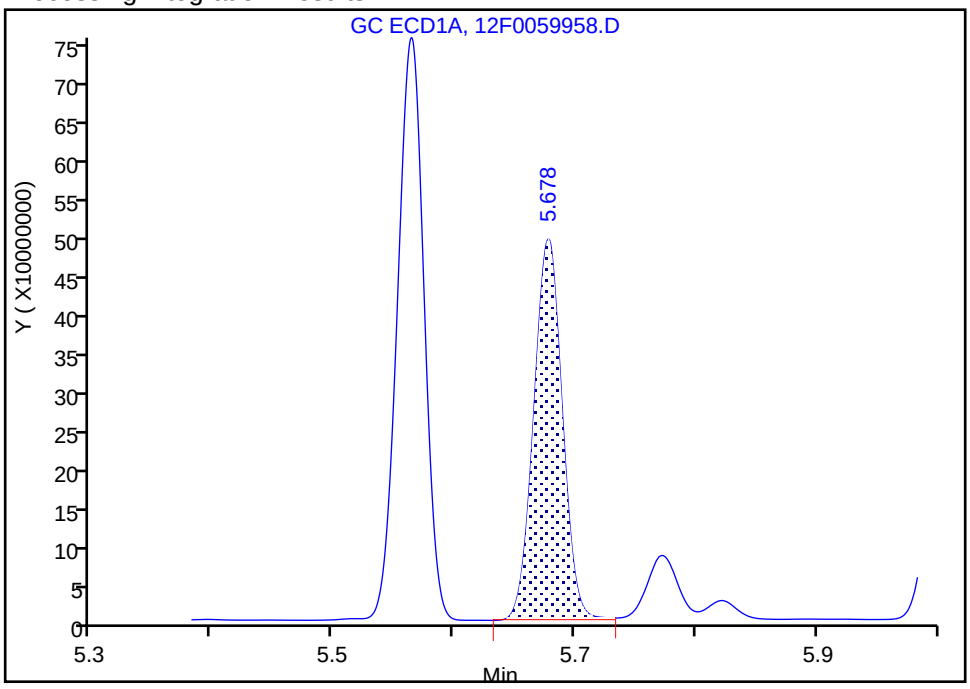
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Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

5 Endrin aldehyde, CAS: 7421-93-4

Signal: 1

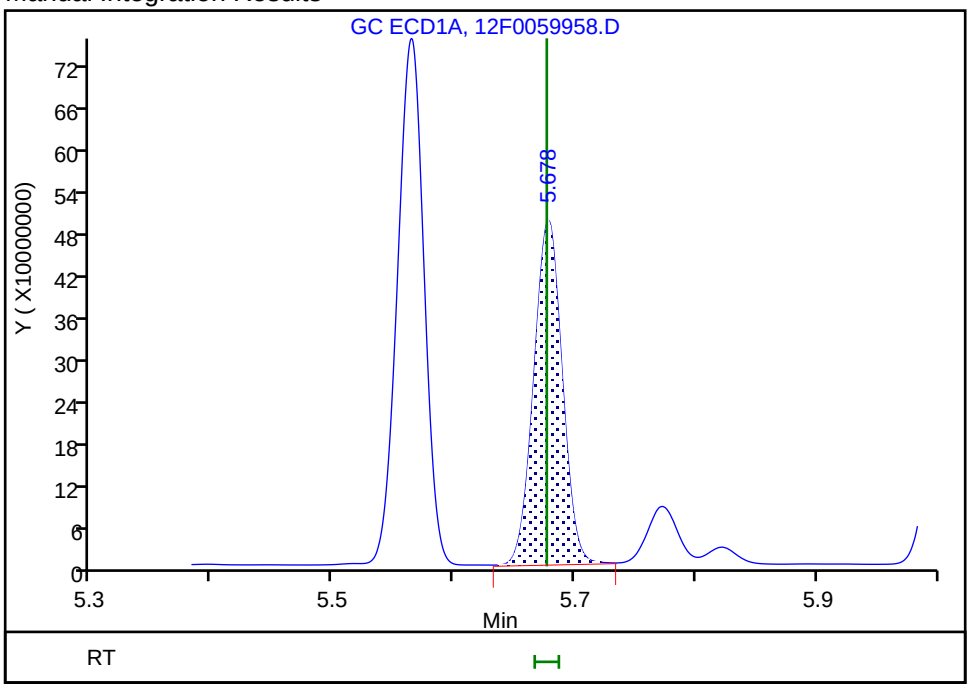
Processing Integration Results

RT: 5.68
Area: 799357109
Amount: 466.7117
Amount Units: ug/l



Manual Integration Results

RT: 5.68
Area: 803720385
Amount: 468.7815
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:15 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

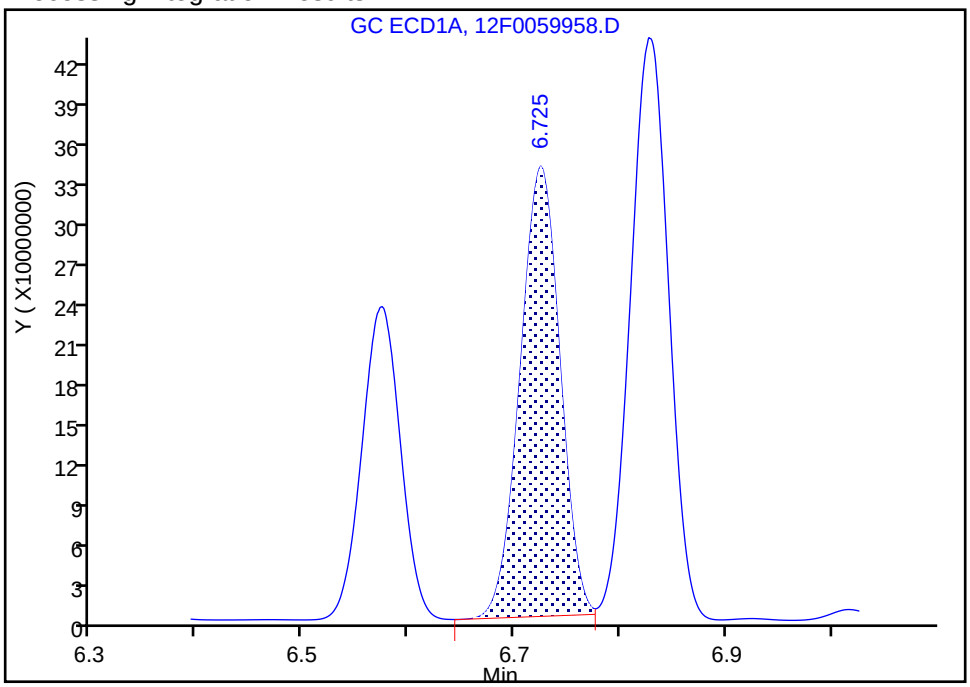
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Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

34 Mirex, CAS: 2385-85-5

Signal: 1

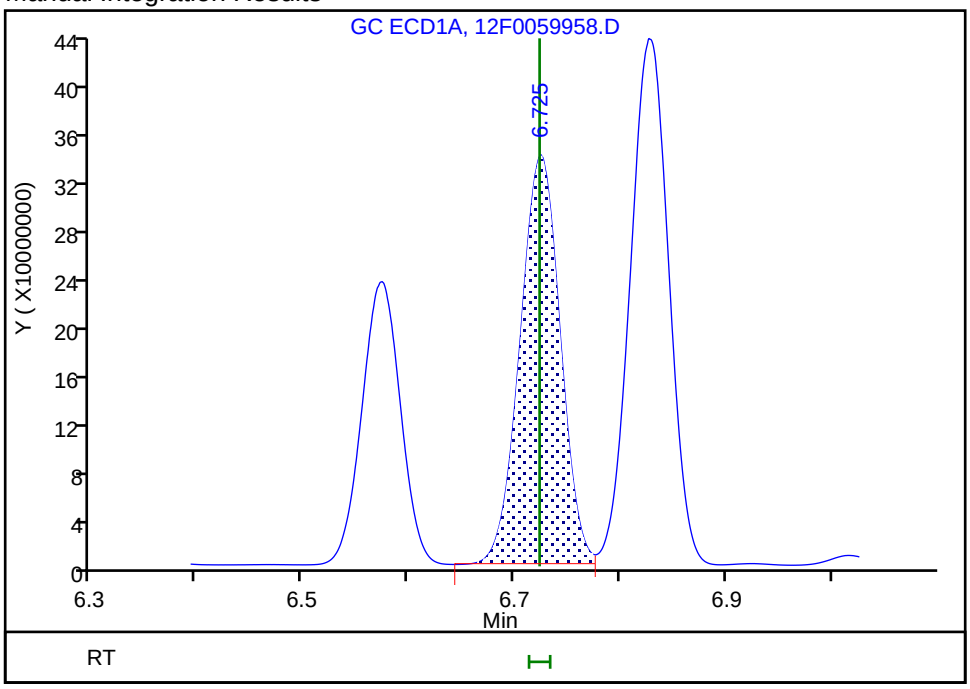
Processing Integration Results

RT: 6.72
Area: 863246222
Amount: 455.3522
Amount Units: ug/l



Manual Integration Results

RT: 6.72
Area: 879326405
Amount: 462.2659
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:19 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

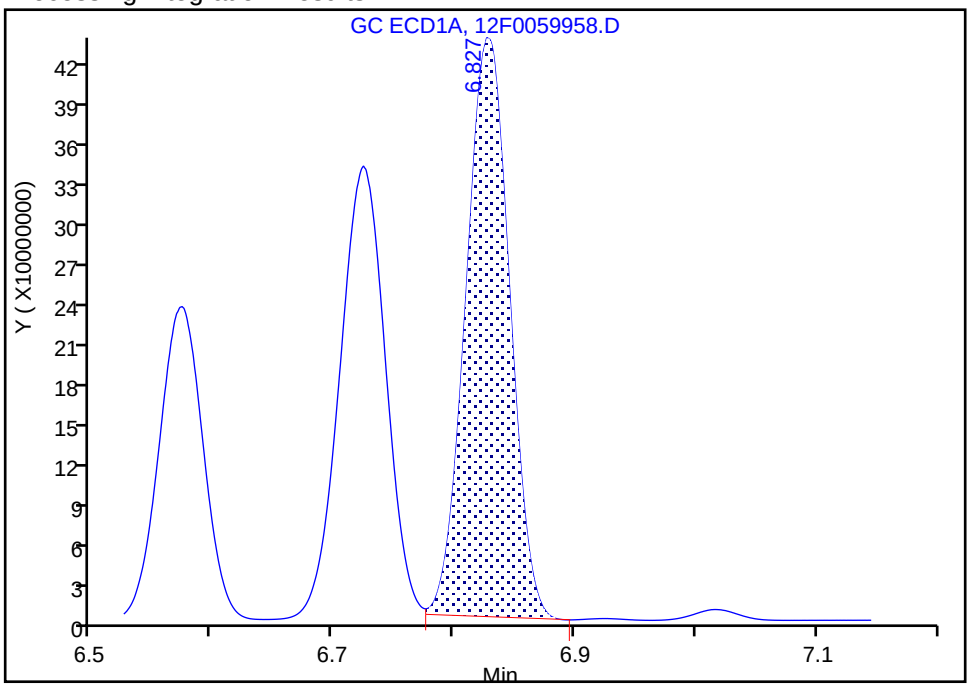
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D				
Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

13 Endrin ketone, CAS: 53494-70-5

Signal: 1

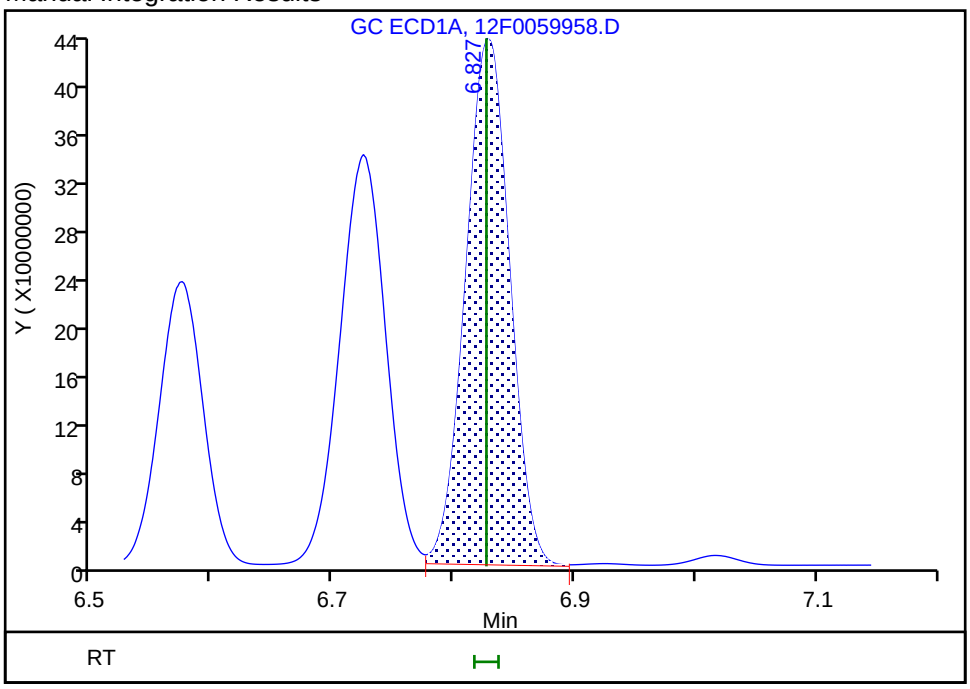
Processing Integration Results

RT: 6.83
Area: 1066177122
Amount: 487.9753
Amount Units: ug/l



Manual Integration Results

RT: 6.83
Area: 1081276305
Amount: 493.5218
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:19 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Calibration / Tetrachloro-m-xylene

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

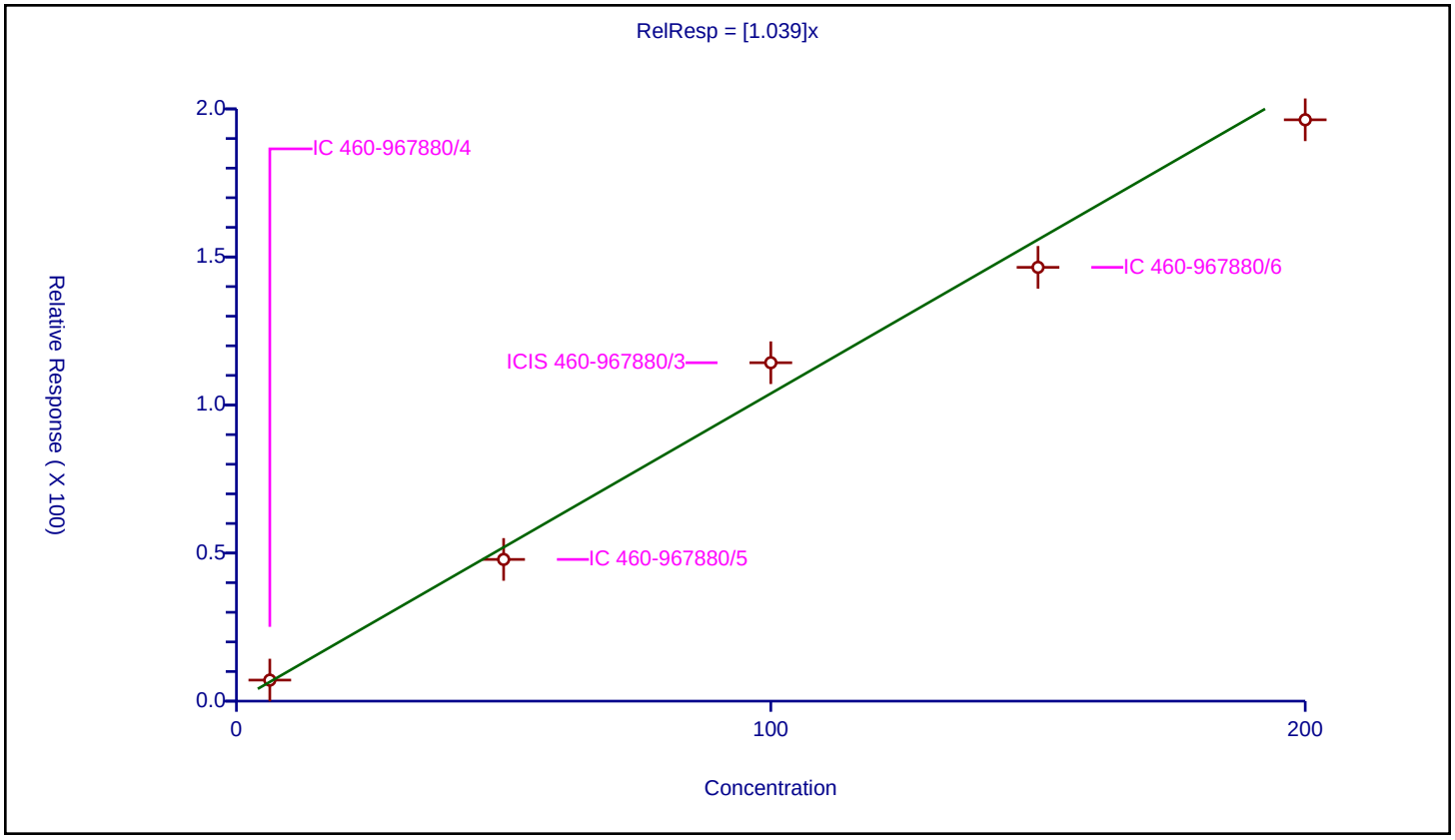
Curve Coefficients

Intercept:	0
Slope:	1.039

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	6.25	7.105372	100.0	193815746.0	1.13686	Y
2	IC 460-967880/5	50.0	47.849892	100.0	225607381.0	0.956998	Y
3	ICIS 460-967880/3	100.0	114.287897	100.0	186453952.0	1.142879	Y
4	IC 460-967880/6	150.0	146.492083	100.0	241906873.0	0.976614	Y
5	IC 460-967880/7	200.0	196.31738	100.0	211114612.0	0.981587	Y



Calibration / alpha-BHC

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

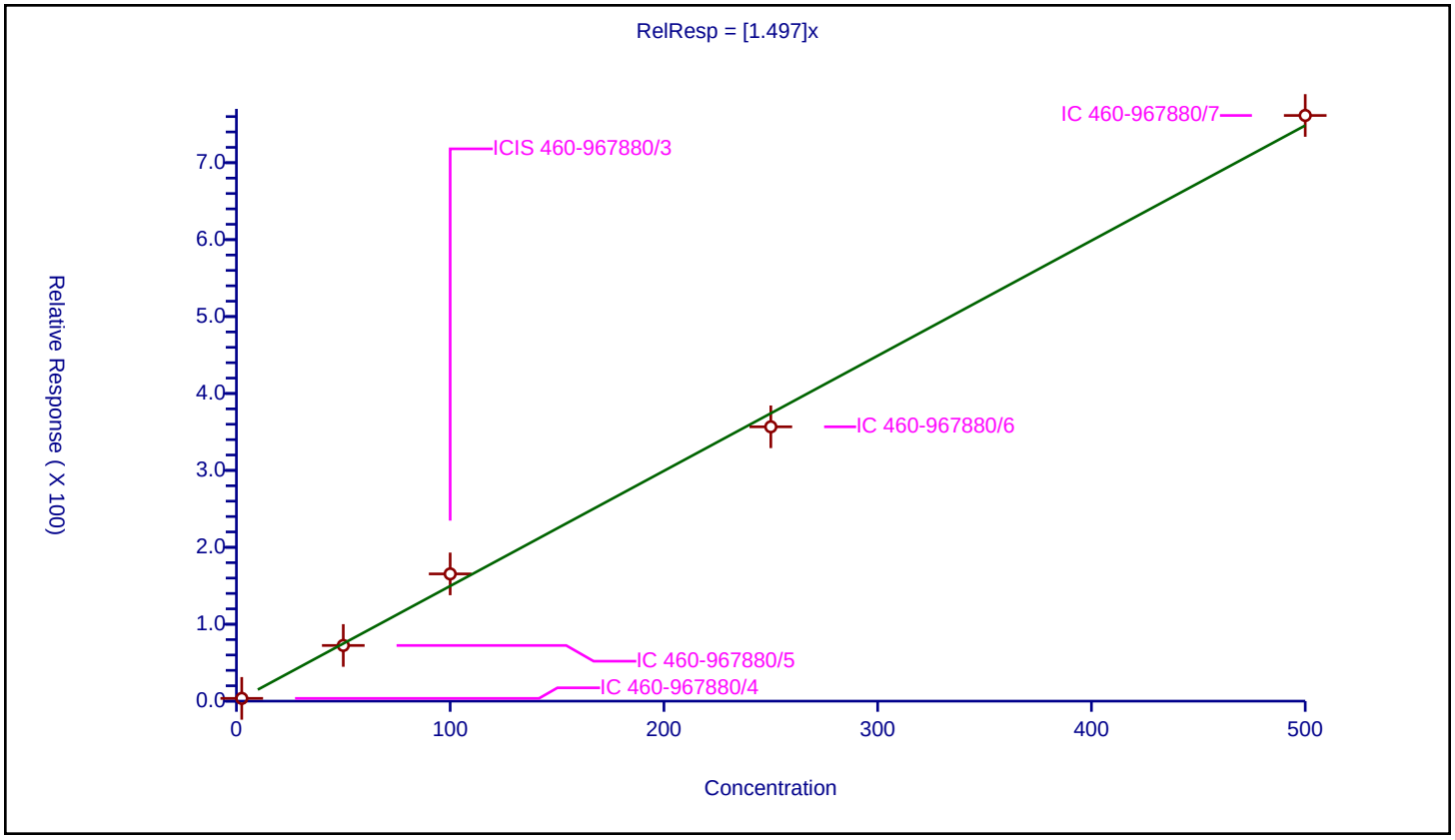
Curve Coefficients

Intercept:	0
Slope:	1.497

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.580167	100.0	193815746.0	1.432067	Y
2	IC 460-967880/5	50.0	72.40436	100.0	225607381.0	1.448087	Y
3	ICIS 460-967880/3	100.0	165.44881	100.0	186453952.0	1.654488	Y
4	IC 460-967880/6	250.0	356.666693	100.0	241906873.0	1.426667	Y
5	IC 460-967880/7	500.0	761.447709	100.0	211114612.0	1.522895	Y



Calibration / gamma-BHC (Lindane)

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

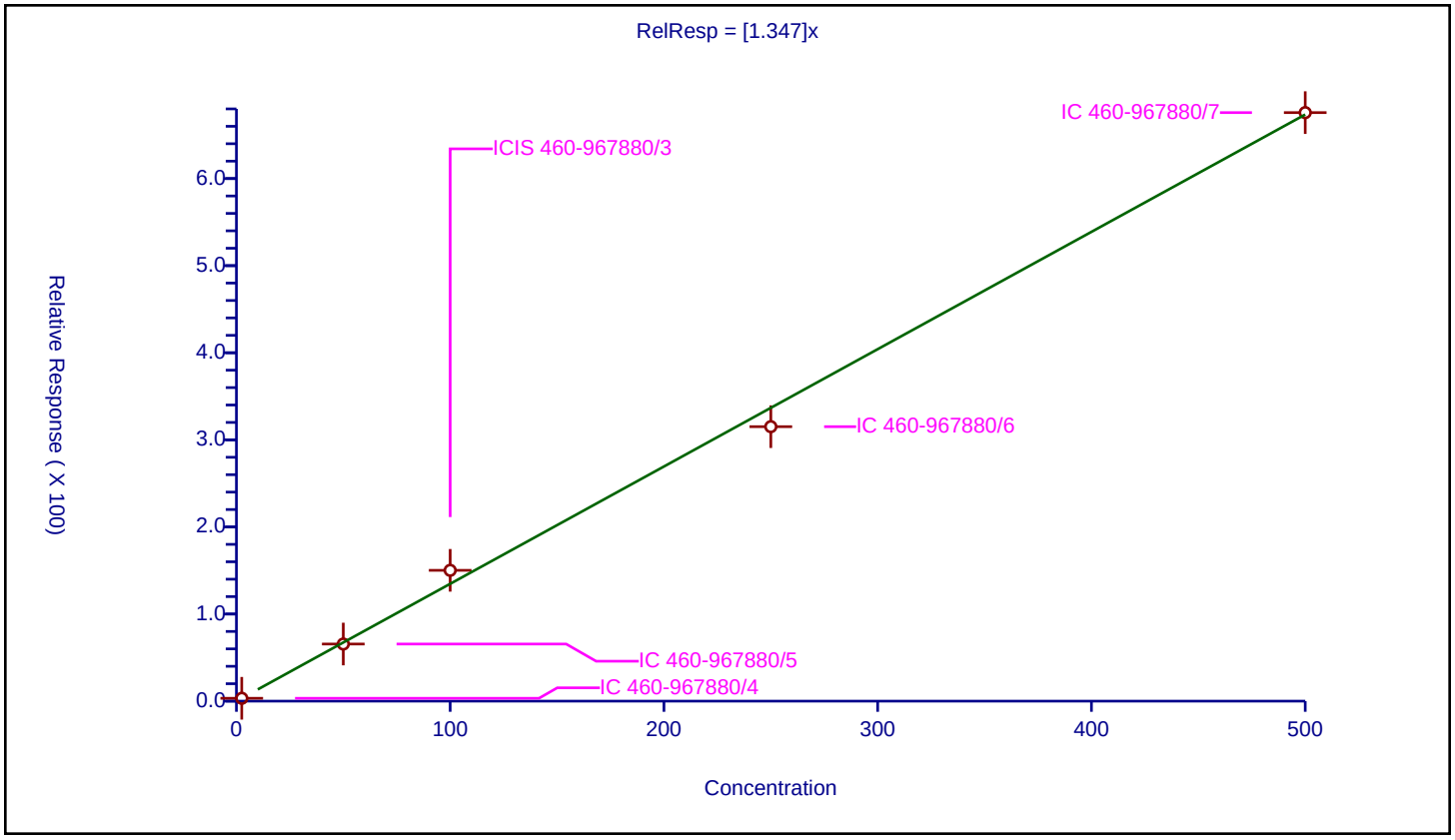
Curve Coefficients

Intercept:	0
Slope:	1.347

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.274466	100.0	193815746.0	1.309786	Y
2	IC 460-967880/5	50.0	65.580453	100.0	225607381.0	1.311609	Y
3	ICIS 460-967880/3	100.0	150.184415	100.0	186453952.0	1.501844	Y
4	IC 460-967880/6	250.0	315.144956	100.0	241906873.0	1.26058	Y
5	IC 460-967880/7	500.0	675.706389	100.0	211114612.0	1.351413	Y



Calibration / beta-BHC

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

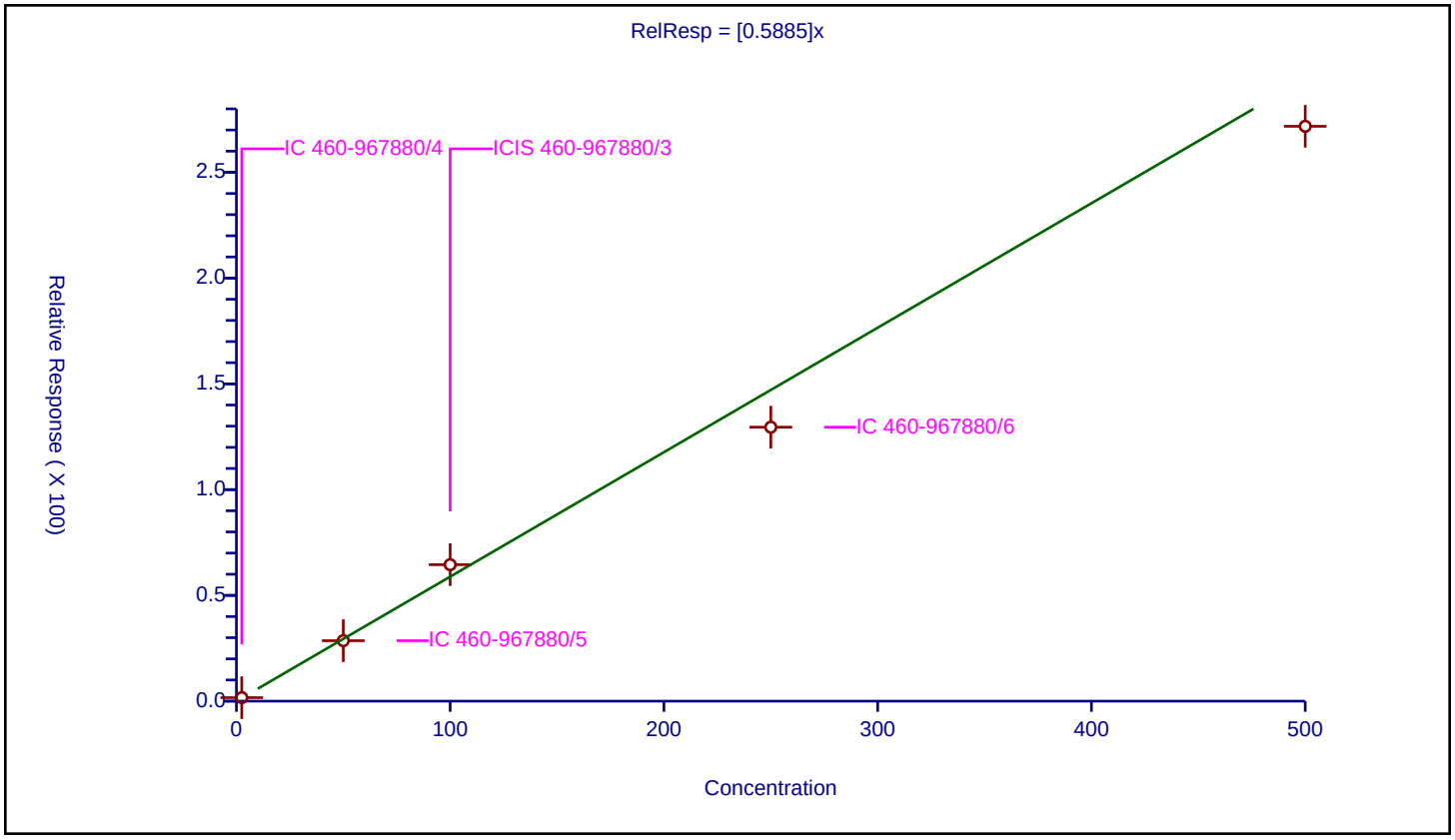
Curve Coefficients

Intercept:	0
Slope:	0.5885

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	1.659727	100.0	193815746.0	0.663891	Y
2	IC 460-967880/5	50.0	28.580943	100.0	225607381.0	0.571619	Y
3	ICIS 460-967880/3	100.0	64.520646	100.0	186453952.0	0.645206	Y
4	IC 460-967880/6	250.0	129.526266	100.0	241906873.0	0.518105	Y
5	IC 460-967880/7	500.0	271.767862	100.0	211114612.0	0.543536	Y



Calibration / delta-BHC

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

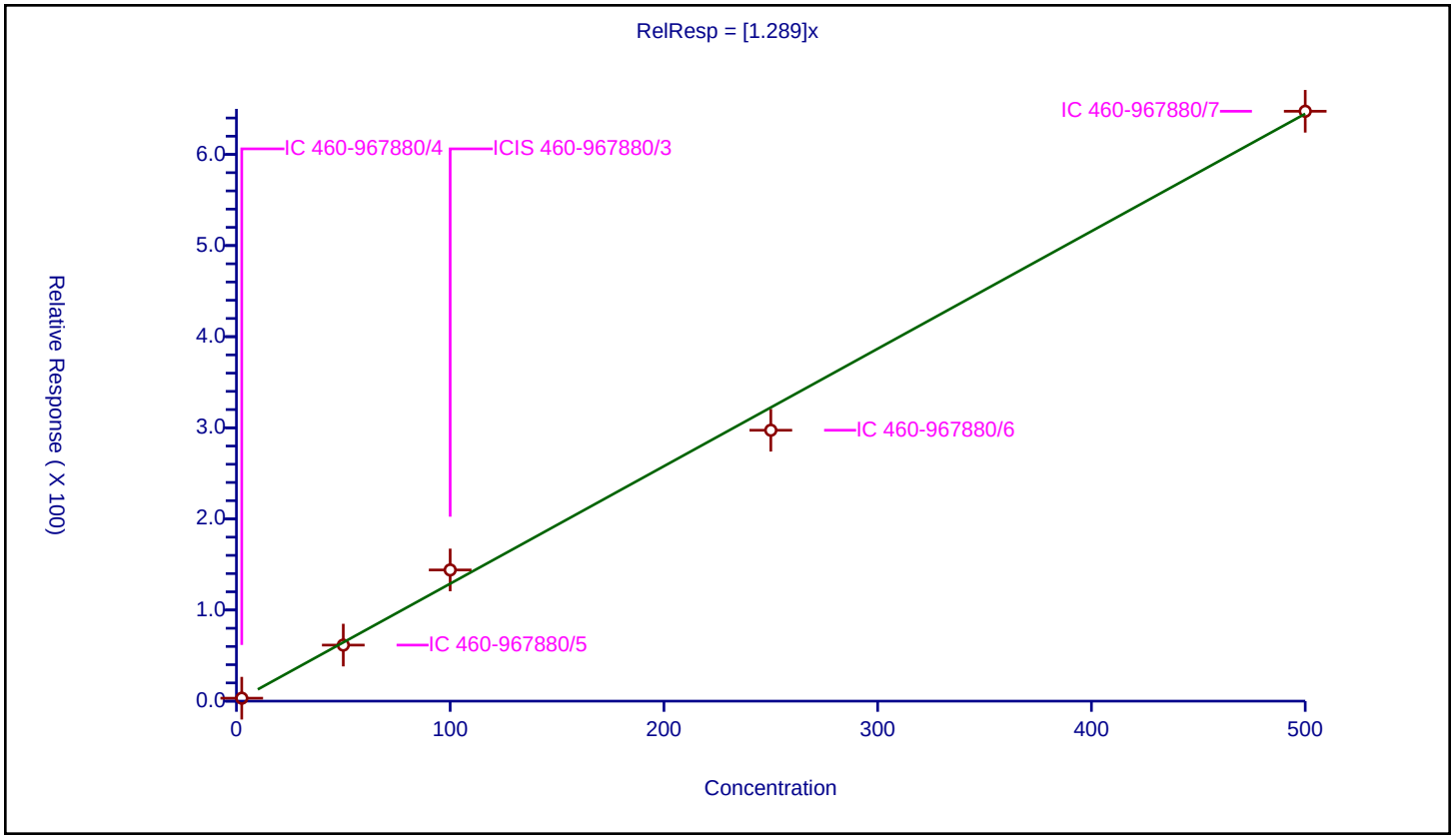
Curve Coefficients

Intercept:	0
Slope:	1.289

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.230495	100.0	193815746.0	1.292198	Y
2	IC 460-967880/5	50.0	61.510382	100.0	225607381.0	1.230208	Y
3	ICIS 460-967880/3	100.0	143.990109	100.0	186453952.0	1.439901	Y
4	IC 460-967880/6	250.0	297.312094	100.0	241906873.0	1.189248	Y
5	IC 460-967880/7	500.0	647.388081	100.0	211114612.0	1.294776	Y



Calibration / Heptachlor

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

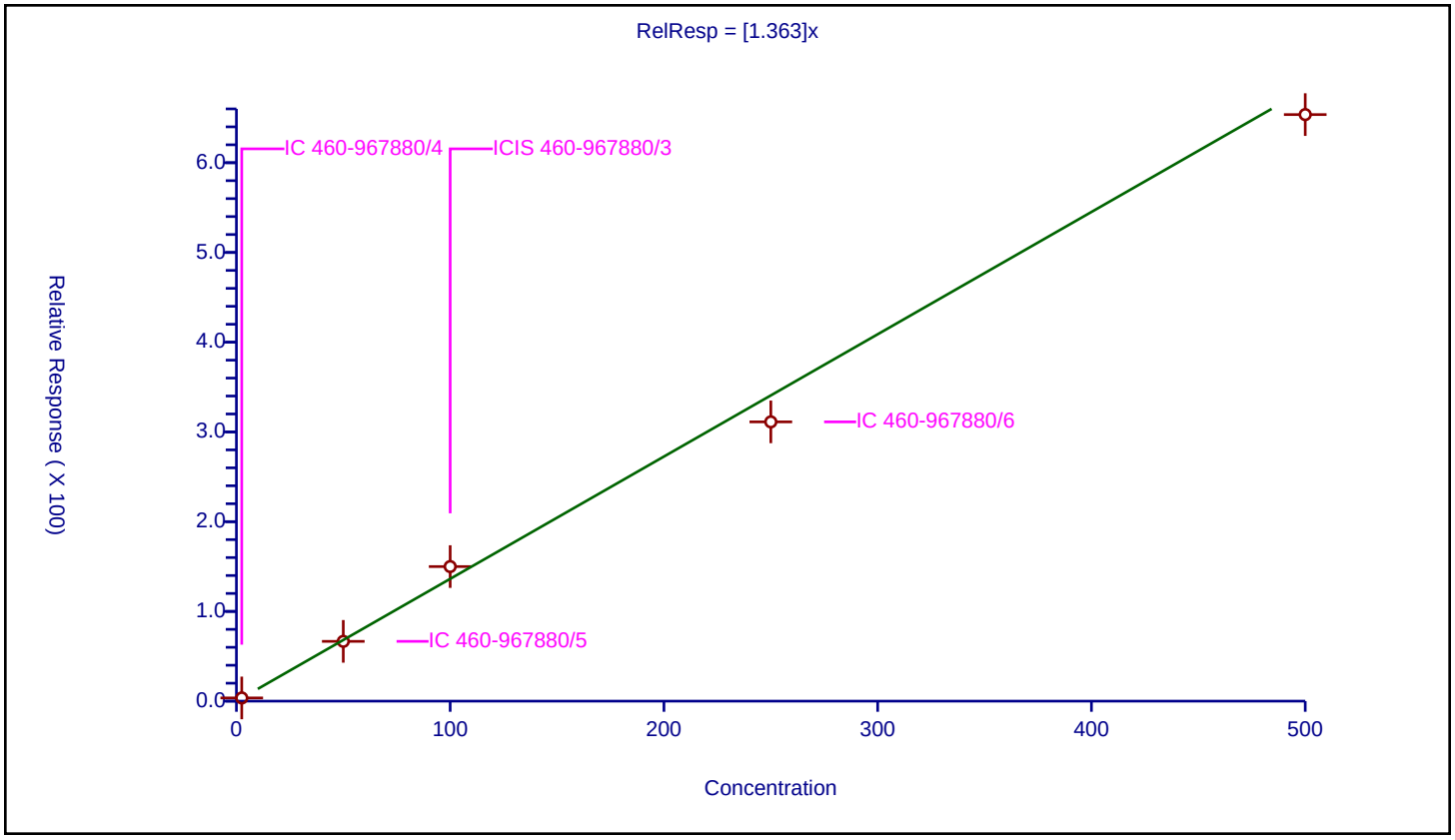
Curve Coefficients

Intercept:	0
Slope:	1.363

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.574919	100.0	193815746.0	1.429968	Y
2	IC 460-967880/5	50.0	66.617618	100.0	225607381.0	1.332352	Y
3	ICIS 460-967880/3	100.0	149.96589	100.0	186453952.0	1.499659	Y
4	IC 460-967880/6	250.0	311.207994	100.0	241906873.0	1.244832	Y
5	IC 460-967880/7	500.0	653.661059	100.0	211114612.0	1.307322	Y



Calibration / Aldrin

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

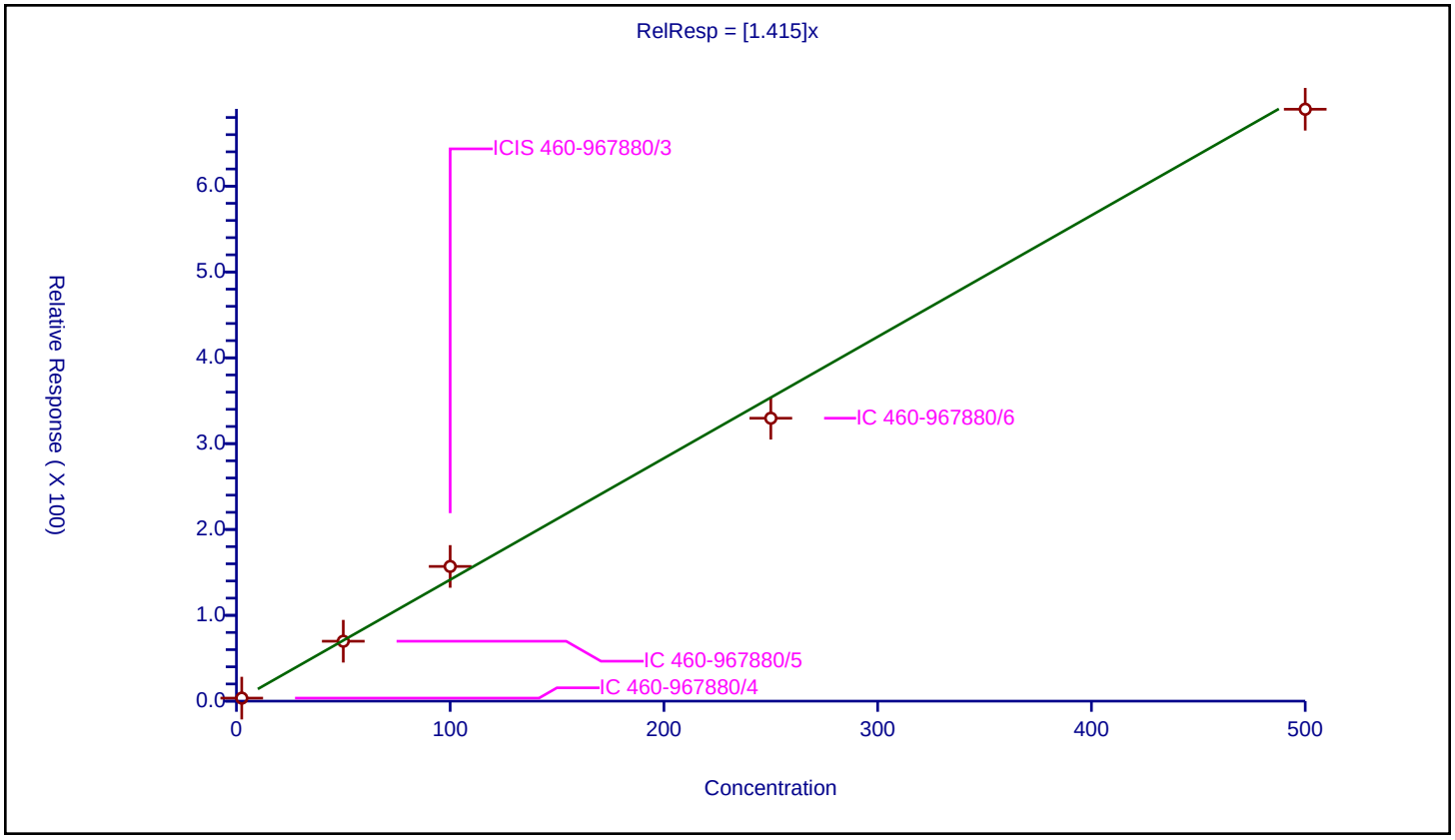
Curve Coefficients

Intercept:	0
Slope:	1.415

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.528986	100.0	193815746.0	1.411594	Y
2	IC 460-967880/5	50.0	69.792325	100.0	225607381.0	1.395847	Y
3	ICIS 460-967880/3	100.0	156.924214	100.0	186453952.0	1.569242	Y
4	IC 460-967880/6	250.0	329.622432	100.0	241906873.0	1.31849	Y
5	IC 460-967880/7	500.0	689.598585	100.0	211114612.0	1.379197	Y



Calibration / Heptachlor epoxide

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

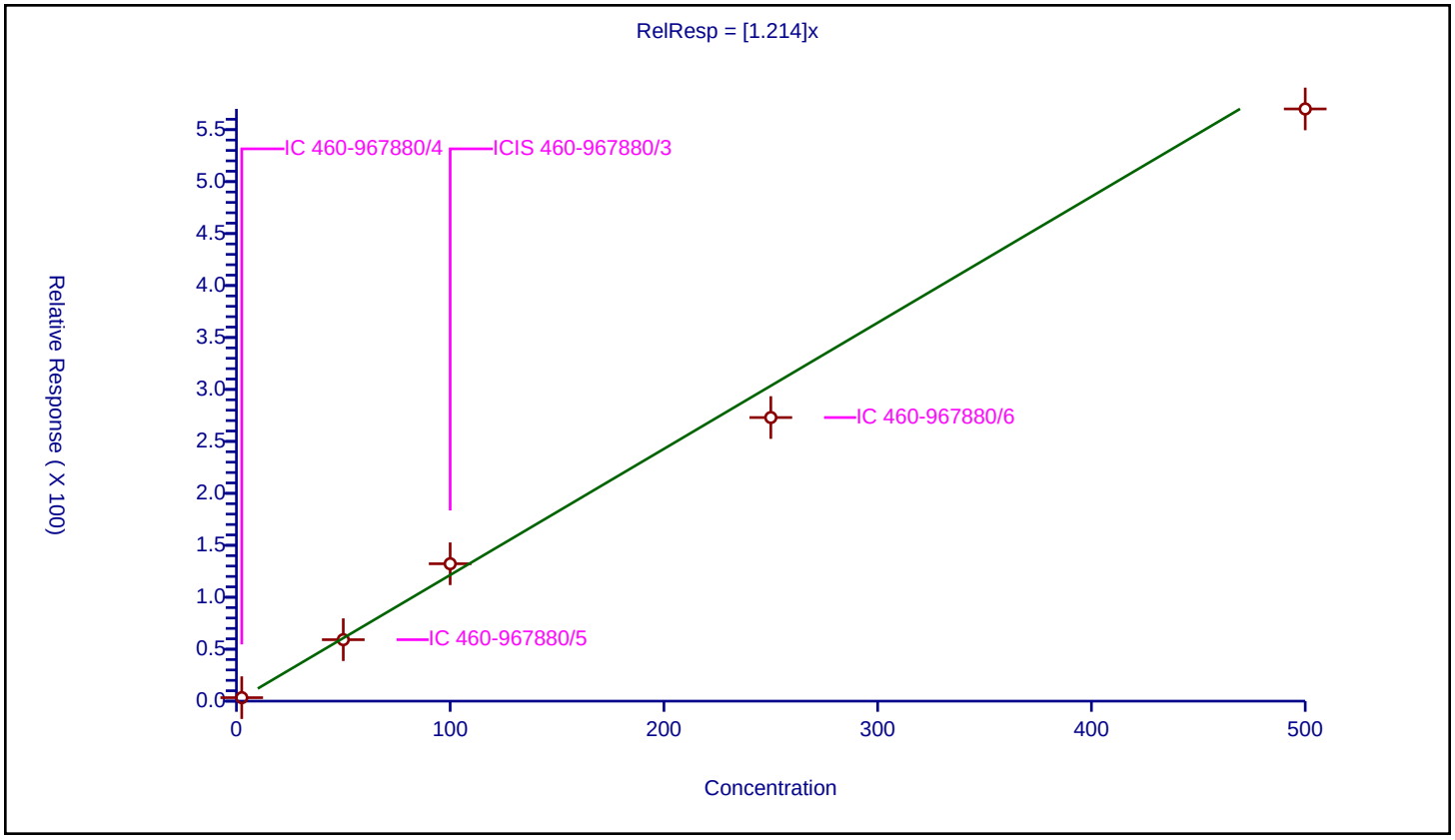
Curve Coefficients

Intercept:	0
Slope:	1.214

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.333378	100.0	193815746.0	1.333351	Y
2	IC 460-967880/5	50.0	59.136707	100.0	225607381.0	1.182734	Y
3	ICIS 460-967880/3	100.0	132.223391	100.0	186453952.0	1.322234	Y
4	IC 460-967880/6	250.0	272.949774	100.0	241906873.0	1.091799	Y
5	IC 460-967880/7	500.0	569.942546	100.0	211114612.0	1.139885	Y



Calibration / trans-Chlordane

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

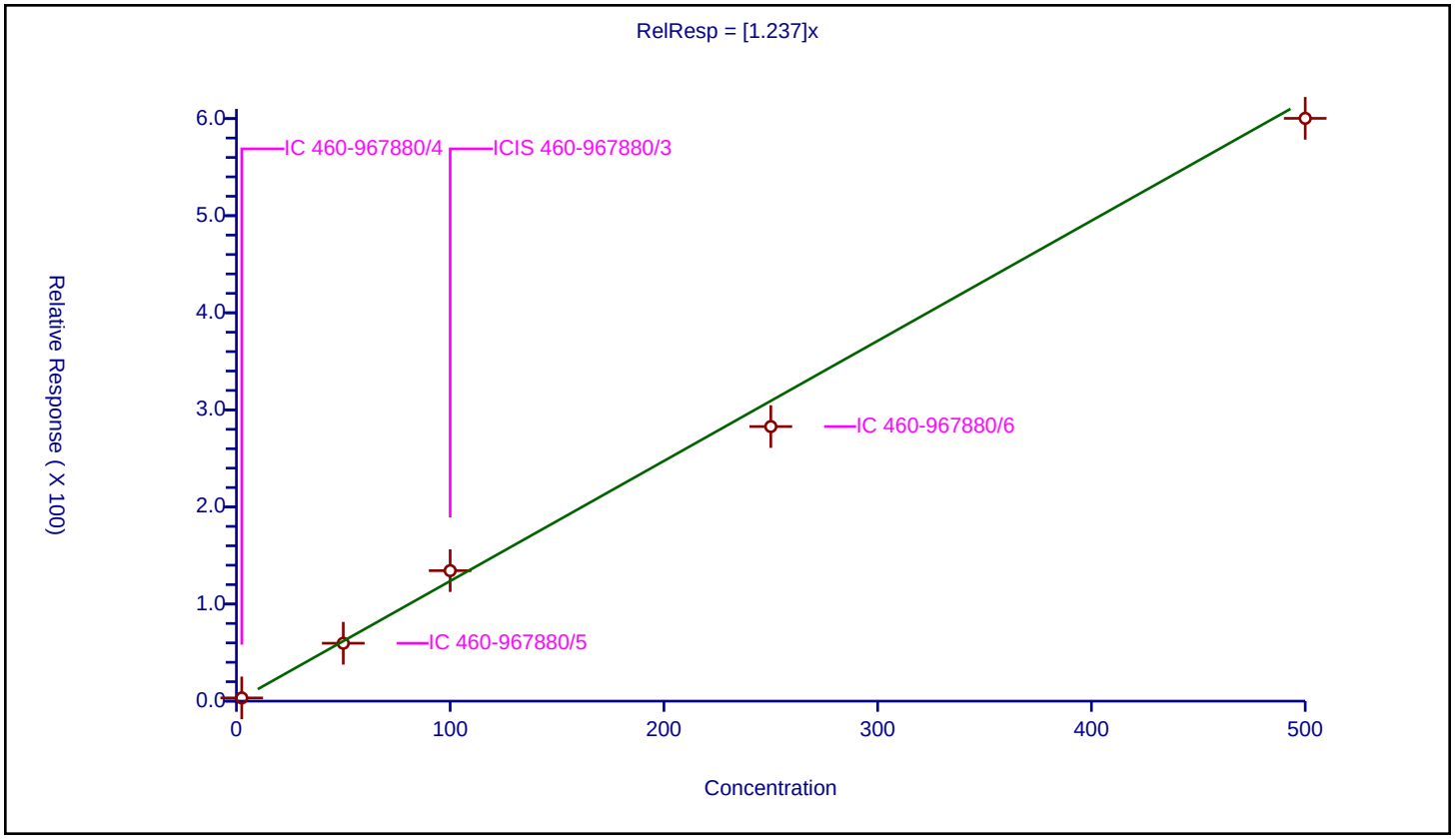
Curve Coefficients

Intercept:	0
Slope:	1.237

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.292851	100.0	193815746.0	1.31714	Y
2	IC 460-967880/5	50.0	59.611375	100.0	225607381.0	1.192228	Y
3	ICIS 460-967880/3	100.0	134.393651	100.0	186453952.0	1.343937	Y
4	IC 460-967880/6	250.0	282.807918	100.0	241906873.0	1.131232	Y
5	IC 460-967880/7	500.0	600.251955	100.0	211114612.0	1.200504	Y



Calibration / cis-Chlordane

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

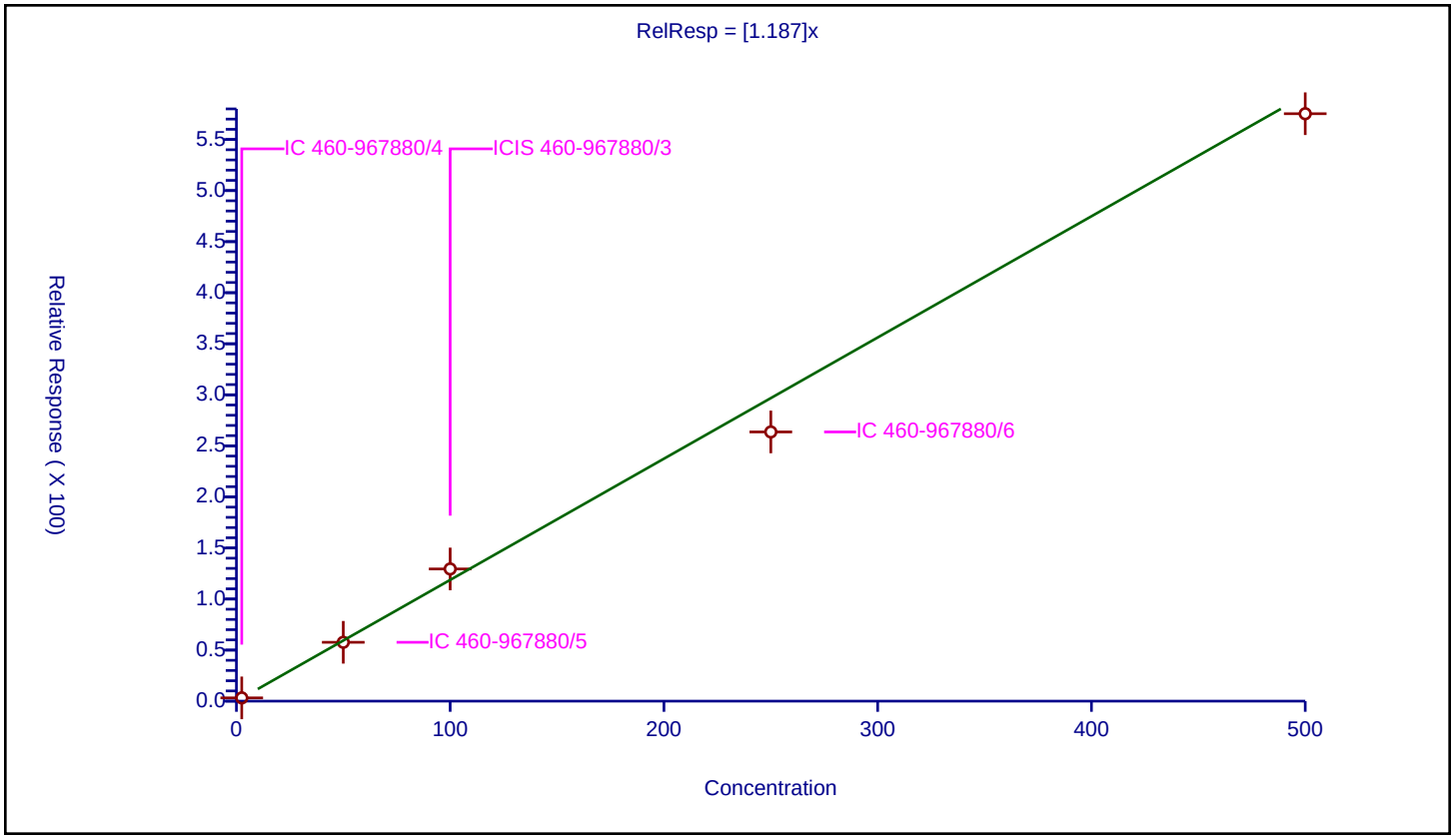
Curve Coefficients

Intercept:	0
Slope:	1.187

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.20732	100.0	193815746.0	1.282928	Y
2	IC 460-967880/5	50.0	57.632404	100.0	225607381.0	1.152648	Y
3	ICIS 460-967880/3	100.0	129.466176	100.0	186453952.0	1.294662	Y
4	IC 460-967880/6	250.0	263.648455	100.0	241906873.0	1.054594	Y
5	IC 460-967880/7	500.0	575.283972	100.0	211114612.0	1.150568	Y



Calibration / Endosulfan I

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

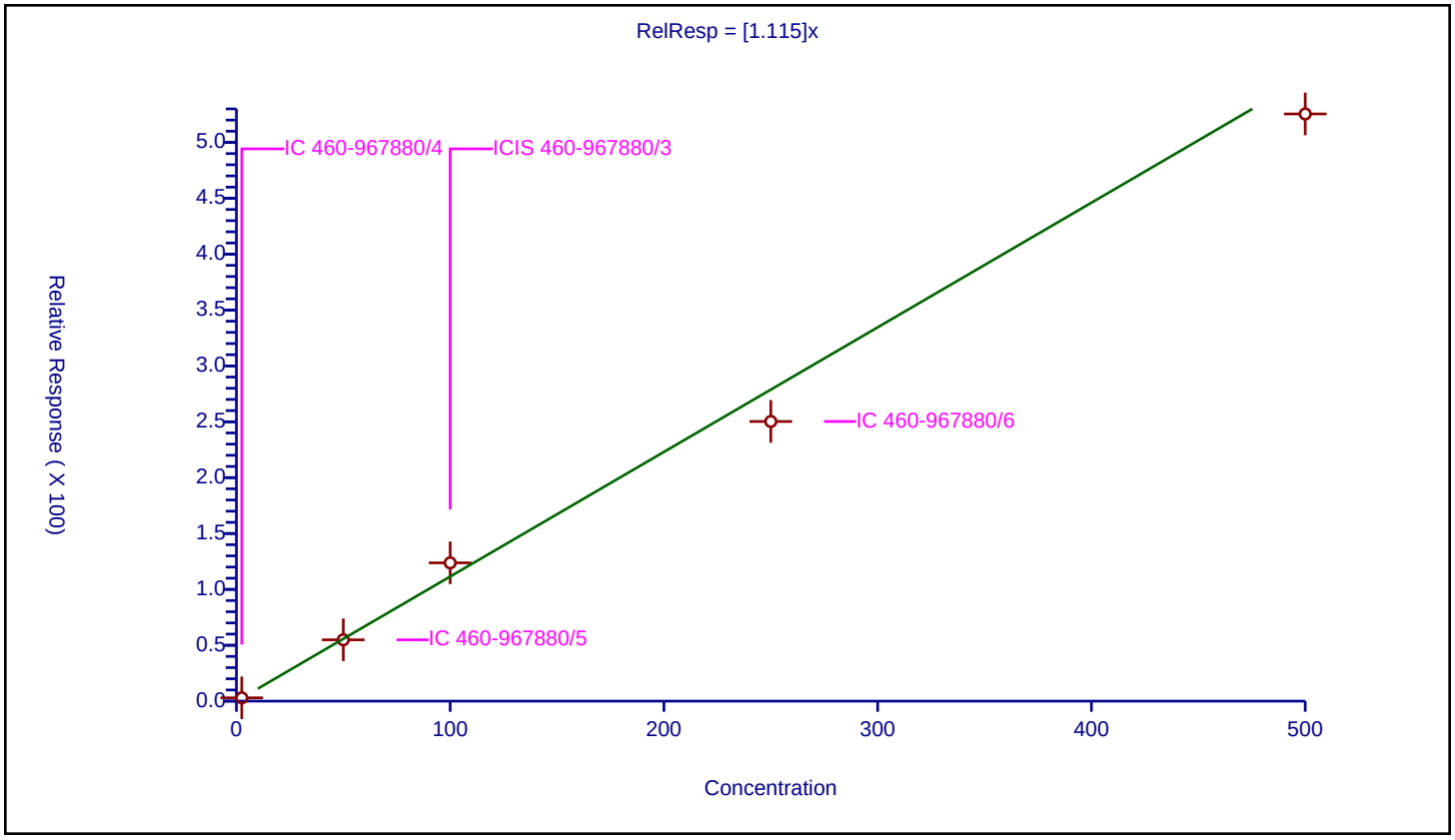
Curve Coefficients

Intercept:	0
Slope:	1.115

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.97111	100.0	193815746.0	1.188444	Y
2	IC 460-967880/5	50.0	54.879939	100.0	225607381.0	1.097599	Y
3	ICIS 460-967880/3	100.0	123.750327	100.0	186453952.0	1.237503	Y
4	IC 460-967880/6	250.0	250.26998	100.0	241906873.0	1.00108	Y
5	IC 460-967880/7	500.0	525.463069	100.0	211114612.0	1.050926	Y



Calibration / 4,4'-DDE

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

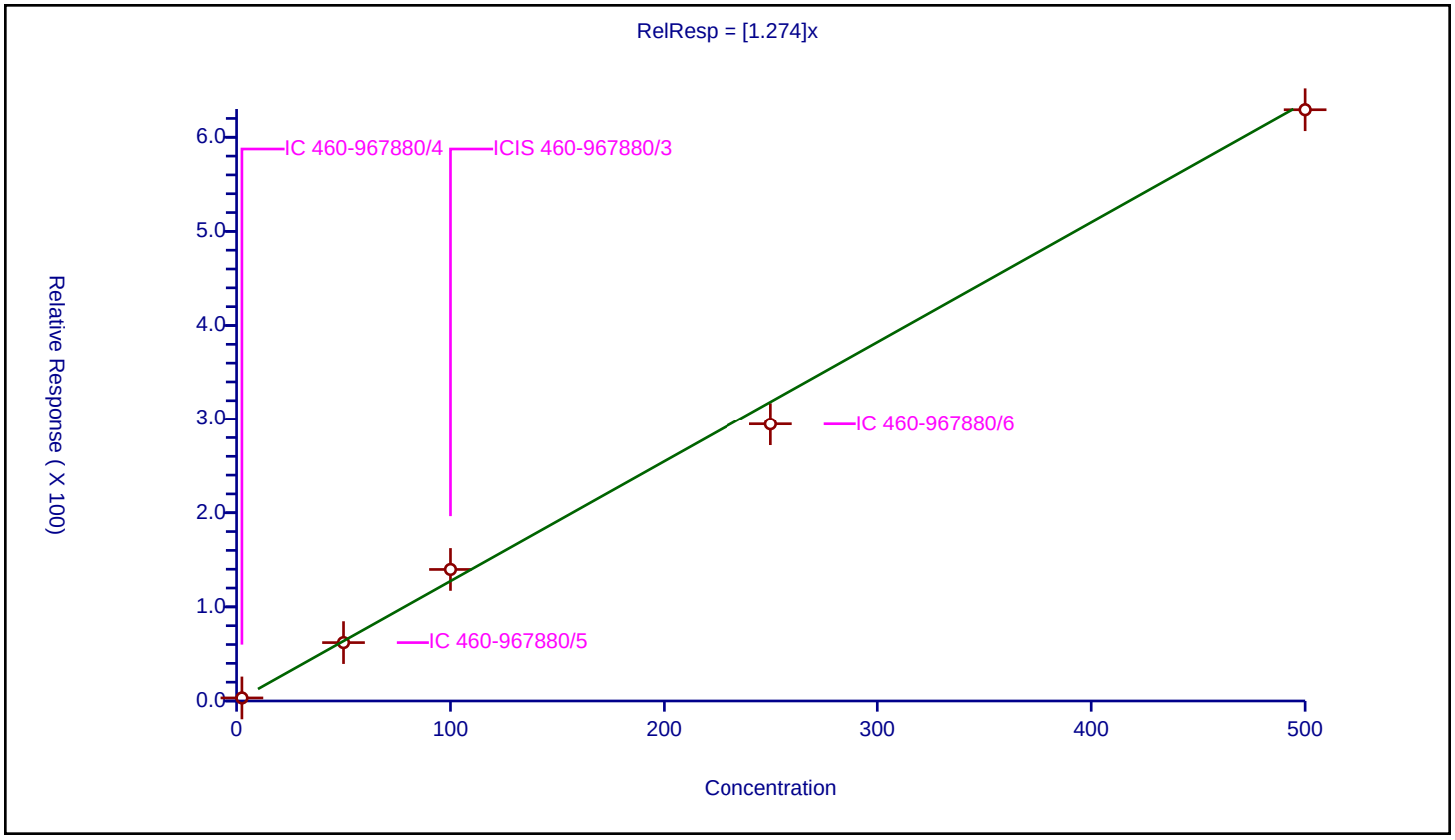
Curve Coefficients

Intercept:	0
Slope:	1.274

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.237705	100.0	193815746.0	1.295082	Y
2	IC 460-967880/5	50.0	62.022186	100.0	225607381.0	1.240444	Y
3	ICIS 460-967880/3	100.0	139.738991	100.0	186453952.0	1.39739	Y
4	IC 460-967880/6	250.0	294.602834	100.0	241906873.0	1.178411	Y
5	IC 460-967880/7	500.0	629.226385	100.0	211114612.0	1.258453	Y



Calibration / Dieldrin

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

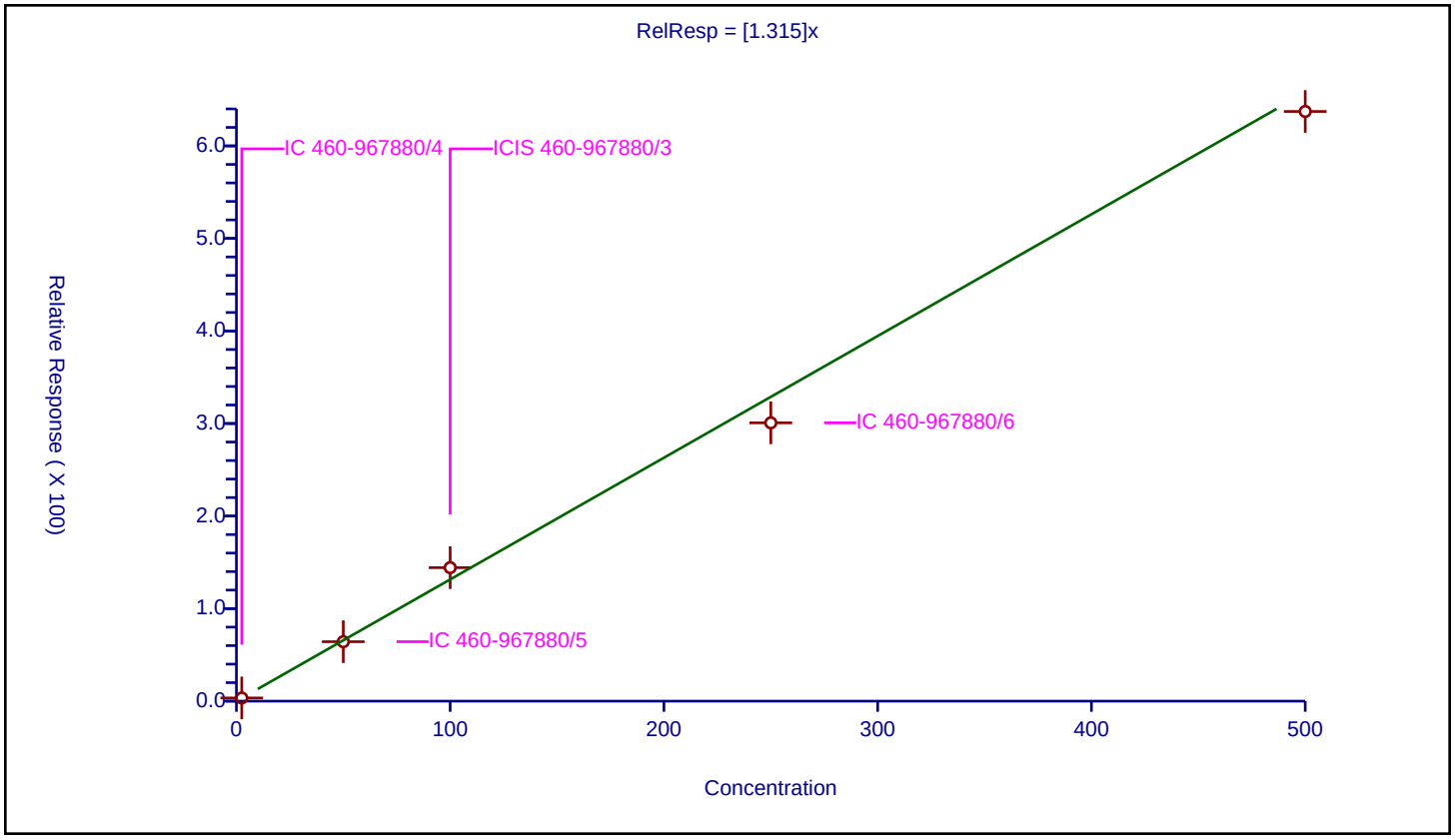
Curve Coefficients

Intercept:	0
Slope:	1.315

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.43004	100.0	193815746.0	1.372016	Y
2	IC 460-967880/5	50.0	64.221279	100.0	225607381.0	1.284426	Y
3	ICIS 460-967880/3	100.0	144.248323	100.0	186453952.0	1.442483	Y
4	IC 460-967880/6	250.0	300.739244	100.0	241906873.0	1.202957	Y
5	IC 460-967880/7	500.0	637.222191	100.0	211114612.0	1.274444	Y



Calibration / Endrin

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

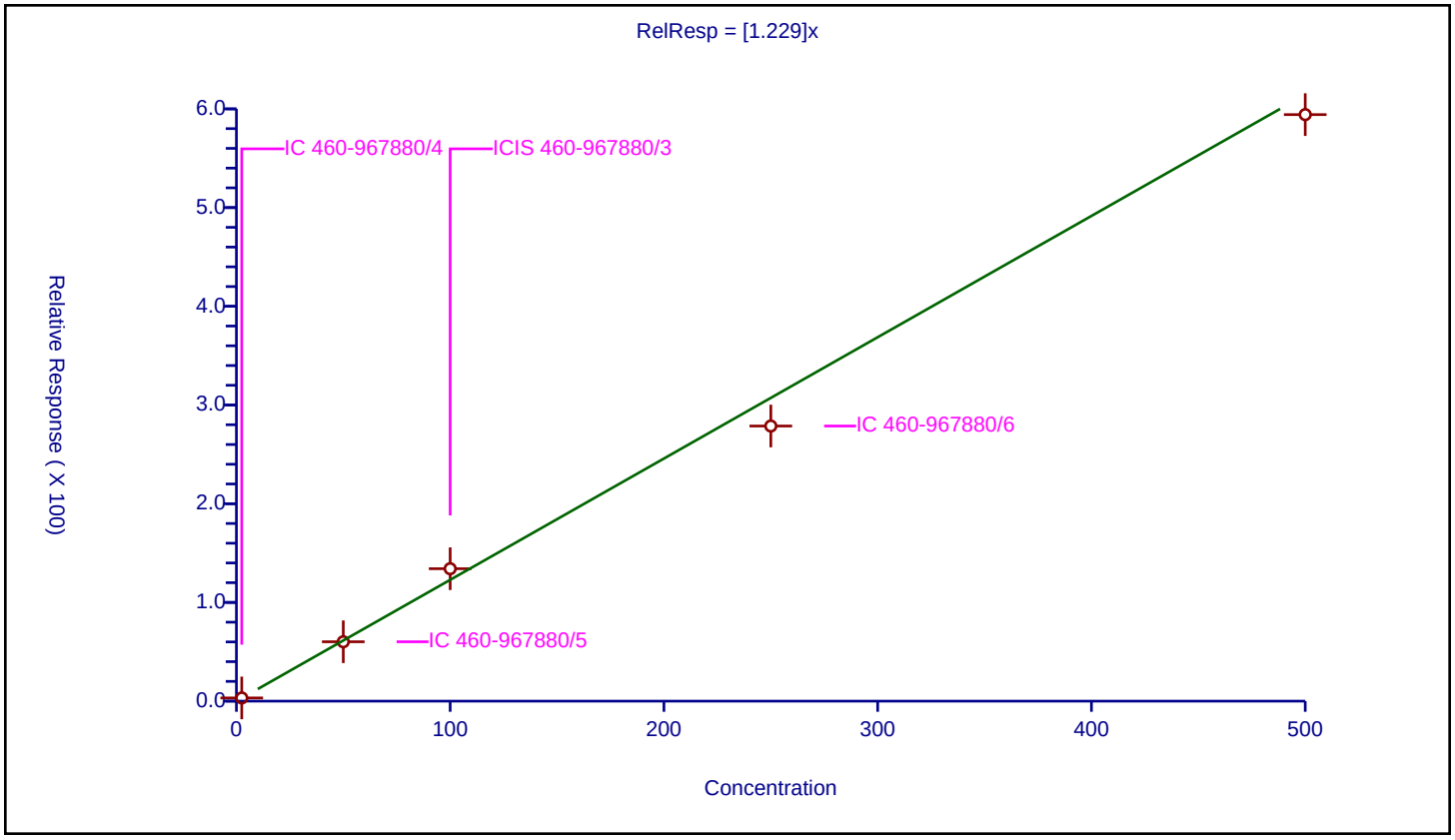
Curve Coefficients

Intercept:	0
Slope:	1.229

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.2411	100.0	193815746.0	1.29644	Y
2	IC 460-967880/5	50.0	60.154943	100.0	225607381.0	1.203099	Y
3	ICIS 460-967880/3	100.0	134.167322	100.0	186453952.0	1.341673	Y
4	IC 460-967880/6	250.0	278.710418	100.0	241906873.0	1.114842	Y
5	IC 460-967880/7	500.0	594.187982	100.0	211114612.0	1.188376	Y



Calibration / 4,4'-DDD

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

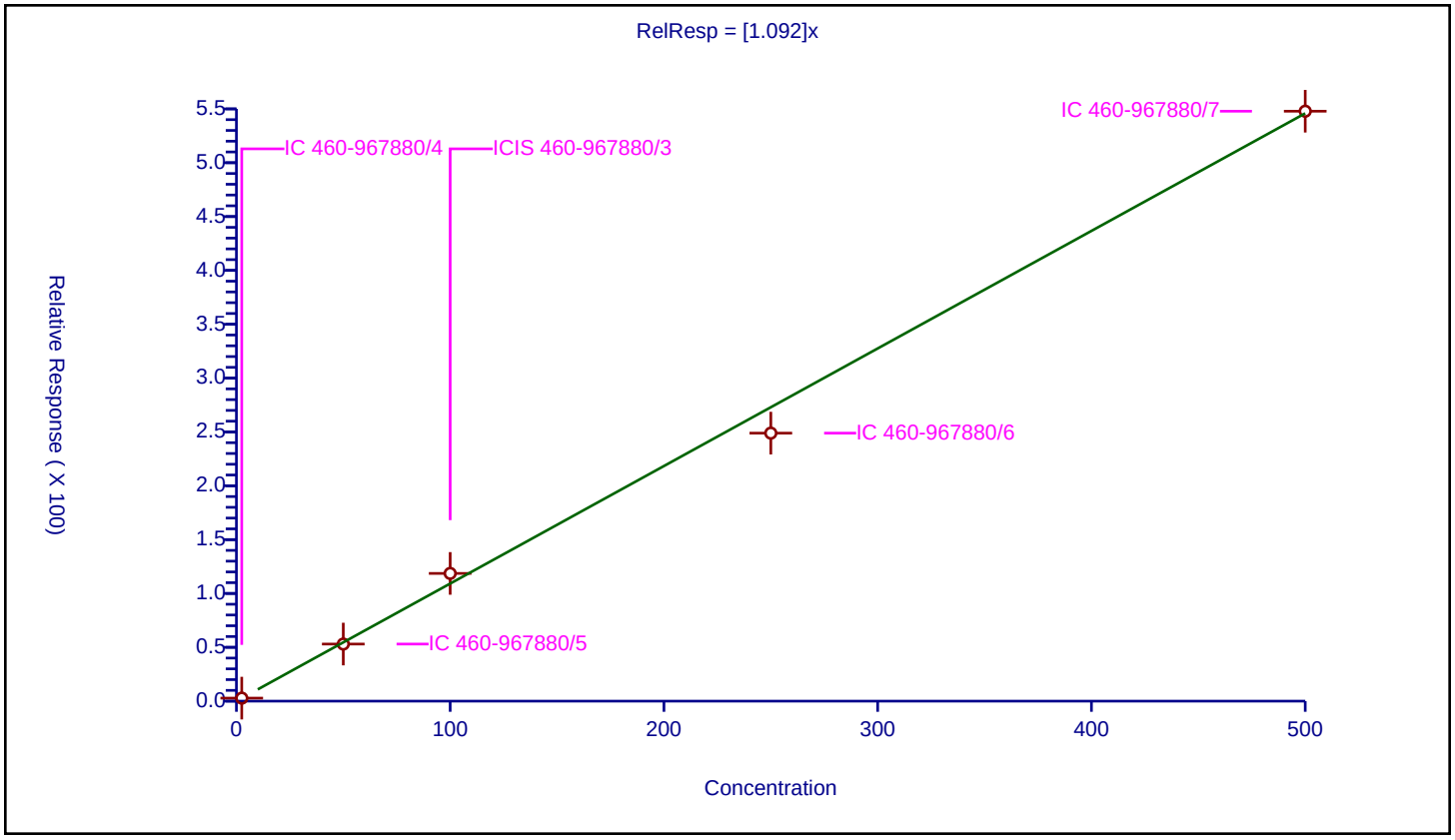
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.802303	100.0	193815746.0	1.120921	Y
2	IC 460-967880/5	50.0	53.022394	100.0	225607381.0	1.060448	Y
3	ICIS 460-967880/3	100.0	118.600504	100.0	186453952.0	1.186005	Y
4	IC 460-967880/6	250.0	248.888632	100.0	241906873.0	0.995555	Y
5	IC 460-967880/7	500.0	547.845491	100.0	211114612.0	1.095691	Y



Calibration / Endosulfan II

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

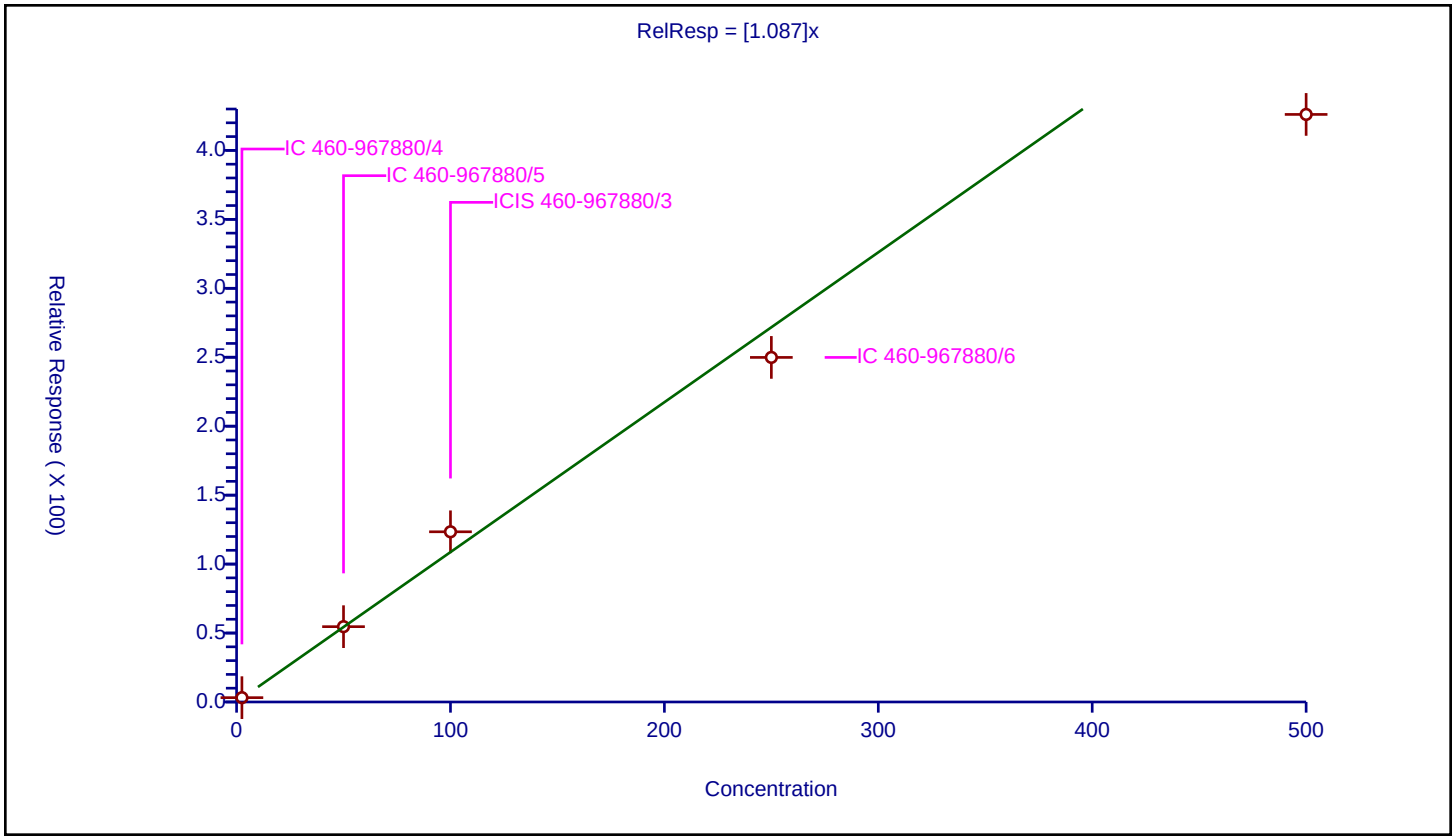
Curve Coefficients

Intercept:	0
Slope:	1.087

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.140307	100.0	193815746.0	1.256123	Y
2	IC 460-967880/5	50.0	54.621287	100.0	225607381.0	1.092426	Y
3	ICIS 460-967880/3	100.0	123.419349	100.0	186453952.0	1.234193	Y
4	IC 460-967880/6	250.0	249.864598	100.0	241906873.0	0.999458	Y
5	IC 460-967880/7	500.0	426.072869	100.0	211114612.0	0.852146	Y



Calibration / 4,4'-DDT

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

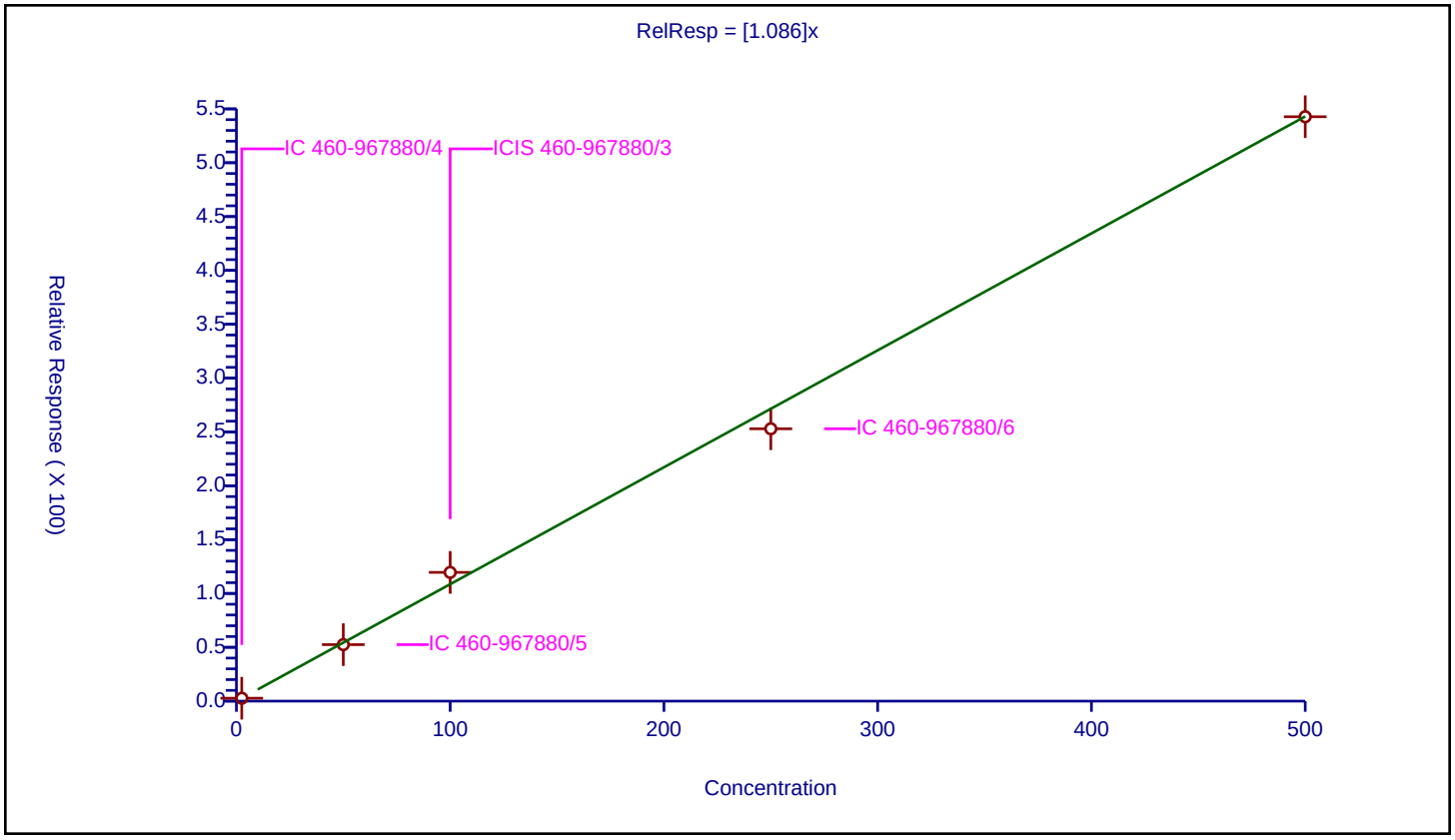
Curve Coefficients

Intercept:	0
Slope:	1.086

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.718172	100.0	193815746.0	1.087269	Y
2	IC 460-967880/5	50.0	52.471842	100.0	225607381.0	1.049437	Y
3	ICIS 460-967880/3	100.0	119.569537	100.0	186453952.0	1.195695	Y
4	IC 460-967880/6	250.0	252.952578	100.0	241906873.0	1.01181	Y
5	IC 460-967880/7	500.0	542.725994	100.0	211114612.0	1.085452	Y



Calibration / Endrin aldehyde

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

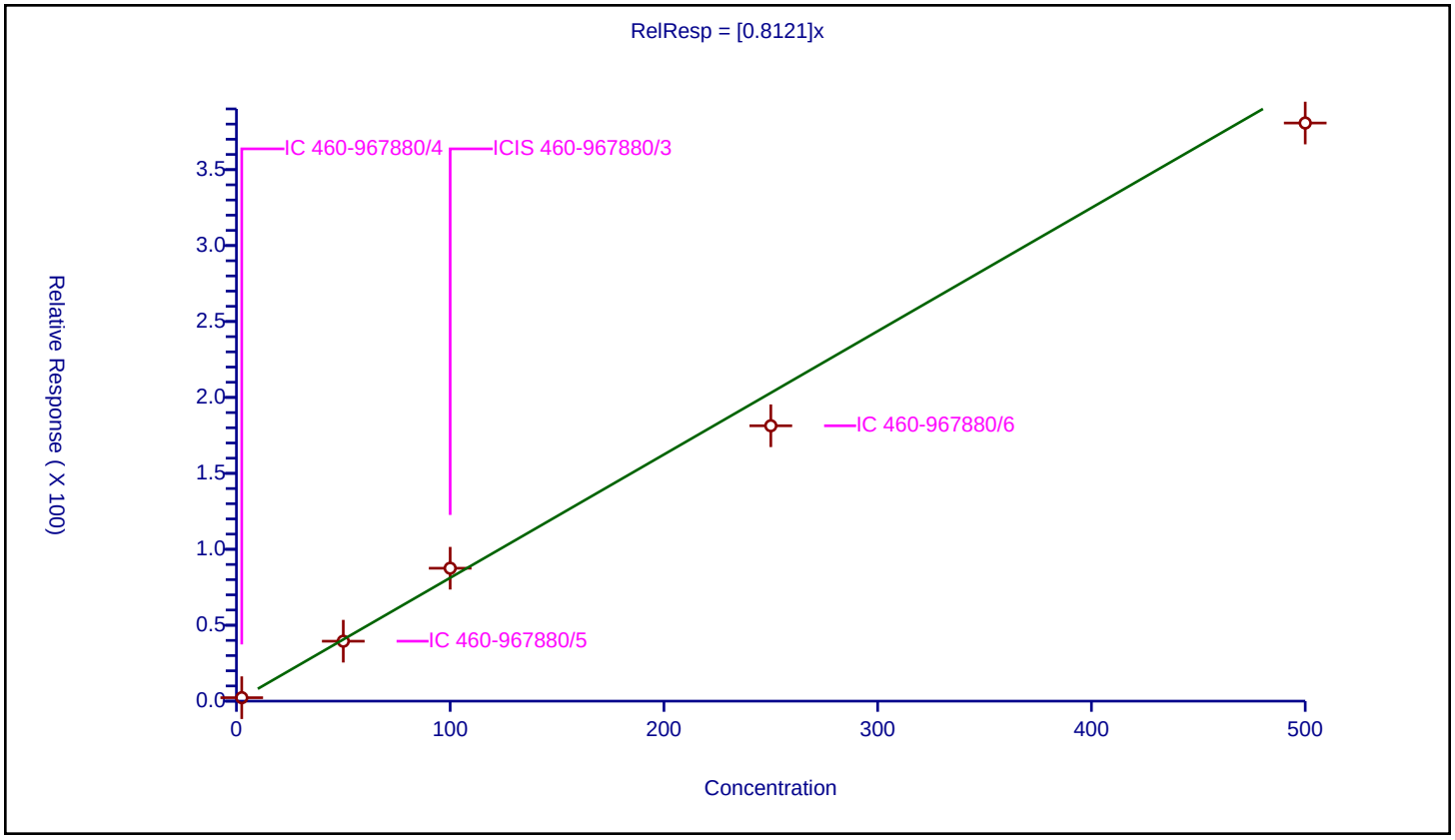
Curve Coefficients

Intercept:	0
Slope:	0.8121

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.272909	100.0	193815746.0	0.909163	Y
2	IC 460-967880/5	50.0	39.466547	100.0	225607381.0	0.789331	Y
3	ICIS 460-967880/3	100.0	87.532049	100.0	186453952.0	0.87532	Y
4	IC 460-967880/6	250.0	181.335236	100.0	241906873.0	0.725341	Y
5	IC 460-967880/7	500.0	380.703343	100.0	211114612.0	0.761407	Y



Calibration / Endosulfan sulfate

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

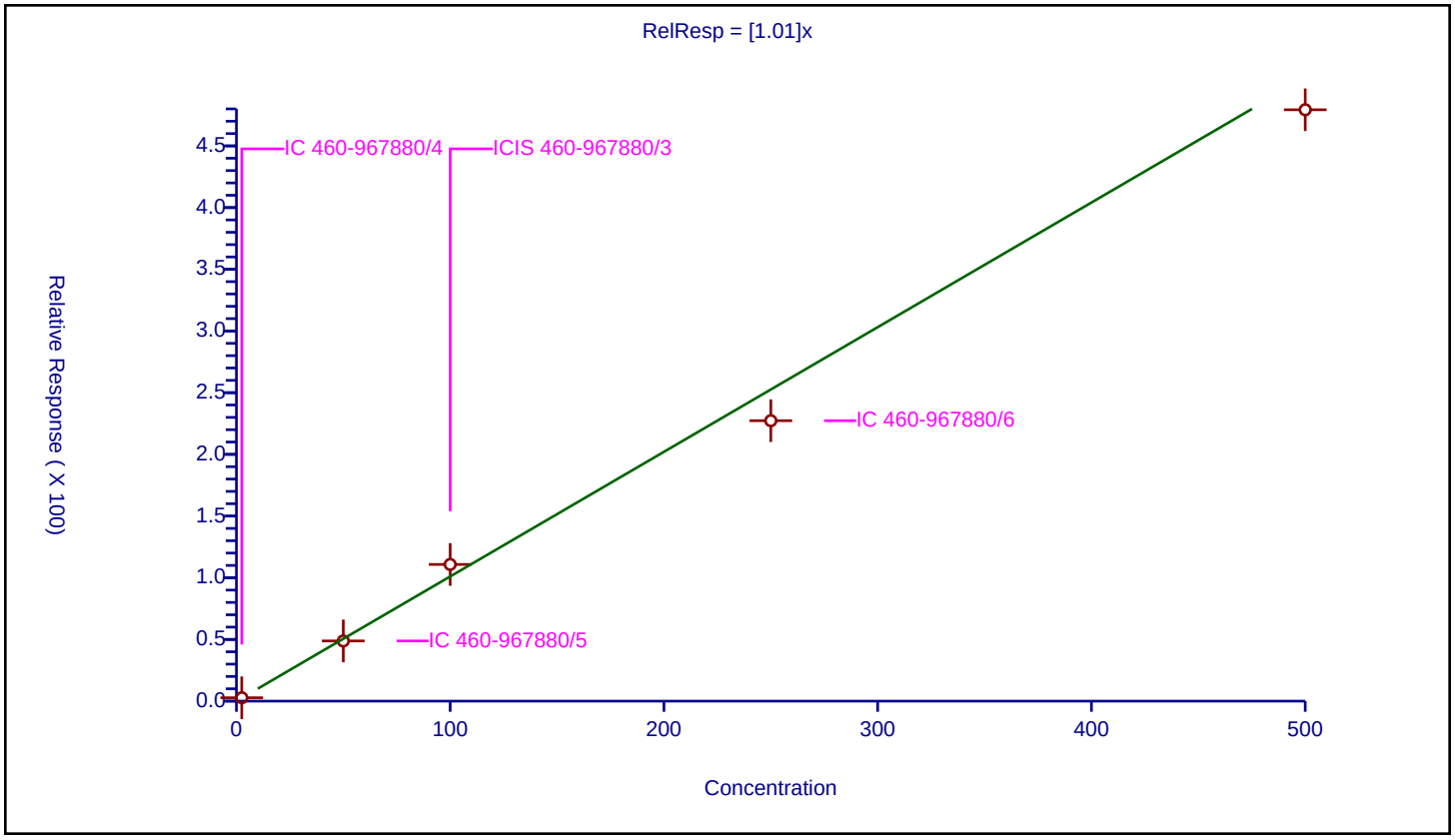
Curve Coefficients

Intercept:	0
Slope:	1.01

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.750644	100.0	193815746.0	1.100258	Y
2	IC 460-967880/5	50.0	48.772753	100.0	225607381.0	0.975455	Y
3	ICIS 460-967880/3	100.0	110.783235	100.0	186453952.0	1.107832	Y
4	IC 460-967880/6	250.0	227.291528	100.0	241906873.0	0.909166	Y
5	IC 460-967880/7	500.0	479.286648	100.0	211114612.0	0.958573	Y



Calibration / Methoxychlor

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

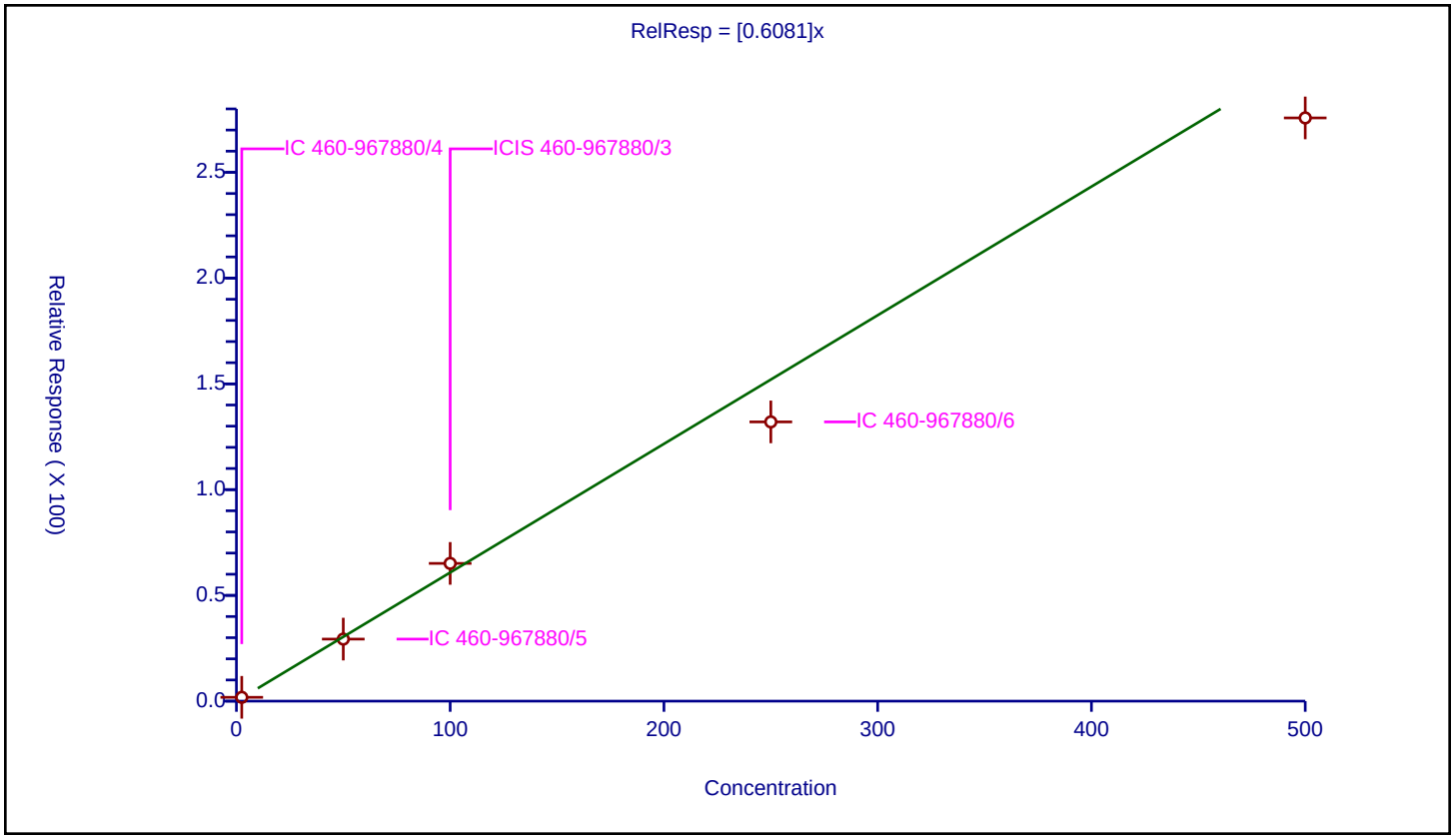
Curve Coefficients

Intercept:	0
Slope:	0.6081

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	1.807909	100.0	193815746.0	0.723164	Y
2	IC 460-967880/5	50.0	29.335148	100.0	225607381.0	0.586703	Y
3	ICIS 460-967880/3	100.0	65.124653	100.0	186453952.0	0.651247	Y
4	IC 460-967880/6	250.0	132.019354	100.0	241906873.0	0.528077	Y
5	IC 460-967880/7	500.0	275.736465	100.0	211114612.0	0.551473	Y



Calibration / Mirex

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

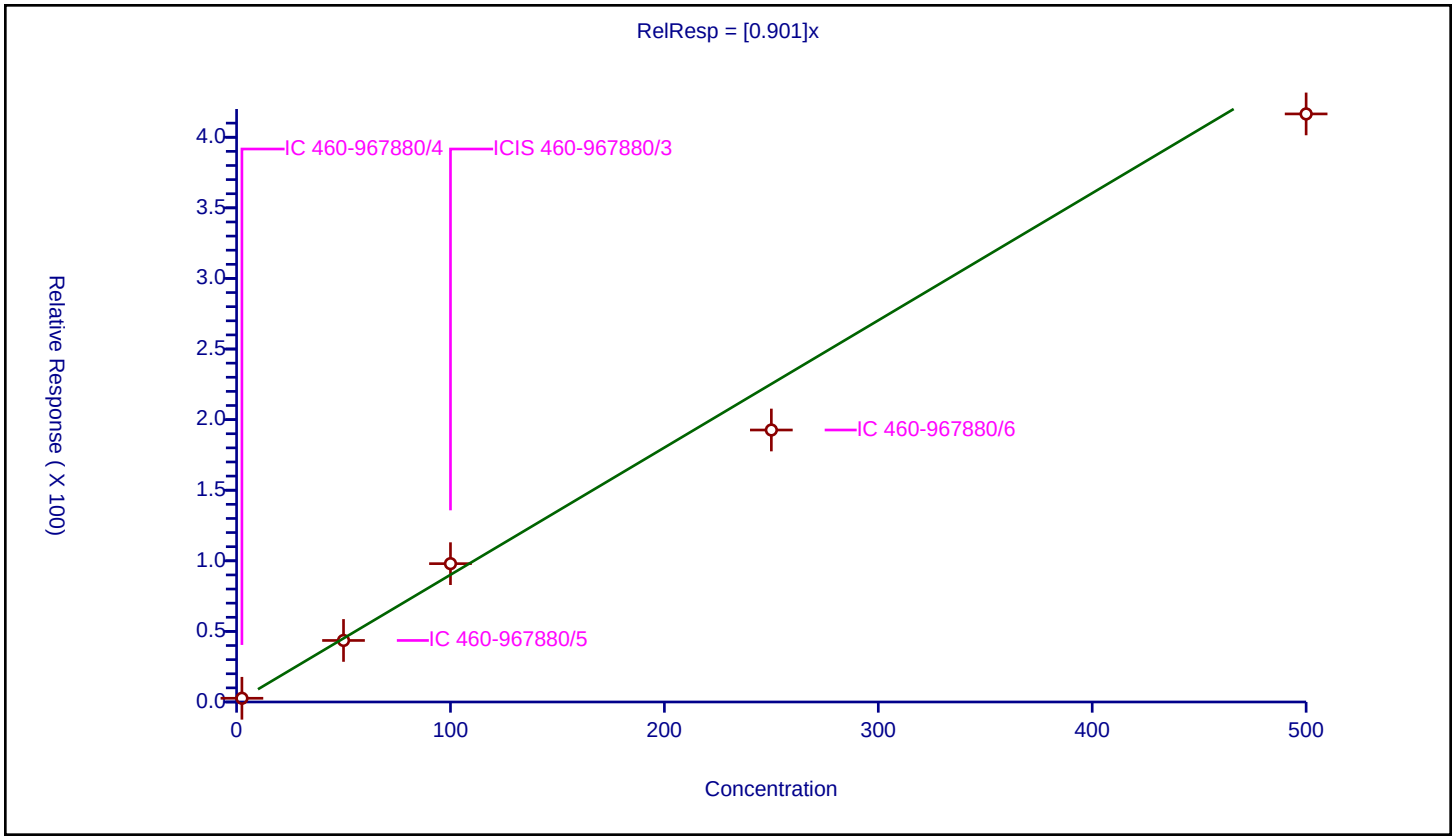
Curve Coefficients

Intercept:	0
Slope:	0.901

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.625426	100.0	193815746.0	1.05017	Y
2	IC 460-967880/5	50.0	43.582622	100.0	225607381.0	0.871652	Y
3	ICIS 460-967880/3	100.0	97.97325	100.0	186453952.0	0.979733	Y
4	IC 460-967880/6	250.0	192.642505	100.0	241906873.0	0.77057	Y
5	IC 460-967880/7	500.0	416.516127	100.0	211114612.0	0.833032	Y



Calibration / Endrin ketone

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

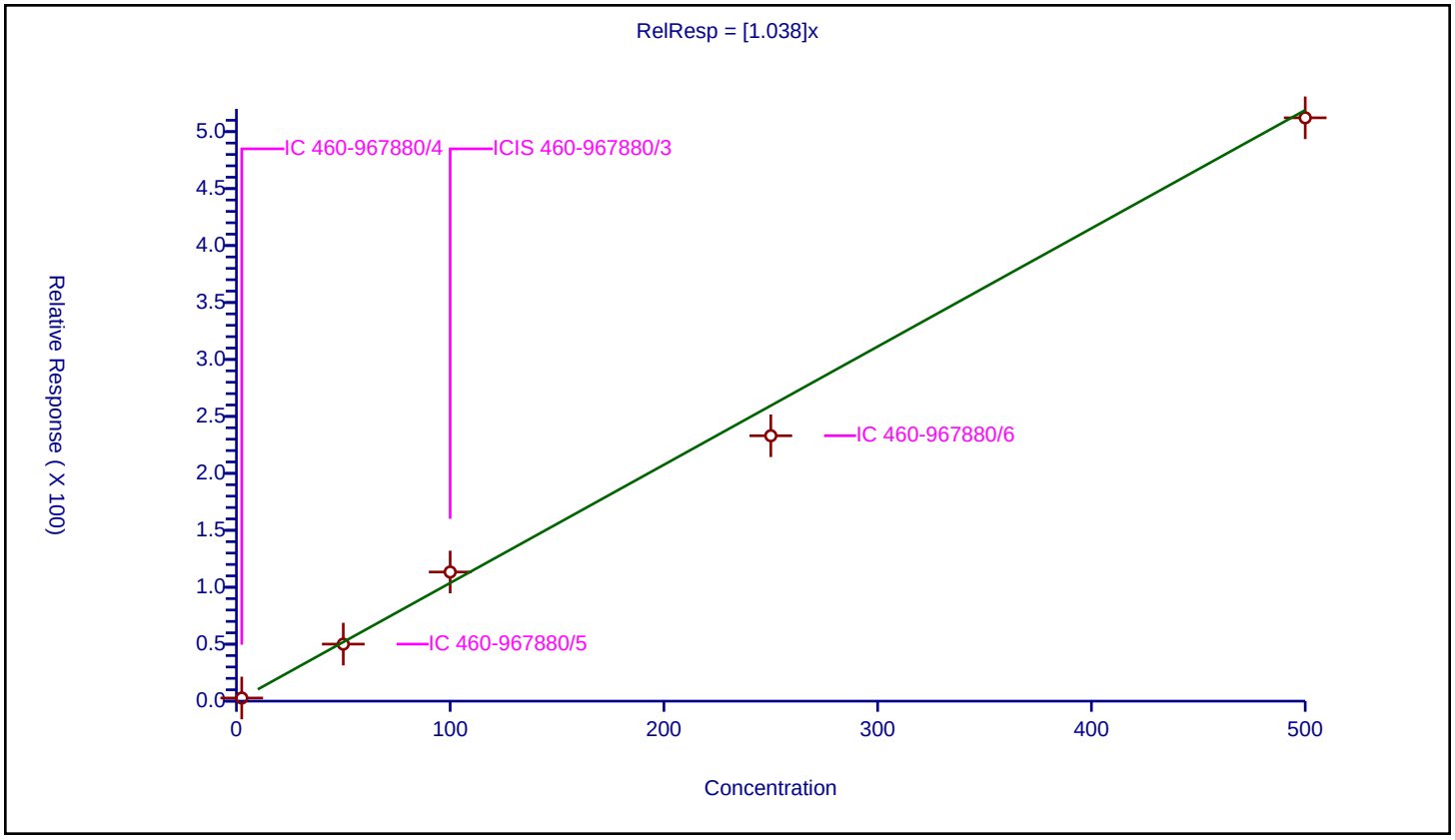
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.743134	100.0	193815746.0	1.097254	Y
2	IC 460-967880/5	50.0	50.072745	100.0	225607381.0	1.001455	Y
3	ICIS 460-967880/3	100.0	113.383958	100.0	186453952.0	1.13384	Y
4	IC 460-967880/6	250.0	233.020621	100.0	241906873.0	0.932082	Y
5	IC 460-967880/7	500.0	512.175019	100.0	211114612.0	1.02435	Y



Calibration / DCB Decachlorobiphenyl

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

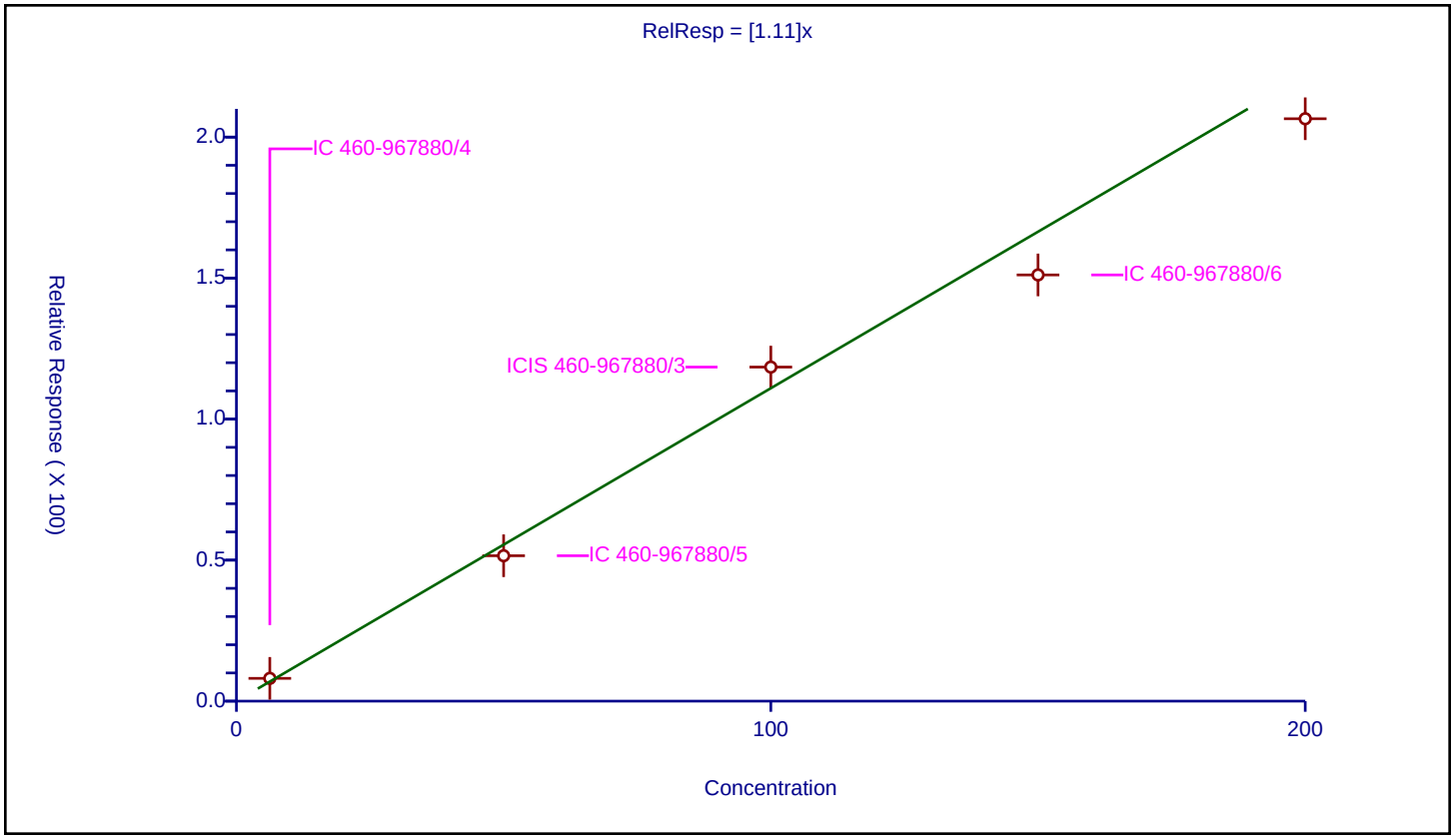
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	6.25	8.074804	100.0	193815746.0	1.291969	Y
2	IC 460-967880/5	50.0	51.556936	100.0	225607381.0	1.031139	Y
3	ICIS 460-967880/3	100.0	118.451295	100.0	186453952.0	1.184513	Y
4	IC 460-967880/6	150.0	151.129293	100.0	241906873.0	1.007529	Y
5	IC 460-967880/7	200.0	206.508153	100.0	211114612.0	1.032541	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967880

SDG No.:

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2024 08:38 Calibration End Date: 04/05/2024 09:27 Calibration ID: 96519

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-967880/4	12F0059955.D
Level 2	IC 460-967880/5	12F0059956.D
Level 3	ICIS 460-967880/3	12F0059954.D
Level 4	IC 460-967880/6	12F0059957.D
Level 5	IC 460-967880/7	12F0059958.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
alpha-BHC	1.2888	1.3501	1.5614	1.5112	2.1073	Lin	-47.97	2.1033							0.9970		0.9900
gamma-BHC (Lindane)	1.1949	1.2512	1.4338	1.3605	1.7228	Ave		1.3926				14.8		20.0			
beta-BHC	0.5891	0.5268	0.5920	0.5295	0.5865	Ave		0.5648				5.9		20.0			
delta-BHC	1.1471	1.1925	1.3923	1.3080	1.6036	Ave		1.3287				13.6		20.0			
Heptachlor	1.2830	1.2606	1.4119	1.2796	1.4711	Ave		1.3412				7.0		20.0			
Aldrin	1.2182	1.2692	1.4289	1.3118	1.5127	Ave		1.3482				8.9		20.0			
Heptachlor epoxide	1.1986	1.0919	1.2394	1.0825	1.1797	Ave		1.1584				5.9		20.0			
trans-Chlordane	1.2126	1.1169	1.2732	1.1598	1.3127	Ave		1.2150				6.6		20.0			
cis-Chlordane	1.2018	1.0761	1.2217	1.0897	1.2534	Ave		1.1686				6.9		20.0			
4,4'-DDE	1.1794	1.1480	1.3151	1.1768	1.3668	Ave		1.2372				7.9		20.0			
Endosulfan I	1.1223	1.0189	1.1657	1.0101	1.0949	Ave		1.0824				6.2		20.0			
Dieldrin	1.1911	1.1738	1.3258	1.1789	1.3139	Ave		1.2367				6.2		20.0			
Endrin	1.0872	1.0815	1.2243	1.0830	1.2241	Ave		1.1400				6.7		20.0			
4,4'-DDD	0.9171	0.9290	1.0704	0.9739	1.0973	Ave		0.9975				8.2		20.0			
Endosulfan II	1.0197	0.9504	1.0936	0.9546	0.8252	Ave		0.9687				10.2		20.0			
4,4'-DDT	0.9405	0.9540	1.0965	1.0205	1.1453	Ave		1.0313				8.6		20.0			
Endrin aldehyde	0.8455	0.7724	0.8583	0.7701	0.8351	Ave		0.8163				5.1		20.0			
Methoxychlor	0.6642	0.5254	0.5902	0.5028	0.5372	Ave		0.5640				11.5		20.0			
Mirex	0.9443	0.7700	0.8869	0.7806	0.8689	Ave		0.8501				8.7		20.0			
Endosulfan sulfate	0.9428	0.9141	1.0524	0.9343	1.0306	Ave		0.9748				6.4		20.0			
Endrin ketone	0.9674	0.9361	1.0534	0.9668	1.0754	Ave		0.9998				6.1		20.0			
Tetrachloro-m-xylene	1.0127	0.8948	1.0815	0.9846	1.0706	Ave		1.0088				7.5		20.0			
DCB Decachlorobiphenyl	1.1848	1.0085	1.1961	1.0852	1.1146	Ave		1.1178				6.9		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967880

SDG No.:

Instrument ID: CPESTGC12 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2024 08:38 | Calibration End Date: 04/05/2024 09:27 | Calibration ID: 96519

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-967880/4	12F0059955.D
Level 2	IC 460-967880/5	12F0059956.D
Level 3	ICIS 460-967880/3	12F0059954.D
Level 4	IC 460-967880/6	12F0059957.D
Level 5	IC 460-967880/7	12F0059958.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Lin	13569923	330952961	633672808	1920397707	4437425047	2.50	50.0	100	250	500
gamma-BHC (Lindane)	BNB	Ave	12581531	306695585	581898028	1728871073	3627662145	2.50	50.0	100	250	500
beta-BHC	BNB	Ave	6203308	129140440	240269089	672854309	1235059566	2.50	50.0	100	250	500
delta-BHC	BNB	Ave	12078327	292321119	565048116	1662235472	3376702599	2.50	50.0	100	250	500
Heptachlor	BNB	Ave	13509144	309000403	573010893	1626055726	3097781042	2.50	50.0	100	250	500
Aldrin	BNB	Ave	12827151	311117407	579920984	1667024162	3185283967	2.50	50.0	100	250	500
Heptachlor epoxide	BNB	Ave	12620770	267665356	503021219	1375624442	2484103769	2.50	50.0	100	250	500
trans-Chlordane	BNB	Ave	12767692	273775572	516722301	1473819657	2764158649	2.50	50.0	100	250	500
cis-Chlordane	BNB	Ave	12653823	263781978	495835672	1384831952	2639355552	2.50	50.0	100	250	500
4,4'-DDE	BNB	Ave	12417858	281401512	533746600	1495516776	2878034500	2.50	50.0	100	250	500
Endosulfan I	BNB	Ave	11817533	249762230	473101498	1283625019	2305553226	2.50	50.0	100	250	500
Dieldrin	BNB	Ave	12541136	287737981	538071706	1498064375	2766804576	2.50	50.0	100	250	500
Endrin	BNB	Ave	11447602	265097598	496879130	1376252773	2577544567	2.50	50.0	100	250	500
4,4'-DDD	BNB	Ave	9656802	227722030	434407688	1237630261	2310567640	2.50	50.0	100	250	500
Endosulfan II	BNB	Ave	10736654	232971725	443840395	1213130470	1737666890	2.50	50.0	100	250	500
4,4'-DDT	BNB	Ave	9903078	233842401	445023164	1296780372	2411656521	2.50	50.0	100	250	500
Endrin aldehyde	BNB	Ave	8902260	189335112	348358376	978658536	1758449306	2.50	50.0	100	250	500
Methoxychlor	BNB	Ave	6993774	128799339	239535202	638907953	1131295918	2.50	50.0	100	250	500
Mirex	BNB	Ave	9942376	188752739	359955469	991947223	1829635522	2.50	50.0	100	250	500
Endosulfan sulfate	BNB	Ave	9926754	224081475	427131971	1187330691	2170092815	2.50	50.0	100	250	500
Endrin ketone	BNB	Ave	10186393	229461407	427526464	1228553532	2264521738	2.50	50.0	100	250	500
Tetrachloro-m-xylene	BNB	Ave	26657686	219349929	438917619	750711037	901769143	6.25	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	31188270	247214698	485422518	827442670	938847400	6.25	50.0	100	150	200

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059954.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Apr-2024 08:38:24 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-003
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:30:53 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 05-Apr-2024 09:06:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	186453952	100.0	100.0	
2	1.441	1.441	0.000	405848735	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.942	1.942	0.000	213094301	100.0	110.0	
2	1.806	1.806	0.000	438917619	100.0	107.2	
						RPD = 2.58	
15 alpha-BHC							
1	2.337	2.337	0.000	308485845	100.0	110.5	
2	2.115	2.115	0.000	633672808	100.0	97.0	
						RPD = 13.00	
2 gamma-BHC (Lindane)							M
1	2.608	2.608	0.000	280024777	100.0	111.5	M
2	2.311	2.311	0.000	581898028	100.0	103.0	
						RPD = 7.96	
6 beta-BHC							M
1	2.662	2.662	0.000	120301294	100.0	109.6	M
2	2.359	2.359	0.000	240269089	100.0	104.8	
						RPD = 4.50	
32 delta-BHC							M
1	2.932	2.932	0.000	268475248	100.0	111.7	M
2	2.486	2.486	0.000	565048116	100.0	104.8	
						RPD = 6.38	
18 Heptachlor							M
1	3.004	3.004	0.000	279617329	100.0	110.0	M
2	2.651	2.651	0.000	573010893	100.0	105.3	
						RPD = 4.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.343	3.343	0.000	292591398	100.0	110.9	
2	2.895	2.895	0.000	579920984	100.0	106.0	
						RPD = 4.54	
12 Heptachlor epoxide							
1	4.006	4.006	0.000	246535738	100.0	108.9	
2	3.463	3.463	0.000	503021219	100.0	107.0	
						RPD = 1.78	
9 trans-Chlordane							
1	4.216	4.216	0.000	250582274	100.0	108.6	
2	3.600	3.600	0.000	516722301	100.0	104.8	
						RPD = 3.61	
23 cis-Chlordane							M
1	4.394	4.394	0.000	241394802	100.0	109.1	M
2	3.750	3.750	0.000	495835672	100.0	104.6	M
						RPD = 4.22	
7 Endosulfan I							M
1	4.466	4.466	0.000	230737375	100.0	111.0	M
2	3.898	3.898	0.000	473101498	100.0	107.7	M
						RPD = 3.00	
25 4,4'-DDE							M
1	4.621	4.621	0.000	260548871	100.0	109.7	
2	3.839	3.839	0.000	533746600	100.0	106.3	M
						RPD = 3.14	
30 Dieldrin							
1	4.804	4.804	0.000	268956699	100.0	109.7	
2	4.148	4.148	0.000	538071706	100.0	107.2	
						RPD = 2.28	
20 Endrin							M
1	5.122	5.122	0.000	250160274	100.0	109.2	
2	4.407	4.407	0.000	496879130	100.0	107.4	M
						RPD = 1.65	
16 4,4'-DDD							M
1	5.246	5.246	0.000	221135327	100.0	108.6	
2	4.504	4.504	0.000	434407688	100.0	107.3	M
						RPD = 1.24	
11 Endosulfan II							
1	5.326	5.326	0.000	230120253	100.0	113.6	
2	4.675	4.675	0.000	443840395	100.0	112.9	
						RPD = 0.58	
21 4,4'-DDT							
1	5.563	5.563	0.000	222942128	100.0	110.1	
2	4.832	4.832	0.000	445023164	100.0	106.3	
						RPD = 3.50	
5 Endrin aldehyde							
1	5.677	5.677	0.000	163206965	100.0	107.8	
2	5.104	5.104	0.000	348358376	100.0	105.2	
						RPD = 2.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.010	6.010	0.000	206559720	100.0	109.7	
2	5.510	5.510	0.000	427131971	100.0	108.0	
						RPD = 1.56	
10 Methoxychlor							M
1	6.572	6.572	0.000	121427489	100.0	107.1	
2	5.326	5.326	0.000	239535202	100.0	104.7	M
						RPD = 2.30	
34 Mirex							M
1	6.724	6.724	0.000	182674997	100.0	108.7	M
2	5.399	5.399	0.000	359955469	100.0	104.3	M
						RPD = 4.14	
13 Endrin ketone							M
1	6.827	6.827	0.000	211408871	100.0	109.3	M
2	5.788	5.788	0.000	427526464	100.0	105.4	
						RPD = 3.63	
$ 24 DCB Decachlorobiphenyl							
1	8.179	8.179	0.000	220857121	100.0	106.8	
2	7.360	7.360	0.000	485422518	100.0	107.0	
						RPD = 0.22	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGPESTL3_00044	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:30:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059954.D

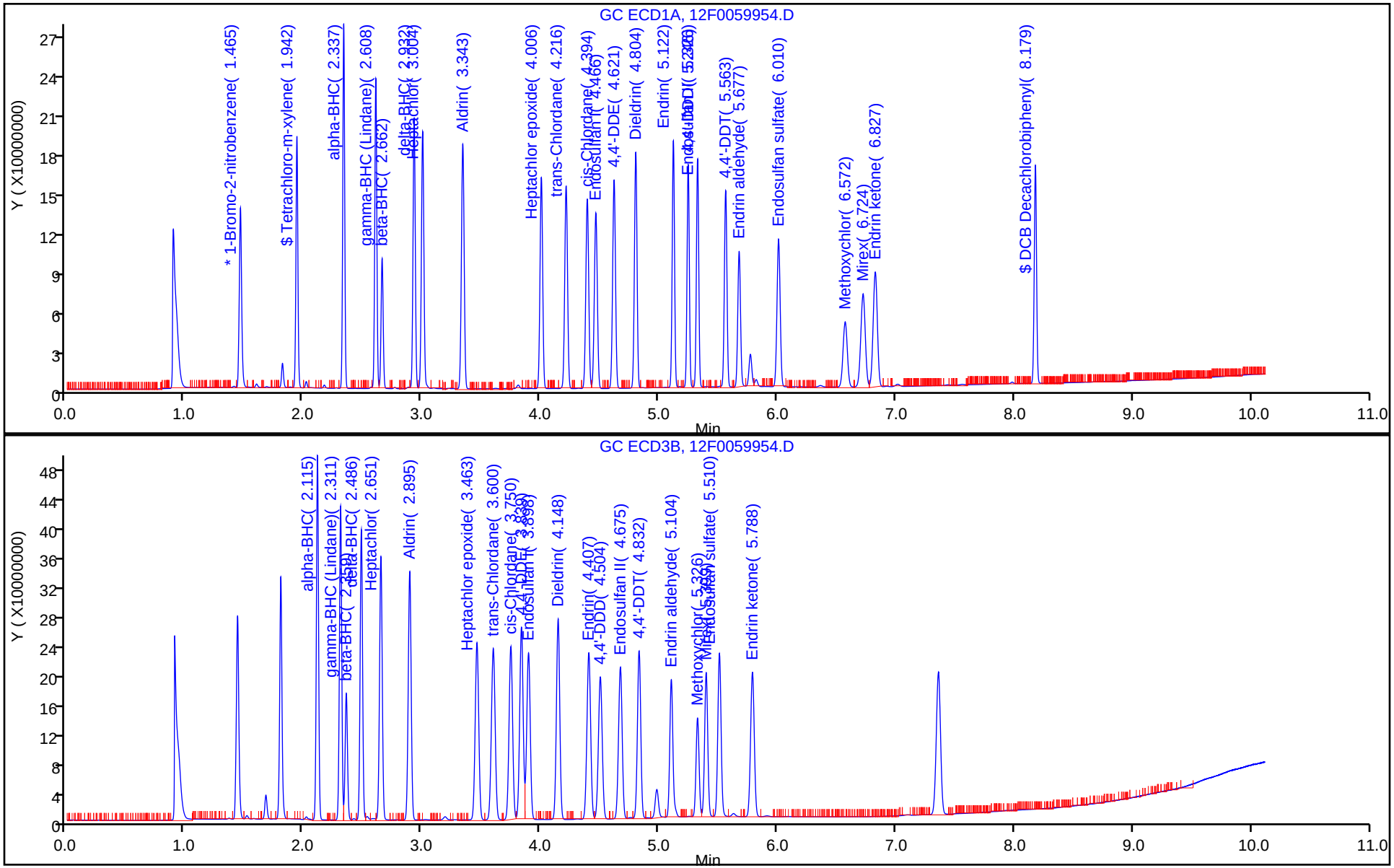
Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12 Operator ID:

Lims ID: ICIS Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: GC8081 Limit Group: GC 8081B PEST ISTD



Manual Integration/User Assign Peak Report

Eurofins Edison

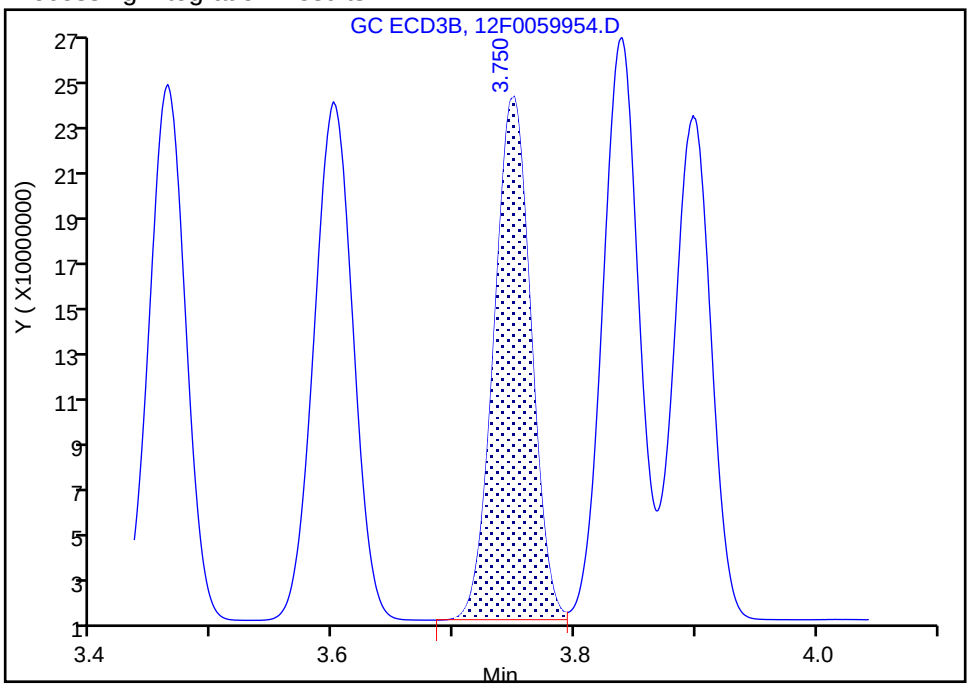
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

23 cis-Chlordane, CAS: 5103-71-9

Signal: 2

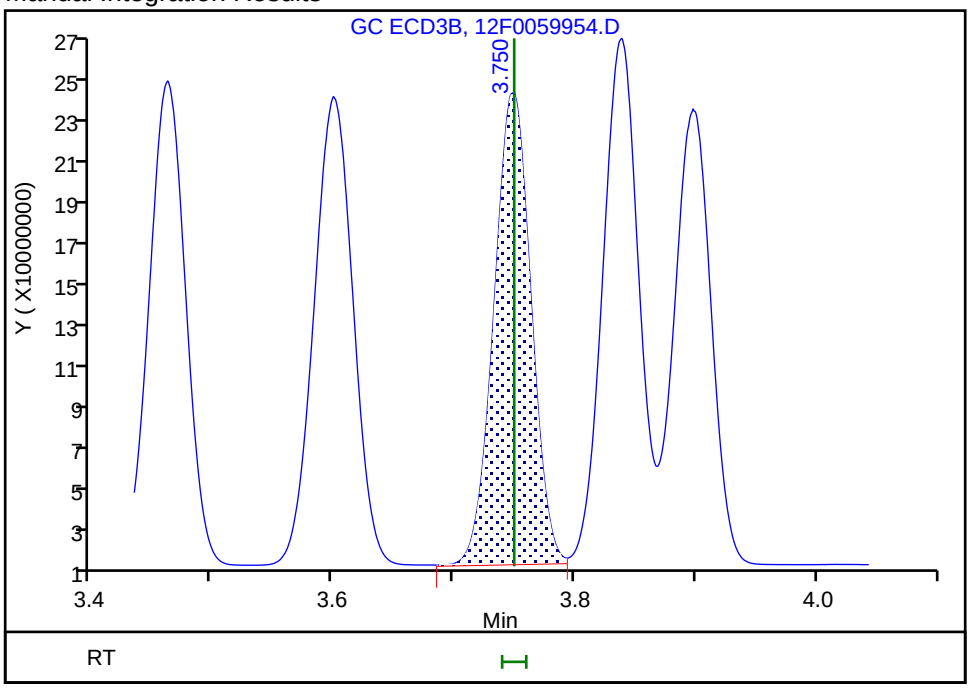
Processing Integration Results

RT: 3.75
Area: 493590540
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 495835672
Amount: 104.5504
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:46 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

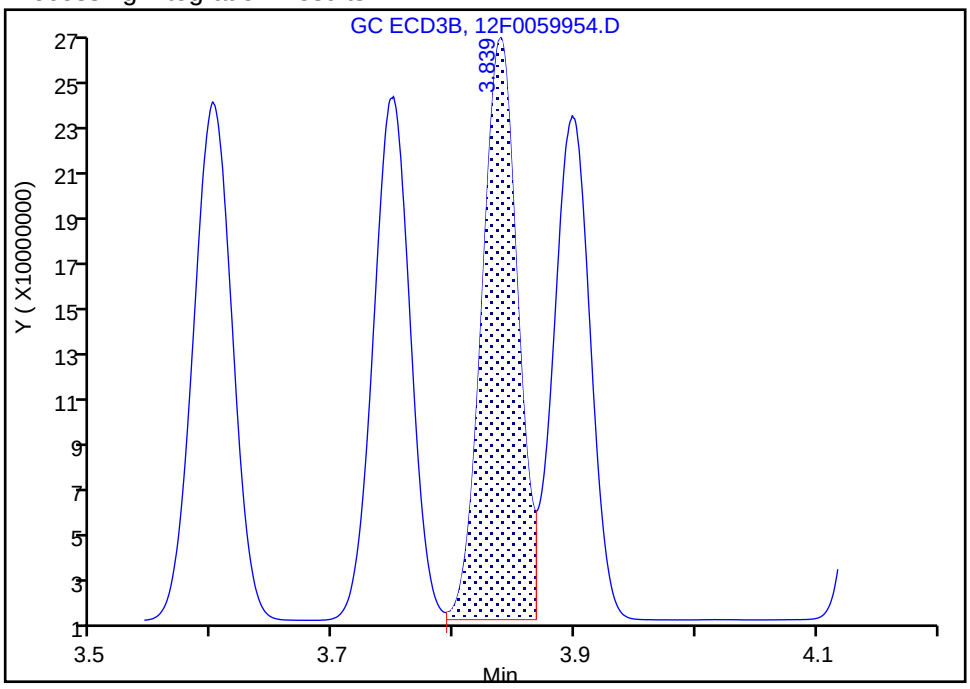
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

25 4,4'-DDE, CAS: 72-55-9

Signal: 2

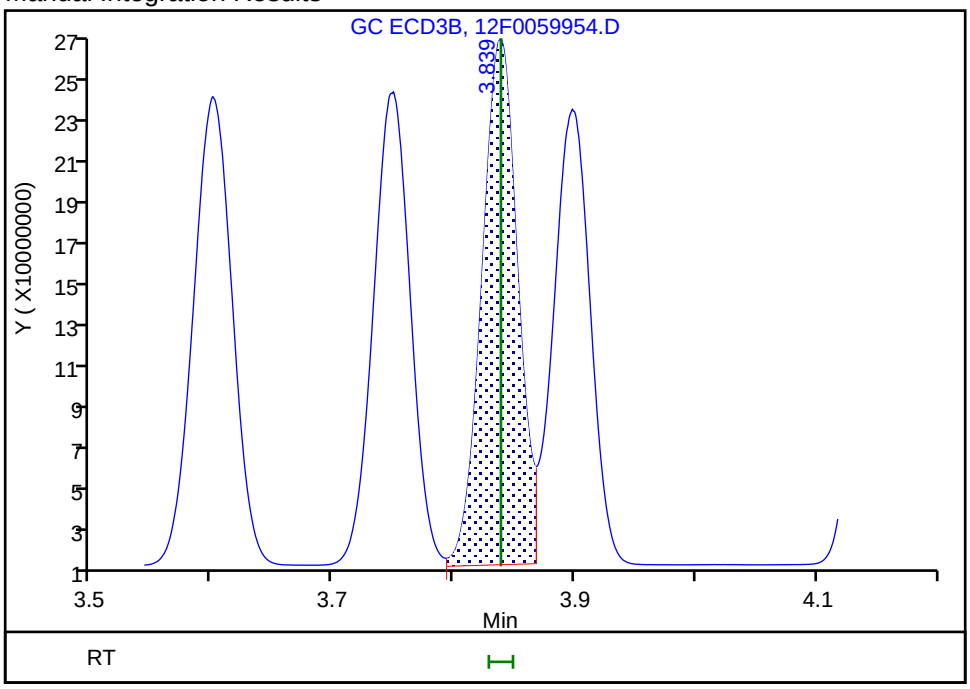
Processing Integration Results

RT: 3.84
Area: 530850289
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.84
Area: 533746600
Amount: 106.2980
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:46 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

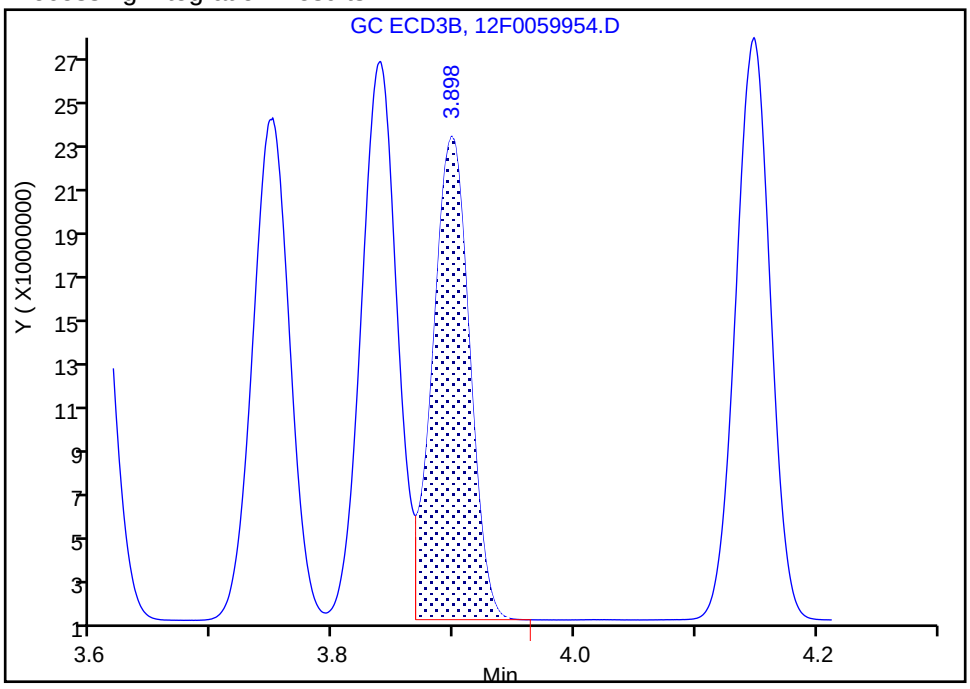
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

7 Endosulfan I, CAS: 959-98-8

Signal: 2

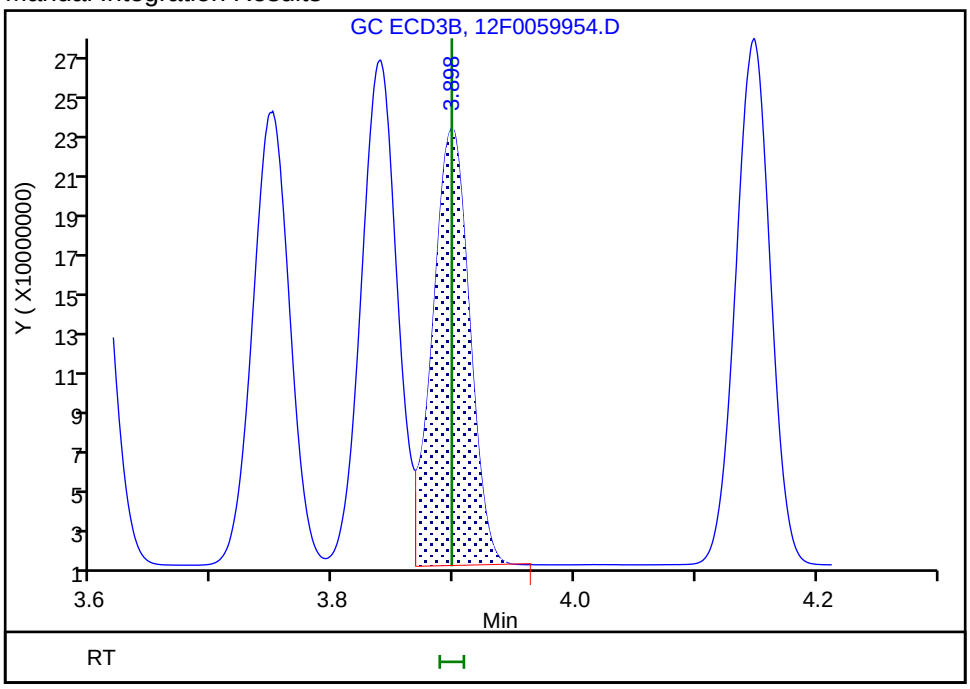
Processing Integration Results

RT: 3.90
Area: 471201343
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 473101498
Amount: 107.6975
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:46 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

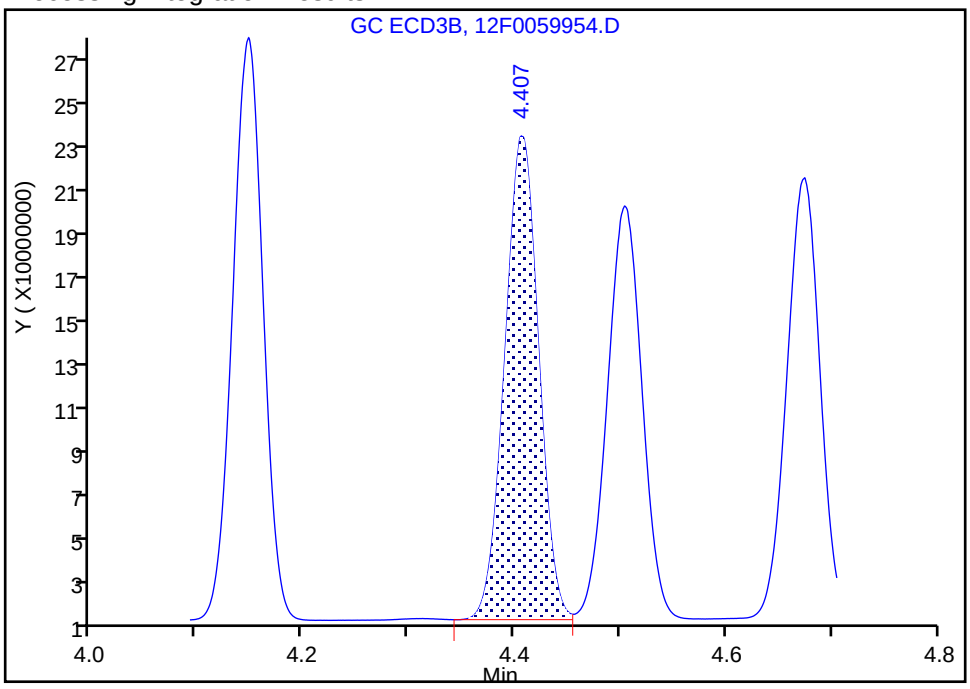
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8

Signal: 2

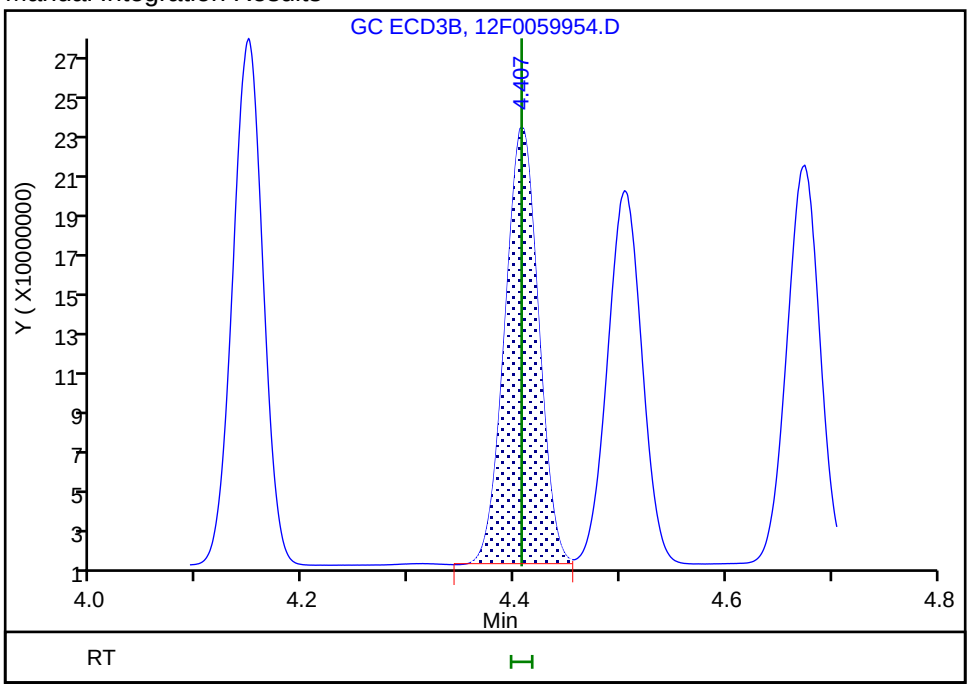
Processing Integration Results

RT: 4.41
Area: 495396674
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.41
Area: 496879130
Amount: 107.3938
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:48 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

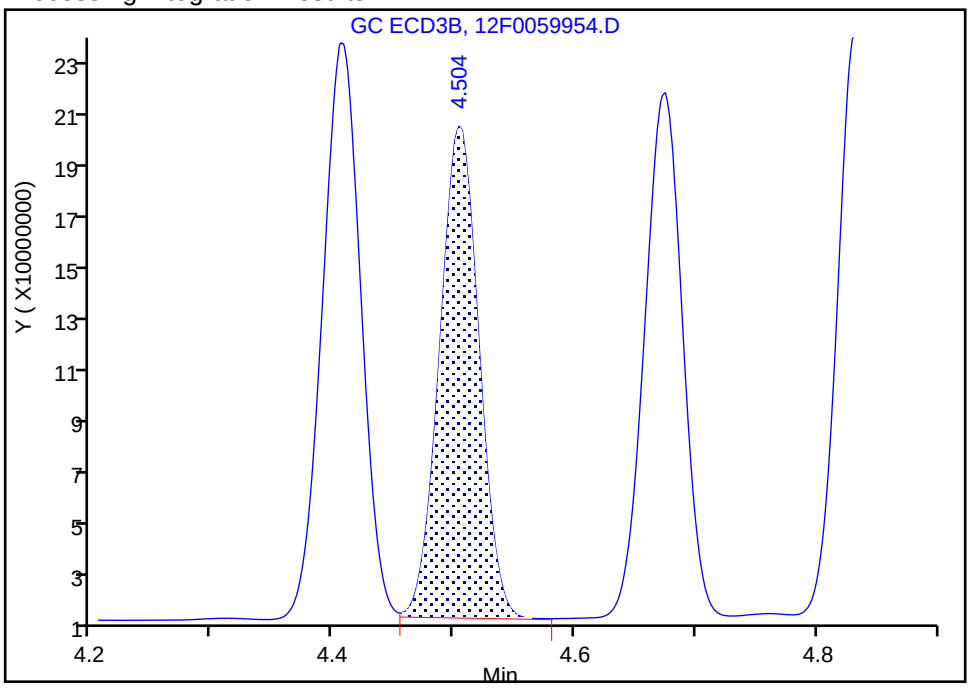
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

16 4,4'-DDD, CAS: 72-54-8

Signal: 2

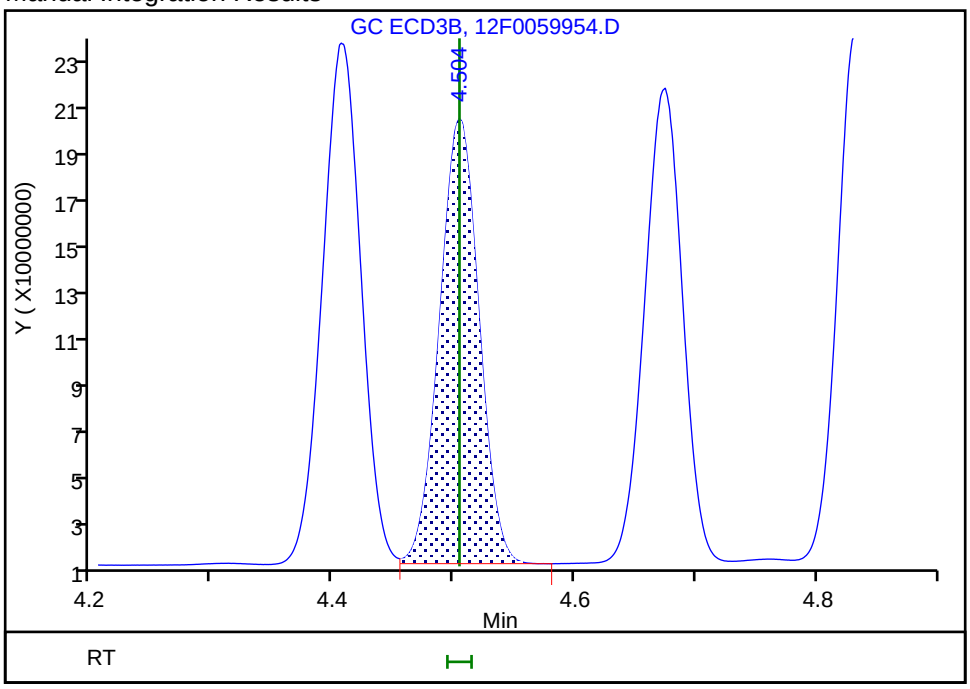
Processing Integration Results

RT: 4.50
Area: 433022002
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.50
Area: 434407688
Amount: 107.3012
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:48 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

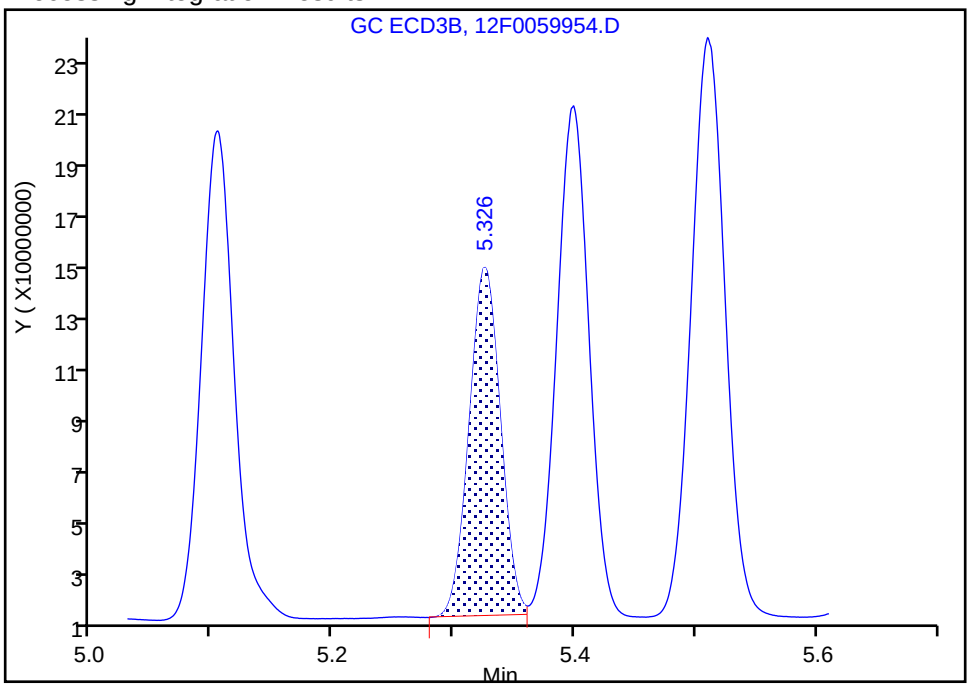
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5

Signal: 2

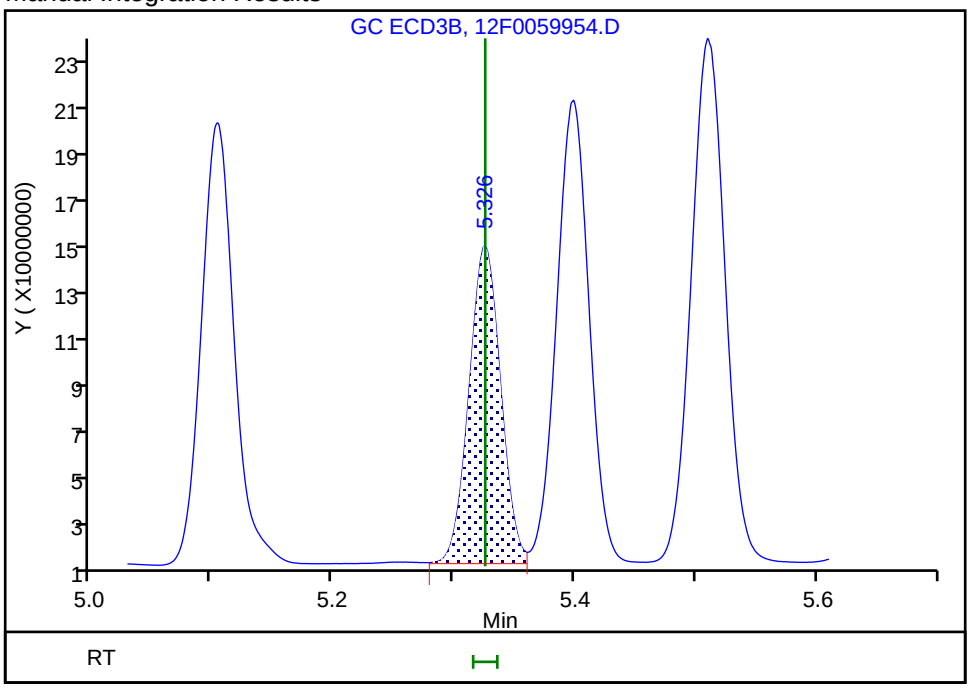
Processing Integration Results

RT: 5.33
Area: 237113168
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 5.33
Area: 239535202
Amount: 104.6514
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:50 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

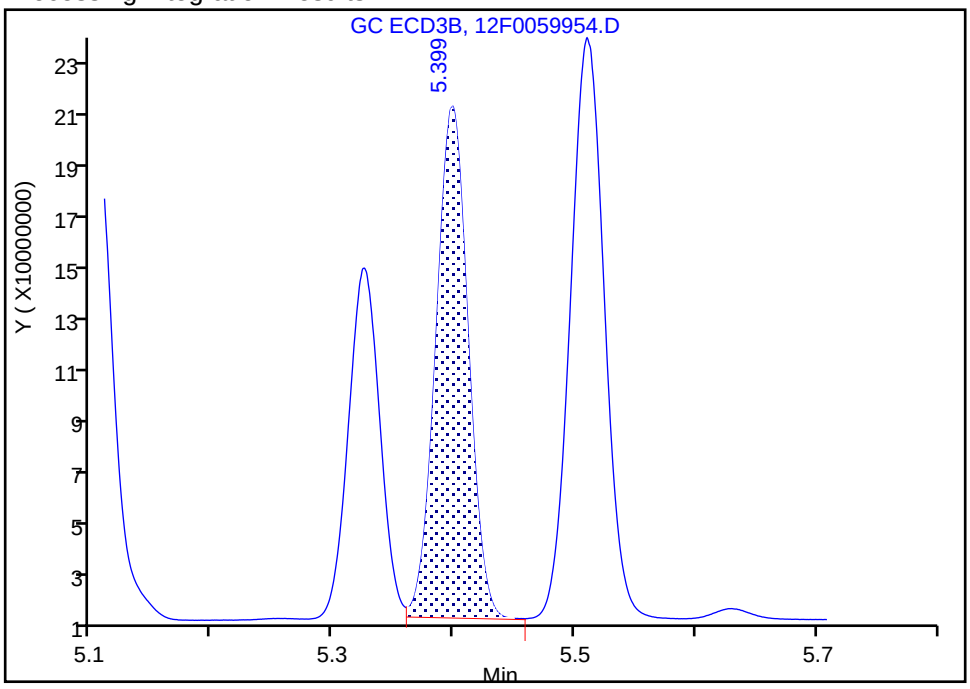
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Injection Date: 05-Apr-2024 08:38:24 Instrument ID: CPESTGC12
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

34 Mirex, CAS: 2385-85-5

Signal: 2

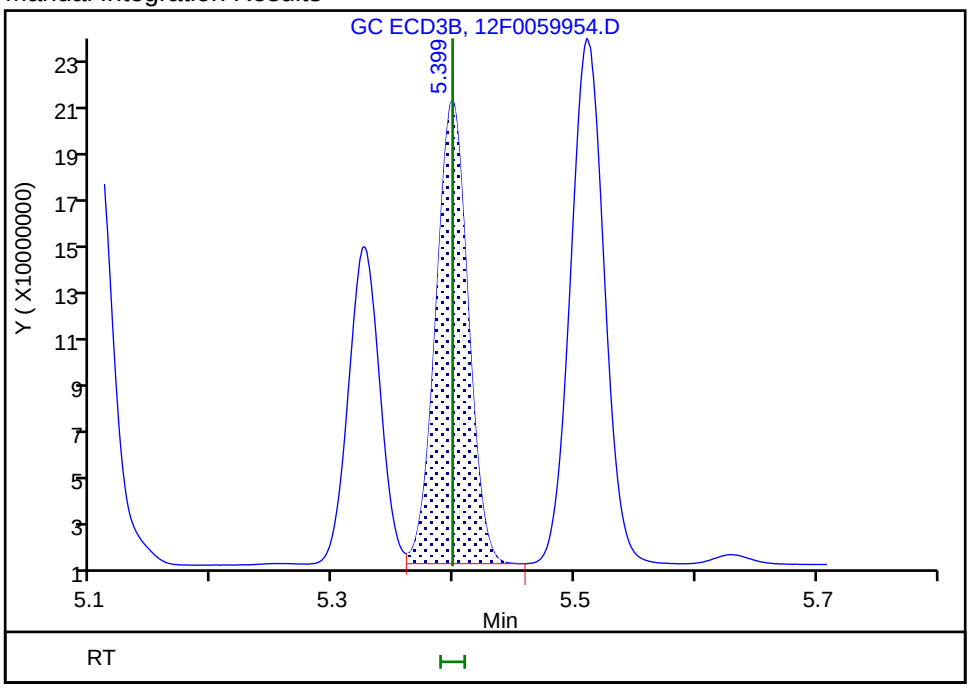
Processing Integration Results

RT: 5.40
Area: 357003637
Amount: 100.0000
Amount Units: ug/l



Manual Integration Results

RT: 5.40
Area: 359955469
Amount: 104.3274
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 08:54:50 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059955.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Apr-2024 08:50:44 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-004
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:31:03 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 05-Apr-2024 09:14:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	193815746	100.0	100.0	
2	1.441	1.441	0.000	421171145	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.941	1.942	-0.001	13771330	6.25	6.84	
2	1.805	1.806	-0.001	26657686	6.25	6.27	
						RPD = 8.61	
15 alpha-BHC							
1	2.337	2.337	0.000	6938928	2.50	2.39	
2	2.116	2.115	0.001	13569923	2.50	24.3	
						RPD = 164.21	
2 gamma-BHC (Lindane)							M
1	2.608	2.608	0.000	6346430	2.50	2.43	
2	2.310	2.311	-0.001	12581531	2.50	2.15	M
						RPD = 12.49	
6 beta-BHC							M
1	2.661	2.662	-0.001	3216813	2.50	2.82	
2	2.358	2.359	-0.001	6203308	2.50	2.61	M
						RPD = 7.83	
32 delta-BHC							
1	2.931	2.932	-0.001	6261208	2.50	2.51	
2	2.486	2.486	0.000	12078327	2.50	2.16	
						RPD = 14.89	
18 Heptachlor							
1	3.003	3.004	-0.001	6928756	2.50	2.62	
2	2.652	2.651	0.001	13509144	2.50	2.39	
						RPD = 9.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.342	3.343	-0.001	6839730	2.50	2.49	
2	2.894	2.895	-0.001	12827151	2.50	2.26	
						RPD = 9.89	
12 Heptachlor epoxide							
1	4.006	4.006	0.000	6460611	2.50	2.75	
2	3.462	3.463	-0.001	12620770	2.50	2.59	
						RPD = 5.96	
9 trans-Chlordane							
1	4.215	4.216	-0.001	6382063	2.50	2.66	
2	3.600	3.600	0.000	12767692	2.50	2.49	
						RPD = 6.47	
23 cis-Chlordane							
1	4.394	4.394	0.000	6216292	2.50	2.70	
2	3.748	3.750	-0.002	12653823	2.50	2.57	
						RPD = 4.96	
7 Endosulfan I							
1	4.467	4.466	0.001	5758479	2.50	2.66	
2	3.897	3.898	-0.001	11817533	2.50	2.59	
						RPD = 2.74	
25 4,4'-DDE							
1	4.620	4.621	-0.001	6275183	2.50	2.54	
2	3.838	3.839	-0.001	12417858	2.50	2.38	
						RPD = 6.43	
30 Dieldrin							
1	4.803	4.804	-0.001	6647958	2.50	2.61	
2	4.148	4.148	0.000	12541136	2.50	2.41	
						RPD = 7.98	
20 Endrin							M
1	5.121	5.122	-0.001	6281763	2.50	2.64	M
2	4.406	4.407	-0.001	11447602	2.50	2.38	
						RPD = 10.08	
16 4,4'-DDD							M
1	5.246	5.246	0.000	5431304	2.50	2.57	M
2	4.504	4.504	0.000	9656802	2.50	2.30	
						RPD = 11.03	
11 Endosulfan II							M
1	5.325	5.326	-0.001	6086409	2.50	2.89	M
2	4.674	4.675	-0.001	10736654	2.50	2.63	
						RPD = 9.34	
21 4,4'-DDT							
1	5.563	5.563	0.000	5268246	2.50	2.50	
2	4.832	4.832	0.000	9903078	2.50	2.28	
						RPD = 9.33	
5 Endrin aldehyde							M
1	5.676	5.677	-0.001	4405255	2.50	2.80	
2	5.104	5.104	0.000	8902260	2.50	2.59	M
						RPD = 7.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							M
1	6.009	6.010	-0.001	5331181	2.50	2.72	
2	5.512	5.510	0.002	9926754	2.50	2.42	M
						RPD = 11.87	
10 Methoxychlor							M
1	6.571	6.572	-0.001	3504012	2.50	2.97	
2	5.327	5.326	0.001	6993774	2.50	2.94	M
						RPD = 0.96	
34 Mirex							M
1	6.721	6.724	-0.003	5088489	2.50	2.91	
2	5.399	5.399	0.000	9942376	2.50	2.78	M
						RPD = 4.81	
13 Endrin ketone							M
1	6.826	6.827	-0.001	5316626	2.50	2.64	
2	5.790	5.788	0.002	10186393	2.50	2.42	M
						RPD = 8.86	
$ 24 DCB Decachlorobiphenyl							
1	8.179	8.179	0.000	15650241	6.25	7.28	
2	7.360	7.360	0.000	31188270	6.25	6.62	
						RPD = 9.40	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

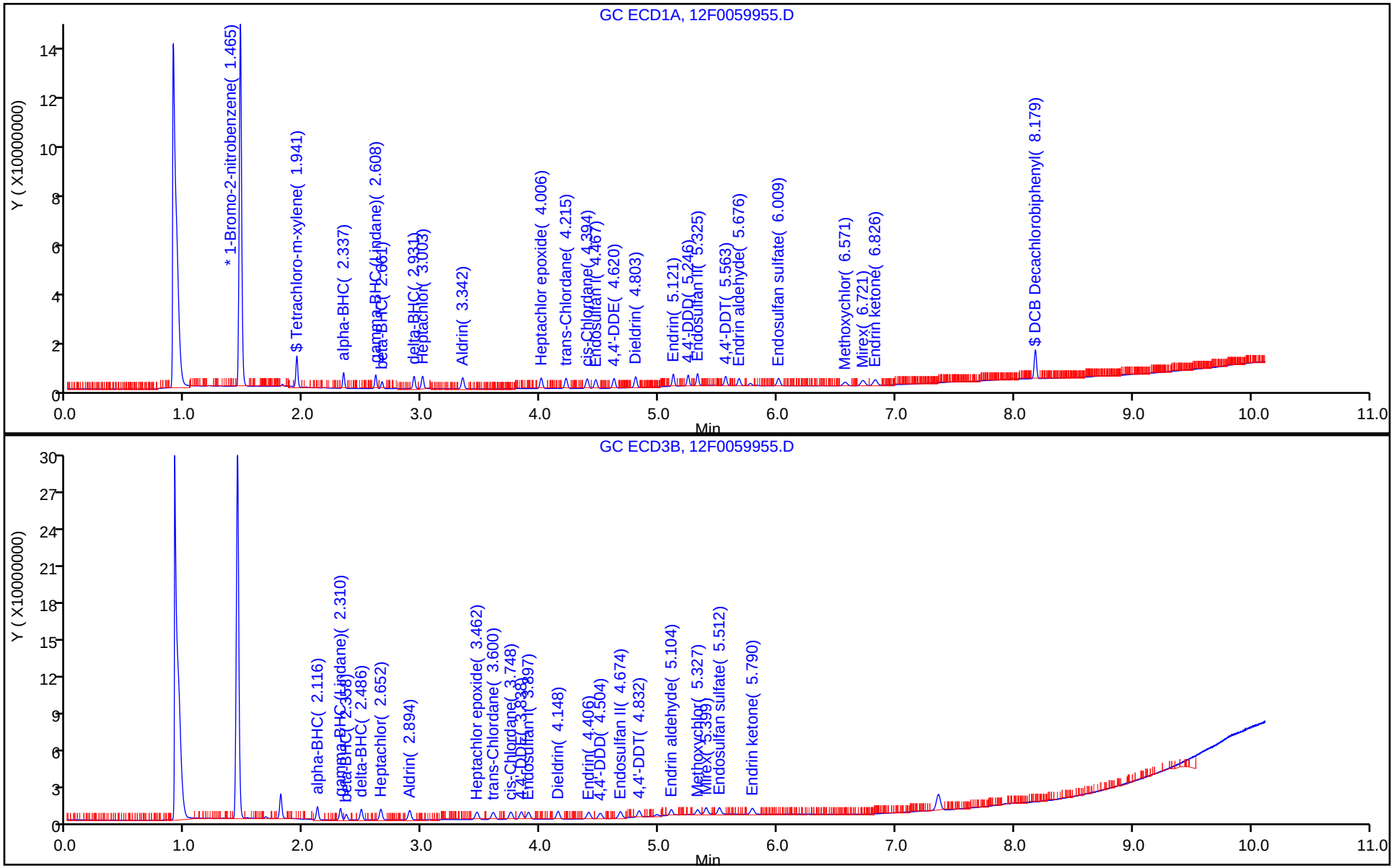
SGPESTL1_00035	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:31:05 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059955.D

Injection Date:	05-Apr-2024 08:50:44	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Manual Integration/User Assign Peak Report

Eurofins Edison

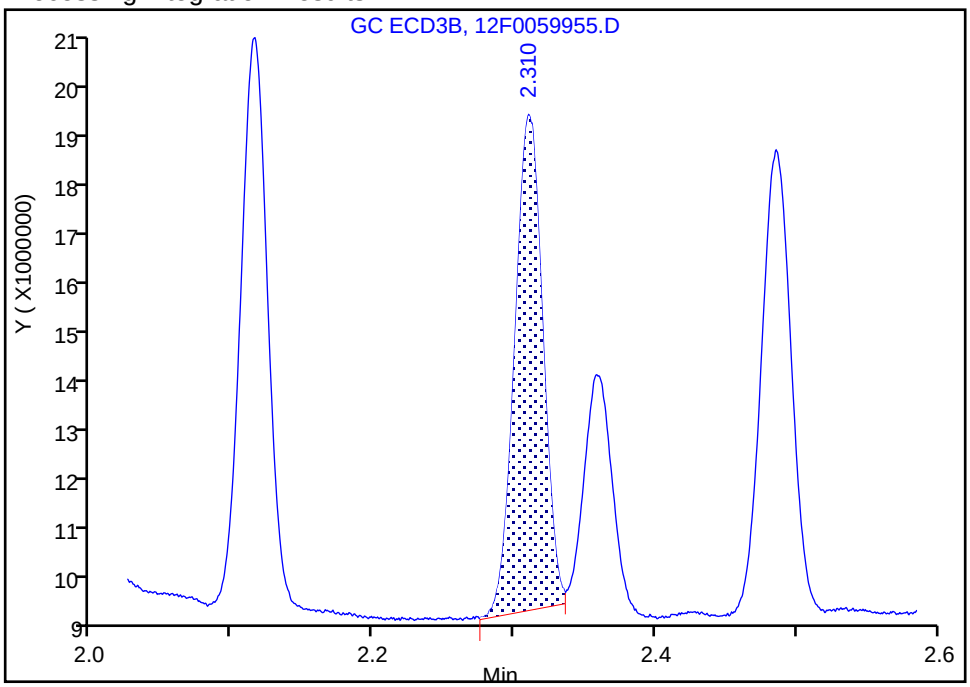
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Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 2

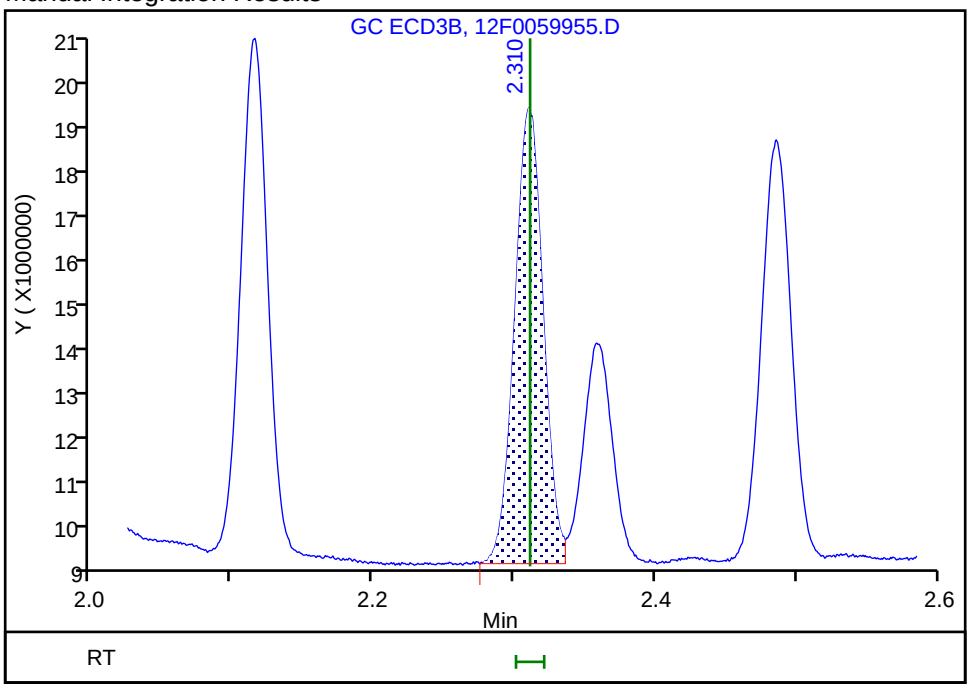
Processing Integration Results

RT: 2.31
Area: 12105797
Amount: 2.225128
Amount Units: ug/l



Manual Integration Results

RT: 2.31
Area: 12581531
Amount: 2.145079
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

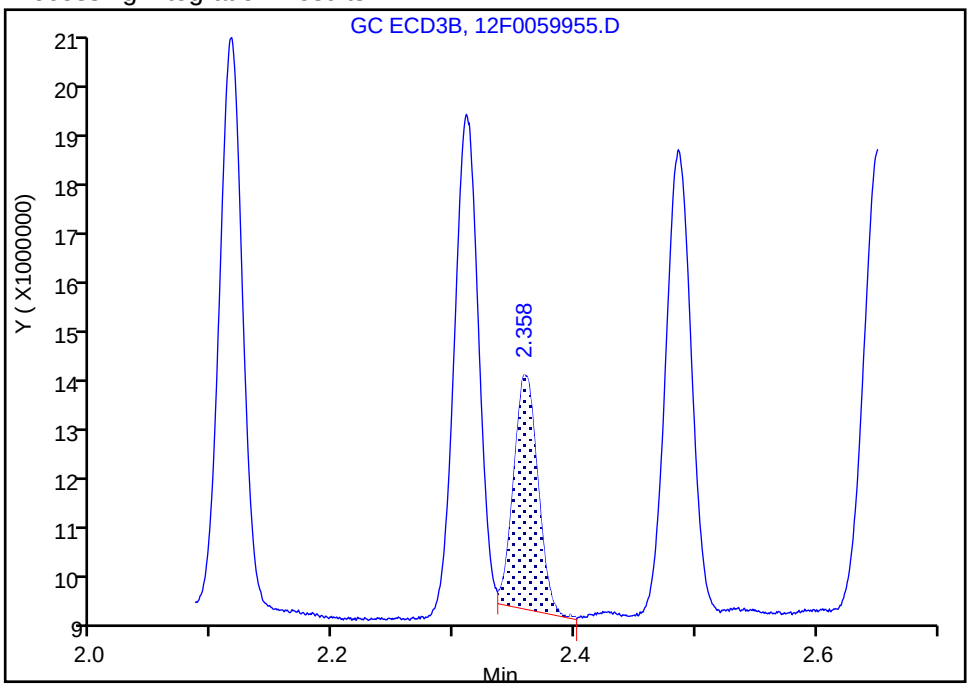
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Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

6 beta-BHC, CAS: 319-85-7

Signal: 2

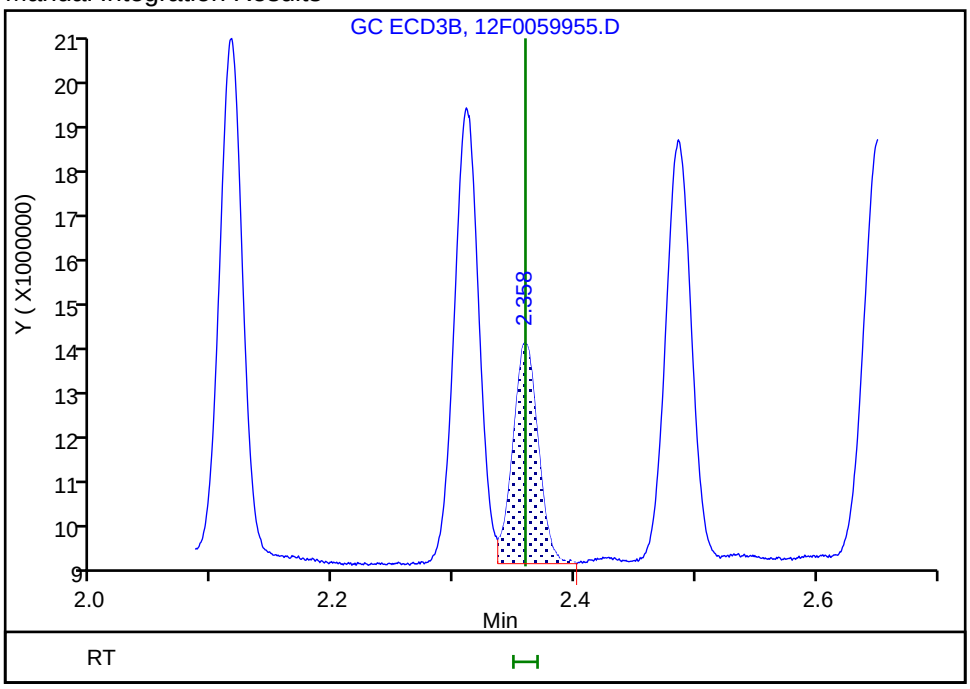
Processing Integration Results

RT: 2.36
Area: 5756164
Amount: 2.400468
Amount Units: ug/l



Manual Integration Results

RT: 2.36
Area: 6203308
Amount: 2.607780
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

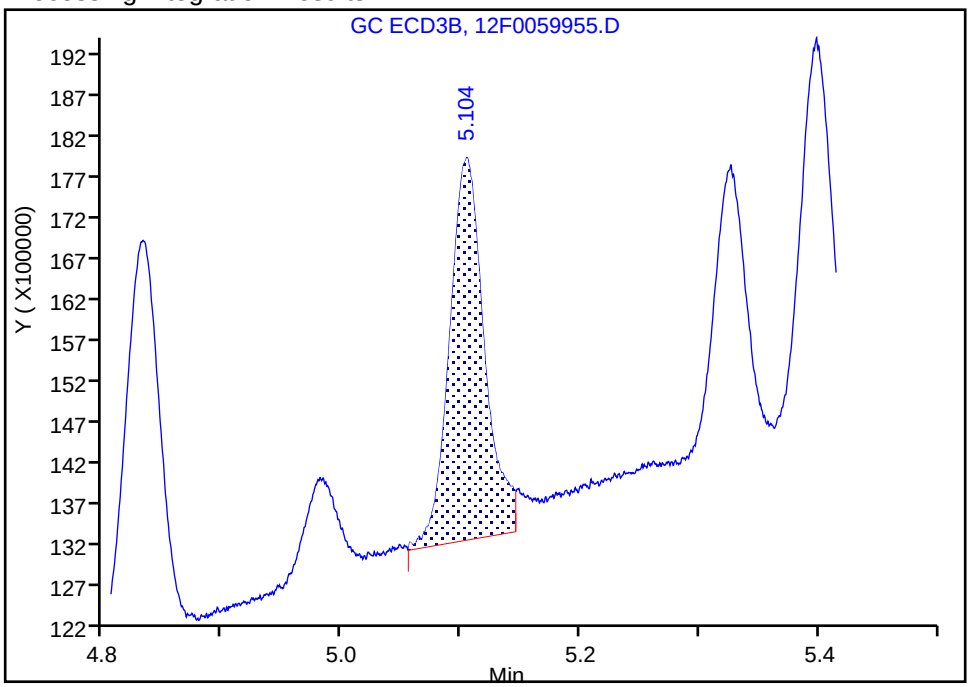
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Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

5 Endrin aldehyde, CAS: 7421-93-4

Signal: 2

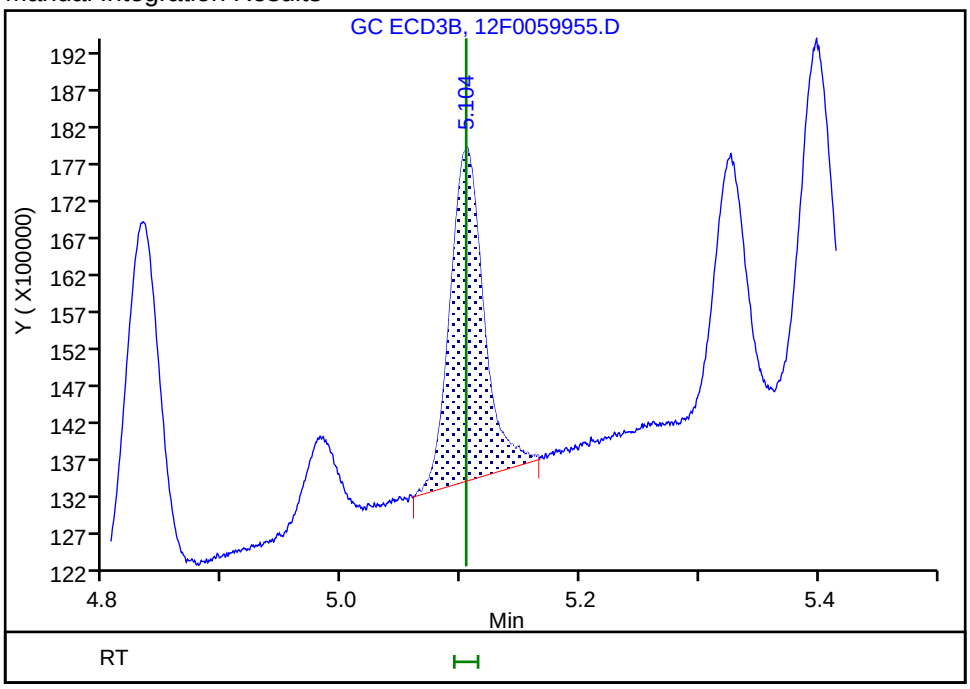
Processing Integration Results

RT: 5.10
Area: 9567538
Amount: 2.571187
Amount Units: ug/l



Manual Integration Results

RT: 5.10
Area: 8902260
Amount: 2.589412
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:47 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

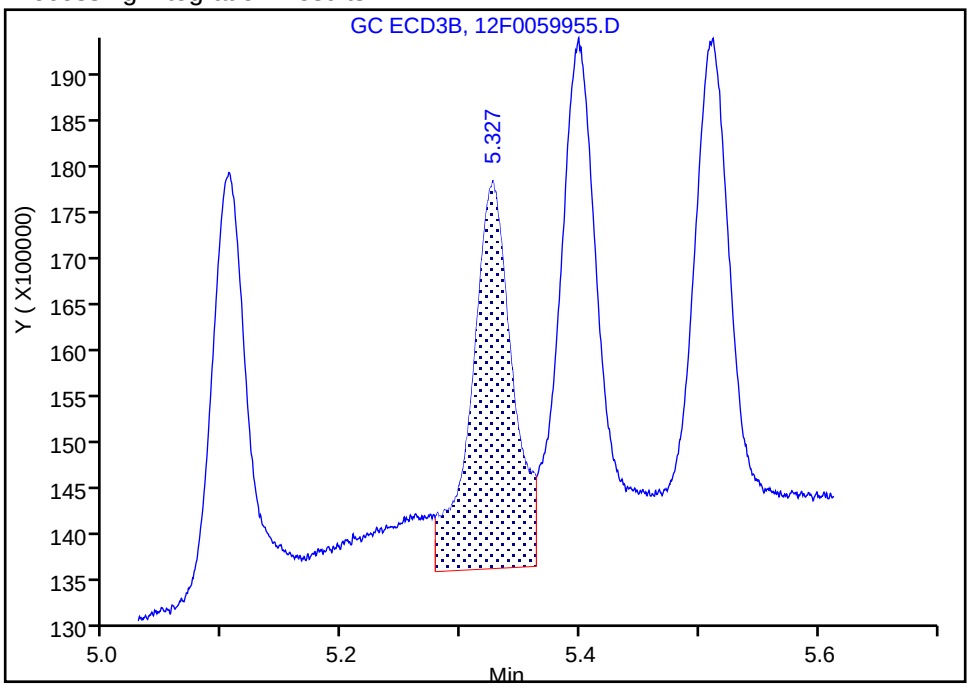
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059955.D
Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5

Signal: 2

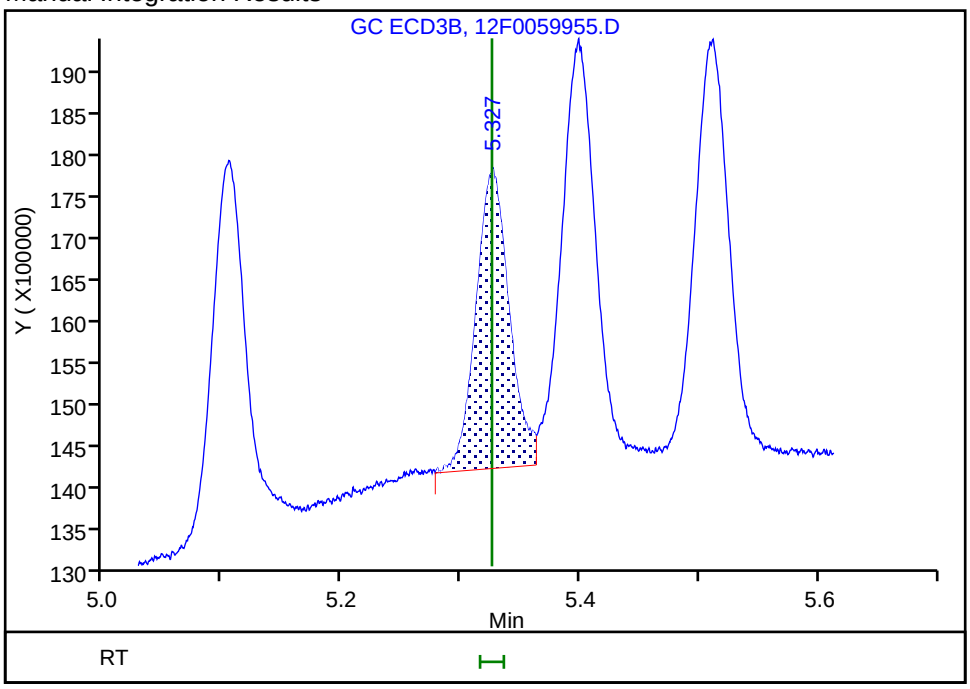
Processing Integration Results

RT: 5.33
Area: 10048707
Amount: 3.089406
Amount Units: ug/l



Manual Integration Results

RT: 5.33
Area: 6993774
Amount: 2.944372
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:38 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

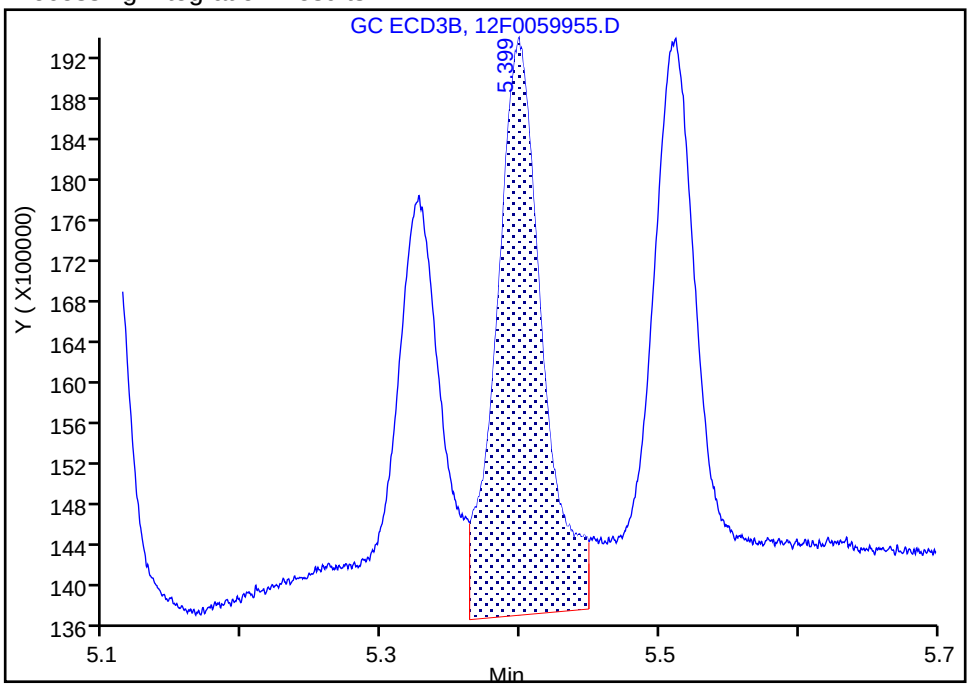
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Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

34 Mirex, CAS: 2385-85-5

Signal: 2

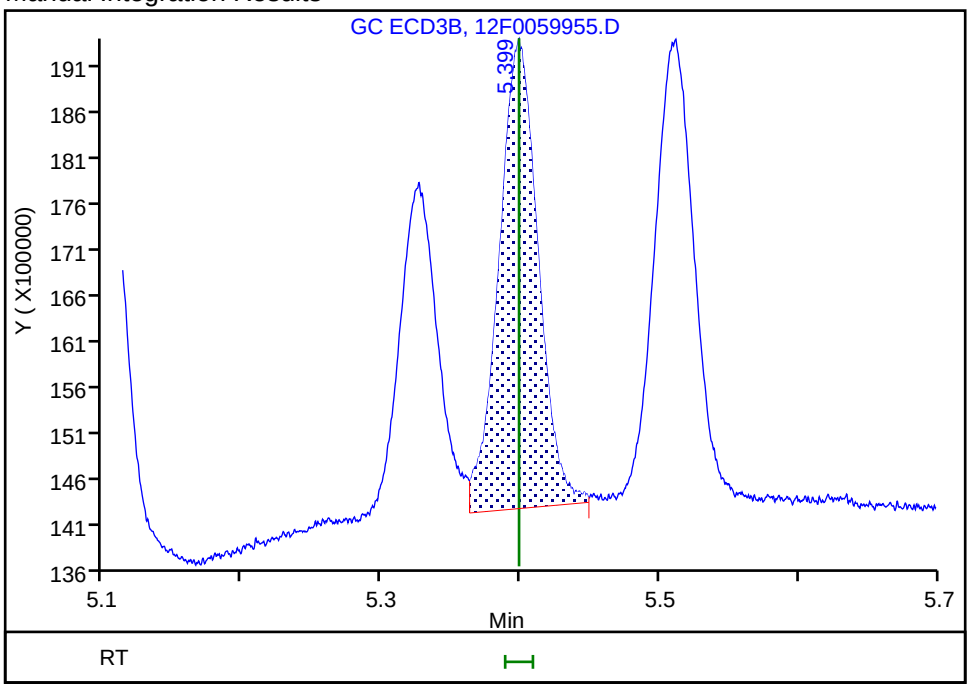
Processing Integration Results

RT: 5.40
Area: 13119225
Amount: 2.920854
Amount Units: ug/l



Manual Integration Results

RT: 5.40
Area: 9942376
Amount: 2.776805
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:38 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

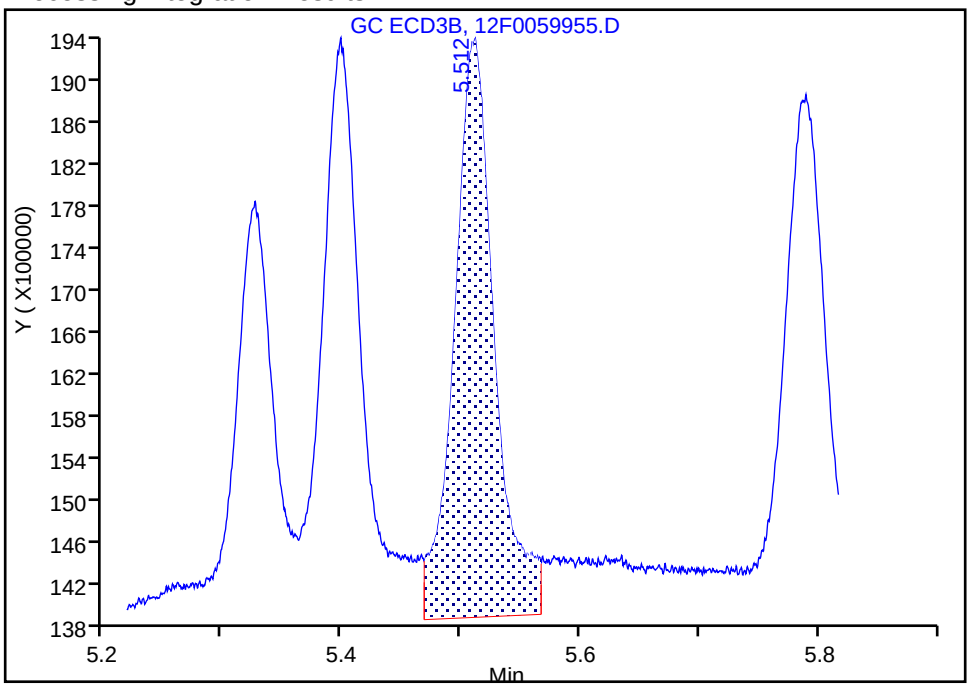
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Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

3 Endosulfan sulfate, CAS: 1031-07-8

Signal: 2

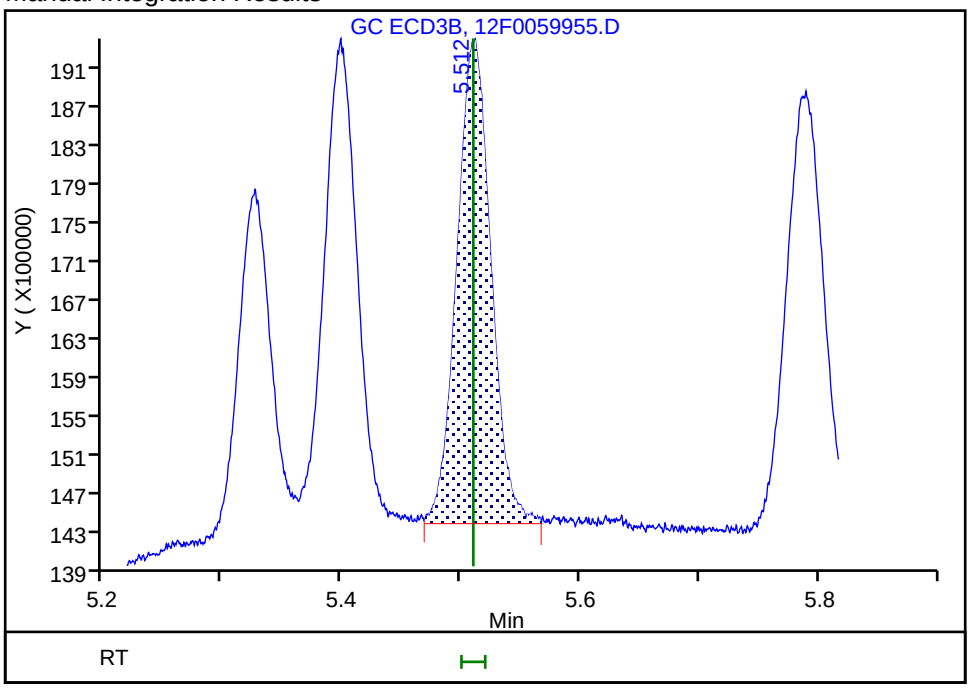
Processing Integration Results

RT: 5.51
Area: 12896023
Amount: 2.689196
Amount Units: ug/l



Manual Integration Results

RT: 5.51
Area: 9926754
Amount: 2.417747
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:40 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

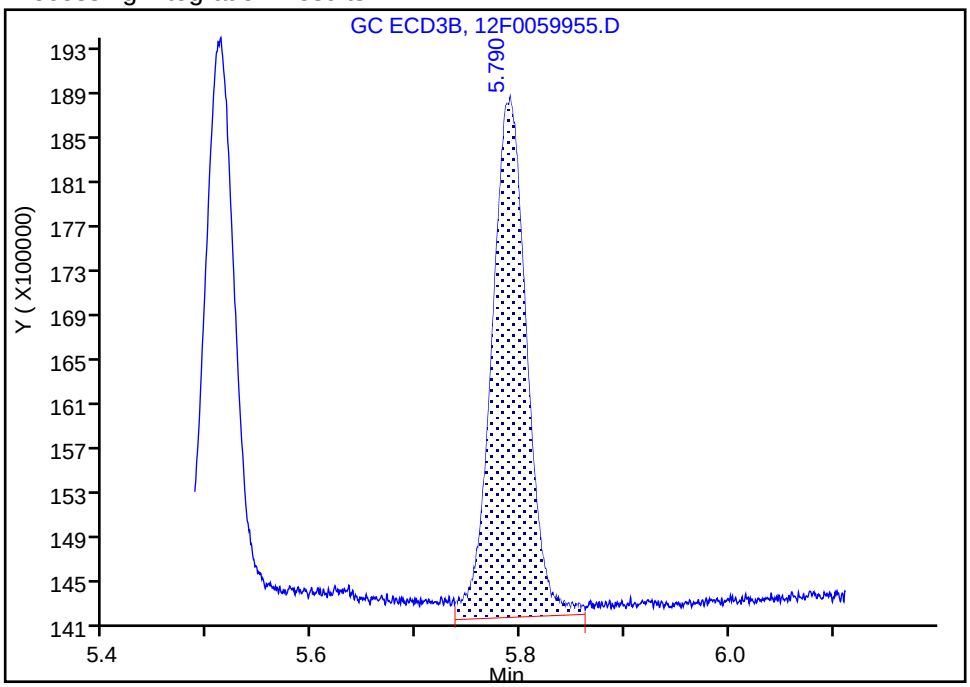
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059955.D
Injection Date: 05-Apr-2024 08:50:44 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

13 Endrin ketone, CAS: 53494-70-5

Signal: 2

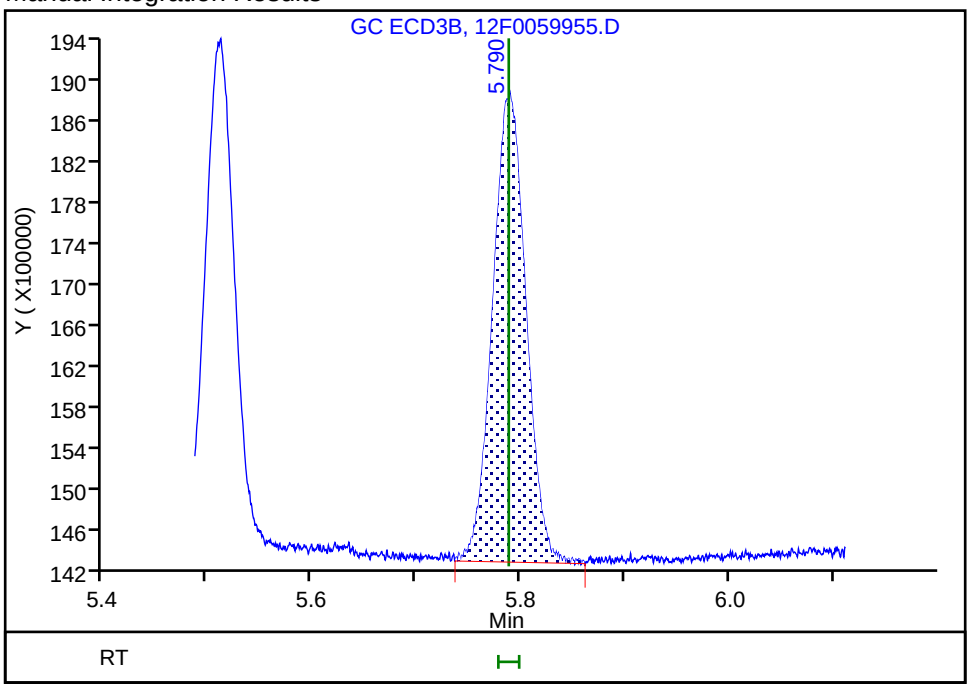
Processing Integration Results

RT: 5.79
Area: 10861254
Amount: 2.473759
Amount Units: ug/l



Manual Integration Results

RT: 5.79
Area: 10186393
Amount: 2.419018
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:13:42 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059956.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Apr-2024 09:03:04 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-005
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:31:13 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 05-Apr-2024 09:17:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	225607381	100.0	100.0	
2	1.441	1.441	0.000	490258975	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.941	1.942	-0.001	107952888	50.0	46.1	
2	1.806	1.806	0.000	219349929	50.0	44.3	
						RPD = 3.77	
15 alpha-BHC							
1	2.337	2.337	0.000	163349581	50.0	48.4	
2	2.116	2.115	0.001	330952961	50.0	54.9	
						RPD = 12.65	
2 gamma-BHC (Lindane)							M
1	2.608	2.608	0.000	147954342	50.0	48.7	M
2	2.311	2.311	0.000	306695585	50.0	44.9	
						RPD = 8.04	
6 beta-BHC							M
1	2.662	2.662	0.000	64480718	50.0	48.6	M
2	2.359	2.359	0.000	129140440	50.0	46.6	
						RPD = 4.05	
32 delta-BHC							M
1	2.932	2.932	0.000	138771962	50.0	47.7	M
2	2.486	2.486	0.000	292321119	50.0	44.9	
						RPD = 6.12	
18 Heptachlor							M
1	3.004	3.004	0.000	150294263	50.0	48.9	M
2	2.651	2.651	0.000	309000403	50.0	47.0	
						RPD = 3.94	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.343	3.343	0.000	157456637	50.0	49.3	
2	2.894	2.895	-0.001	311117407	50.0	47.1	
						RPD = 4.68	
12 Heptachlor epoxide							
1	4.006	4.006	0.000	133416776	50.0	48.7	
2	3.463	3.463	0.000	267665356	50.0	47.1	
						RPD = 3.30	
9 trans-Chlordane							
1	4.216	4.216	0.000	134487662	50.0	48.2	
2	3.601	3.600	0.001	273775572	50.0	46.0	
						RPD = 4.74	
23 cis-Chlordane							M
1	4.394	4.394	0.000	130022958	50.0	48.5	M
2	3.749	3.750	-0.001	263781978	50.0	46.0	
						RPD = 5.30	
7 Endosulfan I							M
1	4.467	4.466	0.001	123813192	50.0	49.2	M
2	3.898	3.898	0.000	249762230	50.0	47.1	
						RPD = 4.46	
25 4,4'-DDE							
1	4.621	4.621	0.000	139926630	50.0	48.7	
2	3.838	3.839	-0.001	281401512	50.0	46.4	
						RPD = 4.82	
30 Dieldrin							
1	4.803	4.804	-0.001	144887946	50.0	48.8	
2	4.149	4.148	0.001	287737981	50.0	47.5	
						RPD = 2.85	
20 Endrin							
1	5.122	5.122	0.000	135713991	50.0	49.0	
2	4.407	4.407	0.000	265097598	50.0	47.4	
						RPD = 3.15	
16 4,4'-DDD							
1	5.247	5.246	0.001	119622434	50.0	48.6	
2	4.504	4.504	0.000	227722030	50.0	46.6	
						RPD = 4.21	
11 Endosulfan II							
1	5.326	5.326	0.000	123229656	50.0	50.3	
2	4.675	4.675	0.000	232971725	50.0	49.1	
						RPD = 2.42	
21 4,4'-DDT							
1	5.564	5.563	0.001	118380348	50.0	48.3	
2	4.833	4.832	0.001	233842401	50.0	46.2	
						RPD = 4.38	
5 Endrin aldehyde							
1	5.678	5.677	0.001	89039444	50.0	48.6	
2	5.103	5.104	-0.001	189335112	50.0	47.3	
						RPD = 2.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.010	6.010	0.000	110034931	50.0	48.3	
2	5.511	5.510	0.001	224081475	50.0	46.9	
						RPD = 2.92	
10 Methoxychlor							
1	6.573	6.572	0.001	66182260	50.0	48.2	
2	5.326	5.326	0.000	128799339	50.0	46.6	
						RPD = 3.49	
34 Mirex							M
1	6.723	6.724	-0.001	98325611	50.0	48.4	M
2	5.398	5.399	-0.001	188752739	50.0	45.3	
						RPD = 6.58	
13 Endrin ketone							M
1	6.826	6.827	-0.001	112967808	50.0	48.2	M
2	5.789	5.788	0.001	229461407	50.0	46.8	
						RPD = 3.02	
$ 24 DCB Decachlorobiphenyl							
1	8.182	8.179	0.003	116316253	50.0	46.5	
2	7.360	7.360	0.000	247214698	50.0	45.1	
						RPD = 2.97	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGPESTL2_00046	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:31:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059956.D

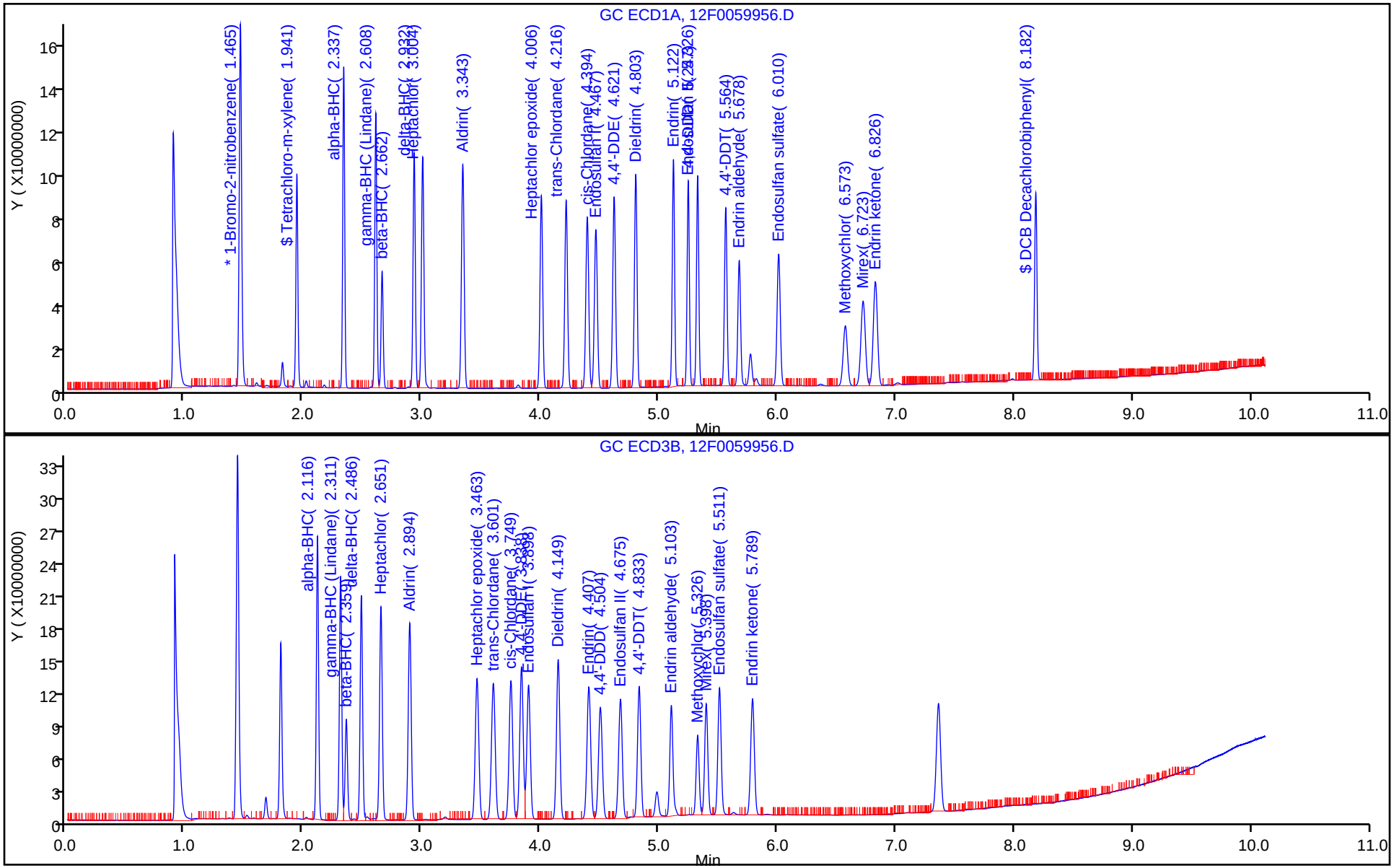
Injection Date: 05-Apr-2024 09:03:04 Instrument ID: CPESTGC12 Operator ID:

Lims ID: IC Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: GC8081 Limit Group: GC 8081B PEST ISTD



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059957.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Apr-2024 09:15:27 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-006
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:31:23 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	241906873	100.0	100.0	
2	1.441	1.441	0.000	508313239	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.942	1.942	0.000	354374418	150.0	141.0	
2	1.807	1.806	0.001	750711037	150.0	146.4	
						RPD = 3.76	
15 alpha-BHC							
1	2.338	2.337	0.001	862801245	250.0	238.3	
2	2.117	2.115	0.002	1920397707	250.0	202.4	
						RPD = 16.27	
2 gamma-BHC (Lindane)							
1	2.609	2.608	0.001	762357308	250.0	234.0	
2	2.312	2.311	0.001	1728871073	250.0	244.2	
						RPD = 4.30	
6 beta-BHC							
1	2.662	2.662	0.000	313332941	250.0	220.1	
2	2.359	2.359	0.000	672854309	250.0	234.4	
						RPD = 6.28	
32 delta-BHC							
1	2.933	2.932	0.001	719218389	250.0	230.6	
2	2.487	2.486	0.001	1662235472	250.0	246.1	
						RPD = 6.51	
18 Heptachlor							
1	3.004	3.004	0.000	752833526	250.0	228.4	
2	2.652	2.651	0.001	1626055726	250.0	238.5	
						RPD = 4.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.343	3.343	0.000	797379317	250.0	233.0	
2	2.895	2.895	0.000	1667024162	250.0	243.3	
						RPD = 4.32	
12 Heptachlor epoxide							
1	4.007	4.006	0.001	660284264	250.0	224.8	
2	3.463	3.463	0.000	1375624442	250.0	233.6	
						RPD = 3.83	
9 trans-Chlordane							
1	4.216	4.216	0.000	684131792	250.0	228.6	
2	3.601	3.600	0.001	1473819657	250.0	238.6	
						RPD = 4.28	
23 cis-Chlordane							
1	4.395	4.394	0.001	637783733	250.0	222.1	
2	3.749	3.750	-0.001	1384831952	250.0	233.1	
						RPD = 4.85	
7 Endosulfan I							
1	4.467	4.466	0.001	605420283	250.0	224.4	
2	3.899	3.898	0.001	1283625019	250.0	233.3	
						RPD = 3.88	
25 4,4'-DDE							
1	4.621	4.621	0.000	712664503	250.0	231.3	
2	3.839	3.839	0.000	1495516776	250.0	237.8	
						RPD = 2.79	
30 Dieldrin							
1	4.804	4.804	0.000	727508900	250.0	228.7	
2	4.149	4.148	0.001	1498064375	250.0	238.3	
						RPD = 4.13	
20 Endrin							
1	5.122	5.122	0.000	674219657	250.0	226.8	
2	4.409	4.407	0.002	1376252773	250.0	237.5	
						RPD = 4.61	
16 4,4'-DDD							
1	5.247	5.246	0.001	602078708	250.0	228.0	
2	4.506	4.504	0.002	1237630261	250.0	244.1	
						RPD = 6.82	
11 Endosulfan II							
1	5.327	5.326	0.001	604439636	250.0	229.9	
2	4.674	4.675	-0.001	1213130470	250.0	246.4	
						RPD = 6.92	
21 4,4'-DDT							
1	5.564	5.563	0.001	611909671	250.0	232.9	
2	4.833	4.832	0.001	1296780372	250.0	247.4	
						RPD = 6.01	
5 Endrin aldehyde							
1	5.677	5.677	0.000	438662398	250.0	223.3	
2	5.104	5.104	0.000	978658536	250.0	235.9	
						RPD = 5.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.011	6.010	0.001	549833827	250.0	225.0	
2	5.511	5.510	0.001	1187330691	250.0	239.6	
						RPD = 6.30	
10 Methoxychlor							
1	6.573	6.572	0.001	319363892	250.0	217.1	
2	5.326	5.326	0.000	638907953	250.0	222.9	
						RPD = 2.63	
34 Mirex							
1	6.725	6.724	0.001	466015461	250.0	213.8	
2	5.399	5.399	0.000	991947223	250.0	229.5	
						RPD = 7.10	
13 Endrin ketone							
1	6.828	6.827	0.001	563692897	250.0	224.5	
2	5.791	5.788	0.003	1228553532	250.0	241.7	
						RPD = 7.38	
$ 24 DCB Decachlorobiphenyl							
1	8.182	8.179	0.003	365592147	150.0	136.2	
2	7.359	7.360	-0.001	827442670	150.0	145.6	
						RPD = 6.68	

Reagents:

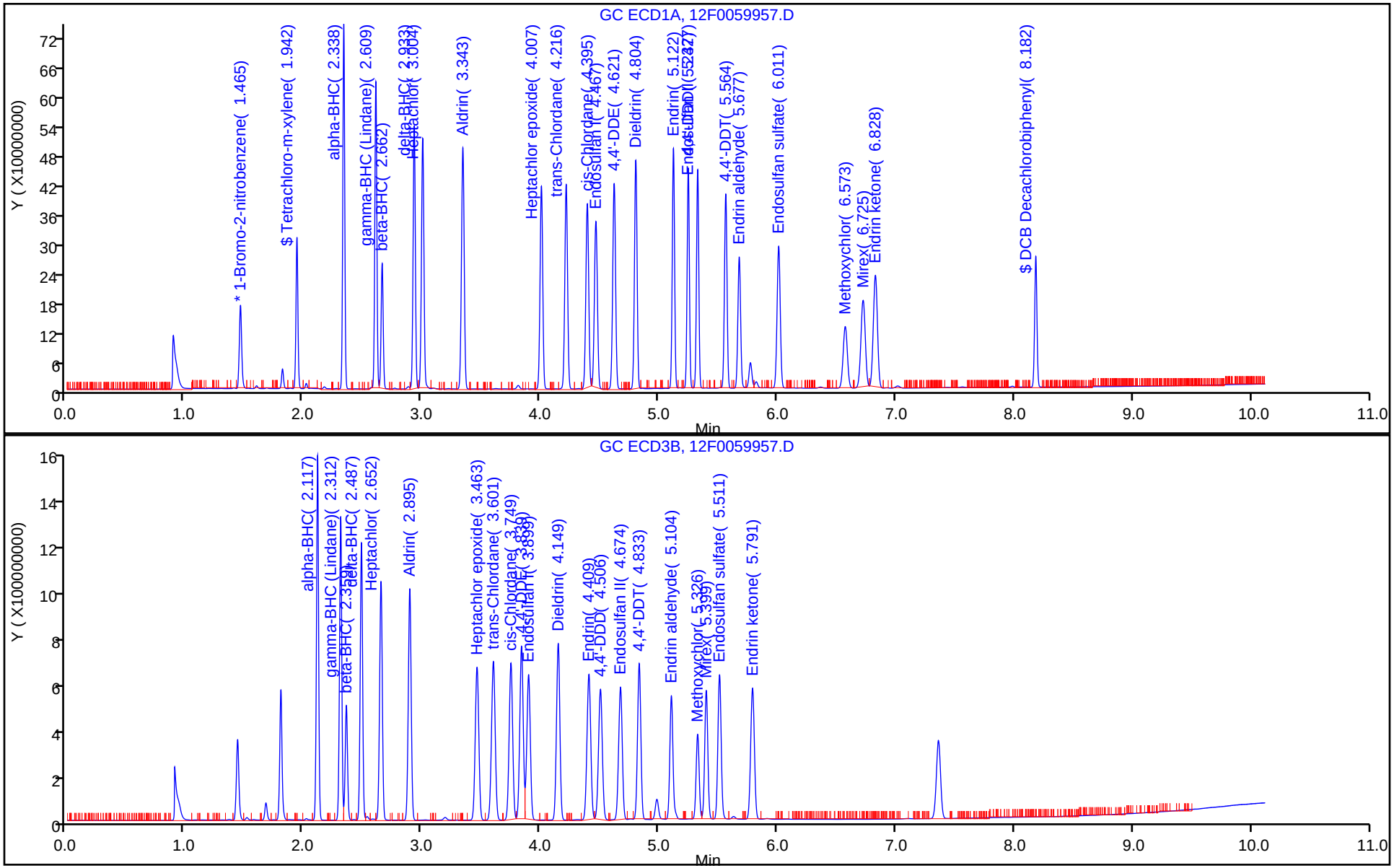
SGPESTL4_00041	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:31:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059957.D

Injection Date:	05-Apr-2024 09:15:27	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Apr-2024 09:27:43 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-007
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:31:32 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 05-Apr-2024 09:43:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	211114612	100.0	100.0	
2	1.441	1.441	0.000	421145383	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.942	1.942	0.000	414454675	200.0	189.0	
2	1.807	1.806	0.001	901769143	200.0	212.2	
						RPD = 11.61	
15 alpha-BHC							
1	2.338	2.337	0.001	1607527377	500.0	508.7	
2	2.121	2.115	0.006	4437425047	500.0	523.8	
						RPD = 2.92	
2 gamma-BHC (Lindane)							M
1	2.609	2.608	0.001	1426514921	500.0	501.6	M
2	2.314	2.311	0.003	3627662145	500.0	618.5	
						RPD = 20.87	
6 beta-BHC							M
1	2.662	2.662	0.000	573741667	500.0	461.8	M
2	2.360	2.359	0.001	1235059566	500.0	519.2	
						RPD = 11.70	
32 delta-BHC							M
1	2.933	2.932	0.001	1366730836	500.0	502.1	M
2	2.489	2.486	0.003	3376702599	500.0	603.4	
						RPD = 18.33	
18 Heptachlor							M
1	3.005	3.004	0.001	1379974009	500.0	479.6	M
2	2.654	2.651	0.003	3097781042	500.0	548.4	
						RPD = 13.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.344	3.343	0.001	1455843377	500.0	487.4	
2	2.897	2.895	0.002	3185283967	500.0	561.0	
						RPD = 14.04	
12 Heptachlor epoxide							
1	4.007	4.006	0.001	1203231995	500.0	469.5	
2	3.465	3.463	0.002	2484103769	500.0	509.2	
						RPD = 8.11	
9 trans-Chlordane							
1	4.217	4.216	0.001	1267219585	500.0	485.2	
2	3.602	3.600	0.002	2764158649	500.0	540.2	
						RPD = 10.72	
23 cis-Chlordane							M
1	4.395	4.394	0.001	1214508526	500.0	484.6	M
2	3.751	3.750	0.001	2639355552	500.0	536.3	M
						RPD = 10.13	
7 Endosulfan I							M
1	4.467	4.466	0.001	1109329319	500.0	471.2	M
2	3.900	3.898	0.002	2305553226	500.0	505.8	M
						RPD = 7.07	
25 4,4'-DDE							M
1	4.623	4.621	0.002	1328388842	500.0	493.9	
2	3.840	3.839	0.001	2878034500	500.0	552.4	M
						RPD = 11.17	
30 Dieldrin							M
1	4.804	4.804	0.000	1345269157	500.0	484.5	M
2	4.150	4.148	0.002	2766804576	500.0	531.2	
						RPD = 9.21	
20 Endrin							M
1	5.123	5.122	0.001	1254417652	500.0	483.5	M
2	4.408	4.407	0.001	2577544567	500.0	536.9	M
						RPD = 10.46	
16 4,4'-DDD							M
1	5.248	5.246	0.002	1156581883	500.0	501.8	M
2	4.506	4.504	0.002	2310567640	500.0	550.0	M
						RPD = 9.16	
11 Endosulfan II							M
1	5.327	5.326	0.001	899502085	500.0	392.0	M
2	4.675	4.675	0.000	1737666890	500.0	425.9	
						RPD = 8.29	
21 4,4'-DDT							
1	5.565	5.563	0.002	1145773877	500.0	499.8	
2	4.834	4.832	0.002	2411656521	500.0	555.2	
						RPD = 10.51	
5 Endrin aldehyde							M
1	5.678	5.677	0.001	803720385	500.0	468.8	M
2	5.105	5.104	0.001	1758449306	500.0	511.5	
						RPD = 8.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.011	6.010	0.001	1011844148	500.0	474.4	
2	5.512	5.510	0.002	2170092815	500.0	528.6	
						RPD = 10.80	
10 Methoxychlor							M
1	6.575	6.572	0.003	582119969	500.0	453.4	
2	5.327	5.326	0.001	1131295918	500.0	476.3	M
						RPD = 4.92	
34 Mirex							M
1	6.725	6.724	0.001	879326405	500.0	462.3	M
2	5.400	5.399	0.001	1829635522	500.0	511.0	M
						RPD = 10.02	
13 Endrin ketone							M
1	6.827	6.827	0.000	1081276305	500.0	493.5	M
2	5.791	5.788	0.003	2264521738	500.0	537.8	
						RPD = 8.59	
$ 24 DCB Decachlorobiphenyl							
1	8.183	8.179	0.004	435968886	200.0	186.1	
2	7.361	7.360	0.001	938847400	200.0	199.4	
						RPD = 6.90	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGPESTL5_00042	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:31:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D

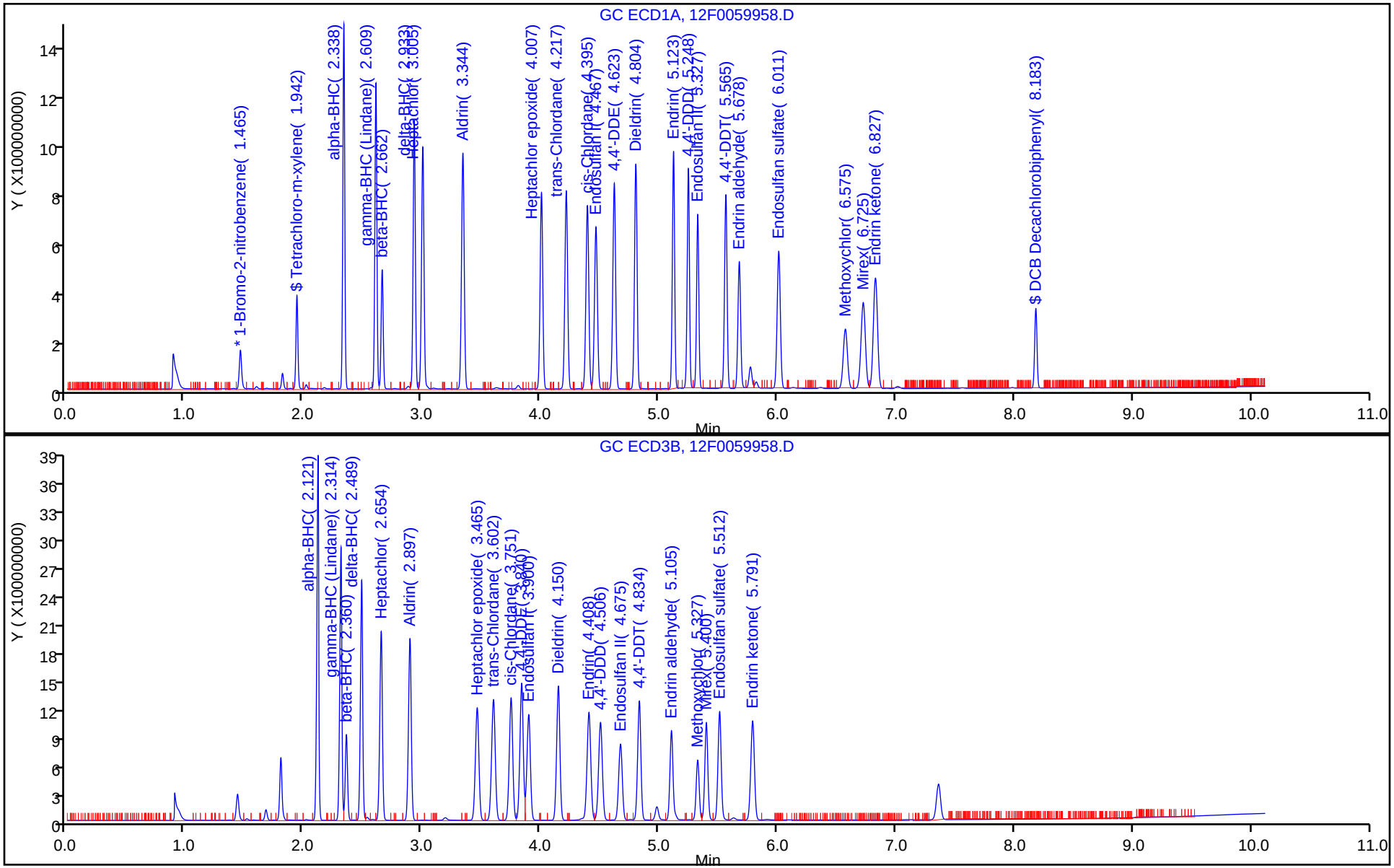
Injection Date: 05-Apr-2024 09:27:43 Instrument ID: CPESTGC12 Operator ID:

Lims ID: IC Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: GC8081 Limit Group: GC 8081B PEST ISTD



Manual Integration/User Assign Peak Report

Eurofins Edison

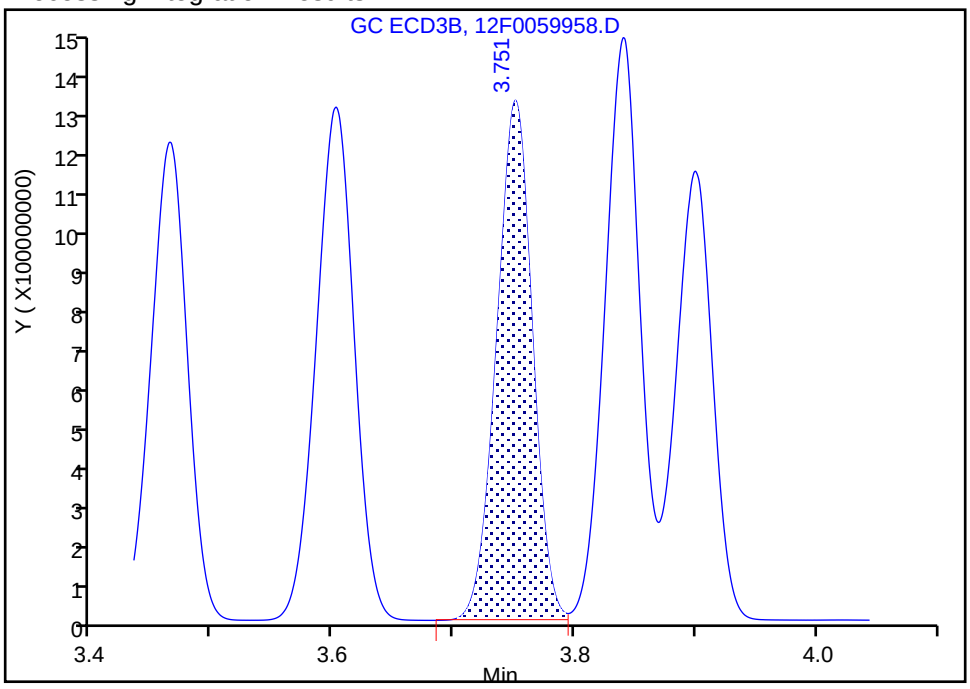
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Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

23 cis-Chlordane, CAS: 5103-71-9

Signal: 2

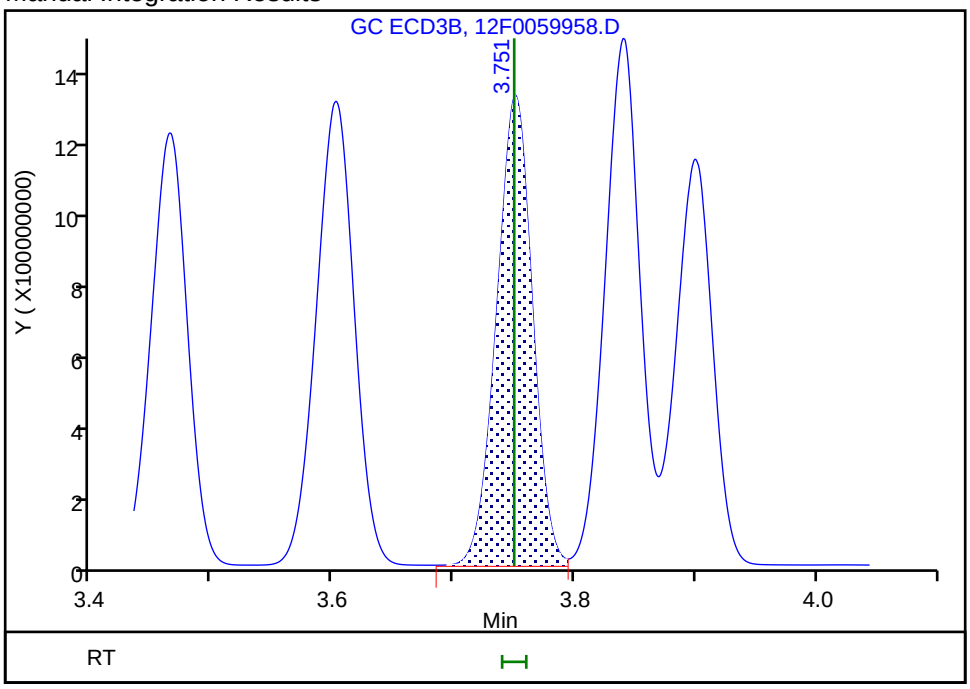
Processing Integration Results

RT: 3.75
Area: 2624674505
Amount: 533.9666
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 2639355552
Amount: 536.3126
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:27 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

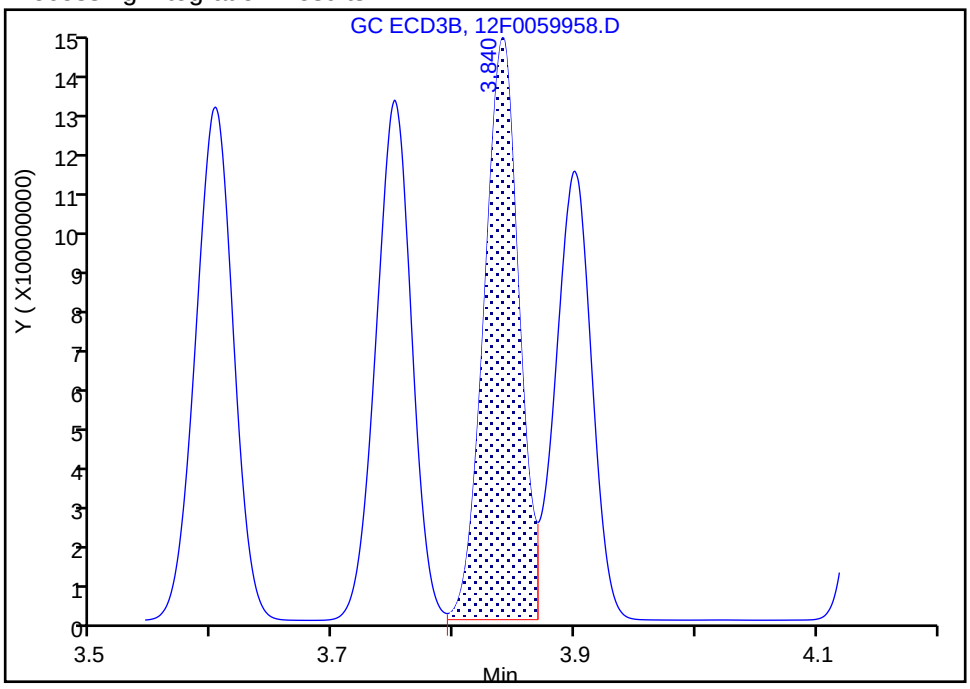
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Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

25 4,4'-DDE, CAS: 72-55-9

Signal: 2

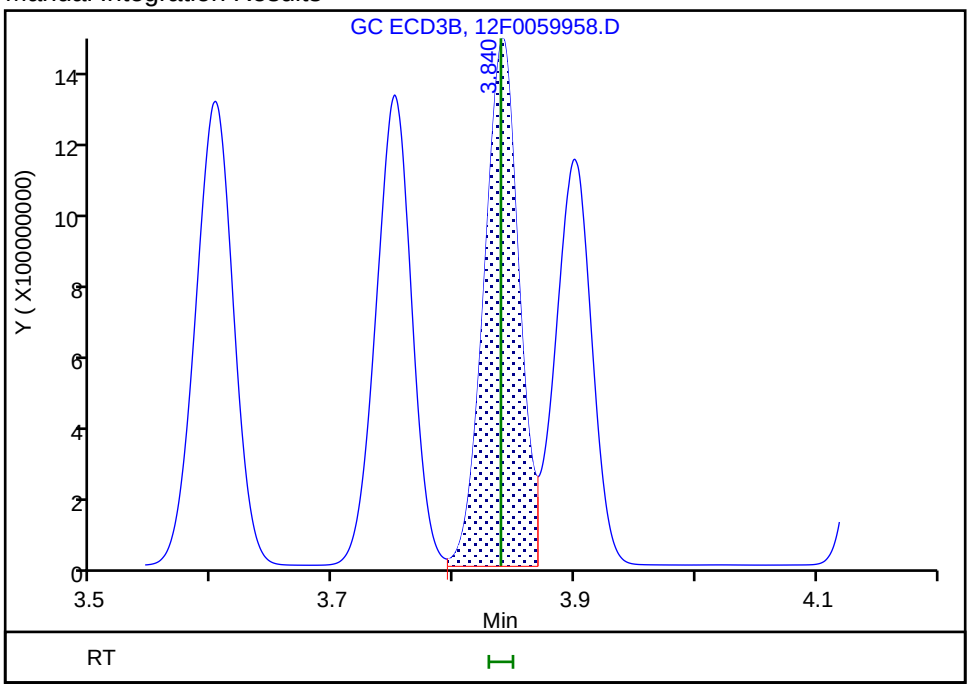
Processing Integration Results

RT: 3.84
Area: 2859990098
Amount: 549.6531
Amount Units: ug/l



Manual Integration Results

RT: 3.84
Area: 2878034500
Amount: 552.3548
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:27 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

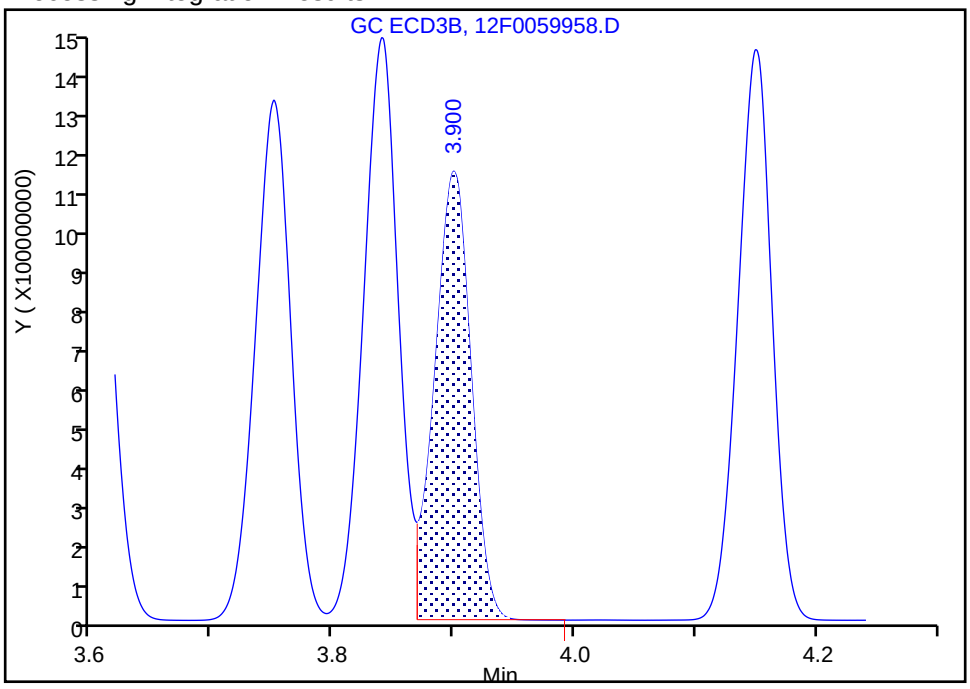
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D				
Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

7 Endosulfan I, CAS: 959-98-8

Signal: 2

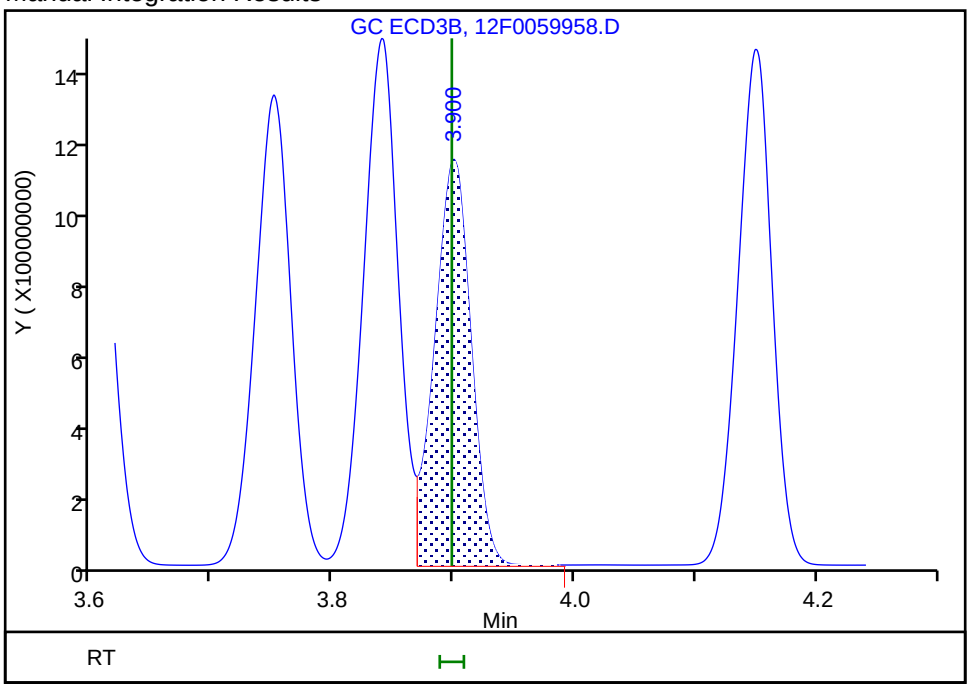
Processing Integration Results

RT: 3.90
Area: 2293136390
Amount: 503.6012
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 2305553226
Amount: 505.7764
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:27 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

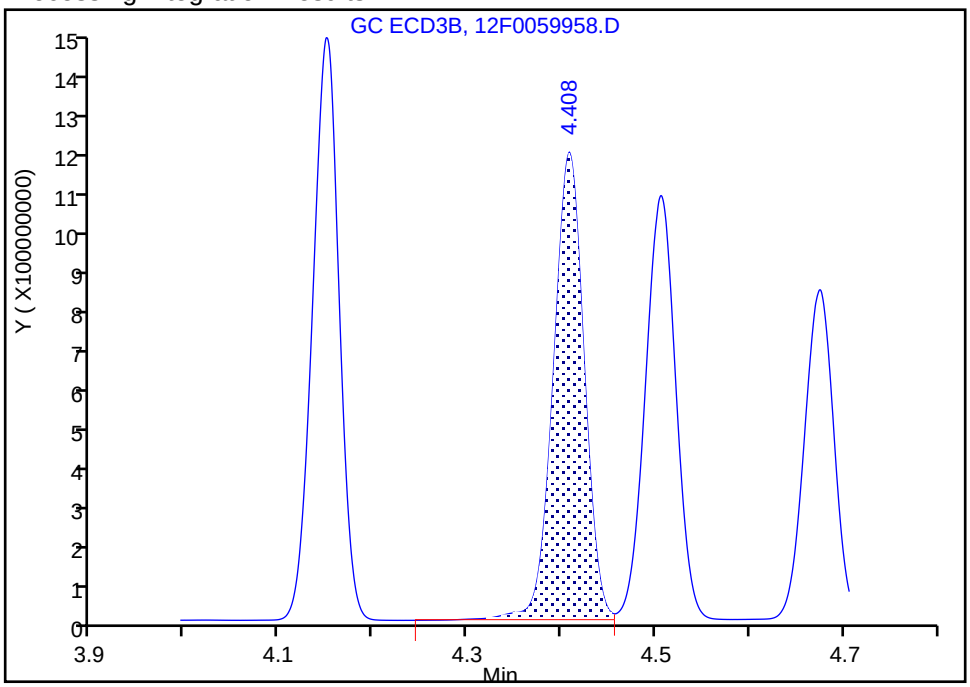
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D
Injection Date: 05-Apr-2024 09:27:43 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8

Signal: 2

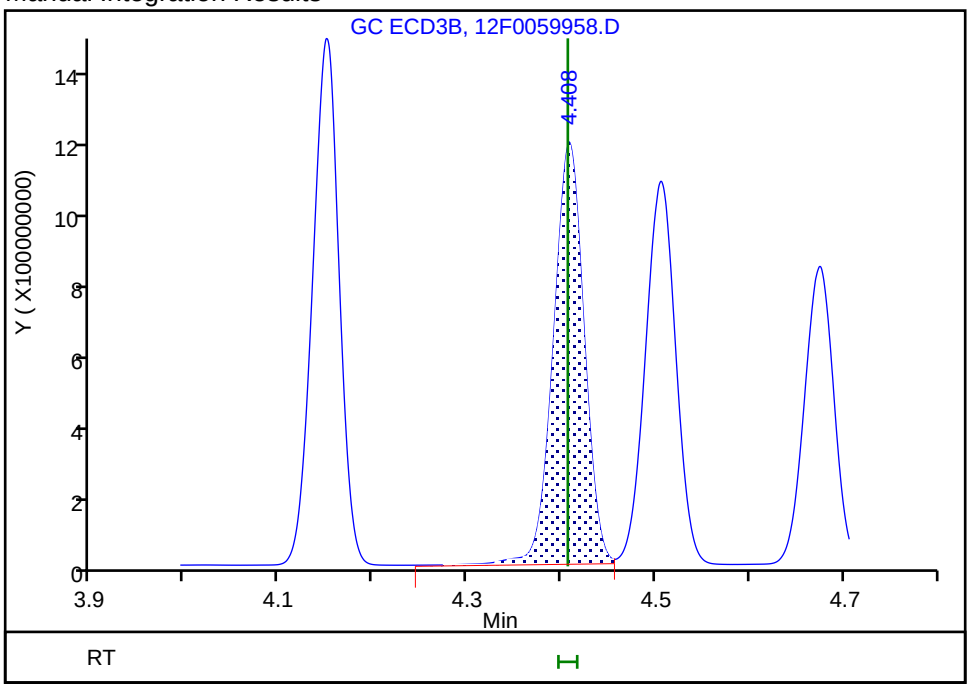
Processing Integration Results

RT: 4.41
Area: 2560274693
Amount: 534.0385
Amount Units: ug/l



Manual Integration Results

RT: 4.41
Area: 2577544567
Amount: 536.8672
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

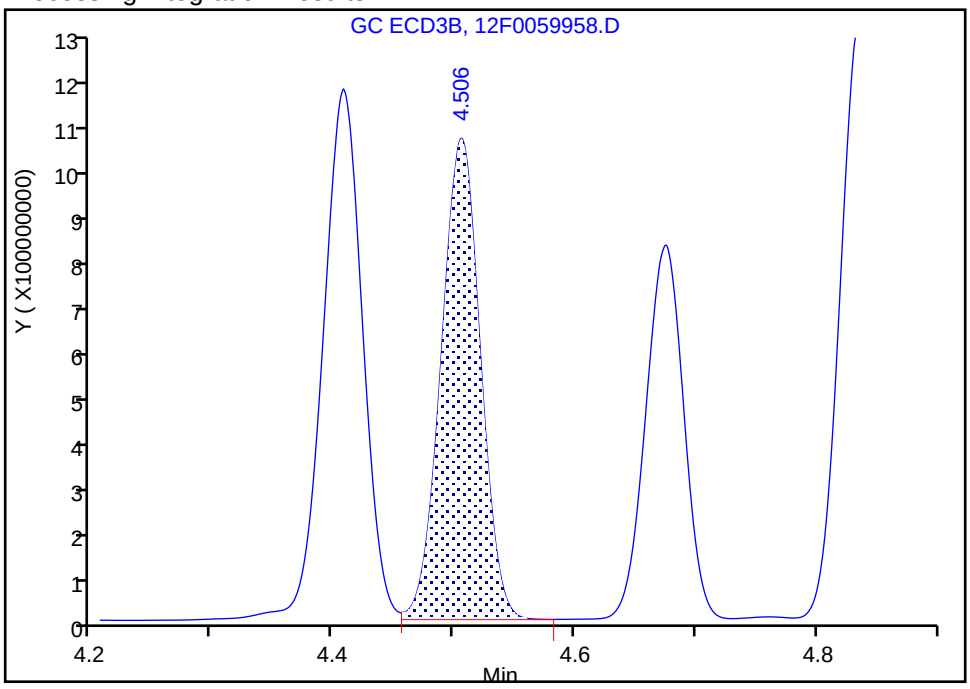
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Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

16 4,4'-DDD, CAS: 72-54-8

Signal: 2

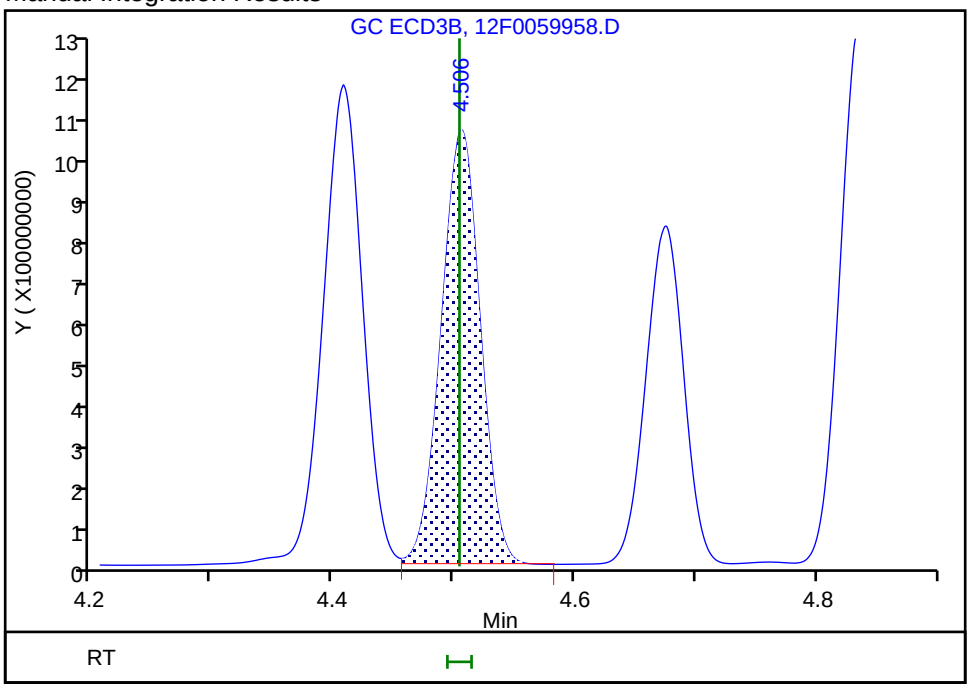
Processing Integration Results

RT: 4.51
Area: 2299331174
Amount: 547.9054
Amount Units: ug/l



Manual Integration Results

RT: 4.51
Area: 2310567640
Amount: 549.9939
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:28 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

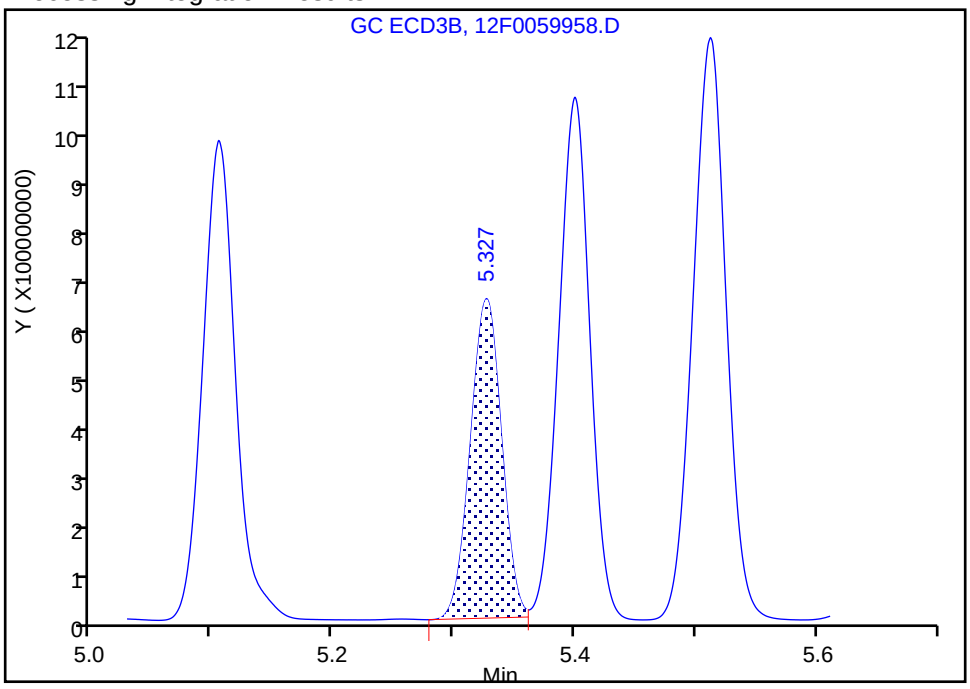
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Injection Date: 05-Apr-2024 09:27:43 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5

Signal: 2

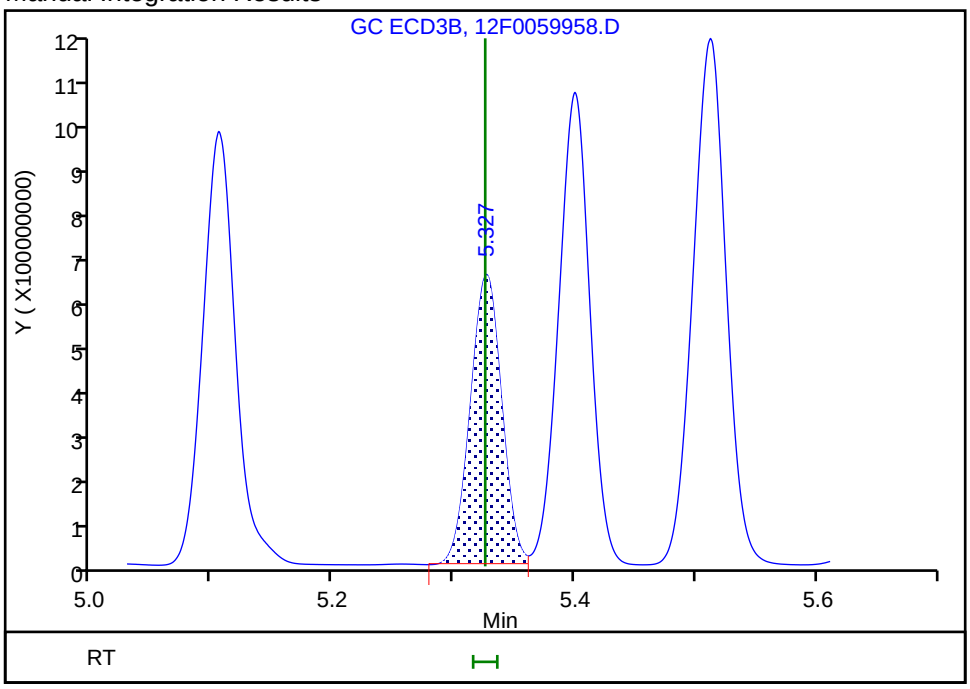
Processing Integration Results

RT: 5.33
Area: 1115352209
Amount: 470.8552
Amount Units: ug/l



Manual Integration Results

RT: 5.33
Area: 1131295918
Amount: 476.3036
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:30 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins Edison

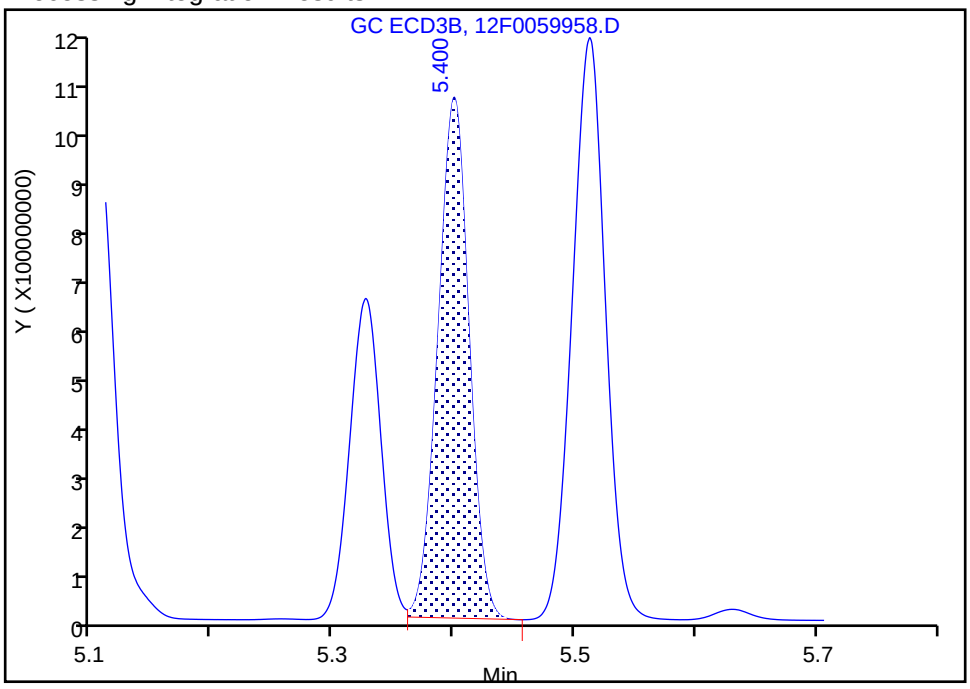
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059958.D				
Injection Date:	05-Apr-2024 09:27:43	Instrument ID:	CPESTGC12		
Lims ID:	IC				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

34 Mirex, CAS: 2385-85-5

Signal: 2

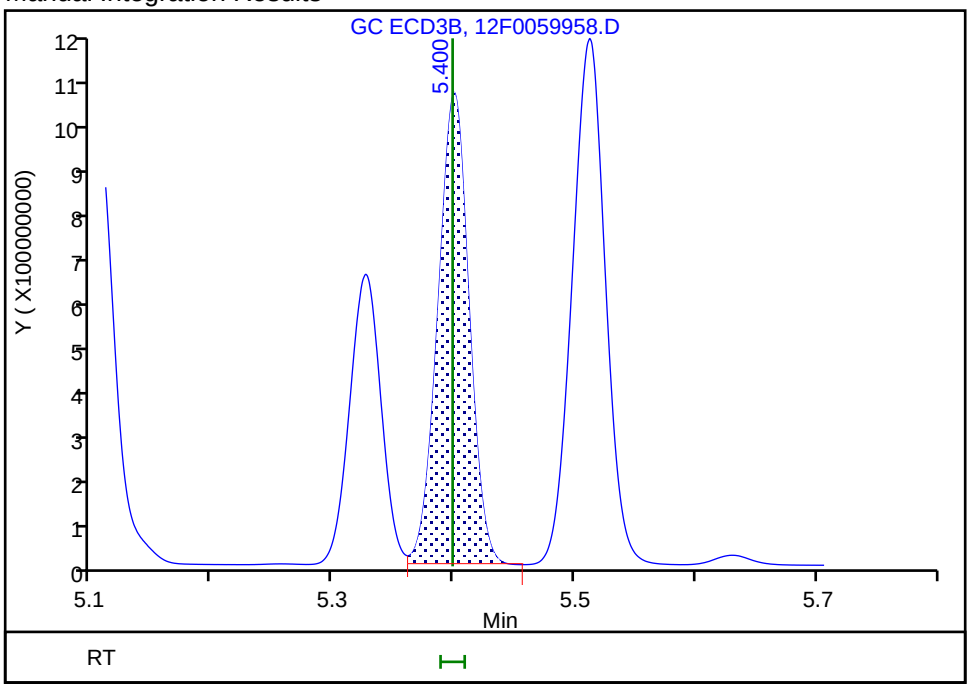
Processing Integration Results

RT: 5.40
Area: 1812389106
Amount: 507.1903
Amount Units: ug/l



Manual Integration Results

RT: 5.40
Area: 1829635522
Amount: 511.0300
Amount Units: ug/l



Reviewer: ESS0, 05-Apr-2024 09:43:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Calibration / Tetrachloro-m-xylene

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

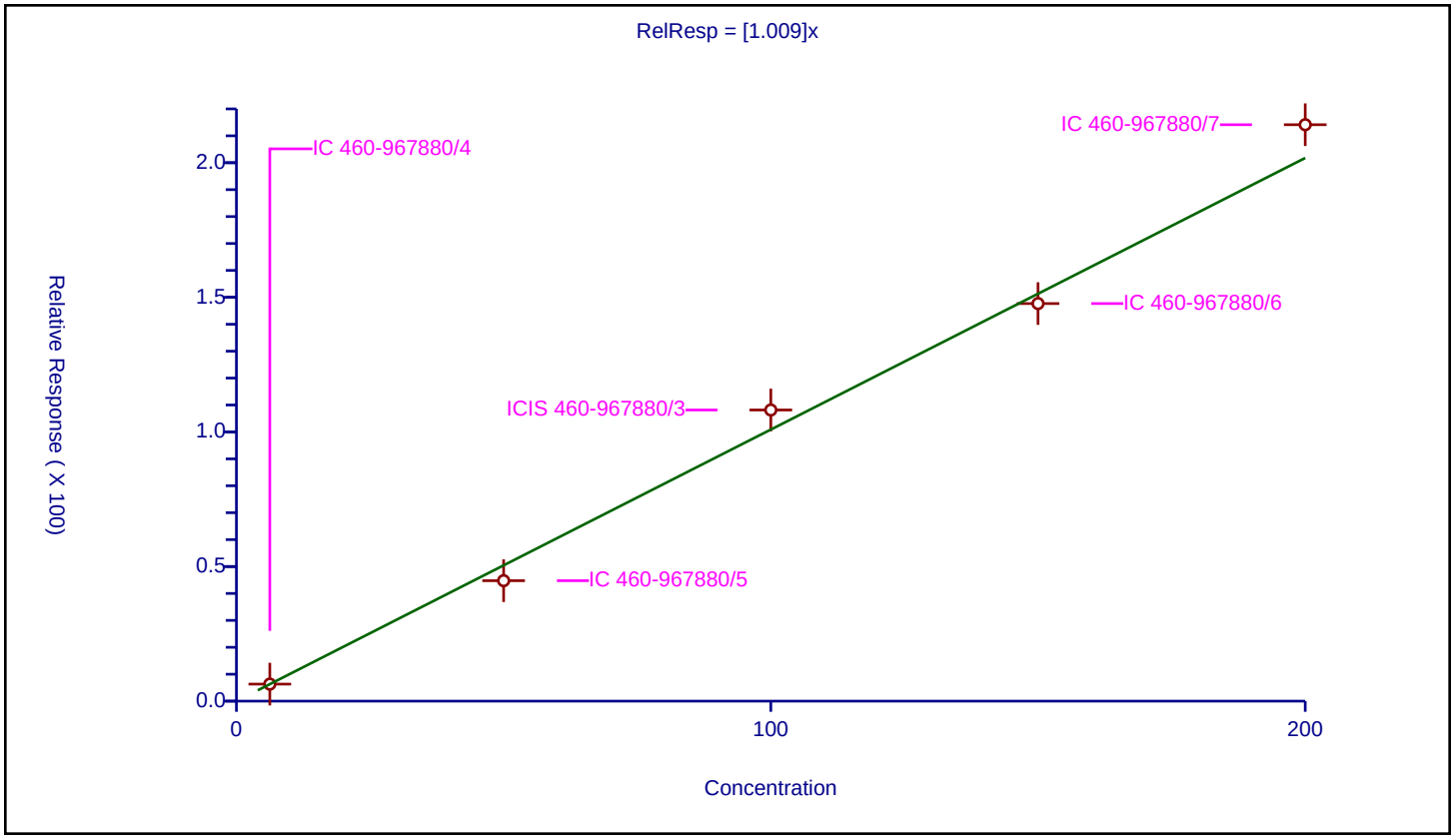
Curve Coefficients

Intercept:	0
Slope:	1.009

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	6.25	6.329419	100.0	421171145.0	1.012707	Y
2	IC 460-967880/5	50.0	44.741645	100.0	490258975.0	0.894833	Y
3	ICIS 460-967880/3	100.0	108.148081	100.0	405848735.0	1.081481	Y
4	IC 460-967880/6	150.0	147.686698	100.0	508313239.0	0.984578	Y
5	IC 460-967880/7	200.0	214.123003	100.0	421145383.0	1.070615	Y



Calibration / alpha-BHC

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

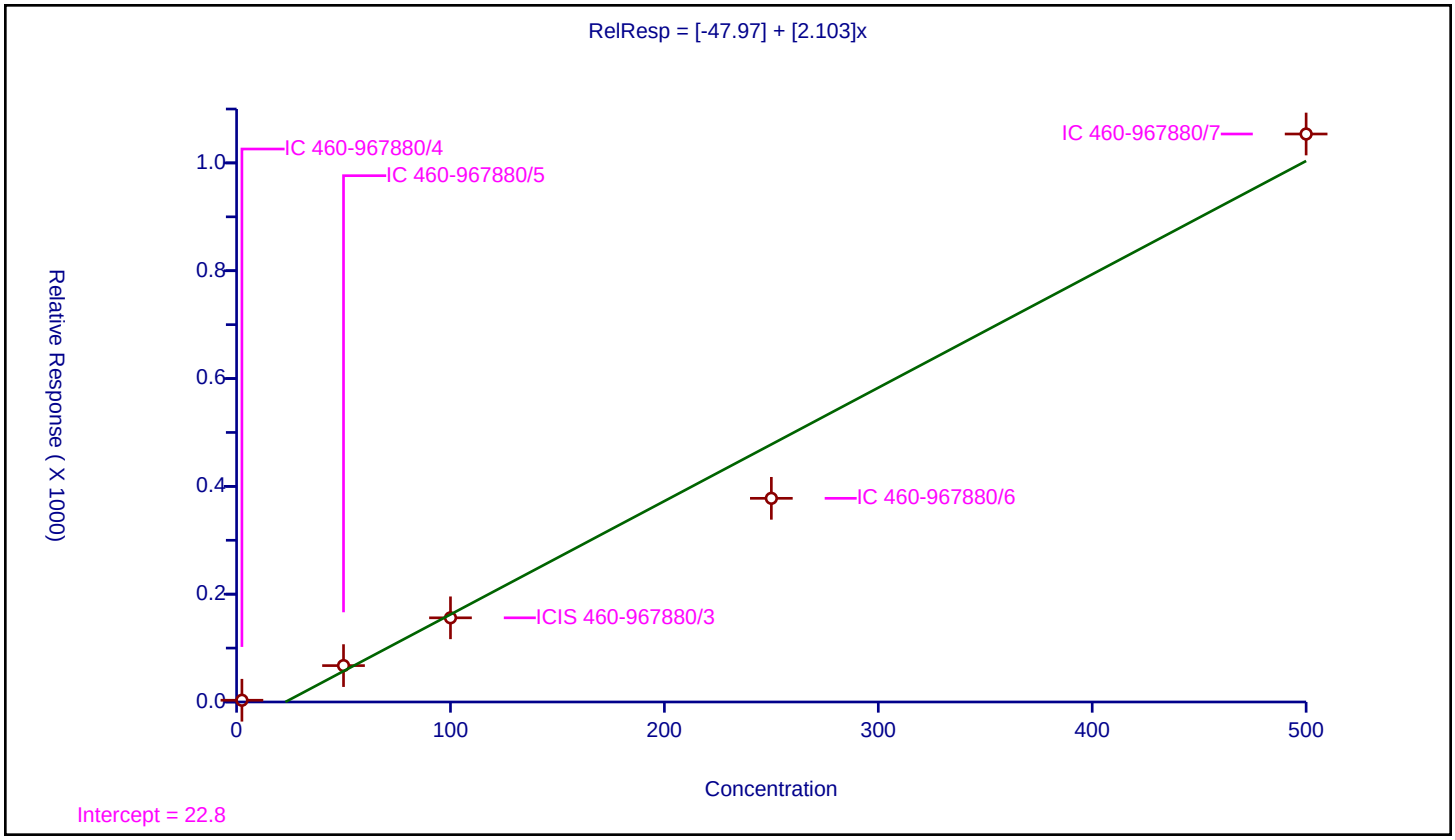
Curve Coefficients

Intercept:	-47.97
Slope:	2.103

Error Coefficients

Relative Standard Deviation:	504.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.22195	100.0	421171145.0	1.28878	Y
2	IC 460-967880/5	50.0	67.505742	100.0	490258975.0	1.350115	Y
3	ICIS 460-967880/3	100.0	156.135218	100.0	405848735.0	1.561352	Y
4	IC 460-967880/6	250.0	377.79809	100.0	508313239.0	1.511192	Y
5	IC 460-967880/7	500.0	1053.656344	100.0	421145383.0	2.107313	Y



Calibration / gamma-BHC (Lindane)

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

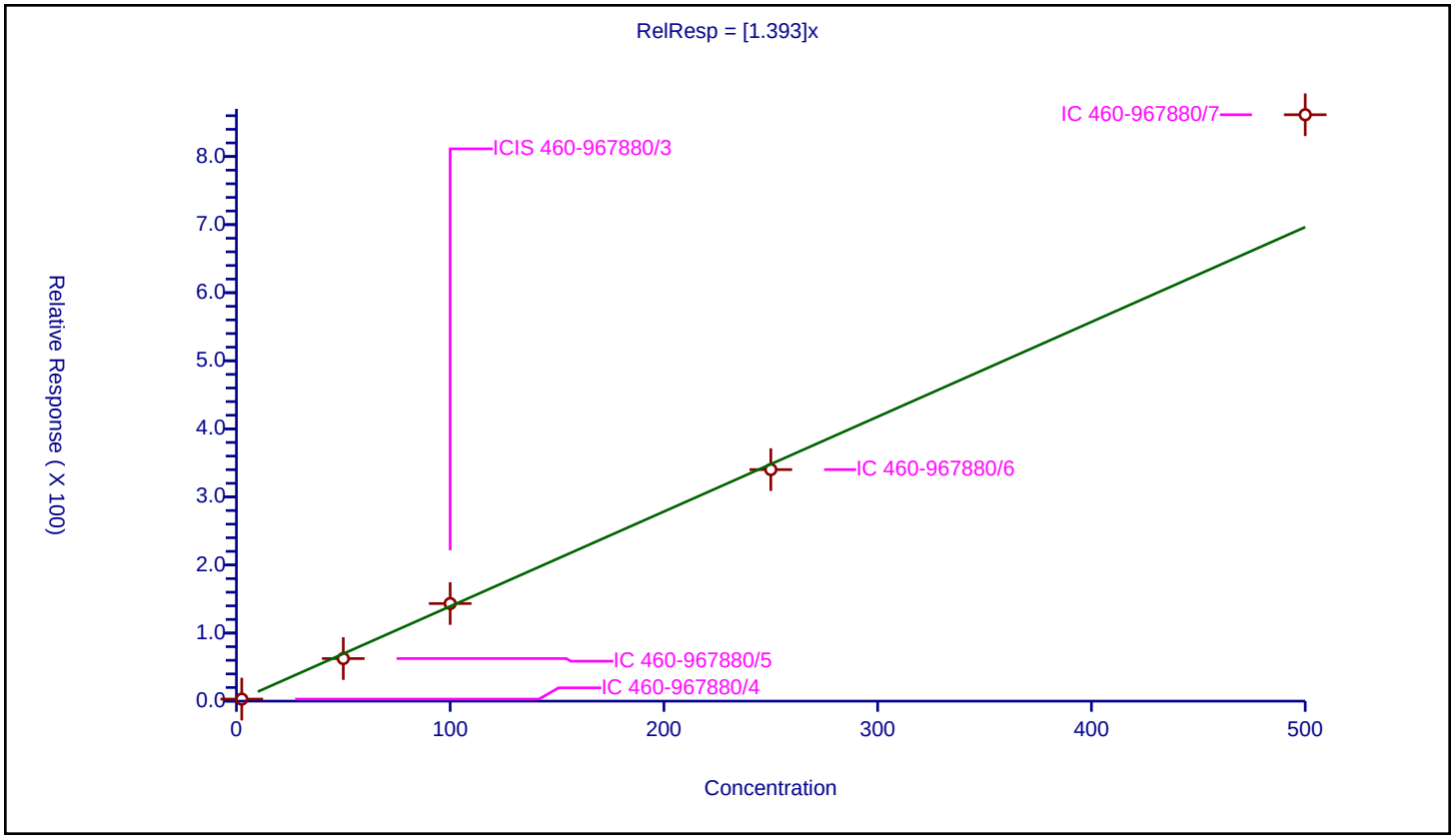
Curve Coefficients

Intercept:	0
Slope:	1.393

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.987273	100.0	421171145.0	1.194909	Y
2	IC 460-967880/5	50.0	62.557873	100.0	490258975.0	1.251157	Y
3	ICIS 460-967880/3	100.0	143.378056	100.0	405848735.0	1.433781	Y
4	IC 460-967880/6	250.0	340.11923	100.0	508313239.0	1.360477	Y
5	IC 460-967880/7	500.0	861.380011	100.0	421145383.0	1.72276	Y



Calibration / beta-BHC

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

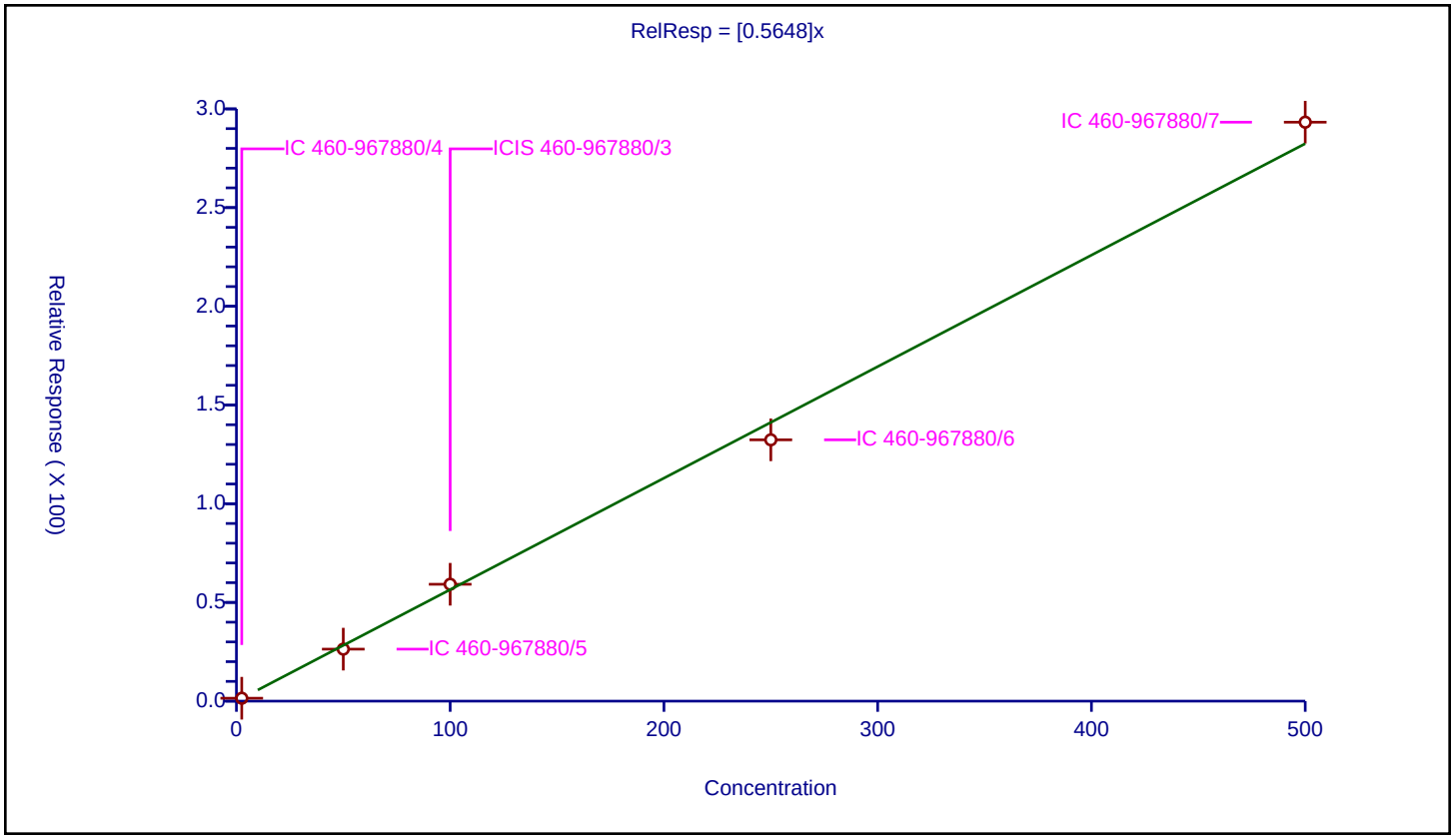
Curve Coefficients

Intercept:	0
Slope:	0.5648

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	1.472871	100.0	421171145.0	0.589148	Y
2	IC 460-967880/5	50.0	26.34127	100.0	490258975.0	0.526825	Y
3	ICIS 460-967880/3	100.0	59.201636	100.0	405848735.0	0.592016	Y
4	IC 460-967880/6	250.0	132.370015	100.0	508313239.0	0.52948	Y
5	IC 460-967880/7	500.0	293.262046	100.0	421145383.0	0.586524	Y



Calibration / delta-BHC

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

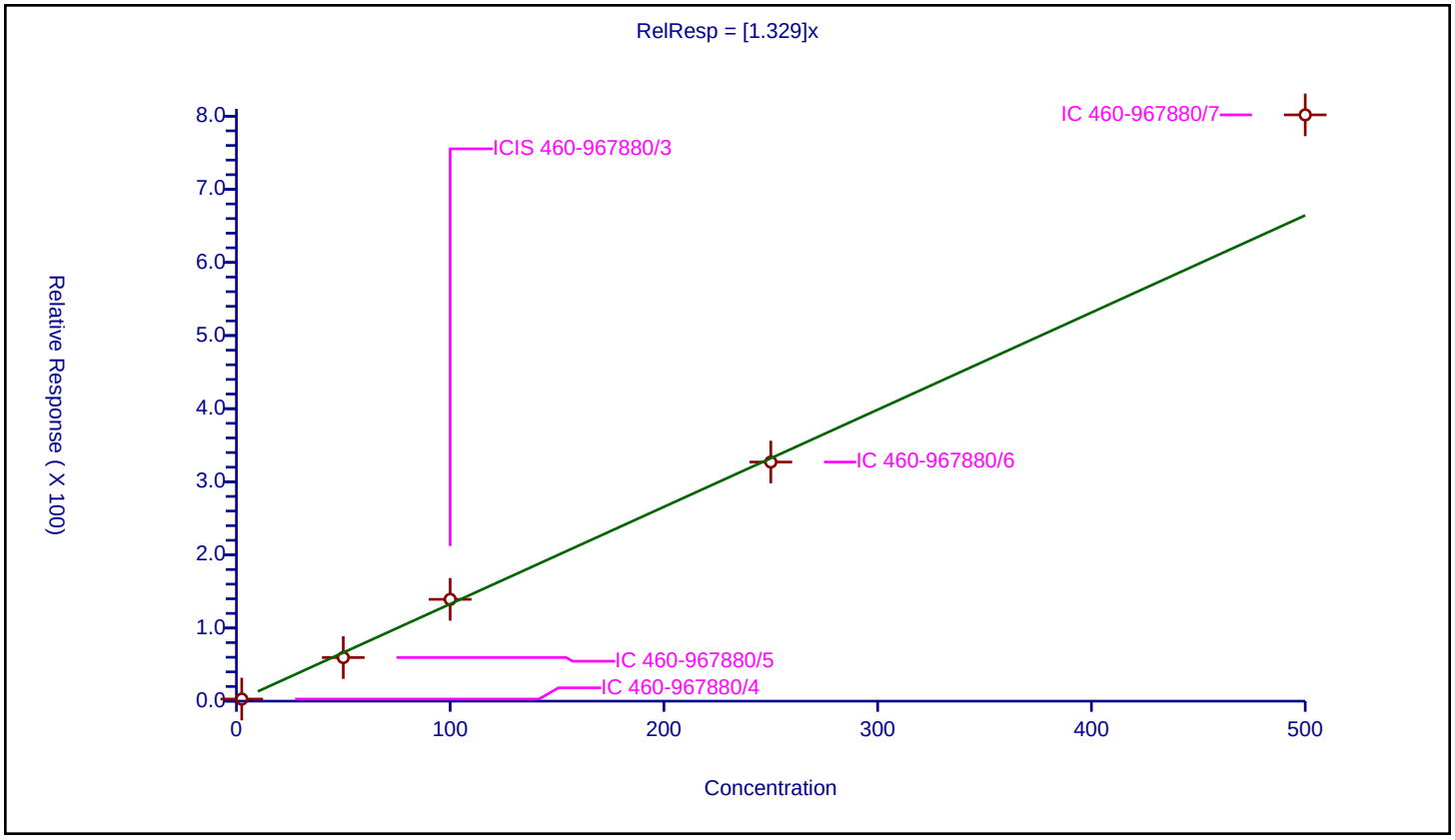
Curve Coefficients

Intercept:	0
Slope:	1.329

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.867795	100.0	421171145.0	1.147118	Y
2	IC 460-967880/5	50.0	59.625858	100.0	490258975.0	1.192517	Y
3	ICIS 460-967880/3	100.0	139.226285	100.0	405848735.0	1.392263	Y
4	IC 460-967880/6	250.0	327.010069	100.0	508313239.0	1.30804	Y
5	IC 460-967880/7	500.0	801.790245	100.0	421145383.0	1.60358	Y



Calibration / Heptachlor

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

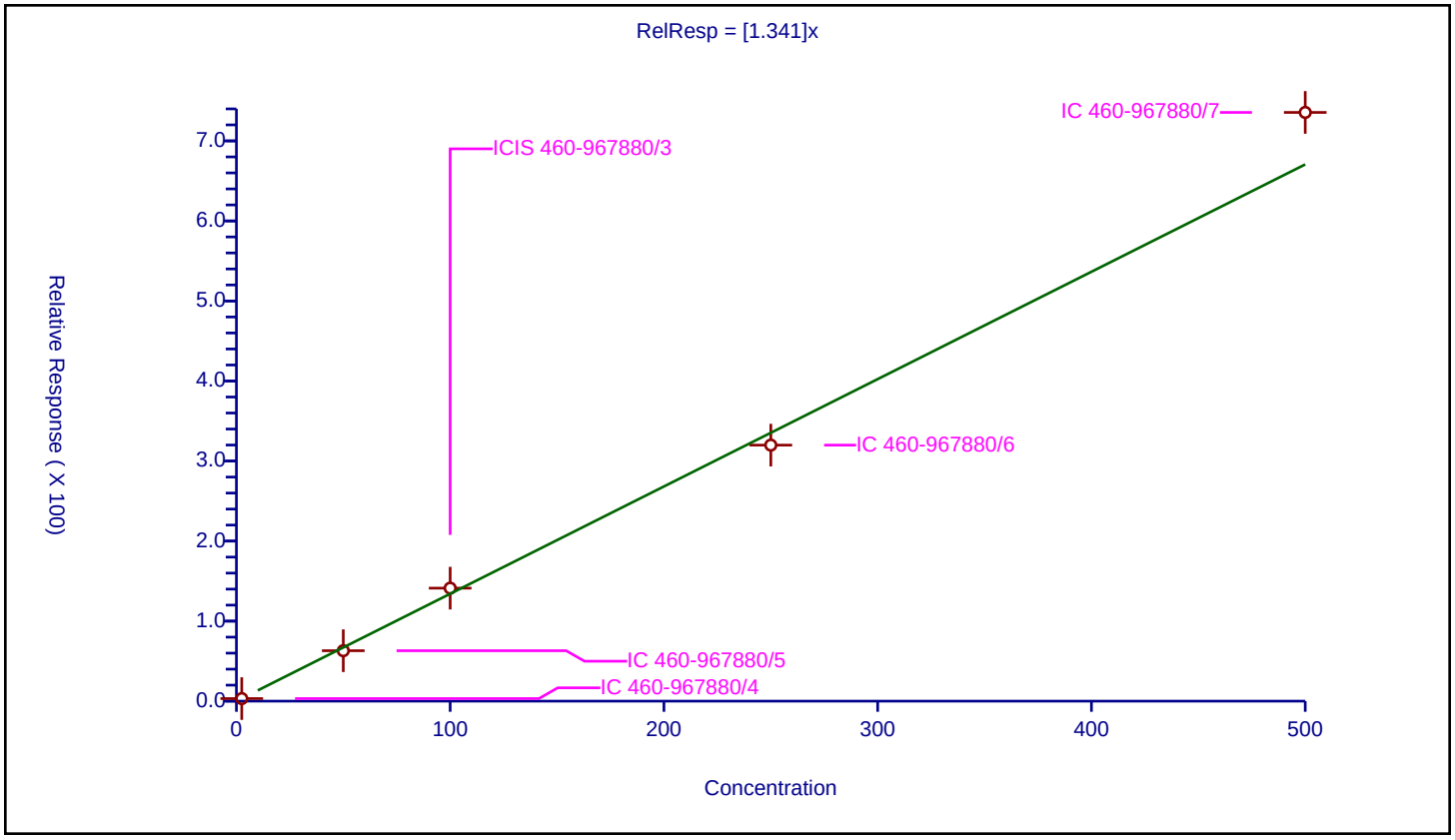
Curve Coefficients

Intercept:	0
Slope:	1.341

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.207519	100.0	421171145.0	1.283008	Y
2	IC 460-967880/5	50.0	63.027995	100.0	490258975.0	1.26056	Y
3	ICIS 460-967880/3	100.0	141.188291	100.0	405848735.0	1.411883	Y
4	IC 460-967880/6	250.0	319.89246	100.0	508313239.0	1.27957	Y
5	IC 460-967880/7	500.0	735.560965	100.0	421145383.0	1.471122	Y



Calibration / Aldrin

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

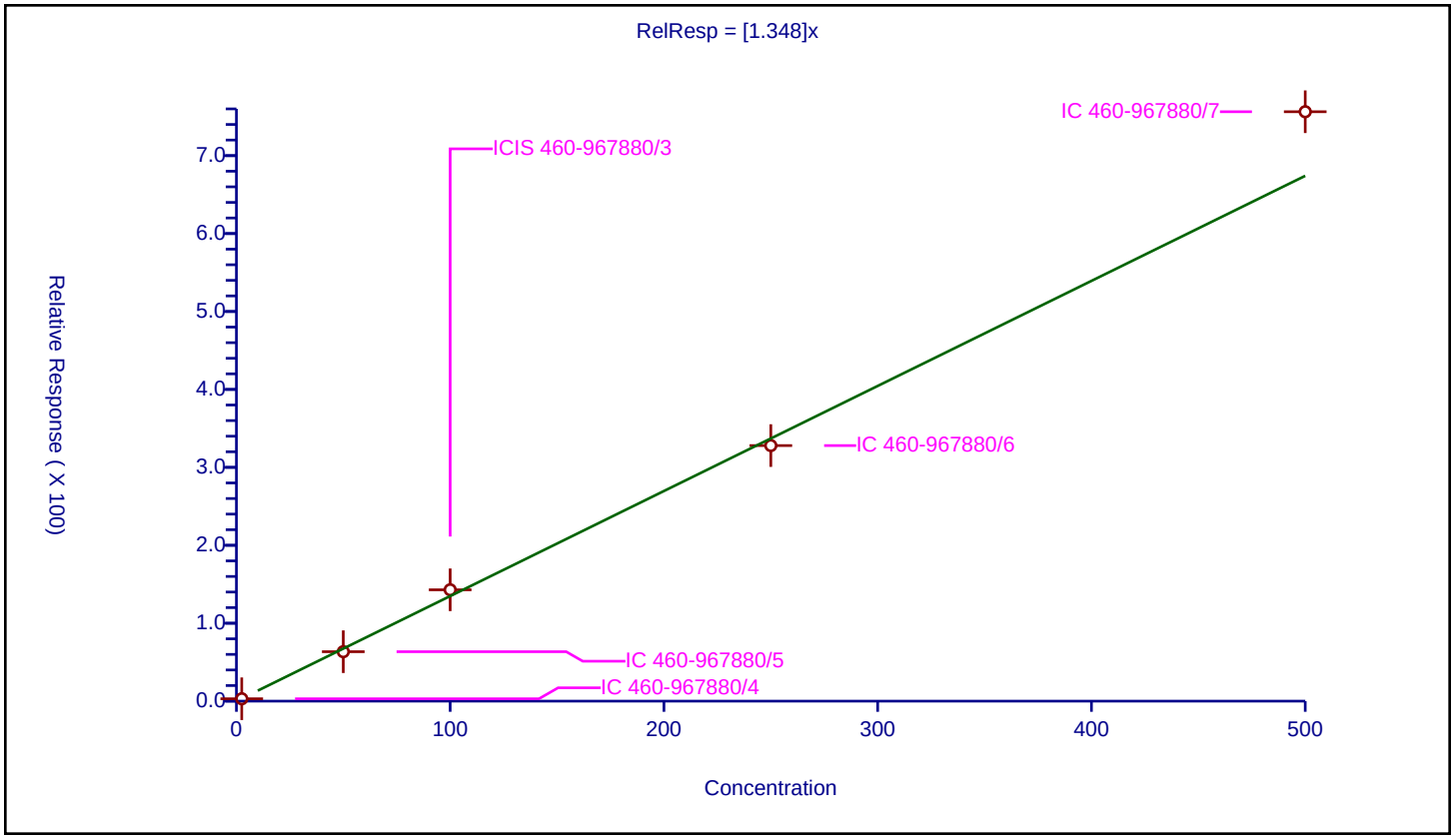
Curve Coefficients

Intercept:	0
Slope:	1.348

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.045591	100.0	421171145.0	1.218236	Y
2	IC 460-967880/5	50.0	63.459809	100.0	490258975.0	1.269196	Y
3	ICIS 460-967880/3	100.0	142.890918	100.0	405848735.0	1.428909	Y
4	IC 460-967880/6	250.0	327.952143	100.0	508313239.0	1.311809	Y
5	IC 460-967880/7	500.0	756.338332	100.0	421145383.0	1.512677	Y



Calibration / Heptachlor epoxide

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

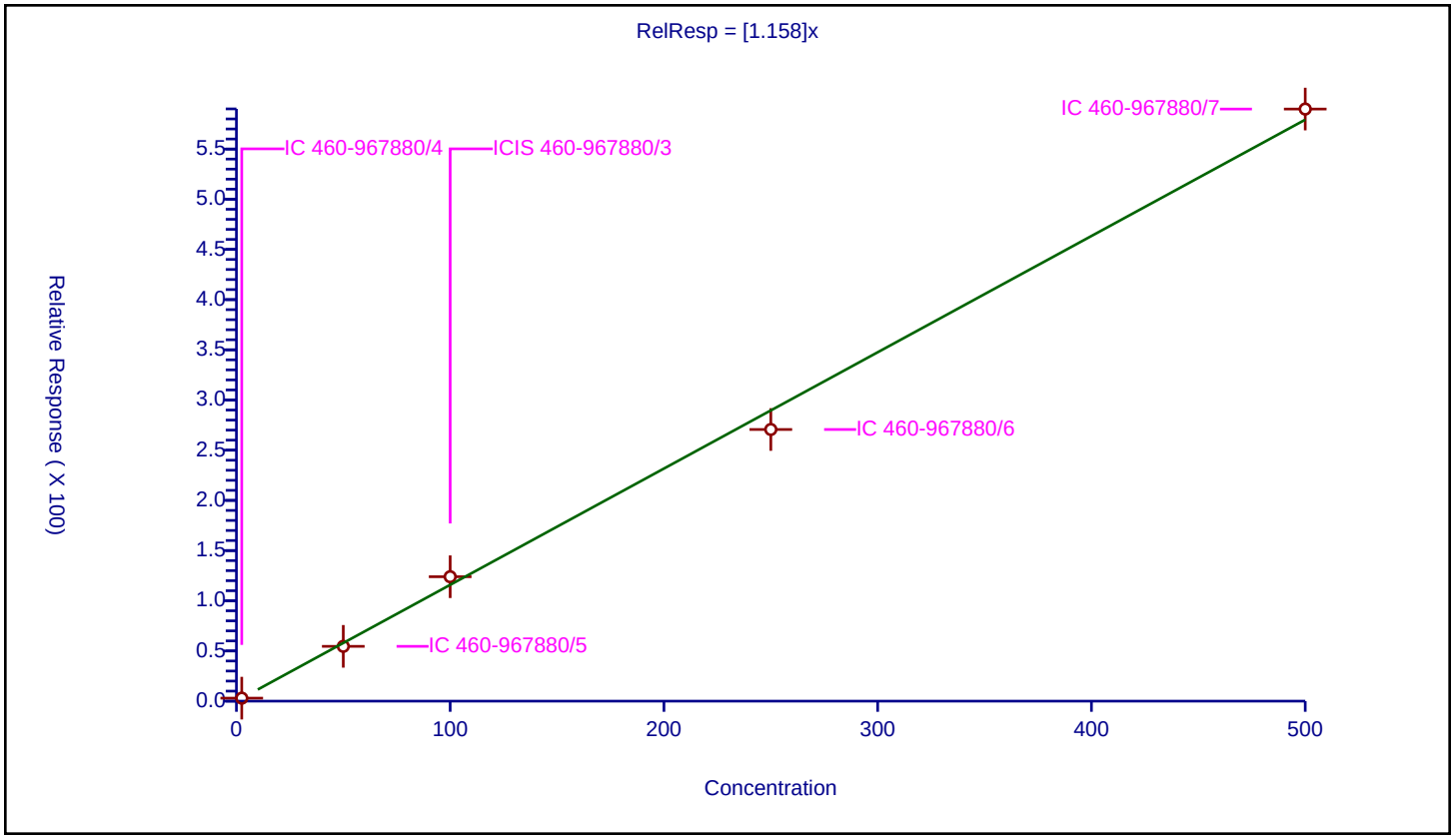
Curve Coefficients

Intercept:	0
Slope:	1.158

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.996589	100.0	421171145.0	1.198636	Y
2	IC 460-967880/5	50.0	54.596727	100.0	490258975.0	1.091935	Y
3	ICIS 460-967880/3	100.0	123.94303	100.0	405848735.0	1.23943	Y
4	IC 460-967880/6	250.0	270.625342	100.0	508313239.0	1.082501	Y
5	IC 460-967880/7	500.0	589.844711	100.0	421145383.0	1.179689	Y



Calibration / trans-Chlordane

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

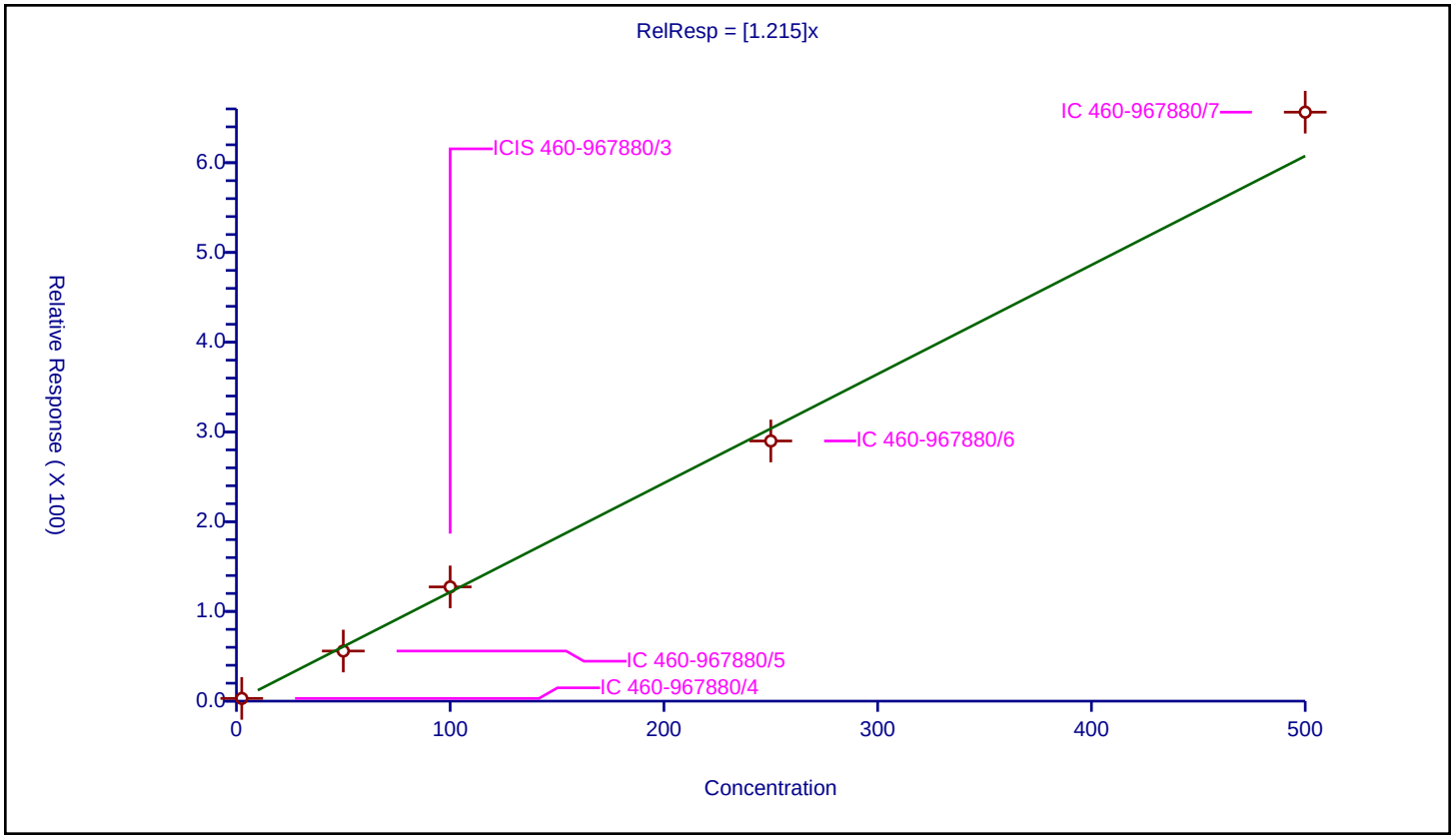
Curve Coefficients

Intercept:	0
Slope:	1.215

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.031474	100.0	421171145.0	1.212589	Y
2	IC 460-967880/5	50.0	55.843052	100.0	490258975.0	1.116861	Y
3	ICIS 460-967880/3	100.0	127.318938	100.0	405848735.0	1.273189	Y
4	IC 460-967880/6	250.0	289.943197	100.0	508313239.0	1.159773	Y
5	IC 460-967880/7	500.0	656.343097	100.0	421145383.0	1.312686	Y



Calibration / cis-Chlordane

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

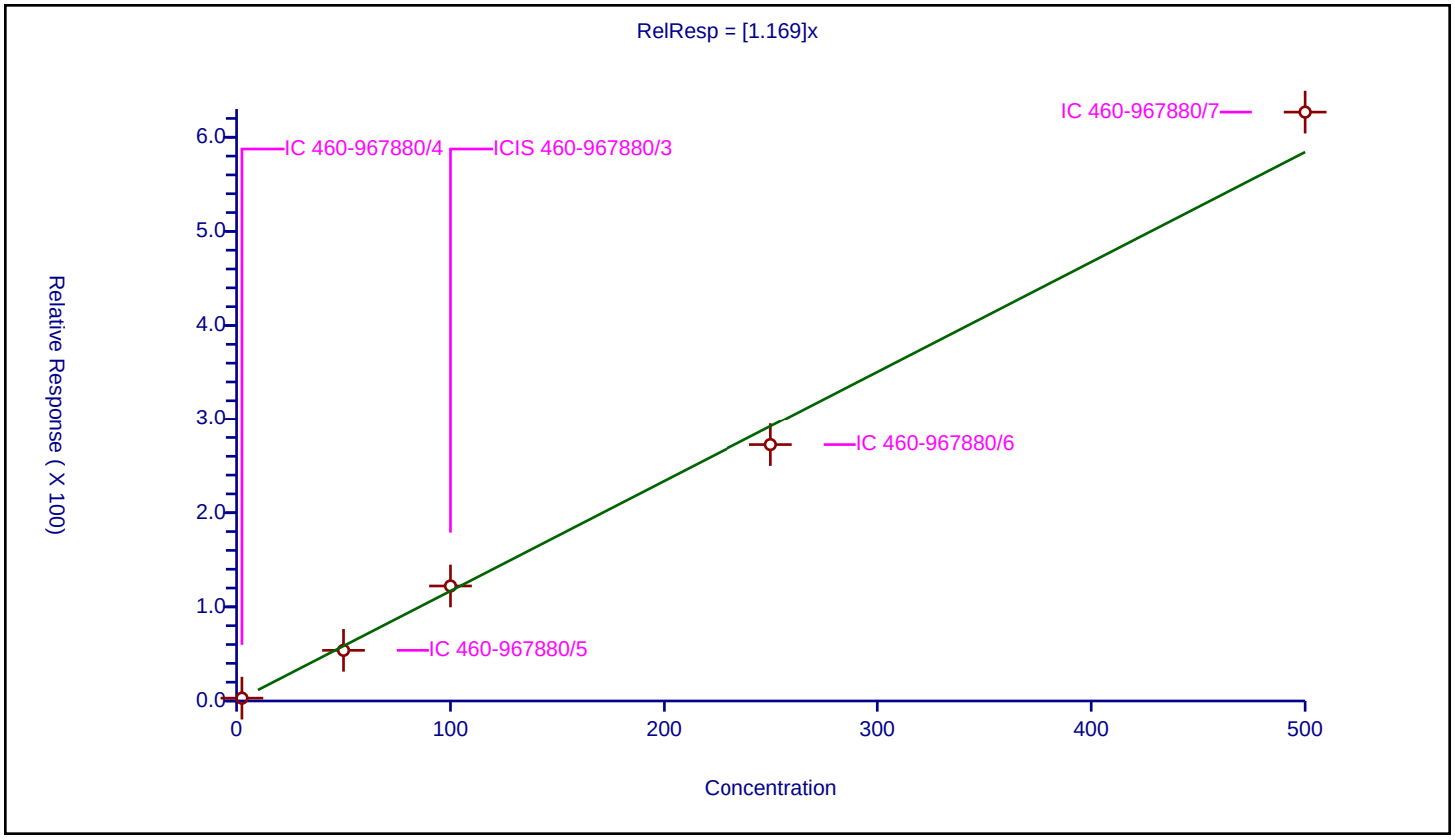
Curve Coefficients

Intercept:	0
Slope:	1.169

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	3.004437	100.0	421171145.0	1.201775	Y
2	IC 460-967880/5	50.0	53.80462	100.0	490258975.0	1.076092	Y
3	ICIS 460-967880/3	100.0	122.172531	100.0	405848735.0	1.221725	Y
4	IC 460-967880/6	250.0	272.436727	100.0	508313239.0	1.089747	Y
5	IC 460-967880/7	500.0	626.708889	100.0	421145383.0	1.253418	Y



Calibration / 4,4'-DDE

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

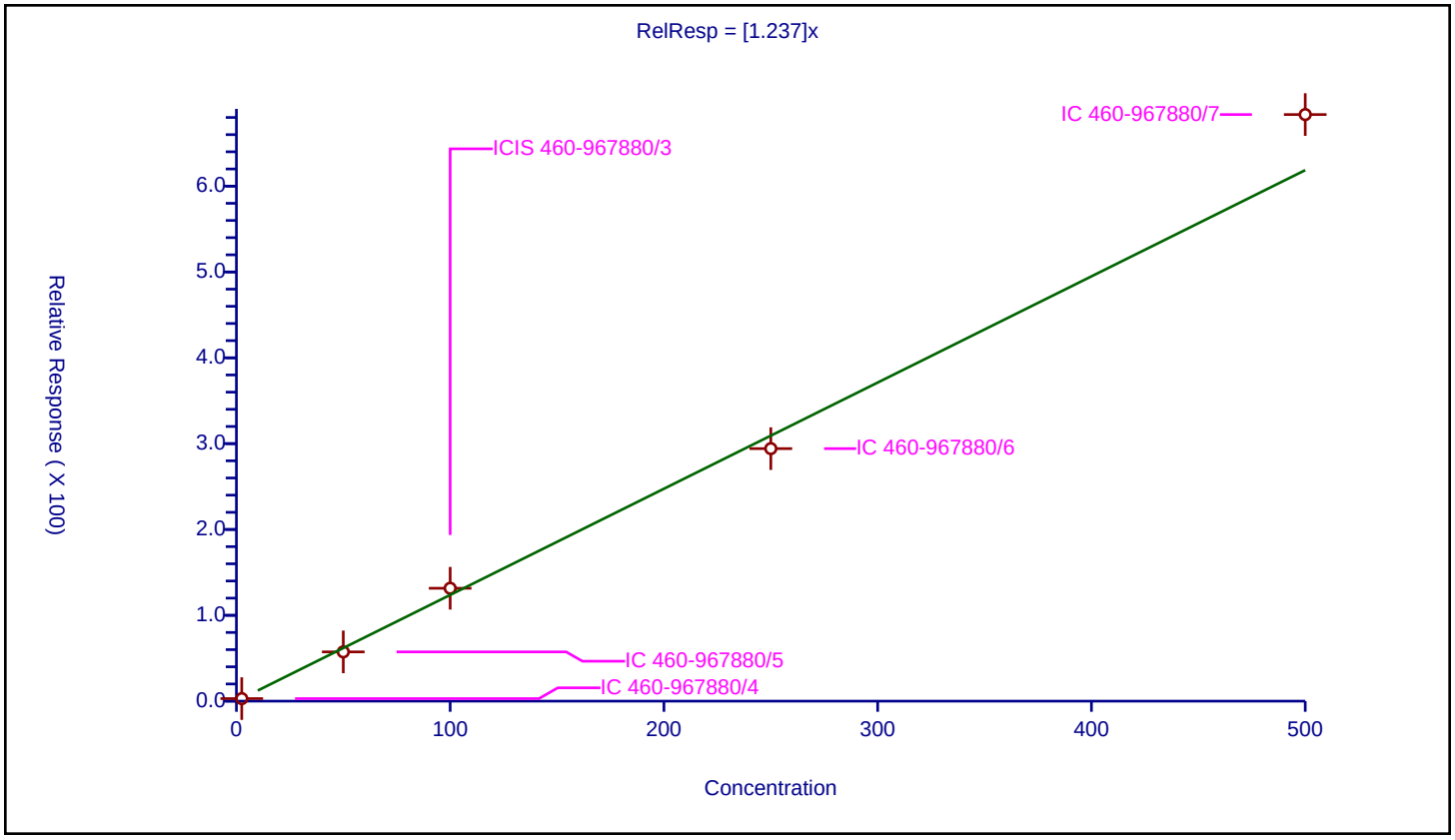
Curve Coefficients

Intercept:	0
Slope:	1.237

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.948411	100.0	421171145.0	1.179365	Y
2	IC 460-967880/5	50.0	57.398544	100.0	490258975.0	1.147971	Y
3	ICIS 460-967880/3	100.0	131.513678	100.0	405848735.0	1.315137	Y
4	IC 460-967880/6	250.0	294.211652	100.0	508313239.0	1.176847	Y
5	IC 460-967880/7	500.0	683.382655	100.0	421145383.0	1.366765	Y



Calibration / Endosulfan I

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

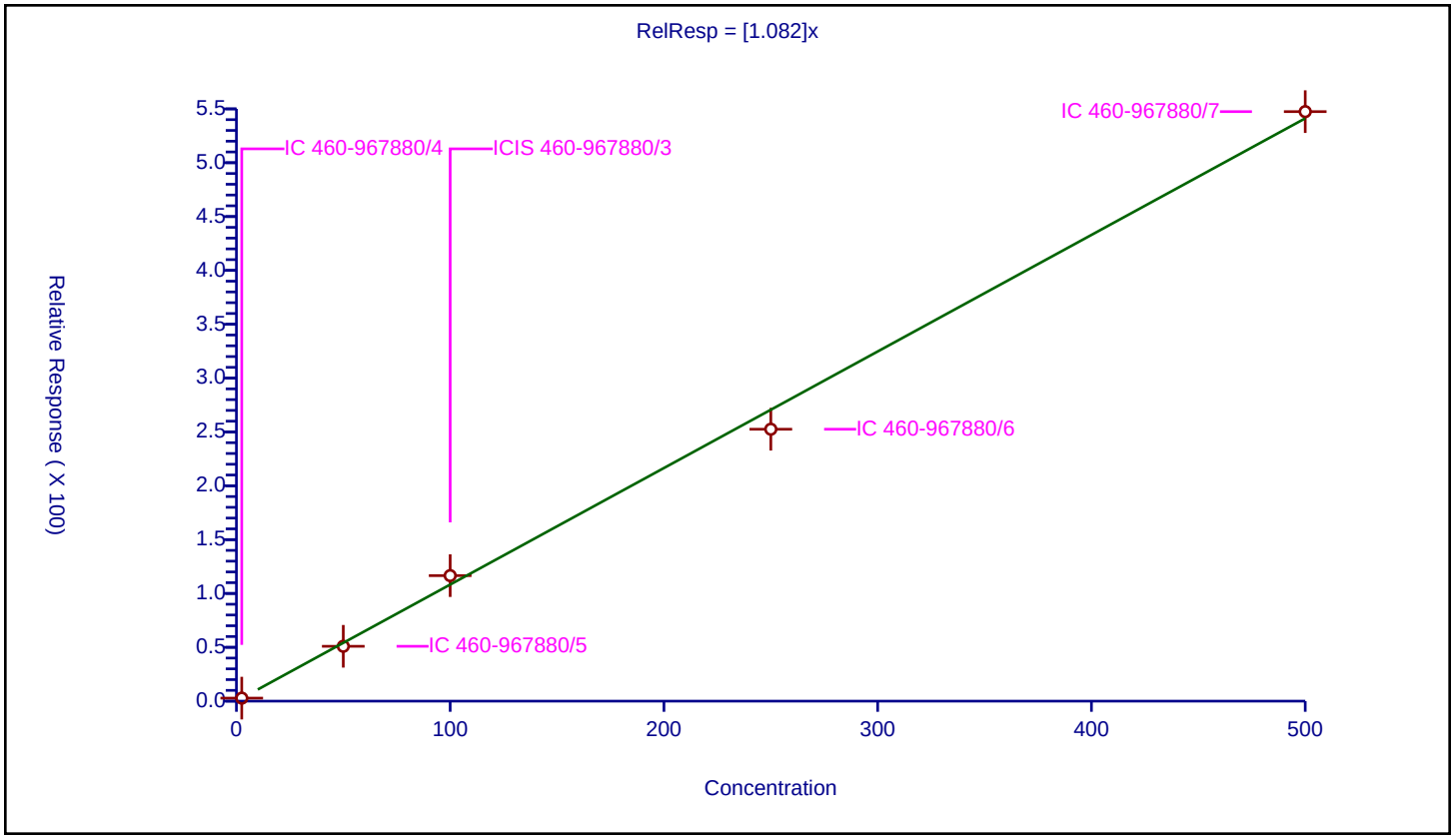
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.805874	100.0	421171145.0	1.12235	Y
2	IC 460-967880/5	50.0	50.944958	100.0	490258975.0	1.018899	Y
3	ICIS 460-967880/3	100.0	116.570894	100.0	405848735.0	1.165709	Y
4	IC 460-967880/6	250.0	252.52638	100.0	508313239.0	1.010106	Y
5	IC 460-967880/7	500.0	547.448297	100.0	421145383.0	1.094897	Y



Calibration / Dieldrin

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

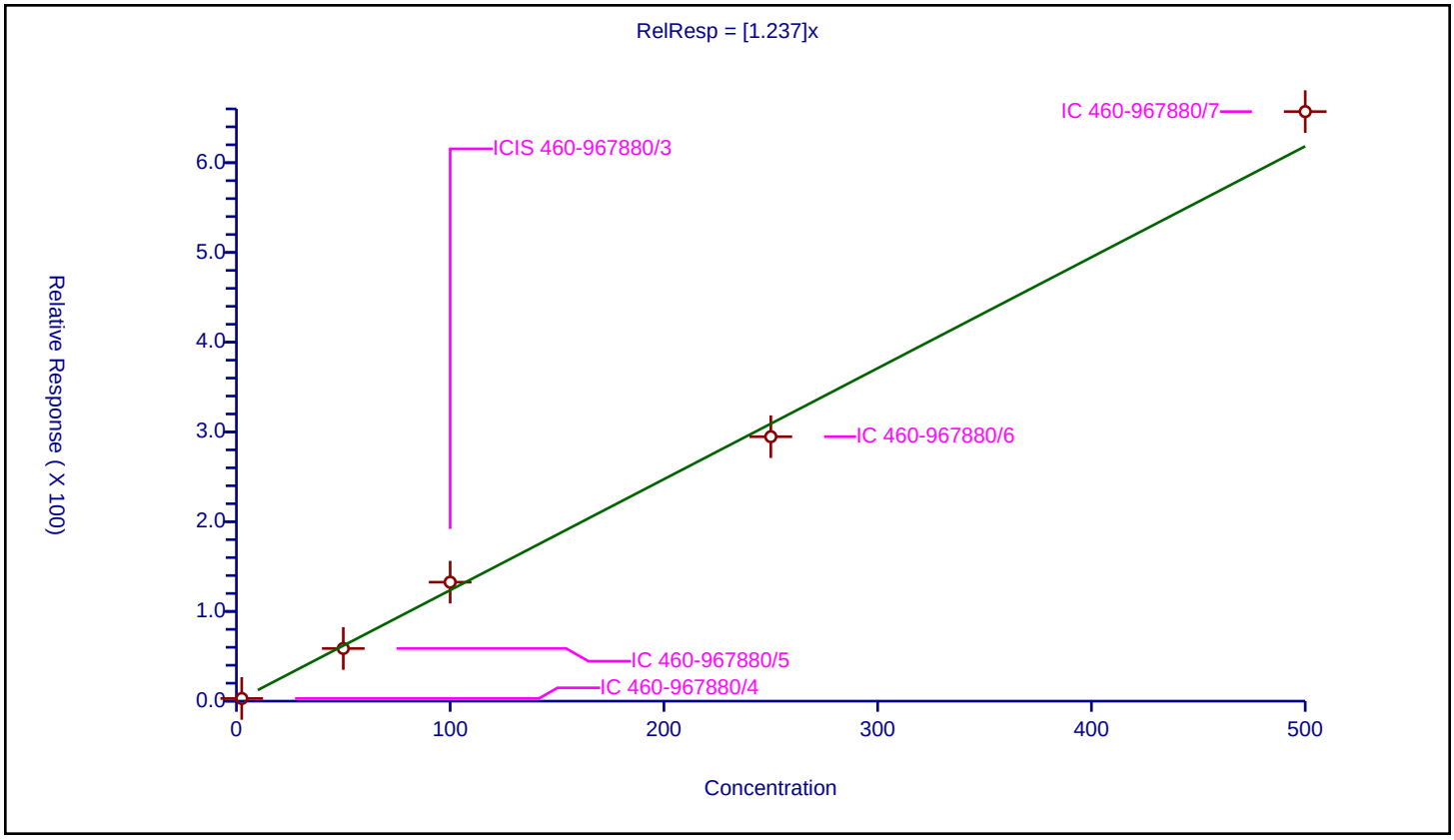
Curve Coefficients

Intercept:	0
Slope:	1.237

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.977682	100.0	421171145.0	1.191073	Y
2	IC 460-967880/5	50.0	58.691018	100.0	490258975.0	1.17382	Y
3	ICIS 460-967880/3	100.0	132.579372	100.0	405848735.0	1.325794	Y
4	IC 460-967880/6	250.0	294.712838	100.0	508313239.0	1.178851	Y
5	IC 460-967880/7	500.0	656.971366	100.0	421145383.0	1.313943	Y



Calibration / Endrin

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

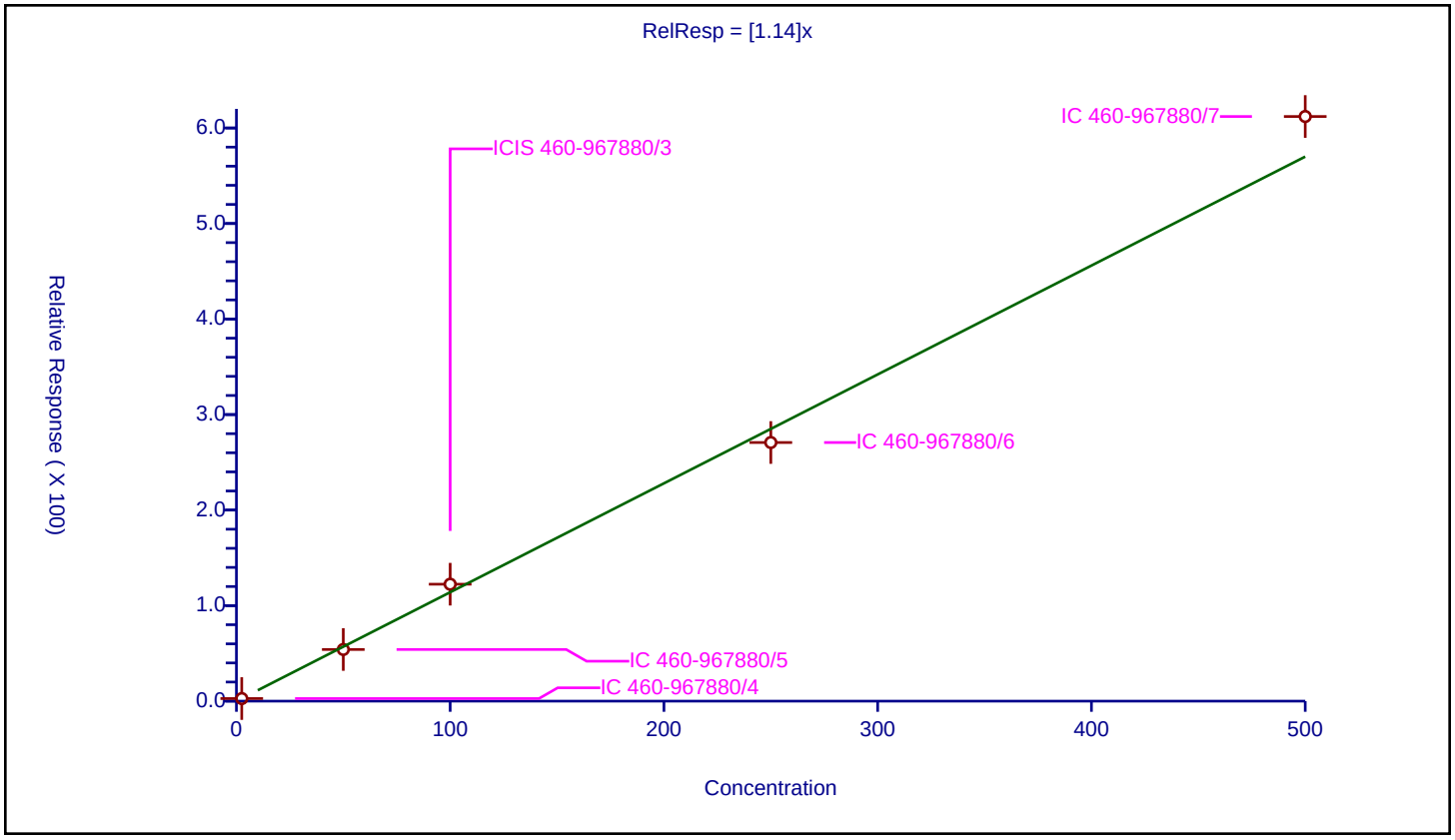
Curve Coefficients

Intercept:	0
Slope:	1.14

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.71804	100.0	421171145.0	1.087216	Y
2	IC 460-967880/5	50.0	54.072972	100.0	490258975.0	1.081459	Y
3	ICIS 460-967880/3	100.0	122.429636	100.0	405848735.0	1.224296	Y
4	IC 460-967880/6	250.0	270.748953	100.0	508313239.0	1.082996	Y
5	IC 460-967880/7	500.0	612.032013	100.0	421145383.0	1.224064	Y



Calibration / 4,4'-DDD

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

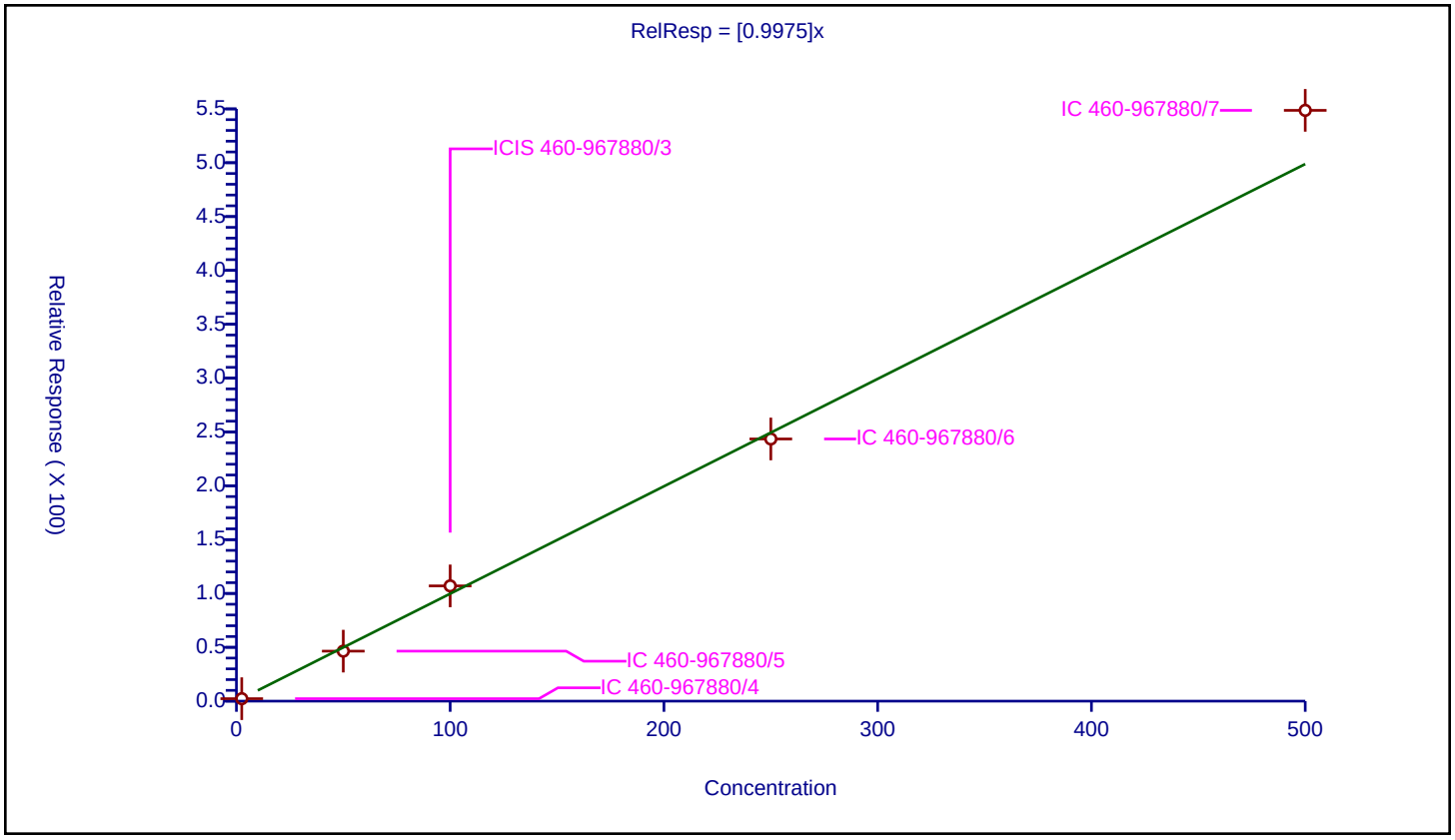
Curve Coefficients

Intercept:	0
Slope:	0.9975

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.292845	100.0	421171145.0	0.917138	Y
2	IC 460-967880/5	50.0	46.449334	100.0	490258975.0	0.928987	Y
3	ICIS 460-967880/3	100.0	107.036847	100.0	405848735.0	1.070368	Y
4	IC 460-967880/6	250.0	243.477873	100.0	508313239.0	0.973911	Y
5	IC 460-967880/7	500.0	548.638958	100.0	421145383.0	1.097278	Y



Calibration / Endosulfan II

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

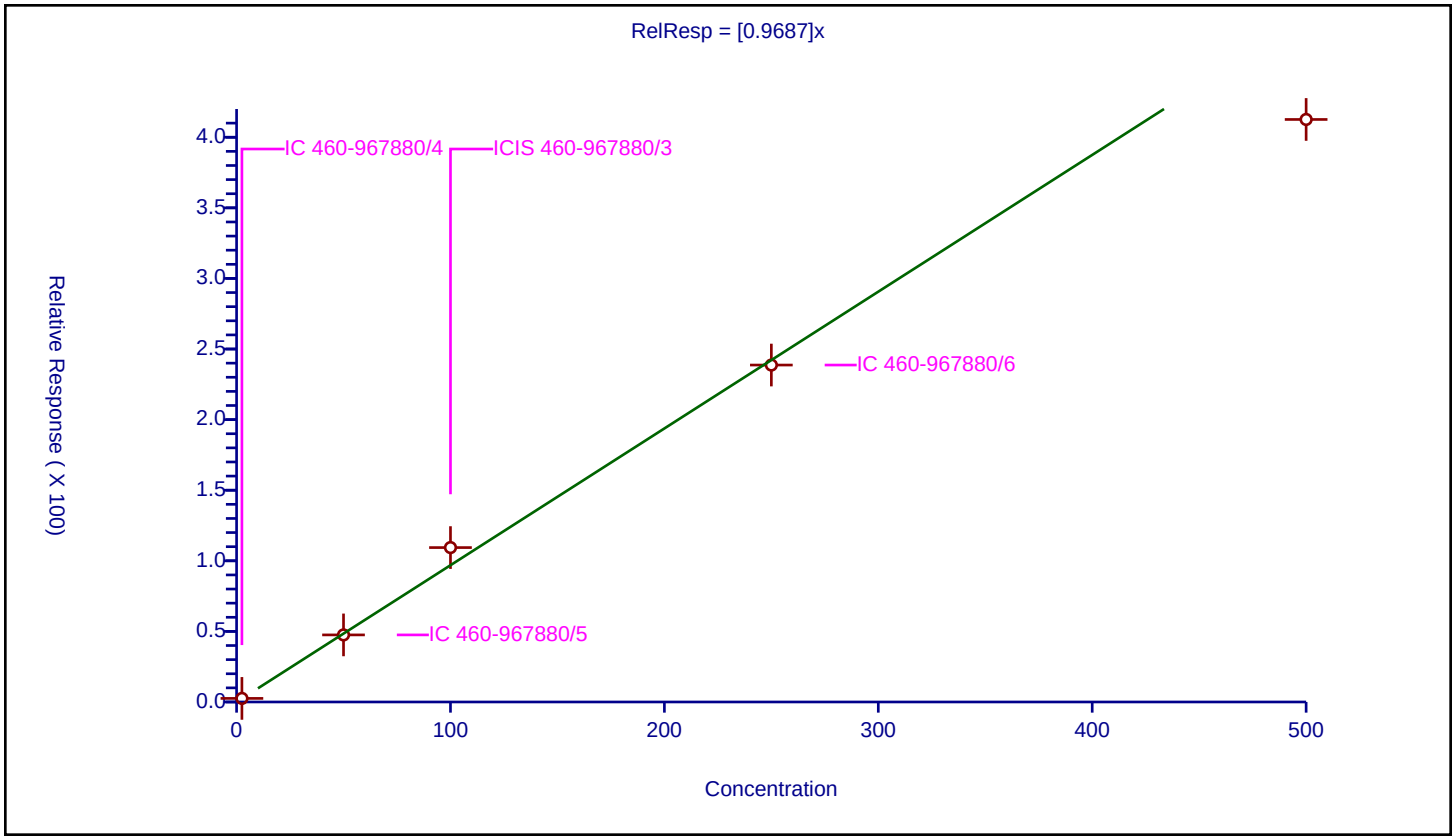
Curve Coefficients

Intercept:	0
Slope:	0.9687

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.549238	100.0	421171145.0	1.019695	Y
2	IC 460-967880/5	50.0	47.520135	100.0	490258975.0	0.950403	Y
3	ICIS 460-967880/3	100.0	109.361039	100.0	405848735.0	1.09361	Y
4	IC 460-967880/6	250.0	238.658051	100.0	508313239.0	0.954632	Y
5	IC 460-967880/7	500.0	412.604996	100.0	421145383.0	0.82521	Y



Calibration / 4,4'-DDT

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

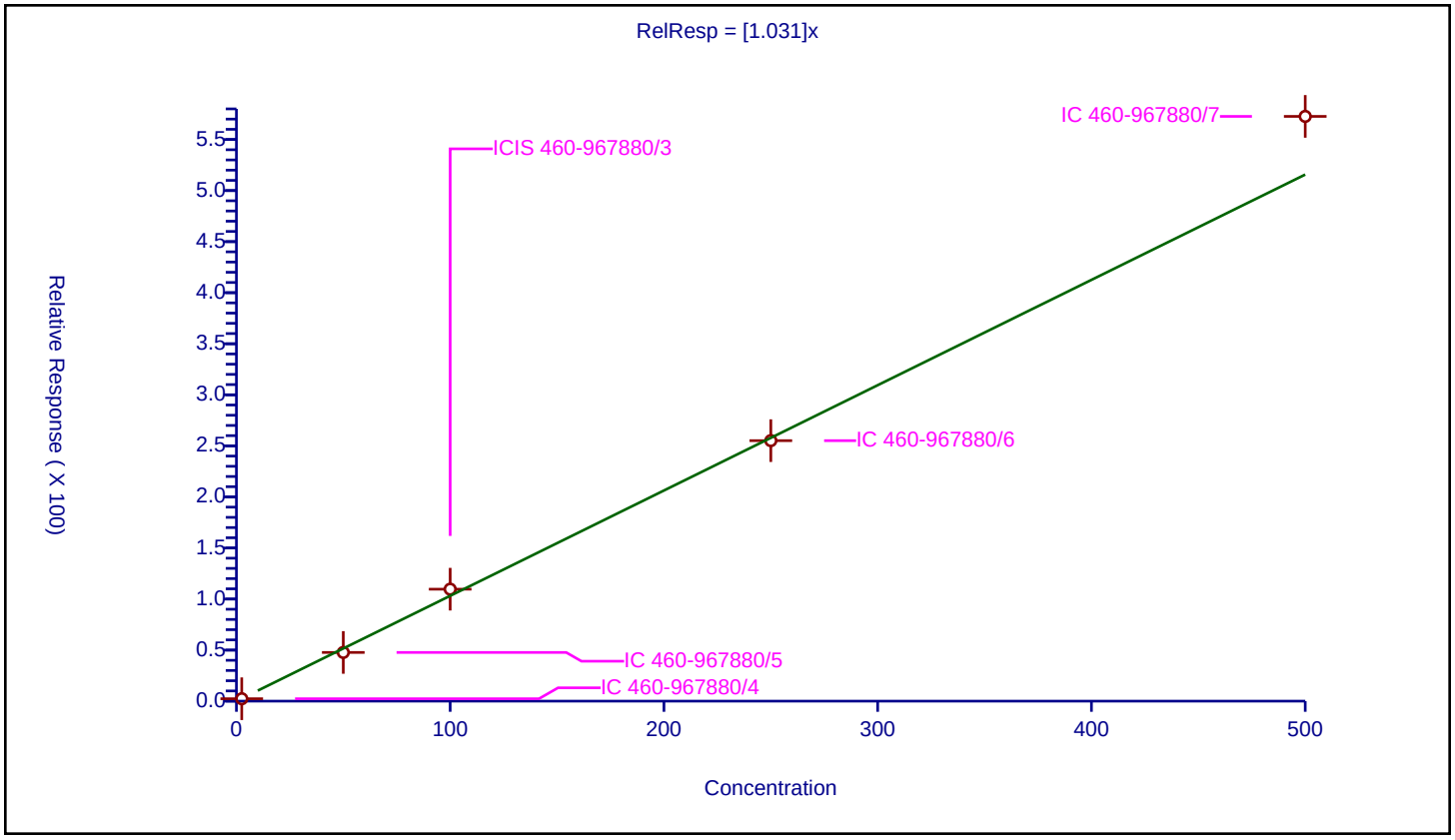
Curve Coefficients

Intercept:	0
Slope:	1.031

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.351319	100.0	421171145.0	0.940528	Y
2	IC 460-967880/5	50.0	47.69773	100.0	490258975.0	0.953955	Y
3	ICIS 460-967880/3	100.0	109.65247	100.0	405848735.0	1.096525	Y
4	IC 460-967880/6	250.0	255.11442	100.0	508313239.0	1.020458	Y
5	IC 460-967880/7	500.0	572.642279	100.0	421145383.0	1.145285	Y



Calibration / Endrin aldehyde

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

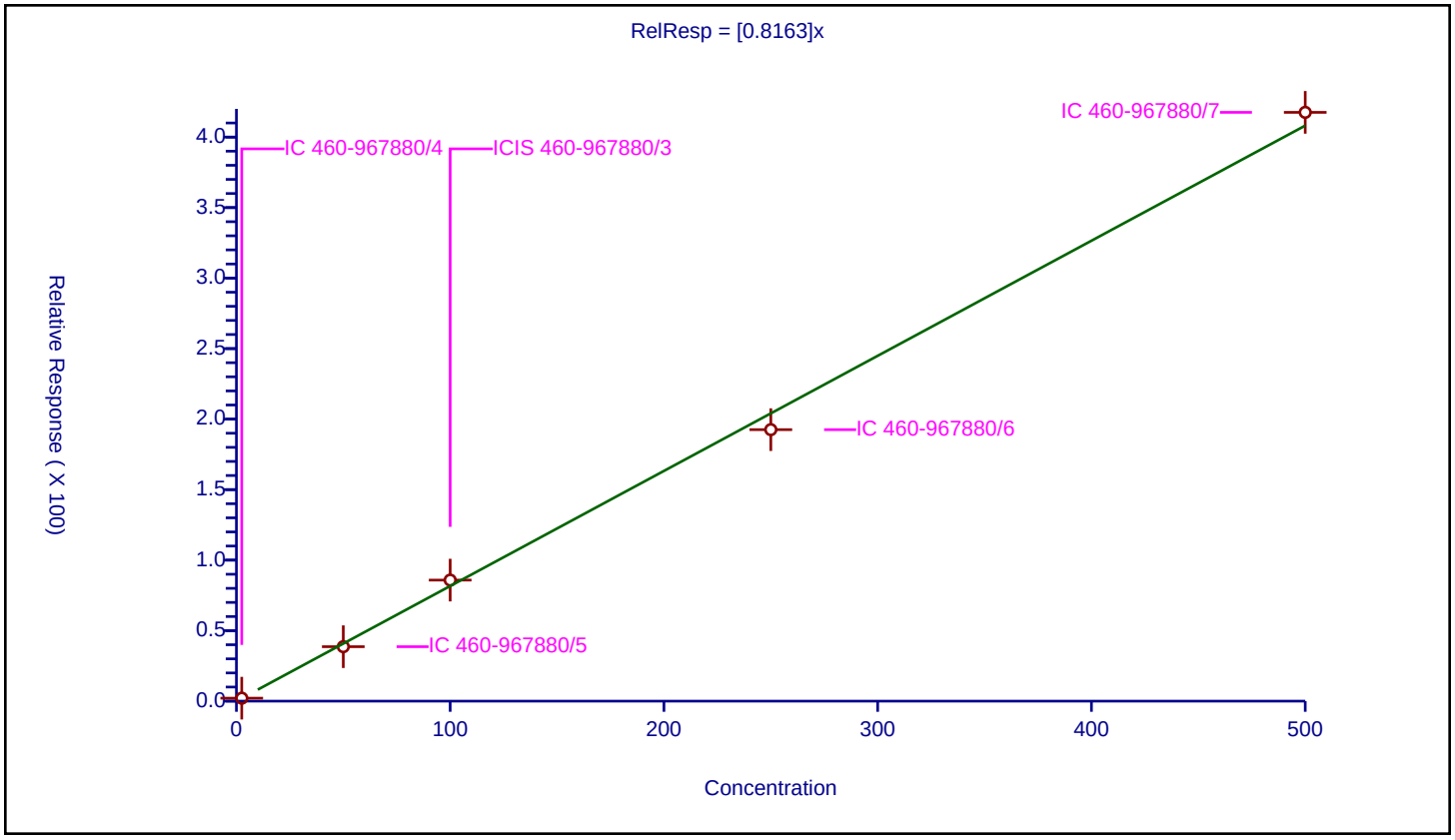
Curve Coefficients

Intercept:	0
Slope:	0.8163

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.113692	100.0	421171145.0	0.845477	Y
2	IC 460-967880/5	50.0	38.619408	100.0	490258975.0	0.772388	Y
3	ICIS 460-967880/3	100.0	85.834535	100.0	405848735.0	0.858345	Y
4	IC 460-967880/6	250.0	192.530601	100.0	508313239.0	0.770122	Y
5	IC 460-967880/7	500.0	417.539733	100.0	421145383.0	0.835079	Y



Calibration / Methoxychlor

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

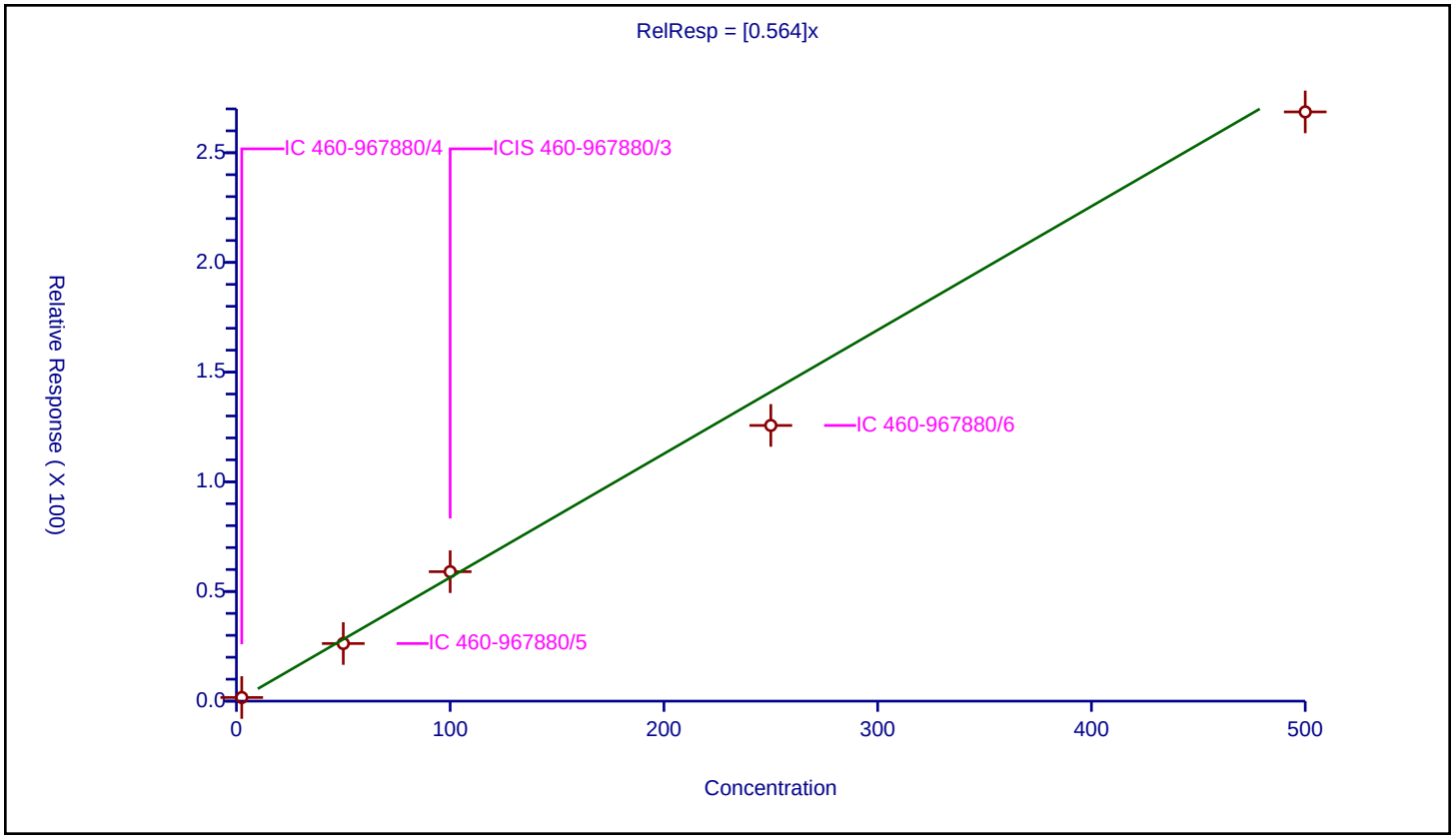
Curve Coefficients

Intercept:	0
Slope:	0.564

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	1.660554	100.0	421171145.0	0.664222	Y
2	IC 460-967880/5	50.0	26.271694	100.0	490258975.0	0.525434	Y
3	ICIS 460-967880/3	100.0	59.020808	100.0	405848735.0	0.590208	Y
4	IC 460-967880/6	250.0	125.691779	100.0	508313239.0	0.502767	Y
5	IC 460-967880/7	500.0	268.623607	100.0	421145383.0	0.537247	Y



Calibration / Mirex

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

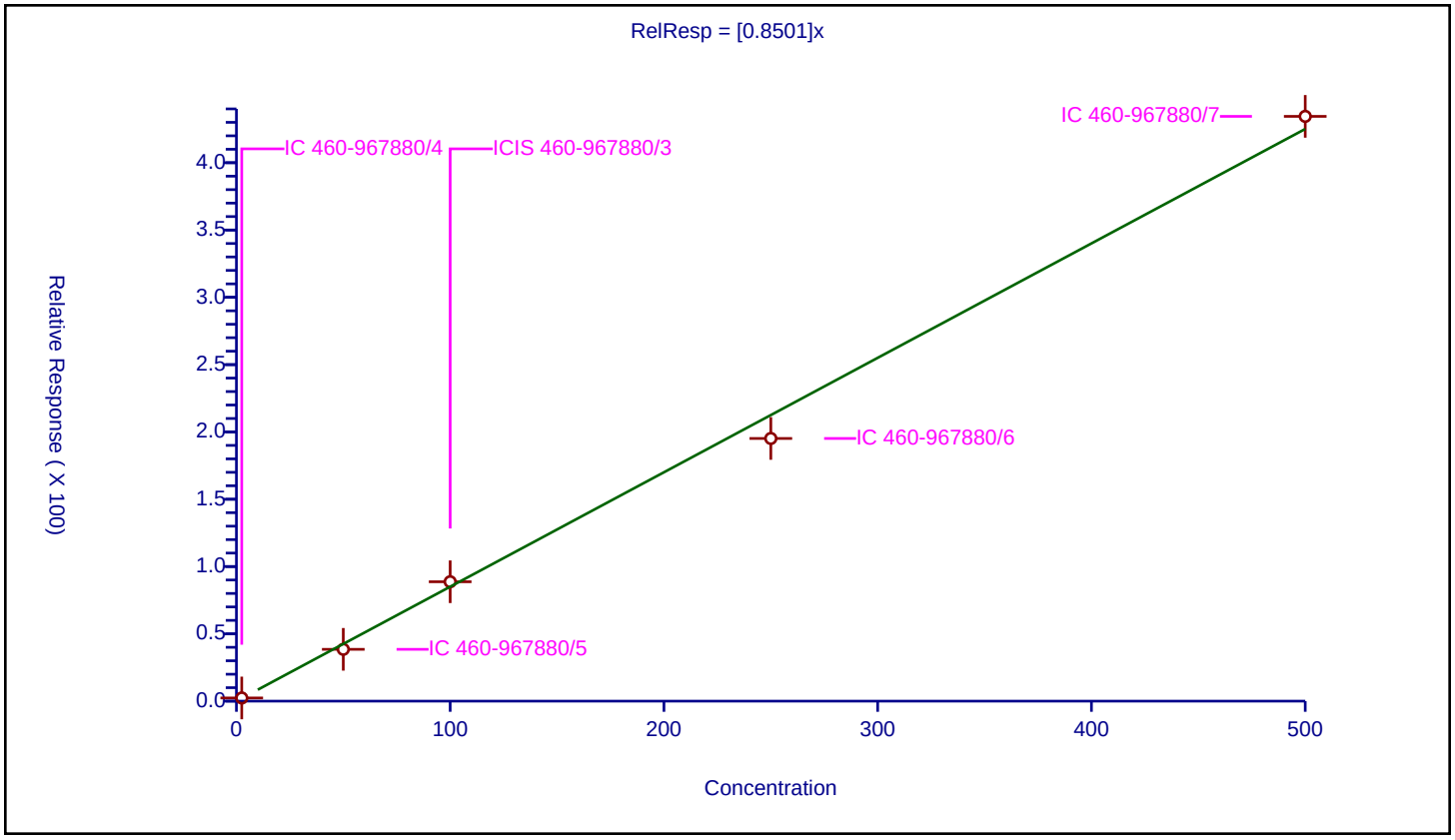
Curve Coefficients

Intercept:	0
Slope:	0.8501

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.36065	100.0	421171145.0	0.94426	Y
2	IC 460-967880/5	50.0	38.500619	100.0	490258975.0	0.770012	Y
3	ICIS 460-967880/3	100.0	88.692027	100.0	405848735.0	0.88692	Y
4	IC 460-967880/6	250.0	195.144873	100.0	508313239.0	0.780579	Y
5	IC 460-967880/7	500.0	434.442735	100.0	421145383.0	0.868885	Y



Calibration / Endosulfan sulfate

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

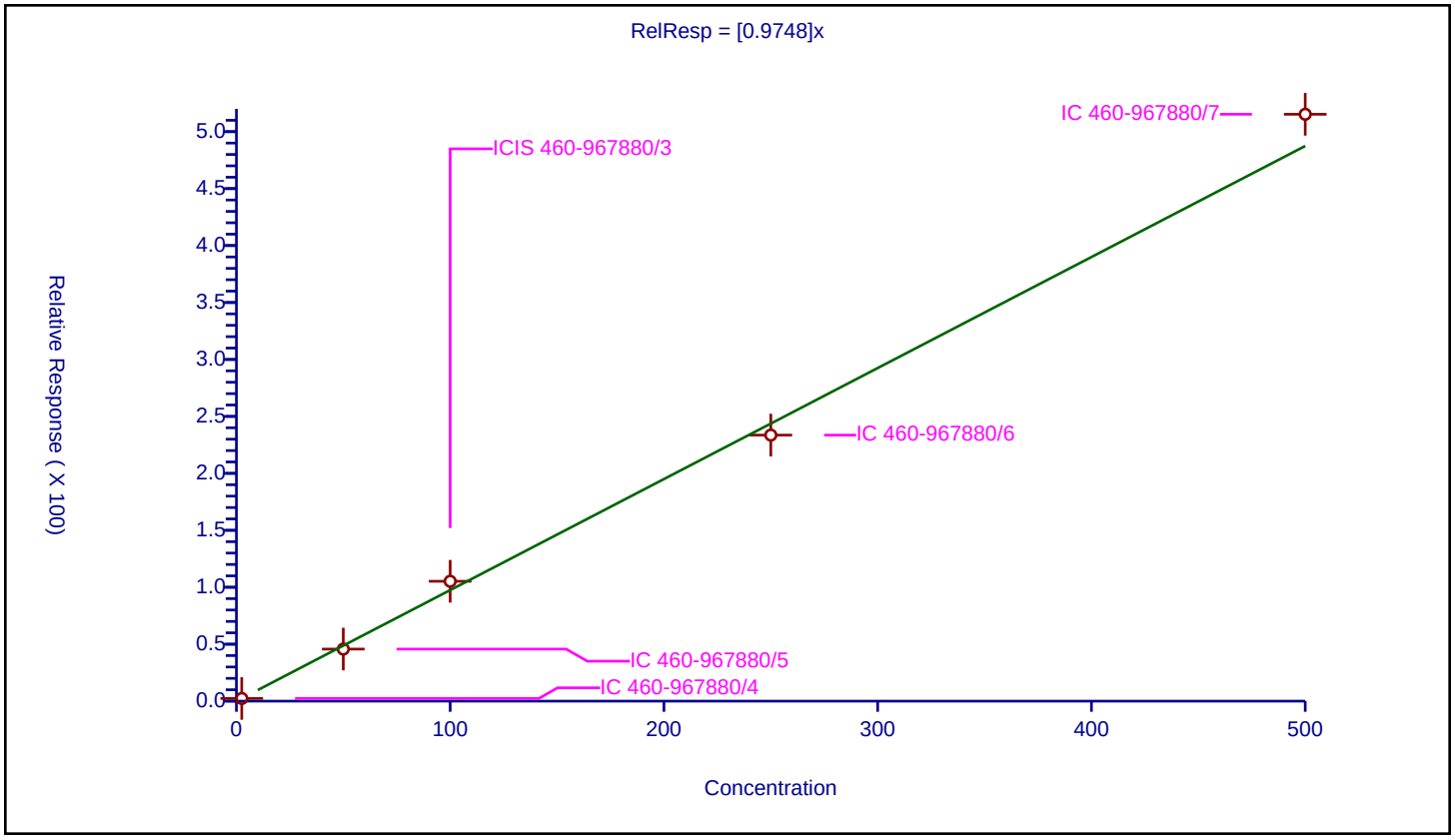
Curve Coefficients

Intercept:	0
Slope:	0.9748

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.356941	100.0	421171145.0	0.942776	Y
2	IC 460-967880/5	50.0	45.706756	100.0	490258975.0	0.914135	Y
3	ICIS 460-967880/3	100.0	105.24413	100.0	405848735.0	1.052441	Y
4	IC 460-967880/6	250.0	233.582484	100.0	508313239.0	0.93433	Y
5	IC 460-967880/7	500.0	515.283535	100.0	421145383.0	1.030567	Y



Calibration / Endrin ketone

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

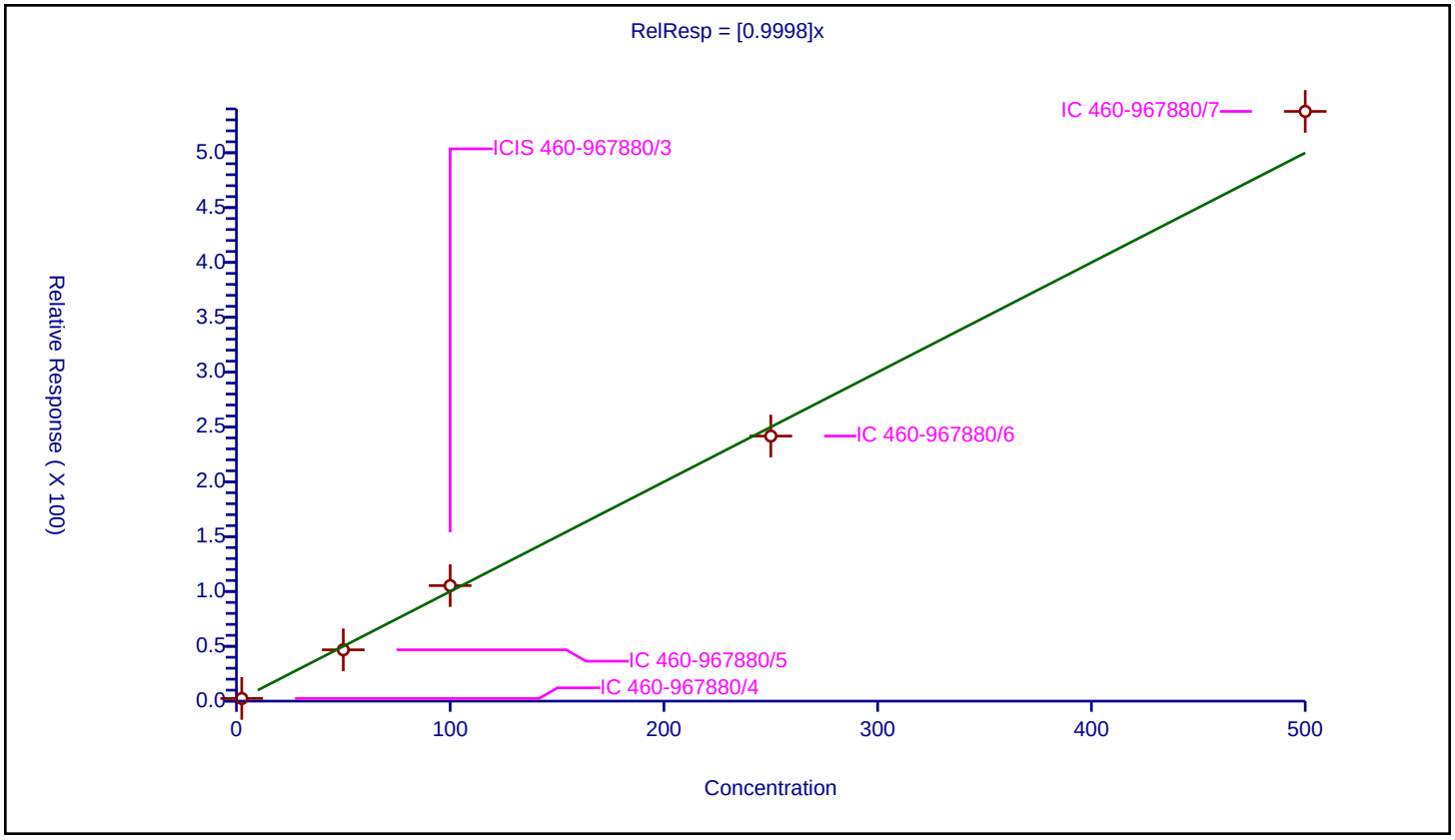
Curve Coefficients

Intercept:	0
Slope:	0.9998

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	2.5	2.418588	100.0	421171145.0	0.967435	Y
2	IC 460-967880/5	50.0	46.804122	100.0	490258975.0	0.936082	Y
3	ICIS 460-967880/3	100.0	105.341332	100.0	405848735.0	1.053413	Y
4	IC 460-967880/6	250.0	241.692216	100.0	508313239.0	0.966769	Y
5	IC 460-967880/7	500.0	537.705465	100.0	421145383.0	1.075411	Y



Calibration / DCB Decachlorobiphenyl

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

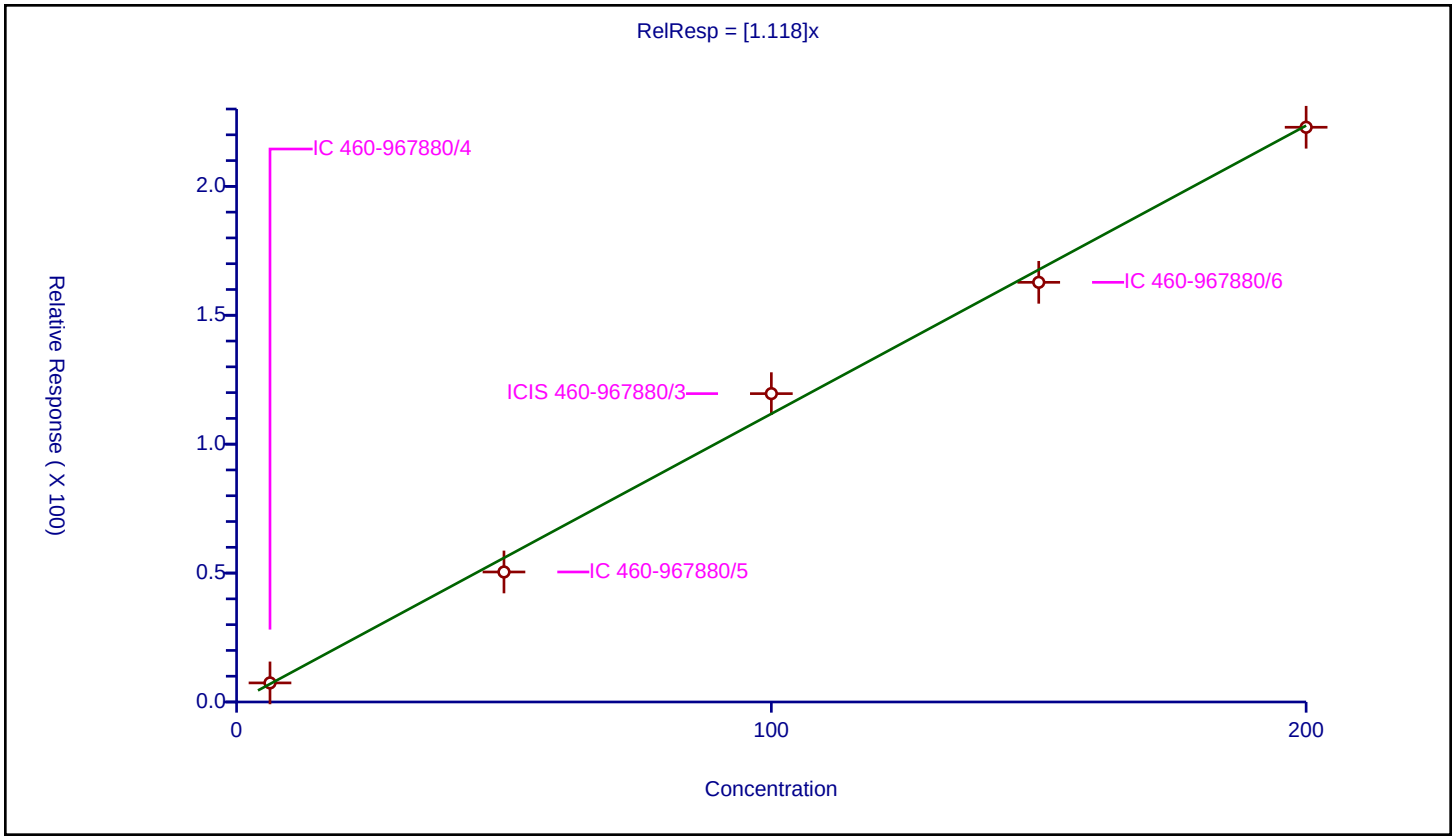
Curve Coefficients

Intercept:	0
Slope:	1.118

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/4	6.25	7.40513	100.0	421171145.0	1.184821	Y
2	IC 460-967880/5	50.0	50.425328	100.0	490258975.0	1.008507	Y
3	ICIS 460-967880/3	100.0	119.606759	100.0	405848735.0	1.196068	Y
4	IC 460-967880/6	150.0	162.782042	100.0	508313239.0	1.085214	Y
5	IC 460-967880/7	200.0	222.92715	100.0	421145383.0	1.114636	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967880

SDG No.:

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2024 11:18 Calibration End Date: 04/05/2024 12:07 Calibration ID: 96536

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-967880/16	12F0059967.D
Level 2	IC 460-967880/17	12F0059968.D
Level 3	IC 460-967880/18	12F0059969.D
Level 4	IC 460-967880/19	12F0059970.D
Level 5	IC 460-967880/20	12F0059971.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene Peak 1	0.0200	0.0241	0.0258	0.0270	0.0245	Ave		0.0243				10.9		20.0			
Toxaphene Peak 2	0.0321	0.0363	0.0393	0.0391	0.0353	Ave		0.0364				8.2		20.0			
Toxaphene Peak 3	0.0576	0.0666	0.0706	0.0718	0.0648	Ave		0.0663				8.5		20.0			
Toxaphene Peak 4	0.0311	0.0401	0.0428	0.0437	0.0405	Ave		0.0396				12.7		20.0			
Toxaphene Peak 5	0.0298	0.0425	0.0459	0.0457	0.0450	Ave		0.0418				16.4		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967880

SDG No.:

Instrument ID: CPESTGC12 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2024 11:18 | Calibration End Date: 04/05/2024 12:07 | Calibration ID: 96536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-967880/16	12F0059967.D
Level 2	IC 460-967880/17	12F0059968.D
Level 3	IC 460-967880/18	12F0059969.D
Level 4	IC 460-967880/19	12F0059970.D
Level 5	IC 460-967880/20	12F0059971.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Ave	2156842	33633378	57899785	110365606	164551508	50.0	500	1000	1500	2500
Toxaphene Peak 2	BNB	Ave	3463914	50527532	88055704	160169279	236761428	50.0	500	1000	1500	2500
Toxaphene Peak 3	BNB	Ave	6216024	92762467	158203829	293919850	434641084	50.0	500	1000	1500	2500
Toxaphene Peak 4	BNB	Ave	3353021	55882718	95900032	179122539	271362528	50.0	500	1000	1500	2500
Toxaphene Peak 5	BNB	Ave	3214194	59218298	102951422	187204773	301703964	50.0	500	1000	1500	2500

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059967.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Apr-2024 11:18:34 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-016
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:32:48 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:11:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.464	1.464	0.000	215864293	100.0	100.0	
2	1.441	1.440	0.001	430938511	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.781	4.780	0.001	2156842	50.0	41.1	
1	5.307	5.307	0.000	3463914	50.0	44.1	
1	5.402	5.401	0.001	6216024	50.0	43.5	
1	5.679	5.677	0.002	3353021	50.0	39.2	
1	6.345	6.342	0.003	3214194	50.0	35.6	
		Average of Peak Amounts =				40.7	
2	4.662	4.662	0.000	9789018	50.0	39.8	M
2	4.790	4.789	0.001	15365620	50.0	45.1	M
2	5.026	5.026	0.000	10906037	50.0	55.6	M
2	5.223	5.221	0.002	10255649	50.0	55.5	M
2	5.407	5.405	0.002	13643402	50.0	61.5	M
		Average of Peak Amounts =				51.5	
						RPD = 23.41	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

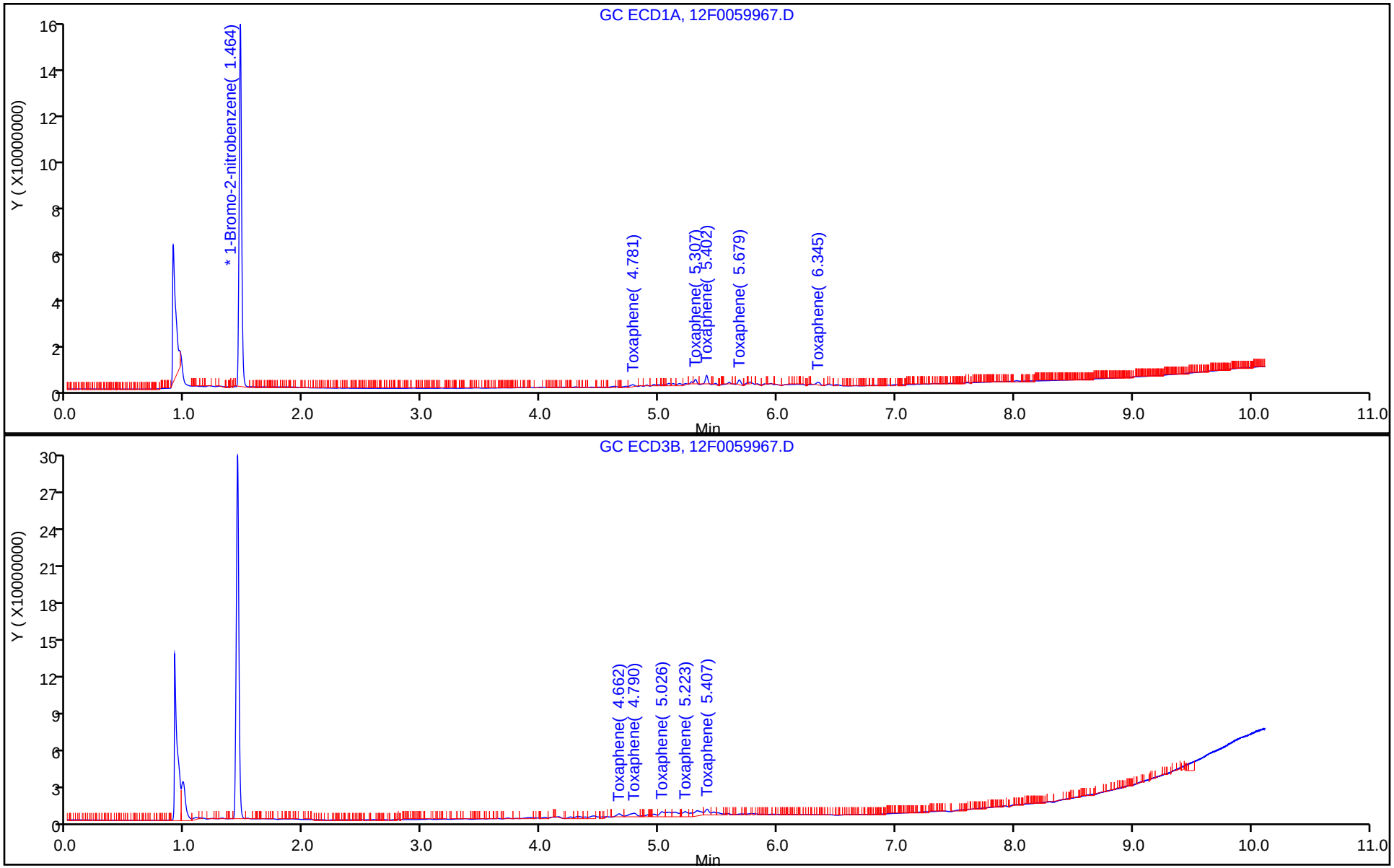
SGTOXAPHENEL1_00012 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:32:49 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059967.D

Injection Date:	05-Apr-2024 11:18:34	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059968.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Apr-2024 11:30:48 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-017
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:00 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:12:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.464	1.464	0.000	278712648	100.0	100.0	
2	1.441	1.440	0.001	551268388	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.781	4.780	0.001	33633378	500.0	496.8	M
1	5.307	5.307	0.000	50527532	500.0	497.9	M
1	5.402	5.401	0.001	92762467	500.0	502.2	M
1	5.678	5.677	0.001	55882718	500.0	505.9	M
1	6.344	6.342	0.002	59218298	500.0	508.5	M
		Average of Peak Amounts =				502.2	
2	4.663	4.662	0.001	138406742	500.0	439.4	M
2	4.788	4.789	-0.001	193782084	500.0	445.1	M
2	5.024	5.026	-0.002	114083048	500.0	454.5	M
2	5.221	5.221	0.000	101304395	500.0	428.3	M
2	5.404	5.405	-0.001	119865199	500.0	422.2	M
		Average of Peak Amounts =				437.9	
						RPD = 13.69	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

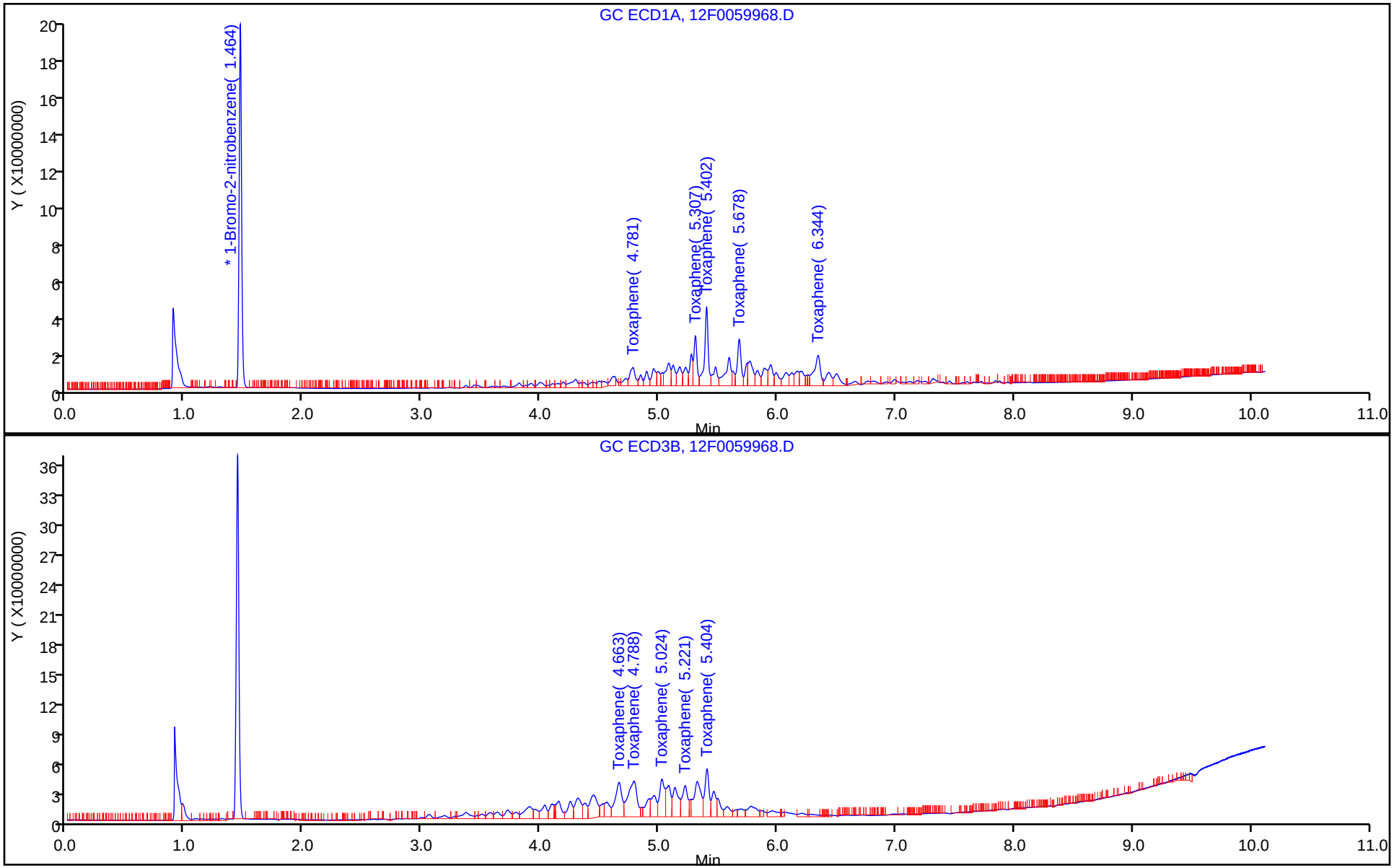
SGTOXAPHENEL3_00011 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:33:01 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059968.D

Injection Date:	05-Apr-2024 11:30:48	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 08-Apr-2024 03:33:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059968.D

Injection Date: 05-Apr-2024 11:30:48 Instrument ID: CPESTGC12

Lims ID: IC

Client ID:

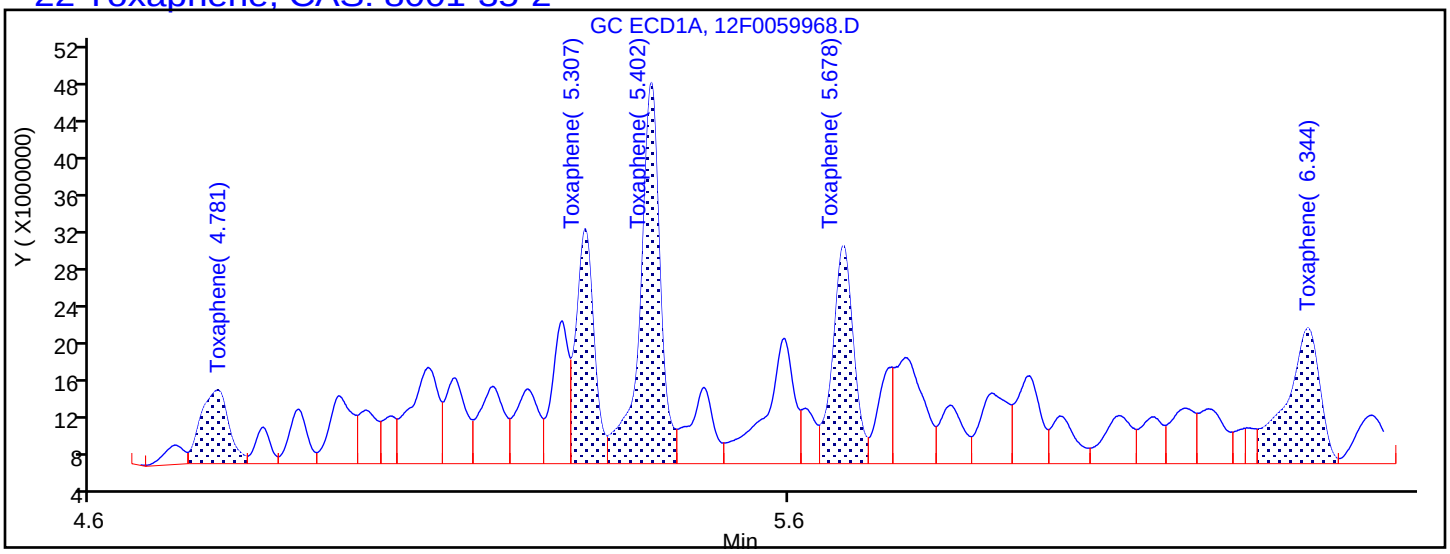
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

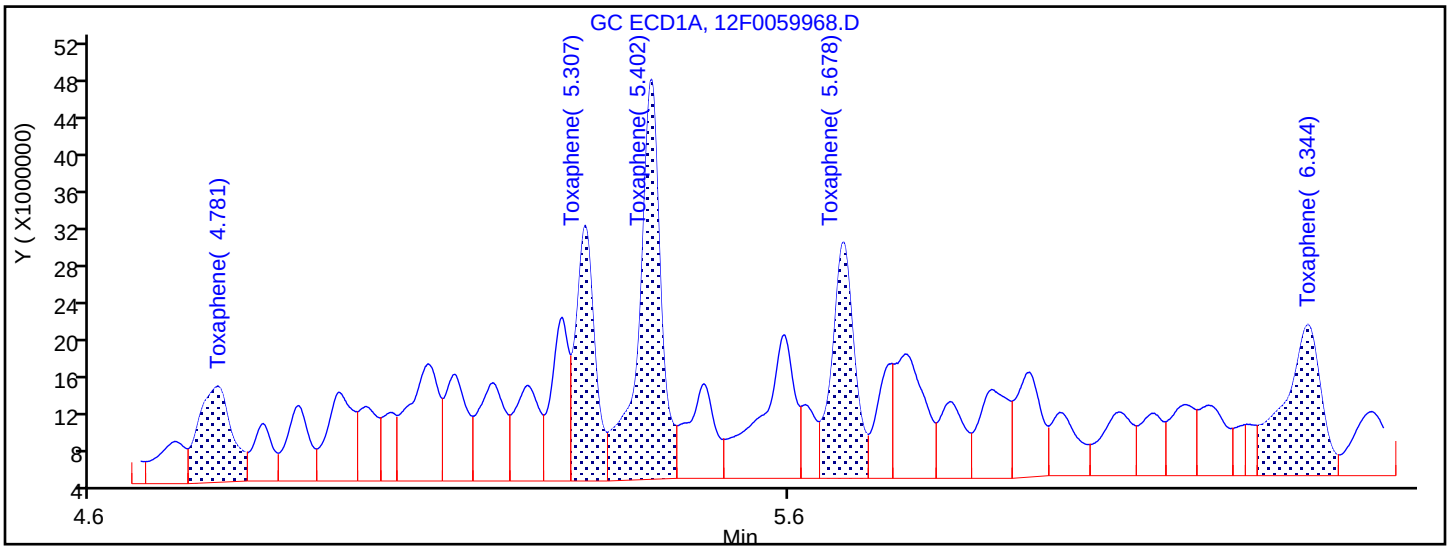
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.781	Response = 22299798
5.307	Response = 44286386
5.402	Response = 81201721
5.678	Response = 48299496
6.344	Response = 48723980



Manual Integration Results

4.781	Response = 33633378	M
5.307	Response = 50527532	M
5.402	Response = 92762467	M
5.678	Response = 55882718	M
6.344	Response = 59218298	M

Reviewer: ESS0, 08-Apr-2024 03:11:54 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059969.D
Lims ID: IC
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Apr-2024 11:43:02 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-018
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:12 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:12:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	224150172	100.0	100.0	
2	1.442	1.442	0.000	369541900	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.780	4.780	0.000	57899785	1000.0	1063.4	M
1	5.307	5.307	0.000	88055704	1000.0	1078.8	M
1	5.401	5.401	0.000	158203829	1000.0	1065.0	M
1	5.677	5.677	0.000	95900032	1000.0	1079.4	M
1	6.342	6.342	0.000	102951422	1000.0	1099.2	M
		Average of Peak Amounts =				1077.2	
2	4.662	4.662	0.000	262710660	1000.0	1244.2	M
2	4.789	4.789	0.000	349936240	1000.0	1198.9	M
2	5.026	5.026	0.000	183068513	1000.0	1087.9	M
2	5.221	5.221	0.000	182866237	1000.0	1153.3	M
2	5.405	5.405	0.000	208148030	1000.0	1093.7	M
		Average of Peak Amounts =				1155.6	
						RPD = 7.03	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

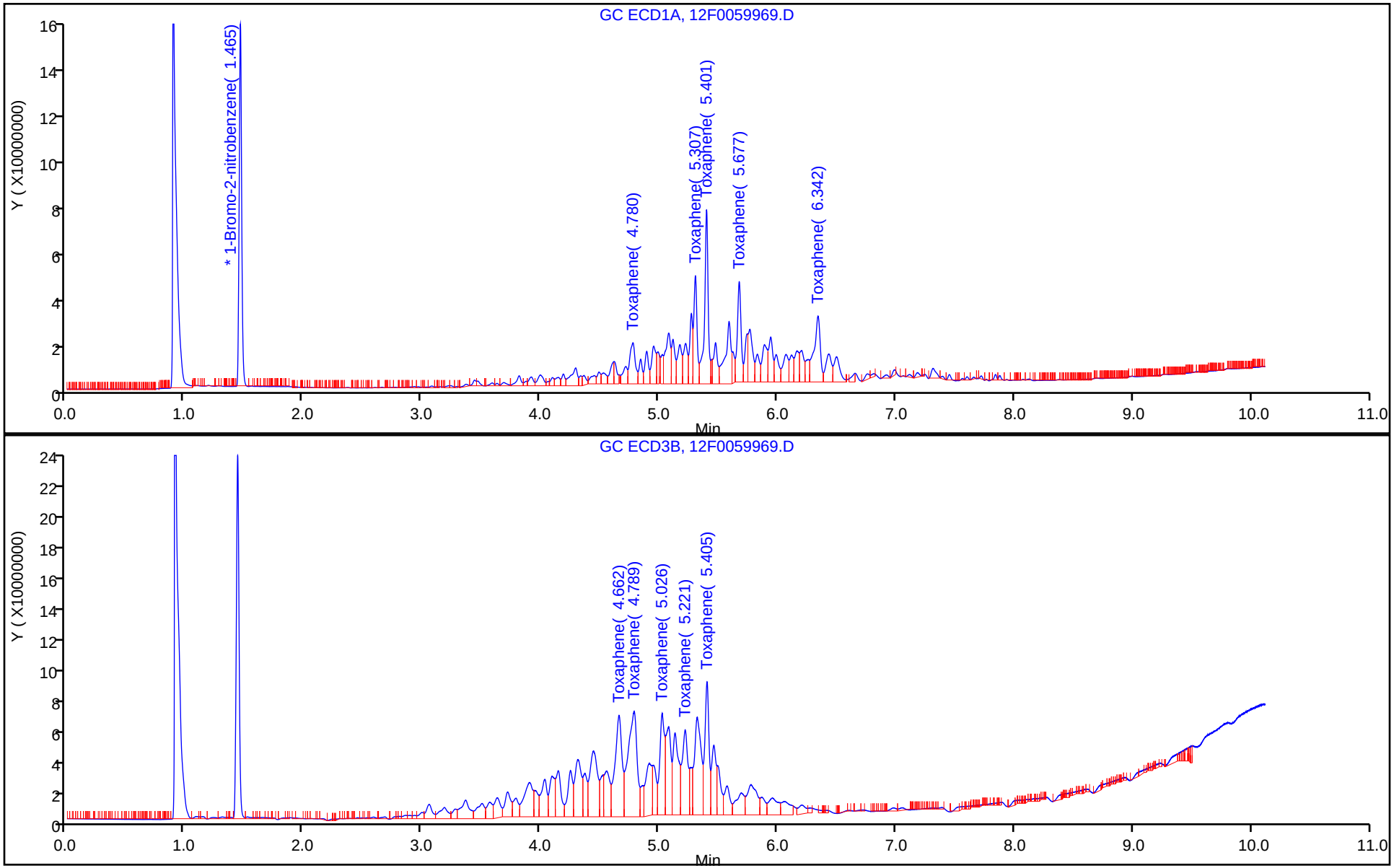
SGTOXAPHENEL4_00012 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:33:13 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059969.D

Injection Date:	05-Apr-2024 11:43:02	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		

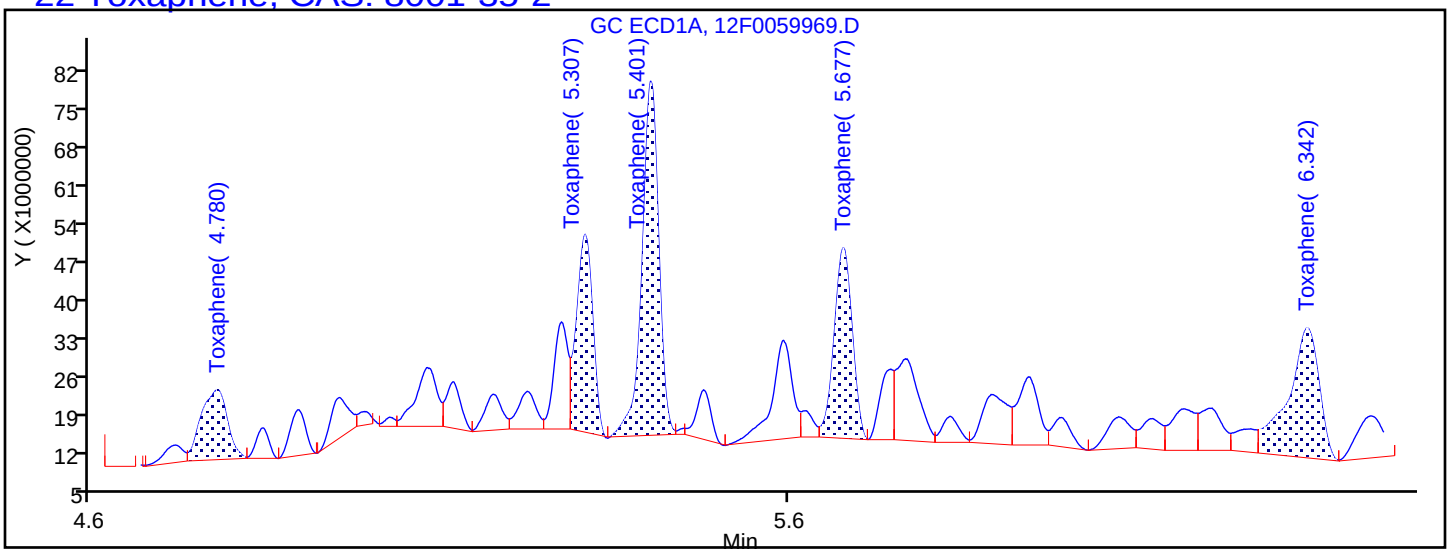


Report Date: 08-Apr-2024 03:33:13 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

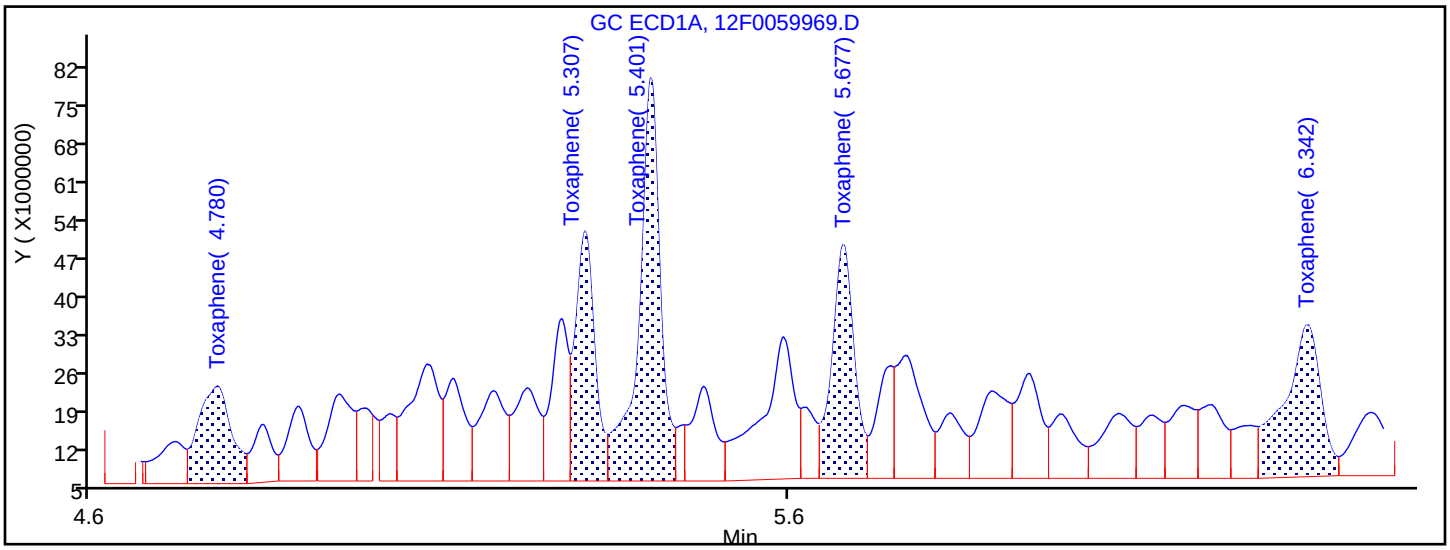
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059969.D
Injection Date: 05-Apr-2024 11:43:02 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.780	Response = 32287303
5.307	Response = 58698121
5.401	Response = 107052791
5.677	Response = 62649667
6.342	Response = 72163008



Manual Integration Results

4.780	Response = 57899785	M
5.307	Response = 88055704	M
5.401	Response = 158203829	M
5.677	Response = 95900032	M
6.342	Response = 102951422	M

Reviewer: ESS0, 08-Apr-2024 03:12:18 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059970.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Apr-2024 11:55:20 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-019
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:23 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:12:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	272957915	100.0	100.0	
2	1.442	1.442	0.000	505973545	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.780	4.780	0.000	110365606	1500.0	1664.6	M
1	5.308	5.307	0.001	160169279	1500.0	1611.4	M
1	5.402	5.401	0.001	293919850	1500.0	1624.8	M
1	5.678	5.677	0.001	179122539	1500.0	1655.7	M
1	6.344	6.342	0.002	187204773	1500.0	1641.3	M
		Average of Peak Amounts =				1639.6	
2	4.661	4.662	-0.001	486639732	1500.0	1683.3	M
2	4.790	4.789	0.001	644018576	1500.0	1611.5	M
2	5.025	5.026	-0.001	347652450	1500.0	1508.9	M
2	5.222	5.221	0.001	320387210	1500.0	1475.8	M
2	5.407	5.405	0.002	383007844	1500.0	1469.8	M
		Average of Peak Amounts =				1549.9	
						RPD = 5.62	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

SGTOXAPHENEL5_00011 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:33:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059970.D

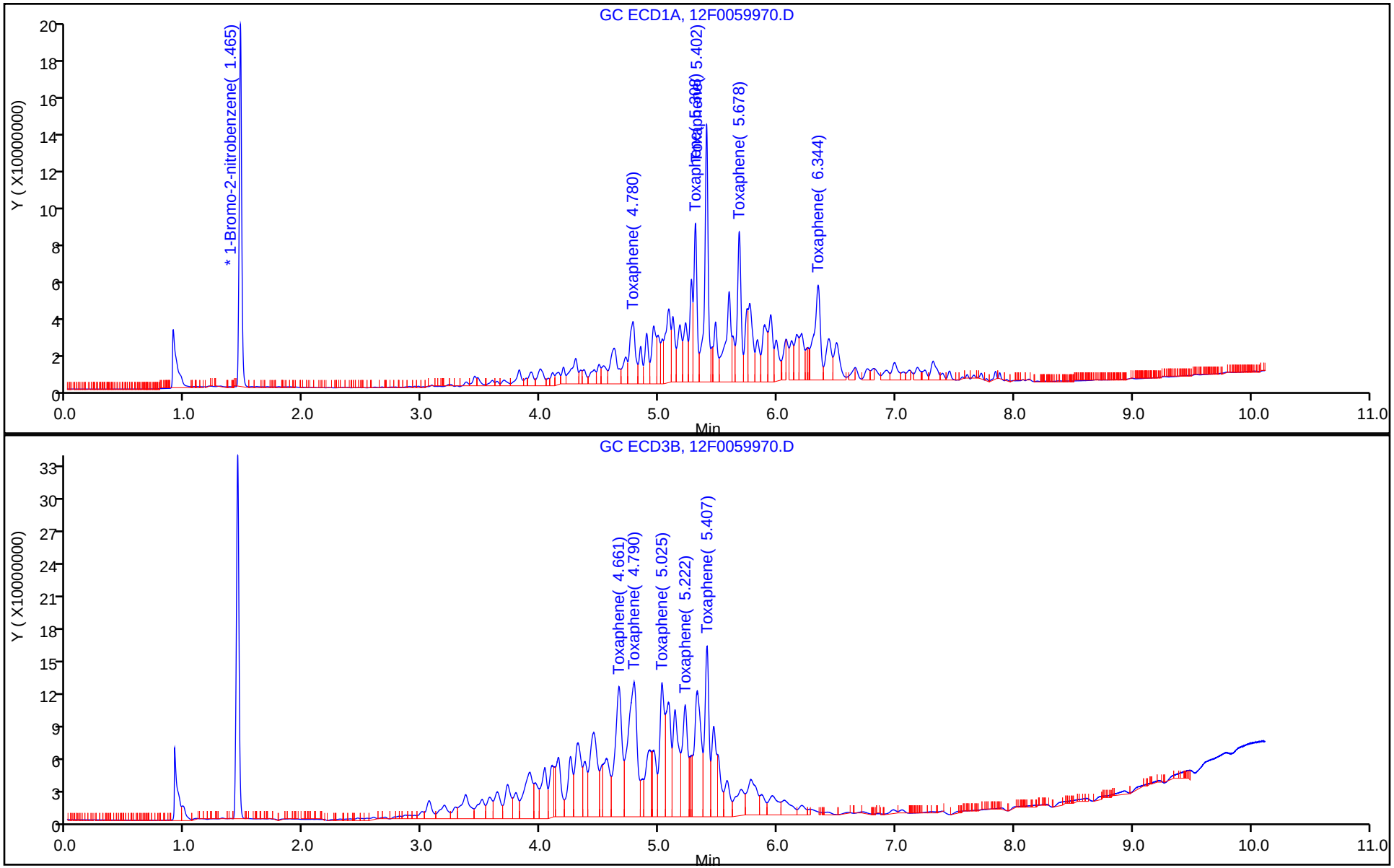
Injection Date: 05-Apr-2024 11:55:20 Instrument ID: CPESTGC12 Operator ID:

Lims ID: IC Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 19

Method: GC8081 Limit Group: GC 8081B PEST ISTD

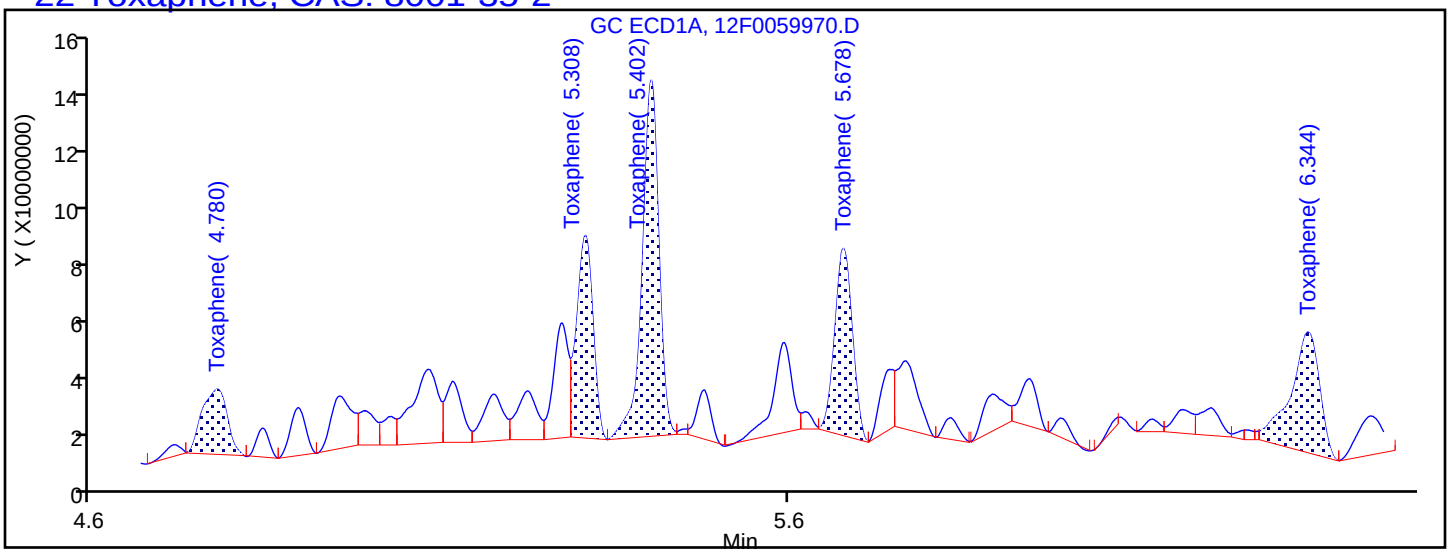


Report Date: 08-Apr-2024 03:33:25 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

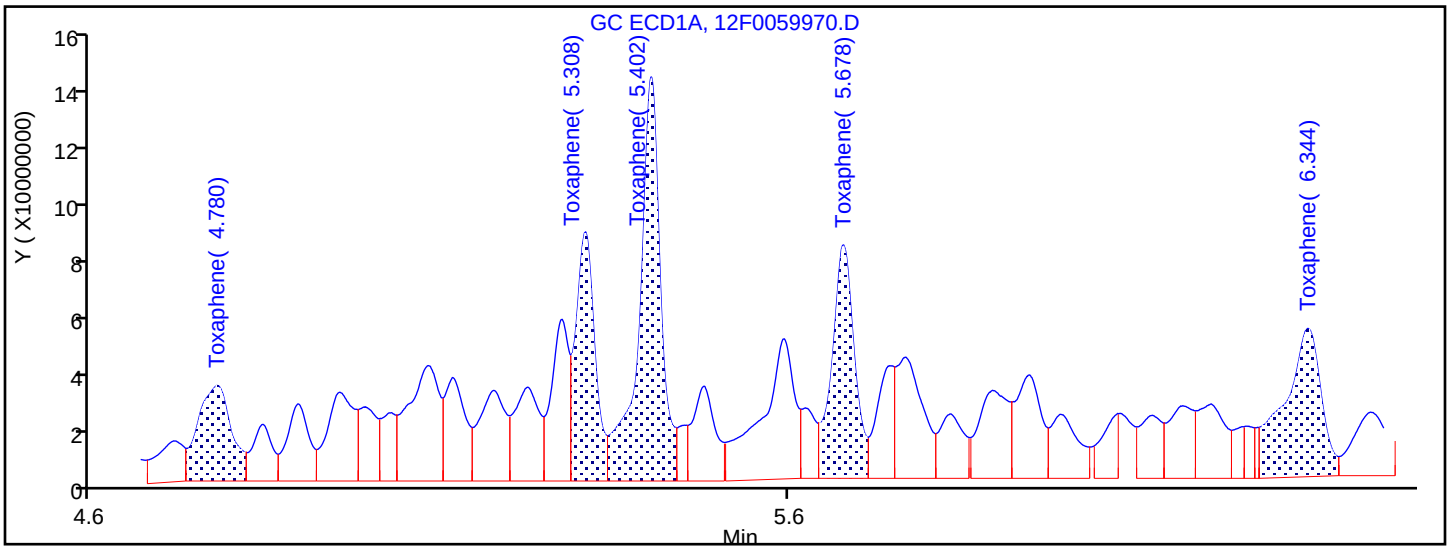
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059970.D
Injection Date: 05-Apr-2024 11:55:20 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.780	Response = 54728346
5.308	Response = 111655681
5.402	Response = 199086431
5.678	Response = 110120651
6.344	Response = 116877746



Manual Integration Results

4.780	Response = 110365606	M
5.308	Response = 160169279	M
5.402	Response = 293919850	M
5.678	Response = 179122539	M
6.344	Response = 187204773	M

Reviewer: ESS0, 08-Apr-2024 03:12:35 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Apr-2024 12:07:38 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-020
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:35 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:13:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.466	1.465	0.001	268158696	100.0	100.0	
2	1.442	1.442	0.000	519691333	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.781	4.780	0.001	164551508	2500.0	2526.3	M
1	5.307	5.307	0.000	236761428	2500.0	2424.6	M
1	5.403	5.401	0.002	434641084	2500.0	2445.8	M
1	5.678	5.677	0.001	271362528	2500.0	2553.1	M
1	6.344	6.342	0.002	301703964	2500.0	2692.5	M
		Average of Peak Amounts =				2528.5	
2	4.663	4.662	0.001	712370239	2500.0	2399.1	M
2	4.790	4.789	0.001	958115424	2500.0	2334.2	M
2	5.025	5.026	-0.001	523944744	2500.0	2214.1	M
2	5.222	5.221	0.001	499907185	2500.0	2242.0	M
2	5.406	5.405	0.001	570407369	2500.0	2131.2	M
		Average of Peak Amounts =				2264.1	
						RPD = 11.03	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

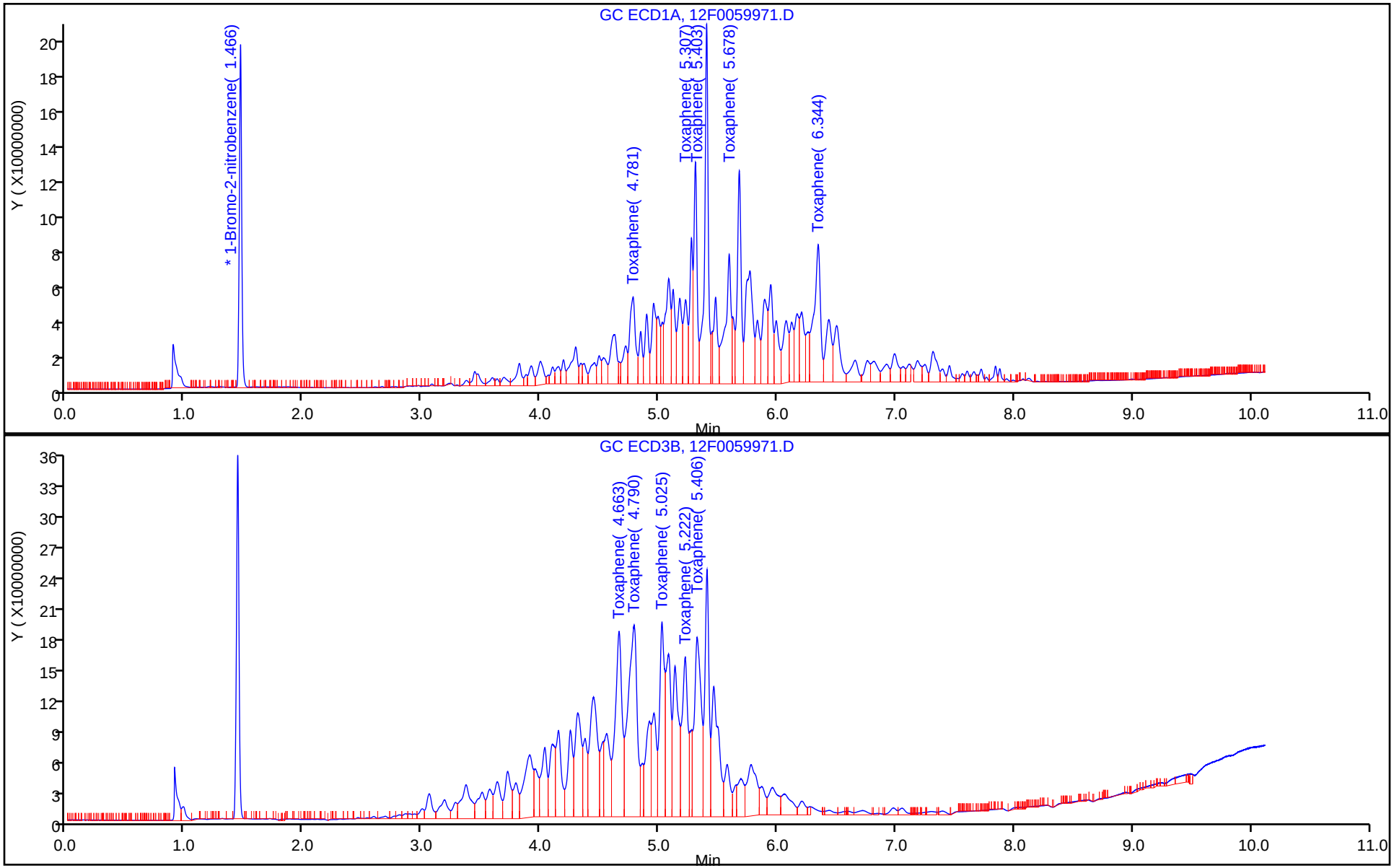
SGTOXAPHENEL6_00011 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:33:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Injection Date:	05-Apr-2024 12:07:38	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 08-Apr-2024 03:33:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Injection Date: 05-Apr-2024 12:07:38 Instrument ID: CPESTGC12

Lims ID: IC

Client ID:

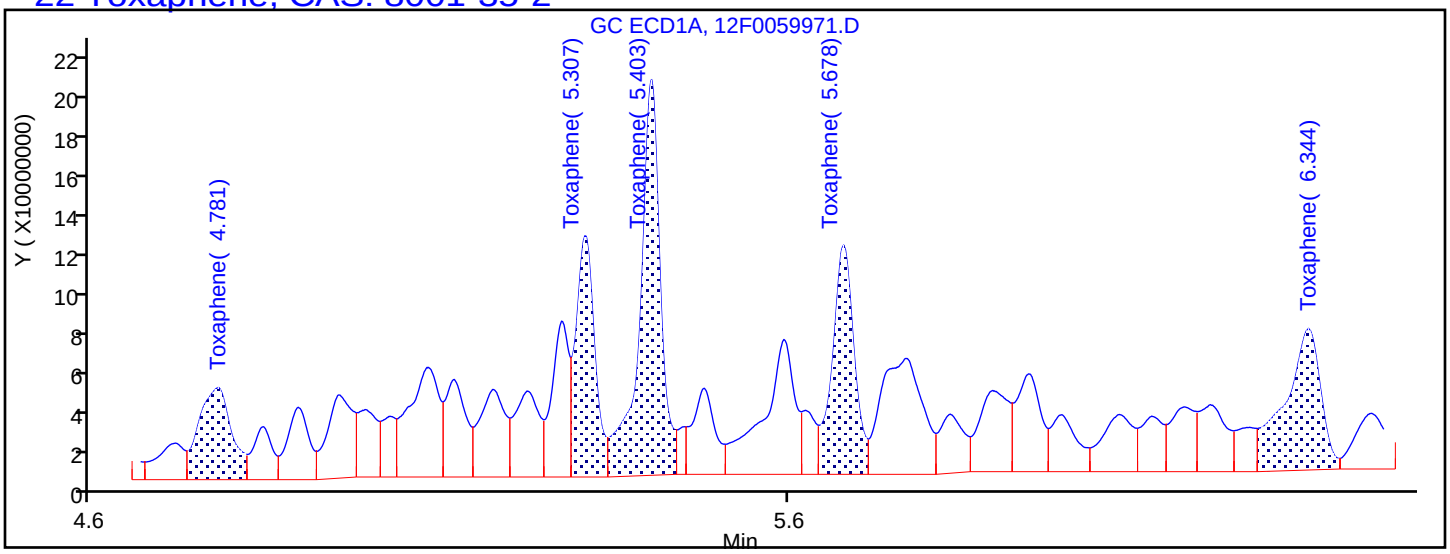
Operator ID: ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

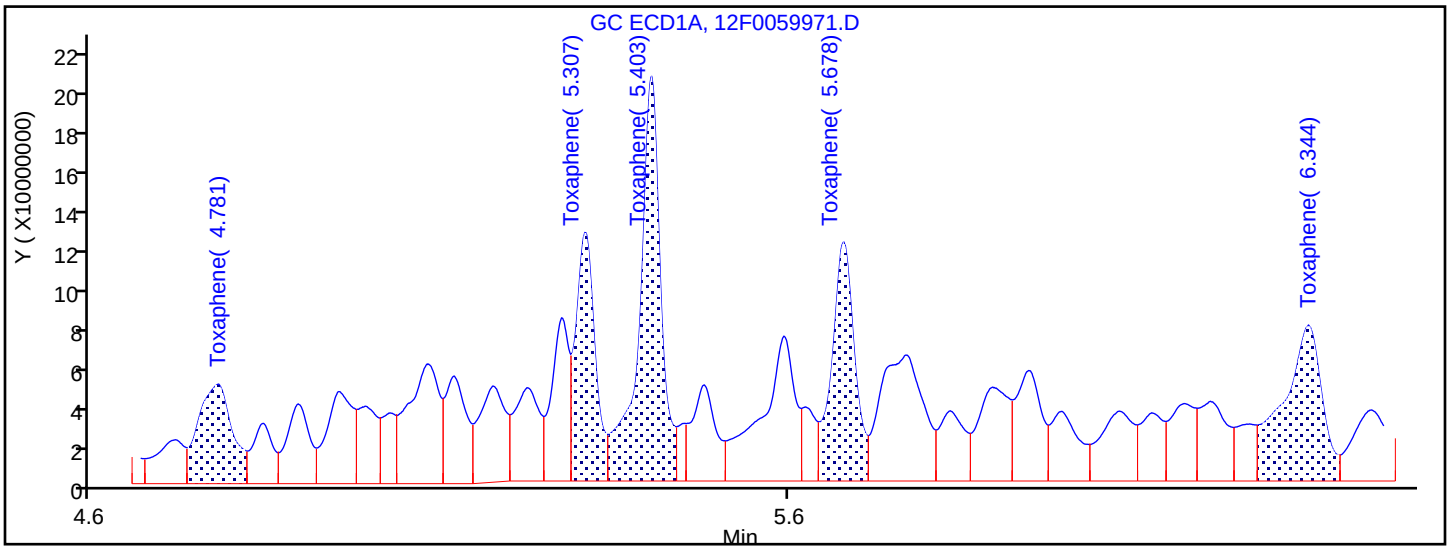
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.781	Response = 147124225
5.307	Response = 222045032
5.403	Response = 405995151
5.678	Response = 247694285
6.344	Response = 251393496



Manual Integration Results

4.781	Response = 164551508	M
5.307	Response = 236761428	M
5.403	Response = 434641084	M
5.678	Response = 271362528	M
6.344	Response = 301703964	M

Reviewer: ESS0, 08-Apr-2024 03:12:51 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Calibration / Toxaphene Peak 1

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

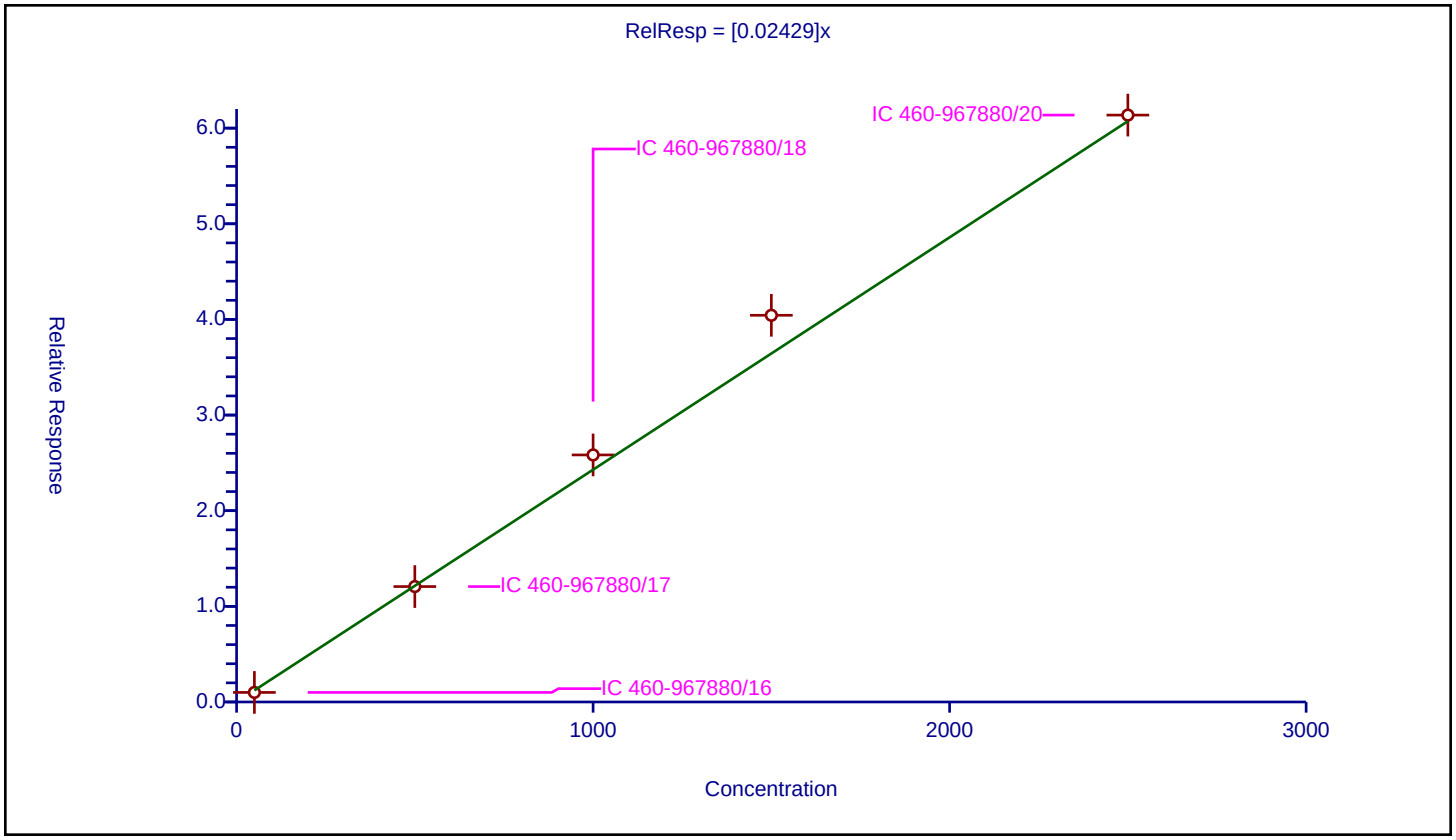
Curve Coefficients

Intercept:	0
Slope:	0.02429

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	0.999166	100.0	215864293.0	0.019983	Y
2	IC 460-967880/17	500.0	12.067403	100.0	278712648.0	0.024135	Y
3	IC 460-967880/18	1000.0	25.830801	100.0	224150172.0	0.025831	Y
4	IC 460-967880/19	1500.0	40.433195	100.0	272957915.0	0.026955	Y
5	IC 460-967880/20	2500.0	61.36348	100.0	268158696.0	0.024545	Y



Calibration / Toxaphene Peak 2

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

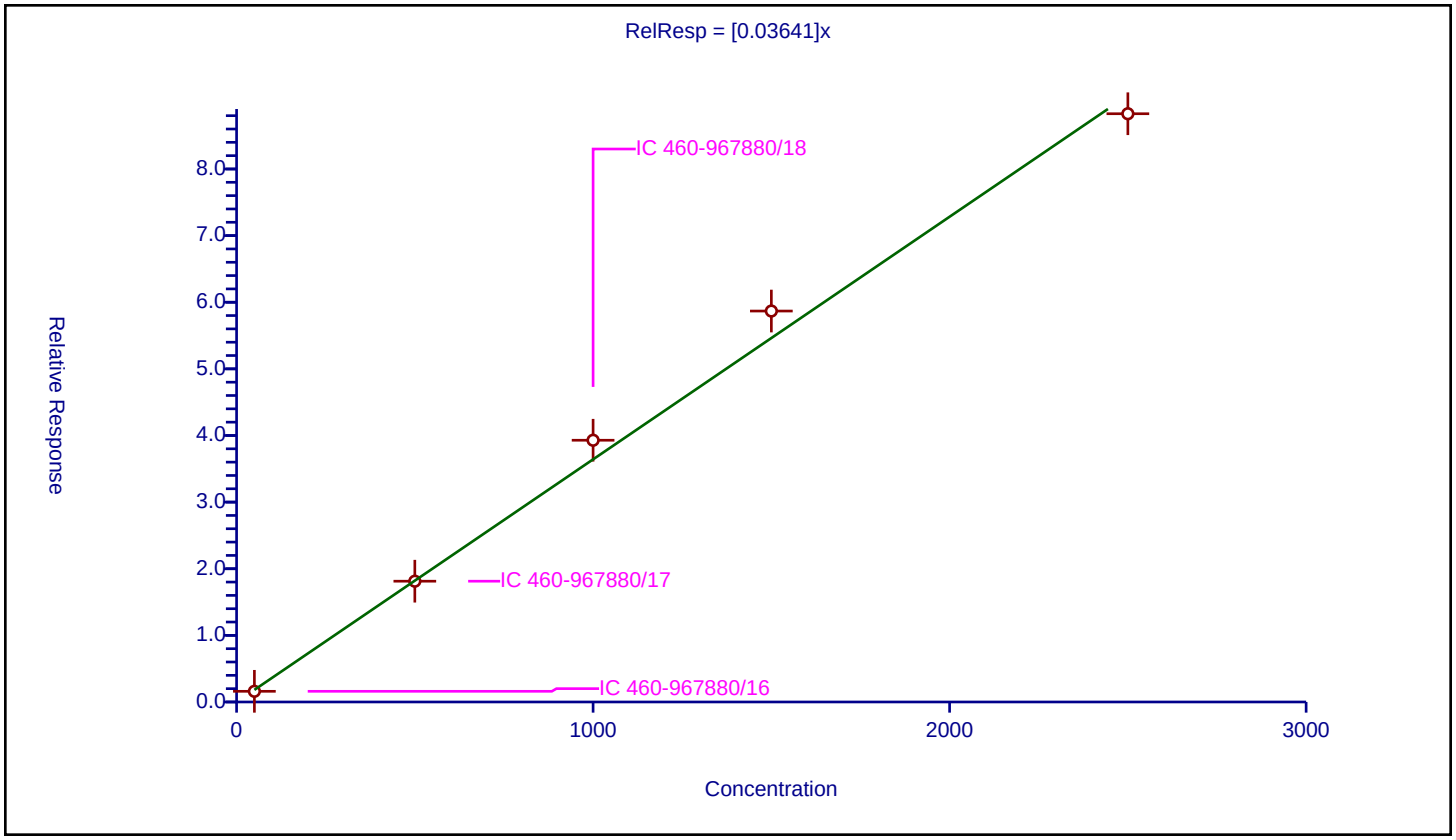
Curve Coefficients

Intercept:	0
Slope:	0.03641

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	1.604672	100.0	215864293.0	0.032093	Y
2	IC 460-967880/17	500.0	18.128898	100.0	278712648.0	0.036258	Y
3	IC 460-967880/18	1000.0	39.284246	100.0	224150172.0	0.039284	Y
4	IC 460-967880/19	1500.0	58.679111	100.0	272957915.0	0.039119	Y
5	IC 460-967880/20	2500.0	88.291535	100.0	268158696.0	0.035317	Y



Calibration / Toxaphene Peak 3

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

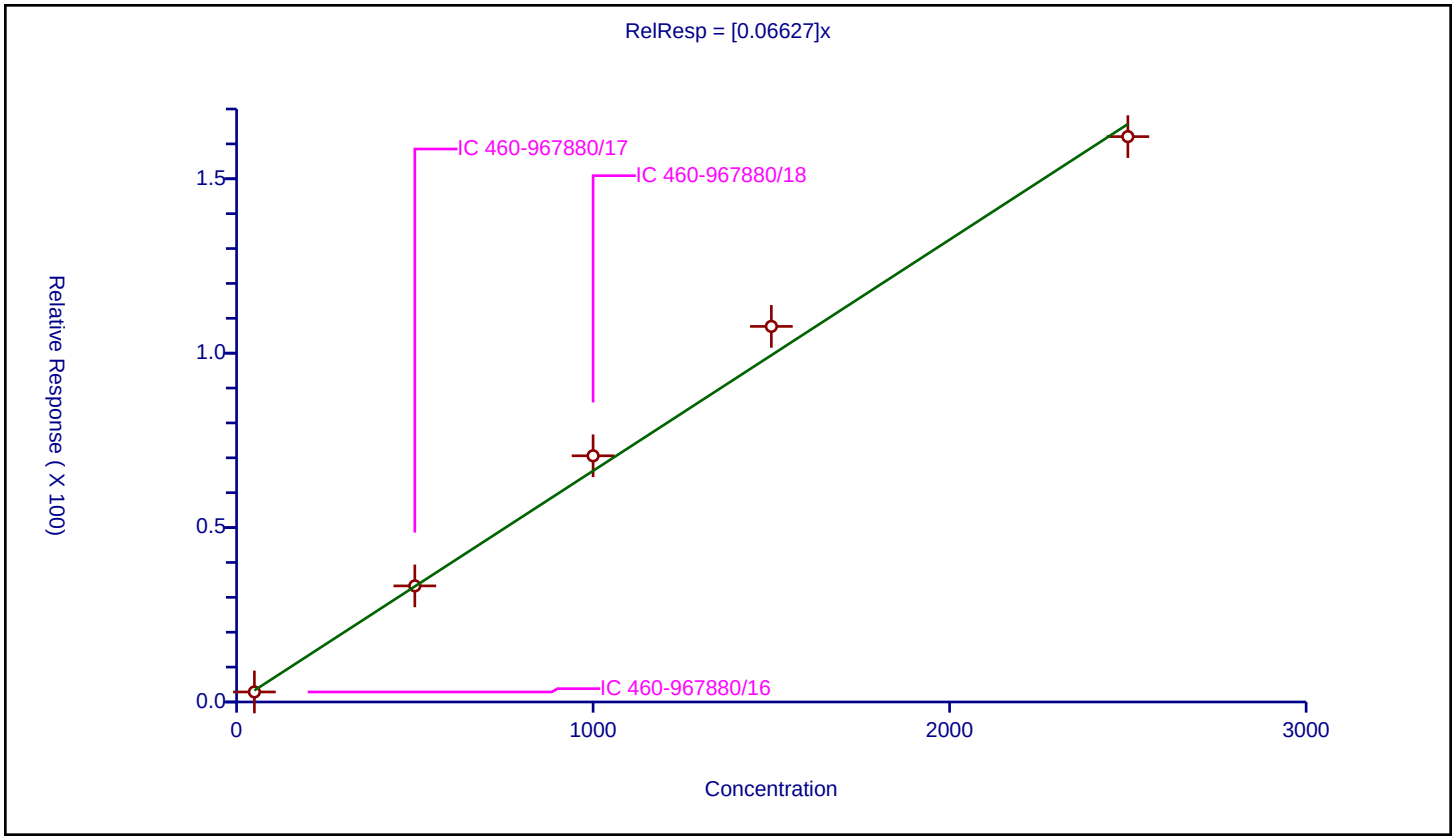
Curve Coefficients

Intercept:	0
Slope:	0.06627

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	2.879598	100.0	215864293.0	0.057592	Y
2	IC 460-967880/17	500.0	33.282475	100.0	278712648.0	0.066565	Y
3	IC 460-967880/18	1000.0	70.579392	100.0	224150172.0	0.070579	Y
4	IC 460-967880/19	1500.0	107.679548	100.0	272957915.0	0.071786	Y
5	IC 460-967880/20	2500.0	162.083531	100.0	268158696.0	0.064833	Y



Calibration / Toxaphene Peak 4

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

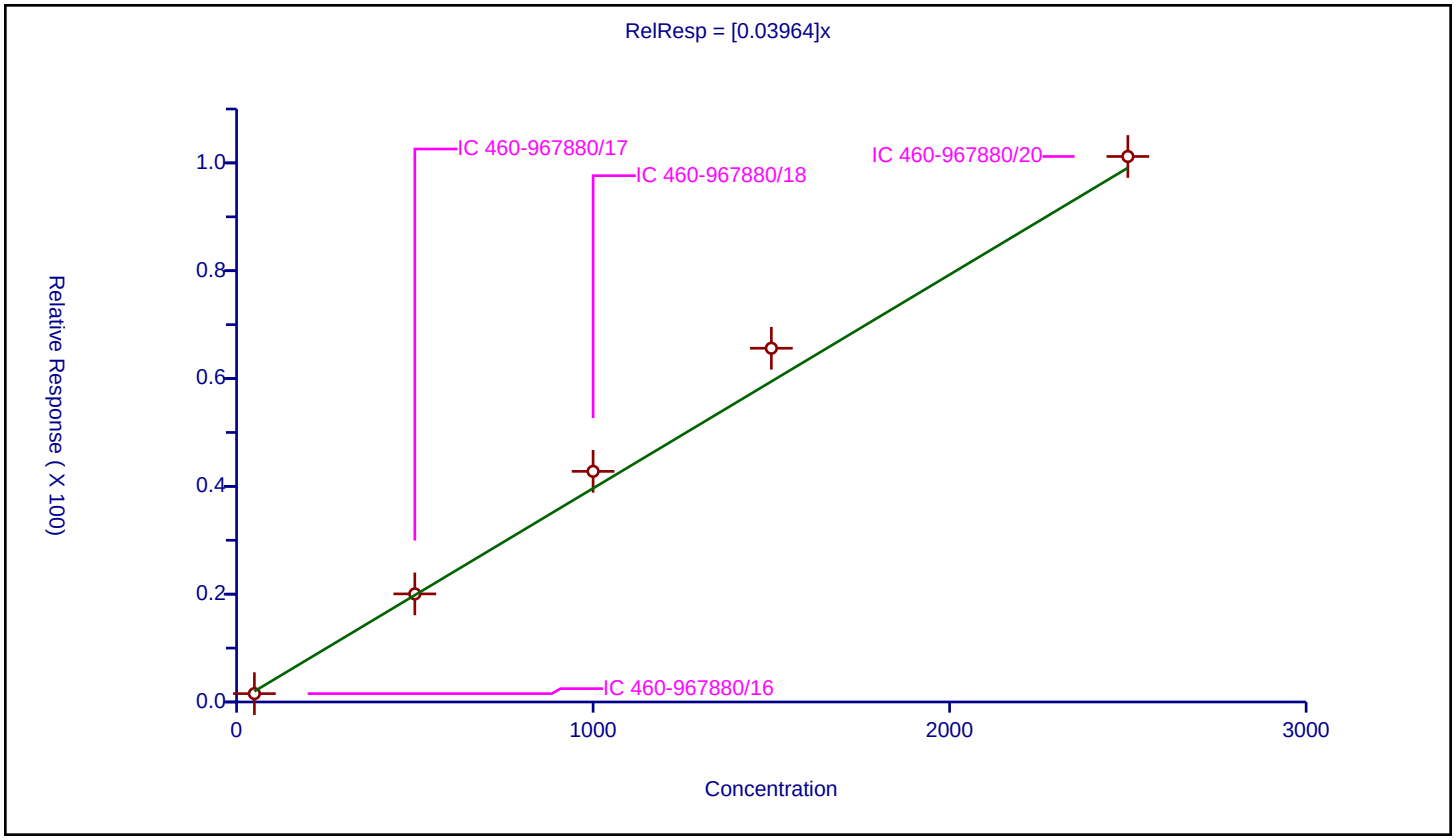
Curve Coefficients

Intercept:	0
Slope:	0.03964

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	1.5533	100.0	215864293.0	0.031066	Y
2	IC 460-967880/17	500.0	20.050299	100.0	278712648.0	0.040101	Y
3	IC 460-967880/18	1000.0	42.783832	100.0	224150172.0	0.042784	Y
4	IC 460-967880/19	1500.0	65.622768	100.0	272957915.0	0.043749	Y
5	IC 460-967880/20	2500.0	101.194752	100.0	268158696.0	0.040478	Y



Calibration / Toxaphene Peak 5

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

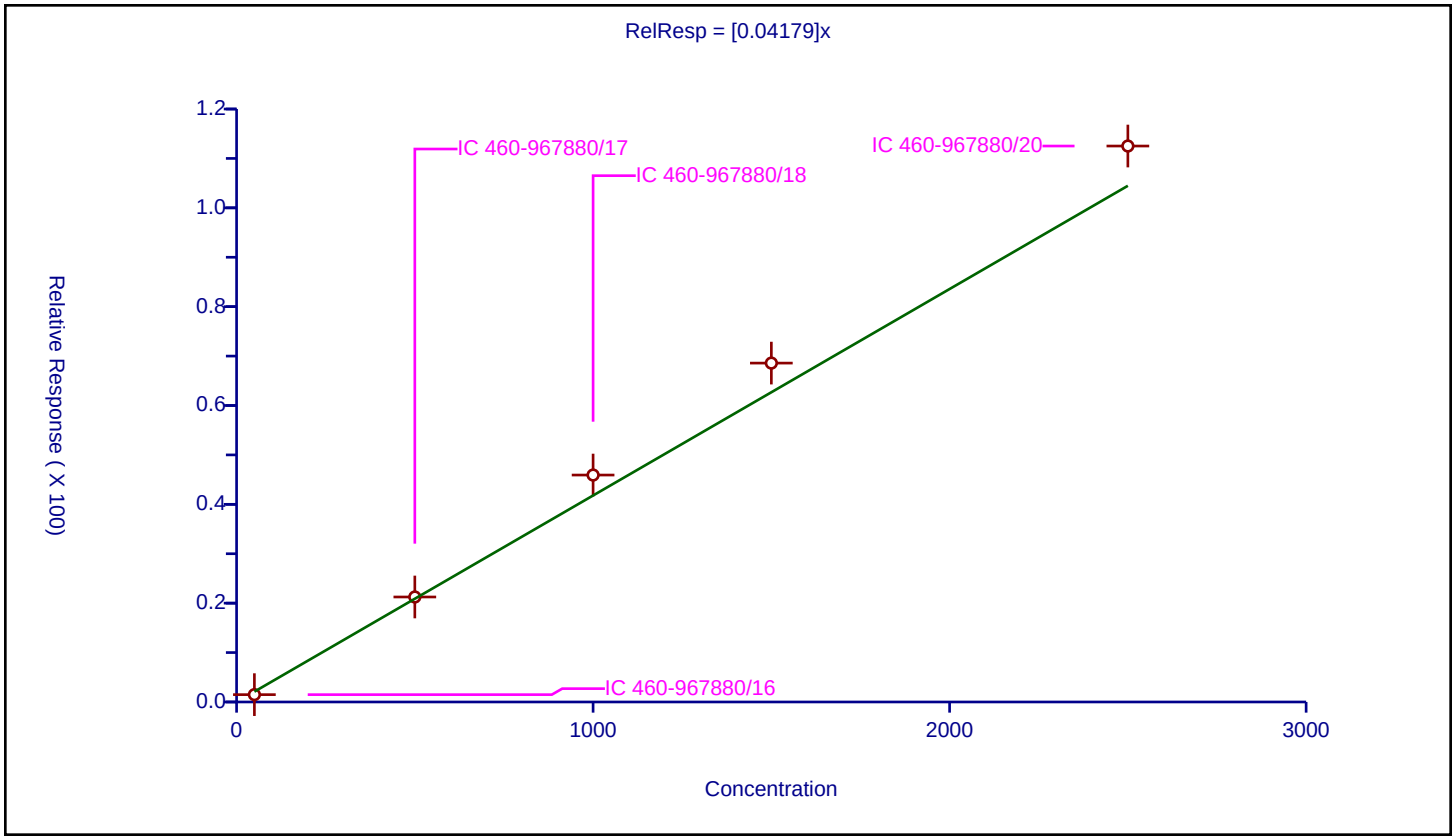
Curve Coefficients

Intercept:	0
Slope:	0.04179

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	1.488988	100.0	215864293.0	0.02978	Y
2	IC 460-967880/17	500.0	21.24708	100.0	278712648.0	0.042494	Y
3	IC 460-967880/18	1000.0	45.929665	100.0	224150172.0	0.04593	Y
4	IC 460-967880/19	1500.0	68.58375	100.0	272957915.0	0.045722	Y
5	IC 460-967880/20	2500.0	112.509484	100.0	268158696.0	0.045004	Y



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 967880

SDG No.:

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2024 11:18 Calibration End Date: 04/05/2024 12:07 Calibration ID: 96537

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-967880/16	12F0059967.D
Level 2	IC 460-967880/17	12F0059968.D
Level 3	IC 460-967880/18	12F0059969.D
Level 4	IC 460-967880/19	12F0059970.D
Level 5	IC 460-967880/20	12F0059971.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene Peak 1	0.0454	0.0502	0.0711	0.0641	0.0548	Ave		0.0571				18.2		20.0			
Toxaphene Peak 2	0.0713	0.0703	0.0947	0.0849	0.0737	Ave		0.0790				13.3		20.0			
Toxaphene Peak 3	0.0506	0.0414	0.0495	0.0458	0.0403	Ave		0.0455				10.2		20.0			
Toxaphene Peak 4	0.0476	0.0368	0.0495	0.0422	0.0385	Ave		0.0429				12.9		20.0			
Toxaphene Peak 5	0.0633	0.0435	0.0563	0.0505	0.0439	Ave		0.0515				16.4		20.0			

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

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 967880

SDG No.:

Instrument ID: CPESTGC12 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2024 11:18 | Calibration End Date: 04/05/2024 12:07 | Calibration ID: 96537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-967880/16	12F0059967.D
Level 2	IC 460-967880/17	12F0059968.D
Level 3	IC 460-967880/18	12F0059969.D
Level 4	IC 460-967880/19	12F0059970.D
Level 5	IC 460-967880/20	12F0059971.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Ave	9789018	138406742	262710660	486639732	712370239	50.0	500	1000	1500	2500
Toxaphene Peak 2	BNB	Ave	15365620	193782084	349936240	644018576	958115424	50.0	500	1000	1500	2500
Toxaphene Peak 3	BNB	Ave	10906037	114083048	183068513	347652450	523944744	50.0	500	1000	1500	2500
Toxaphene Peak 4	BNB	Ave	10255649	101304395	182866237	320387210	499907185	50.0	500	1000	1500	2500
Toxaphene Peak 5	BNB	Ave	13643402	119865199	208148030	383007844	570407369	50.0	500	1000	1500	2500

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059967.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Apr-2024 11:18:34 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-016
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:32:48 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:11:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.464	1.464	0.000	215864293	100.0	100.0	
2	1.441	1.440	0.001	430938511	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.781	4.780	0.001	2156842	50.0	41.1	
1	5.307	5.307	0.000	3463914	50.0	44.1	
1	5.402	5.401	0.001	6216024	50.0	43.5	
1	5.679	5.677	0.002	3353021	50.0	39.2	
1	6.345	6.342	0.003	3214194	50.0	35.6	
		Average of Peak Amounts =				40.7	
2	4.662	4.662	0.000	9789018	50.0	39.8	M
2	4.790	4.789	0.001	15365620	50.0	45.1	M
2	5.026	5.026	0.000	10906037	50.0	55.6	M
2	5.223	5.221	0.002	10255649	50.0	55.5	M
2	5.407	5.405	0.002	13643402	50.0	61.5	M
		Average of Peak Amounts =				51.5	
						RPD = 23.41	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

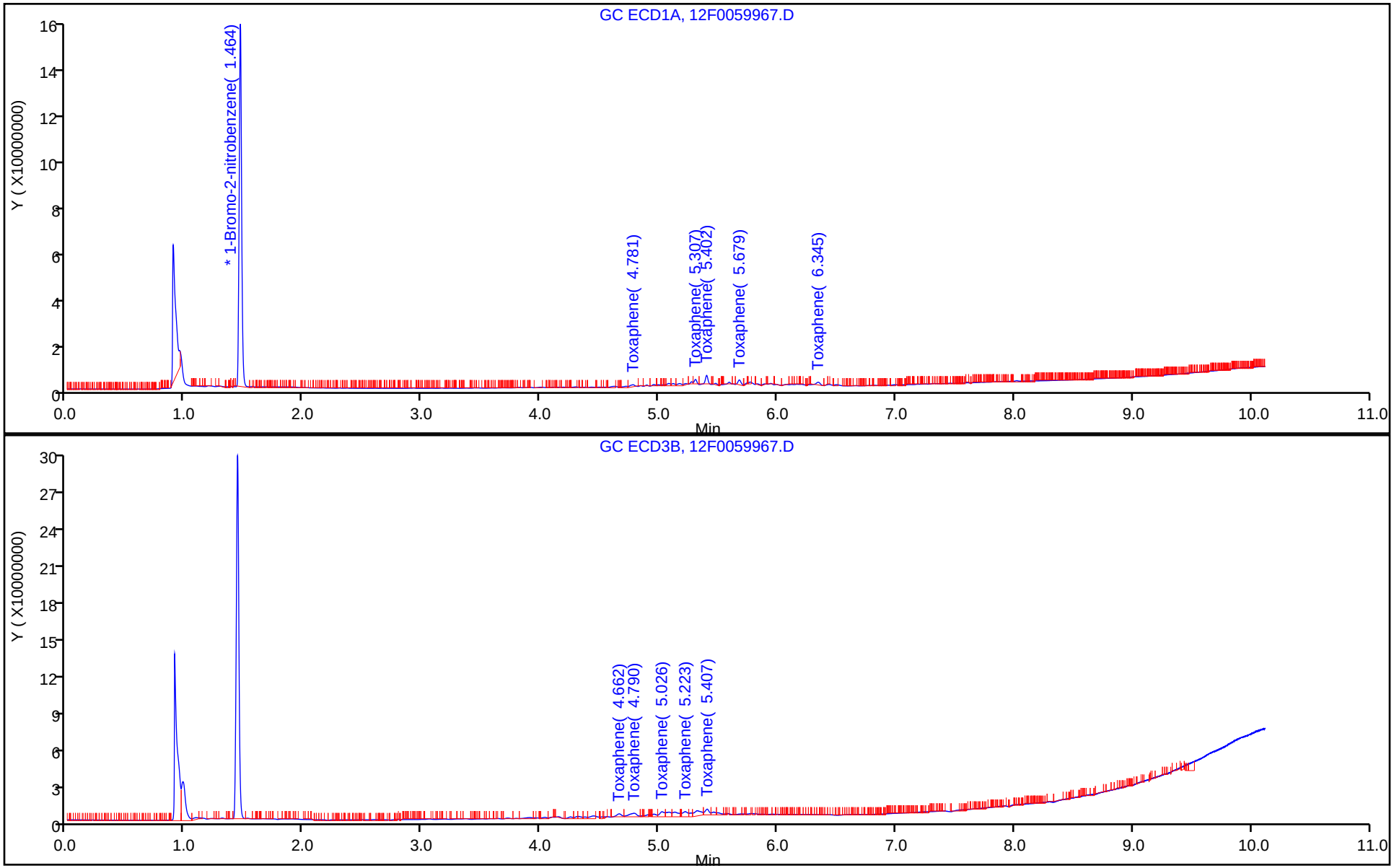
SGTOXAPHENEL1_00012 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:32:50 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059967.D

Injection Date:	05-Apr-2024 11:18:34	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 08-Apr-2024 03:32:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059967.D

Injection Date: 05-Apr-2024 11:18:34 Instrument ID: CPESTGC12

Lims ID: IC

Client ID:

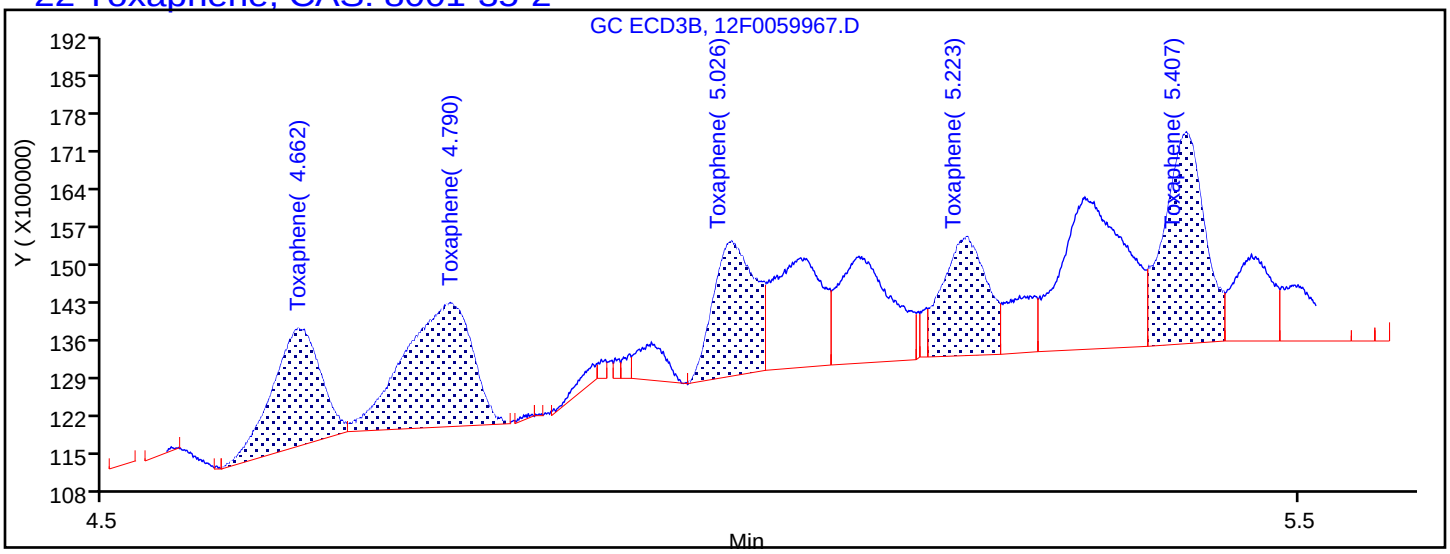
Operator ID: ALS Bottle#: 16 Worklist Smp#: 16

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

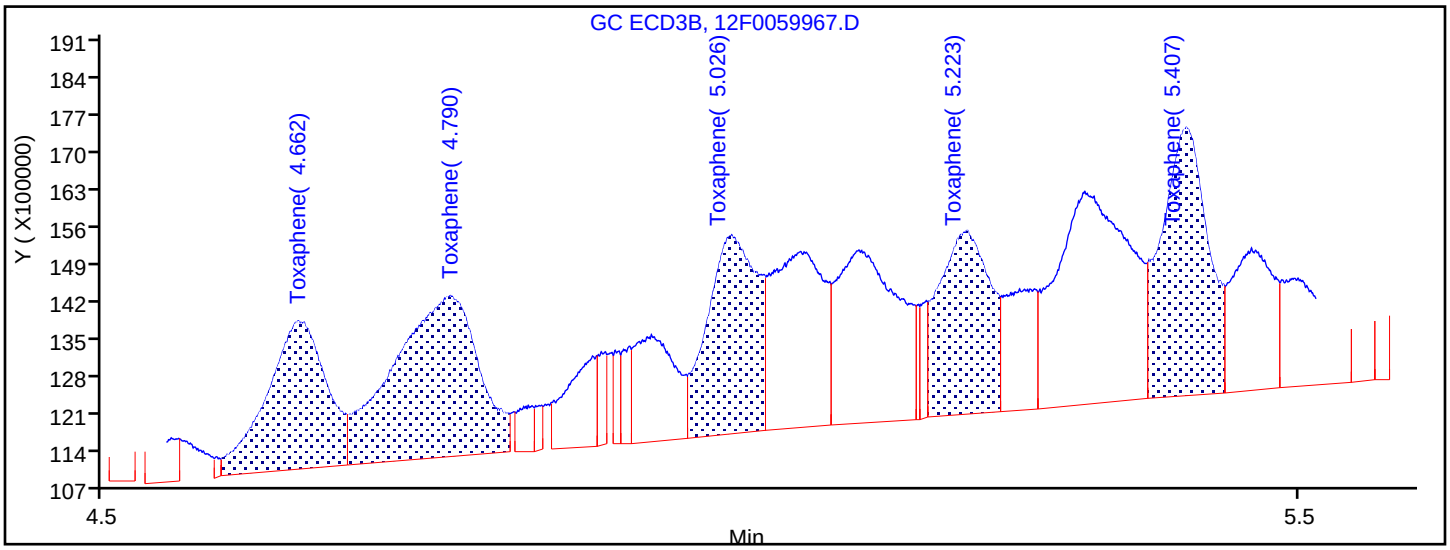
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.662	Response = 6191768
4.790	Response = 9070296
5.026	Response = 6052881
5.223	Response = 5657536
5.407	Response = 9301849



Manual Integration Results

4.662	Response = 9789018	M
4.790	Response = 15365620	M
5.026	Response = 10906037	M
5.223	Response = 10255649	M
5.407	Response = 13643402	M

Reviewer: ESS0, 08-Apr-2024 03:17:26 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059968.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Apr-2024 11:30:48 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-017
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:00 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:12:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.464	1.464	0.000	278712648	100.0	100.0	
2	1.441	1.440	0.001	551268388	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.781	4.780	0.001	33633378	500.0	496.8	M
1	5.307	5.307	0.000	50527532	500.0	497.9	M
1	5.402	5.401	0.001	92762467	500.0	502.2	M
1	5.678	5.677	0.001	55882718	500.0	505.9	M
1	6.344	6.342	0.002	59218298	500.0	508.5	M
		Average of Peak Amounts =				502.2	
2	4.663	4.662	0.001	138406742	500.0	439.4	M
2	4.788	4.789	-0.001	193782084	500.0	445.1	M
2	5.024	5.026	-0.002	114083048	500.0	454.5	M
2	5.221	5.221	0.000	101304395	500.0	428.3	M
2	5.404	5.405	-0.001	119865199	500.0	422.2	M
		Average of Peak Amounts =				437.9	
						RPD = 13.69	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

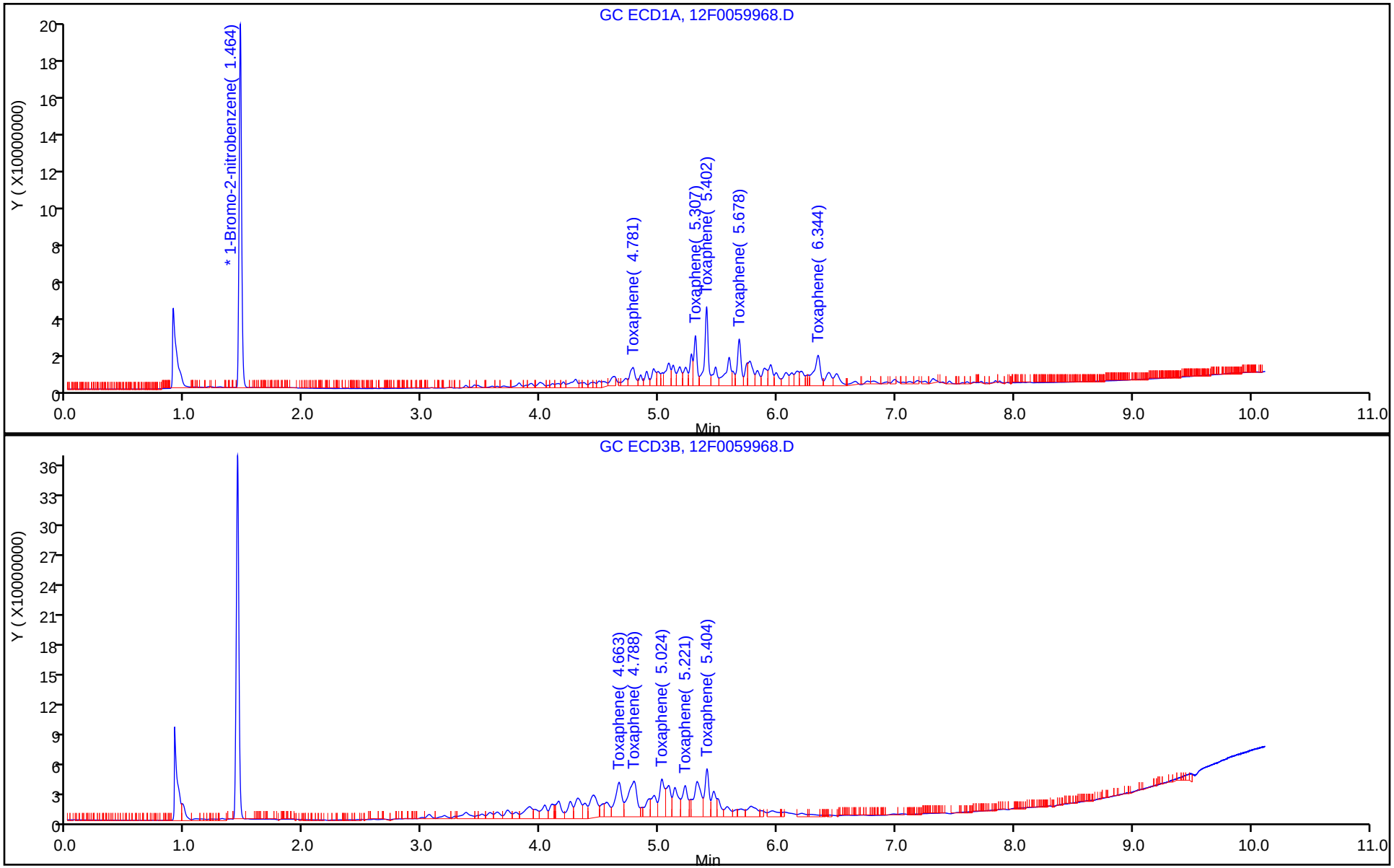
SGTOXAPHENEL3_00011 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:33:03 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059968.D

Injection Date:	05-Apr-2024 11:30:48	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		

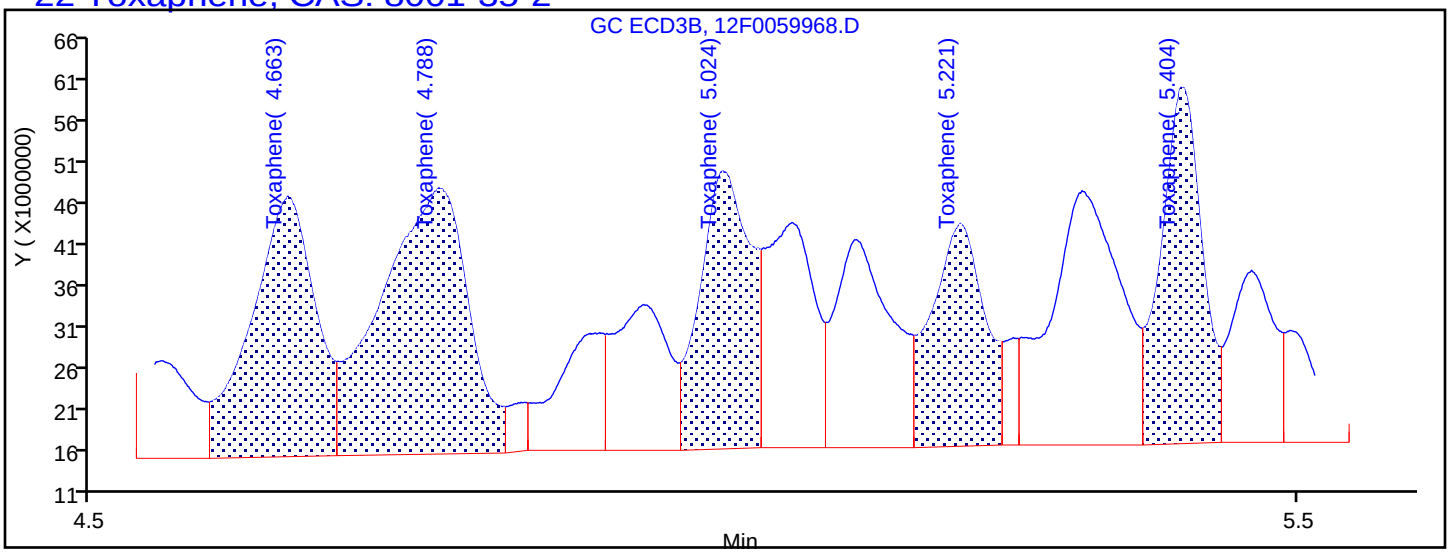


Report Date: 08-Apr-2024 03:33:03 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

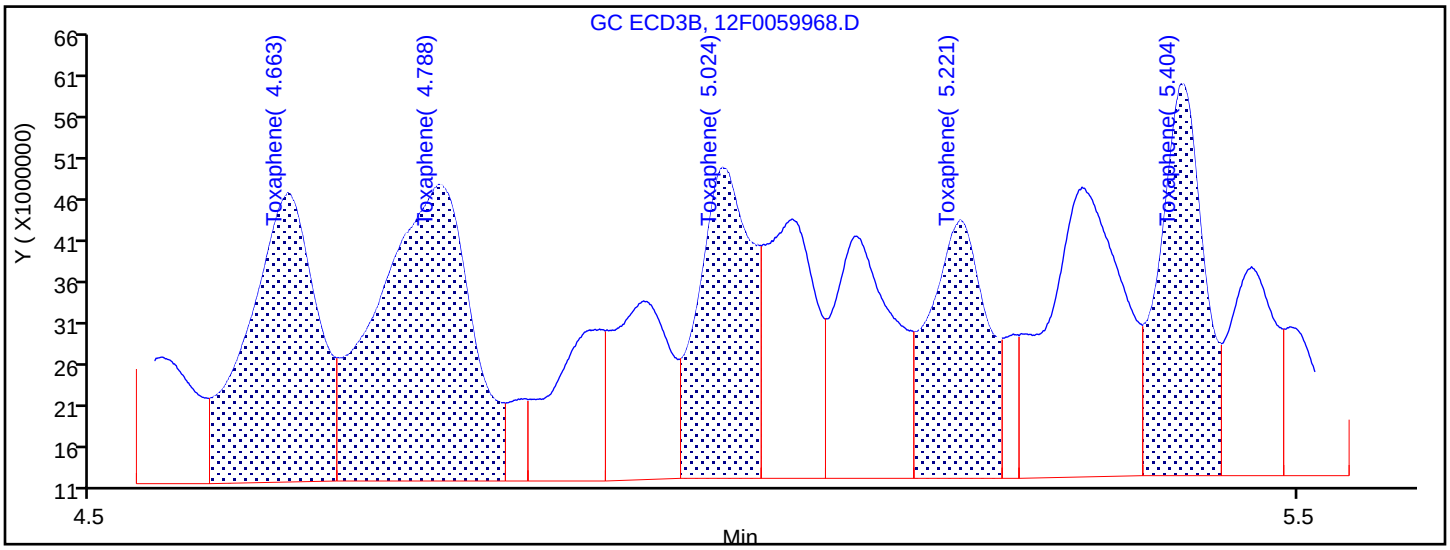
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059968.D
Injection Date: 05-Apr-2024 11:30:48 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.663	Response = 115812646
4.788	Response = 162516994
5.024	Response = 97786661
5.221	Response = 82752758
5.404	Response = 102667918



Manual Integration Results

4.663	Response = 138406742	M
4.788	Response = 193782084	M
5.024	Response = 114083048	M
5.221	Response = 101304395	M
5.404	Response = 119865199	M

Reviewer: ESS0, 08-Apr-2024 03:12:00 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059969.D
Lims ID: IC
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Apr-2024 11:43:02 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-018
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:12 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:12:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	224150172	100.0	100.0	
2	1.442	1.442	0.000	369541900	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.780	4.780	0.000	57899785	1000.0	1063.4	M
1	5.307	5.307	0.000	88055704	1000.0	1078.8	M
1	5.401	5.401	0.000	158203829	1000.0	1065.0	M
1	5.677	5.677	0.000	95900032	1000.0	1079.4	M
1	6.342	6.342	0.000	102951422	1000.0	1099.2	M
		Average of Peak Amounts =				1077.2	
2	4.662	4.662	0.000	262710660	1000.0	1244.2	M
2	4.789	4.789	0.000	349936240	1000.0	1198.9	M
2	5.026	5.026	0.000	183068513	1000.0	1087.9	M
2	5.221	5.221	0.000	182866237	1000.0	1153.3	M
2	5.405	5.405	0.000	208148030	1000.0	1093.7	M
		Average of Peak Amounts =				1155.6	
						RPD = 7.03	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

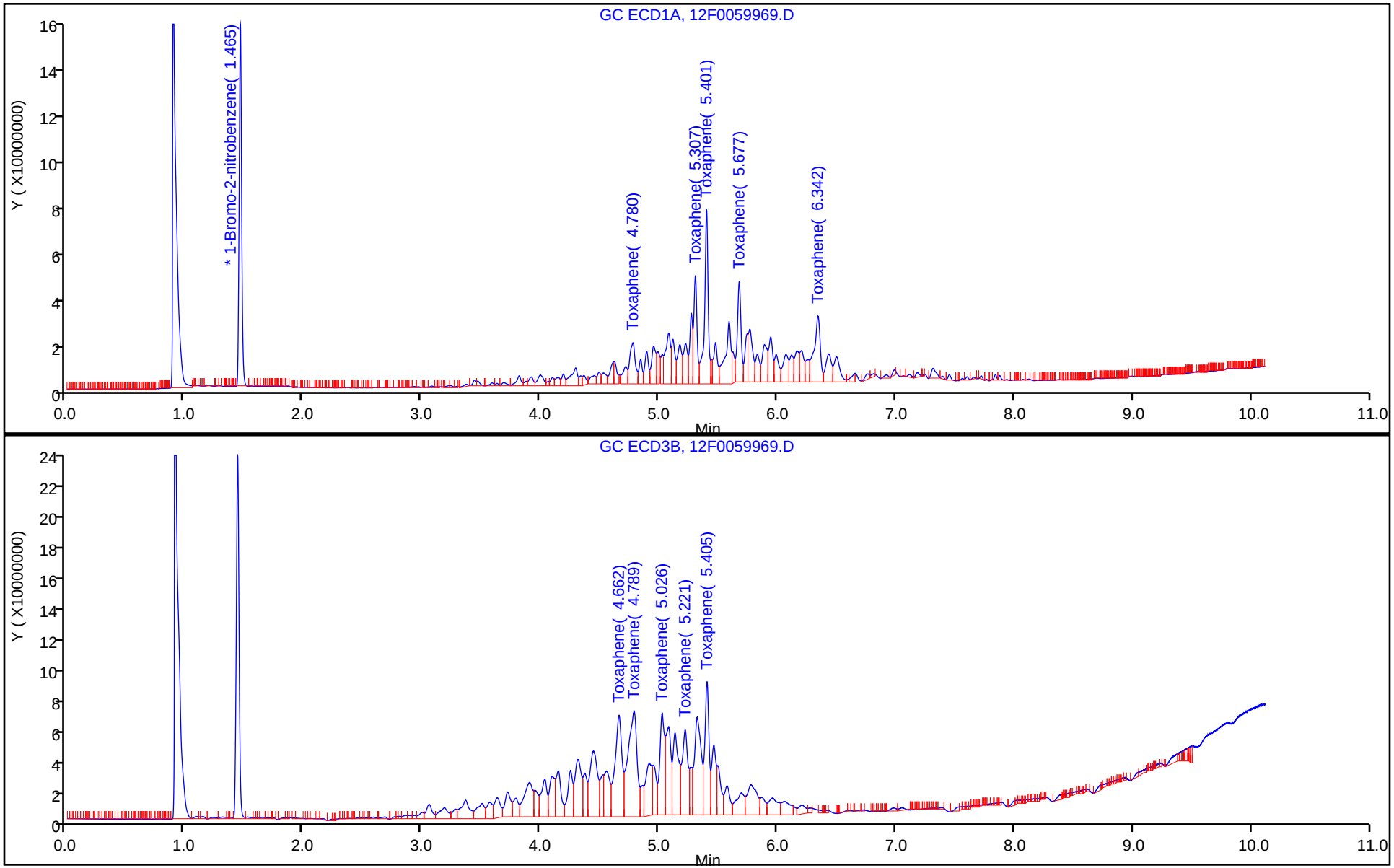
SGTOXAPHENEL4_00012 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:33:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059969.D

Injection Date:	05-Apr-2024 11:43:02	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 08-Apr-2024 03:33:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059969.D

Injection Date: 05-Apr-2024 11:43:02 Instrument ID: CPESTGC12

Lims ID: IC

Client ID:

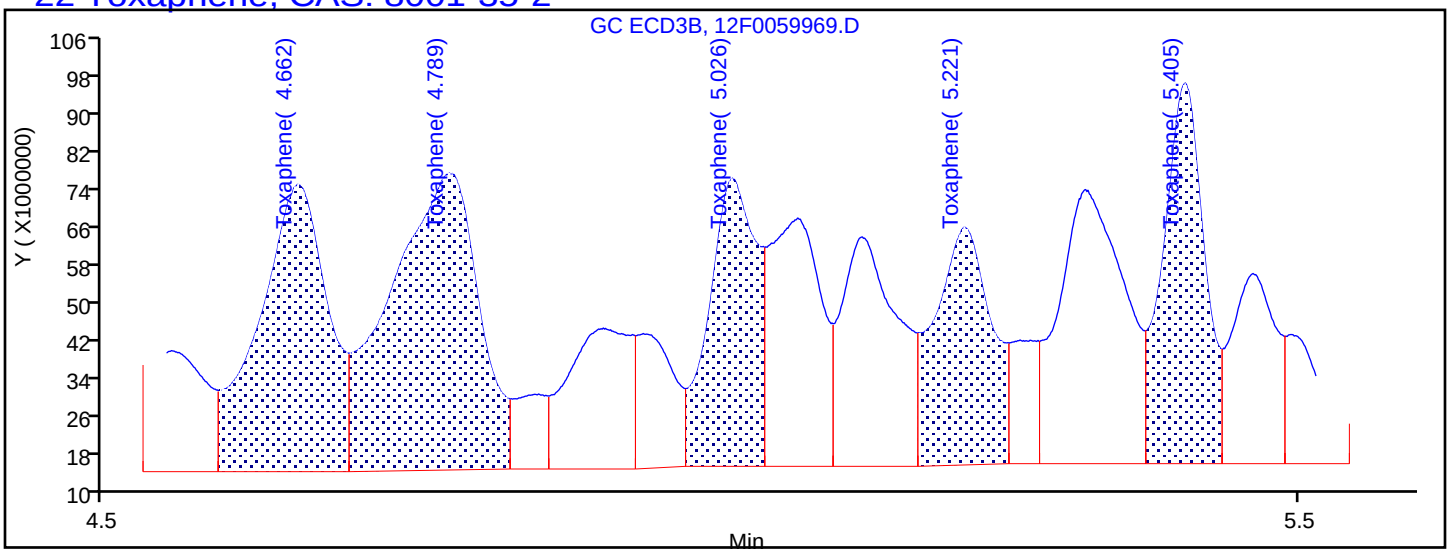
Operator ID: ALS Bottle#: 18 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

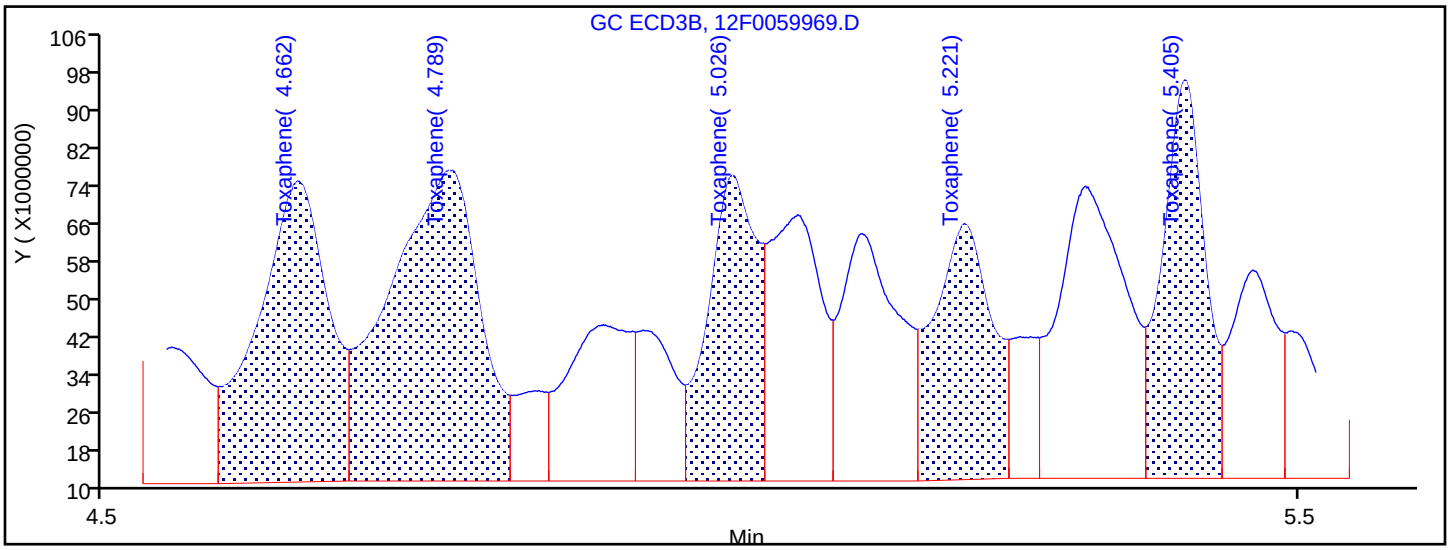
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.662	Response = 242365418
4.789	Response = 323504102
5.026	Response = 168626695
5.221	Response = 165457666
5.405	Response = 192935588



Manual Integration Results

4.662	Response = 262710660	M
4.789	Response = 349936240	M
5.026	Response = 183068513	M
5.221	Response = 182866237	M
5.405	Response = 208148030	M

Reviewer: ESS0, 08-Apr-2024 03:12:23 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059970.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Apr-2024 11:55:20 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-019
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:23 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:12:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	272957915	100.0	100.0	
2	1.442	1.442	0.000	505973545	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.780	4.780	0.000	110365606	1500.0	1664.6	M
1	5.308	5.307	0.001	160169279	1500.0	1611.4	M
1	5.402	5.401	0.001	293919850	1500.0	1624.8	M
1	5.678	5.677	0.001	179122539	1500.0	1655.7	M
1	6.344	6.342	0.002	187204773	1500.0	1641.3	M
		Average of Peak Amounts =				1639.6	
2	4.661	4.662	-0.001	486639732	1500.0	1683.3	M
2	4.790	4.789	0.001	644018576	1500.0	1611.5	M
2	5.025	5.026	-0.001	347652450	1500.0	1508.9	M
2	5.222	5.221	0.001	320387210	1500.0	1475.8	M
2	5.407	5.405	0.002	383007844	1500.0	1469.8	M
		Average of Peak Amounts =				1549.9	
						RPD = 5.62	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

SGTOXAPHENEL5_00011 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:33:26 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059970.D

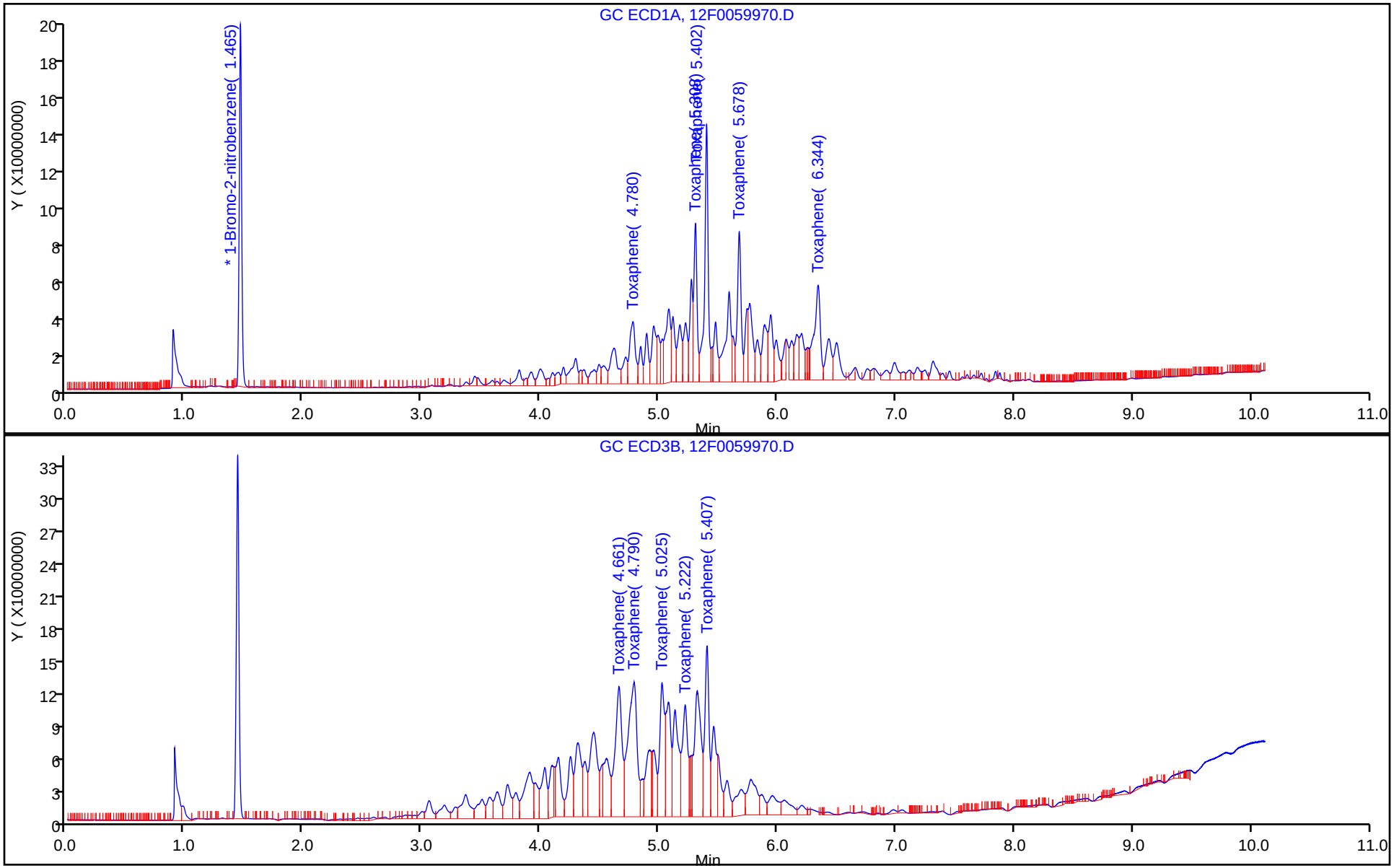
Injection Date: 05-Apr-2024 11:55:20 Instrument ID: CPESTGC12 Operator ID:

Lims ID: IC Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 19

Method: GC8081 Limit Group: GC 8081B PEST ISTD

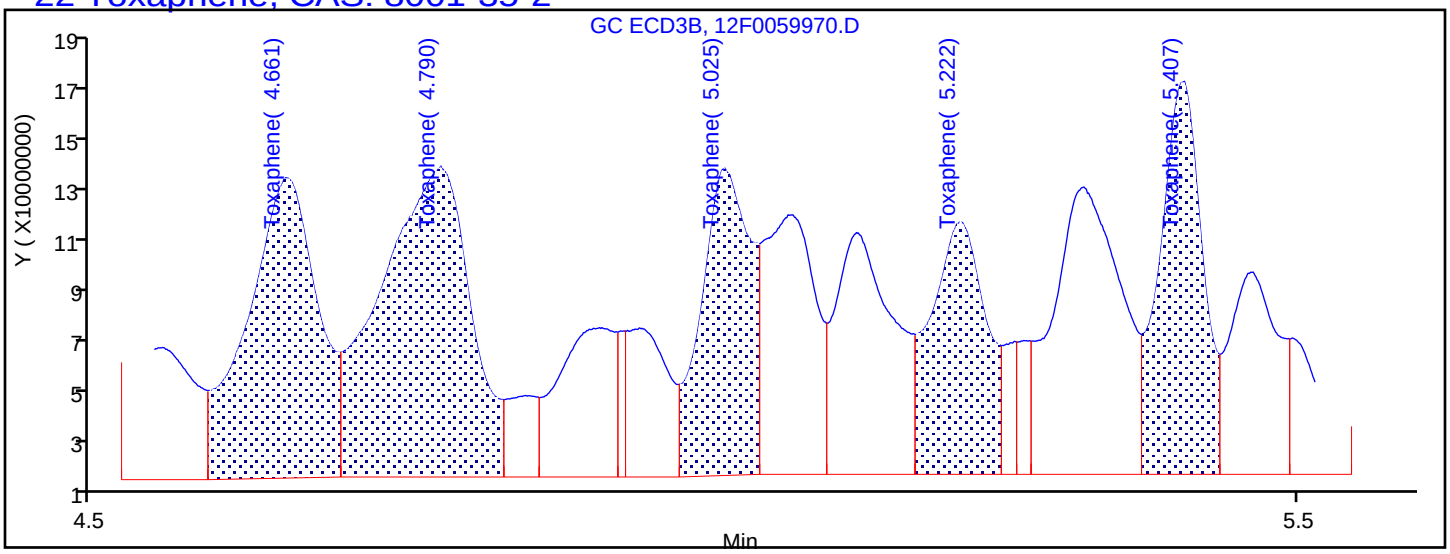


Report Date: 08-Apr-2024 03:33:27 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

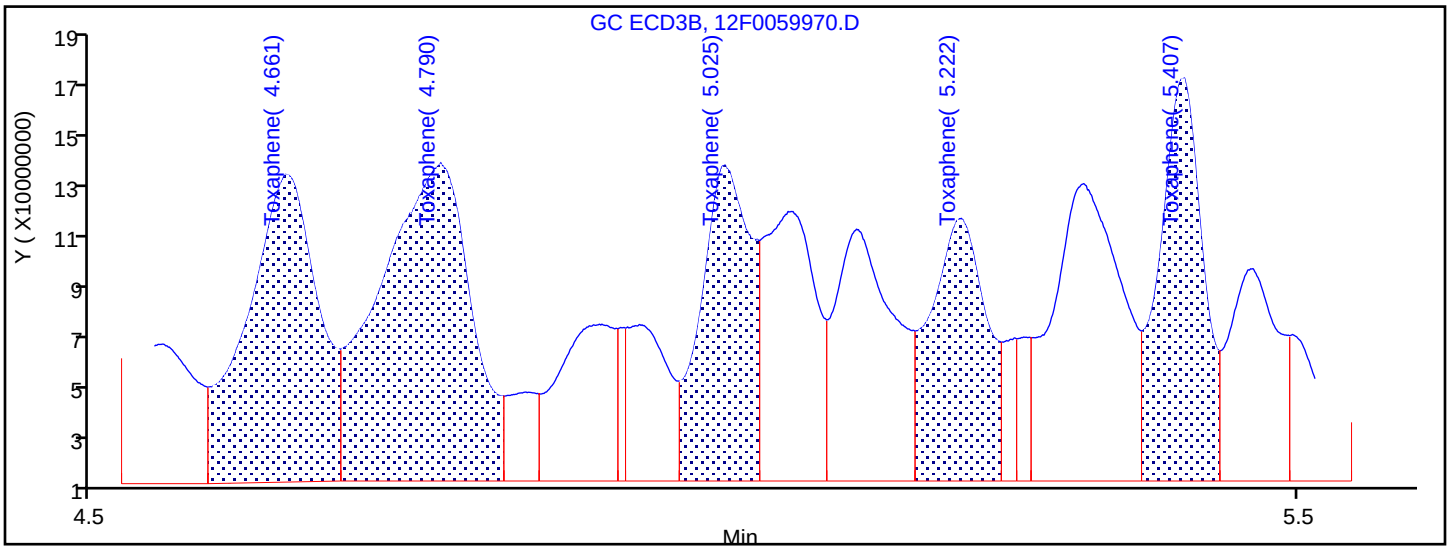
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059970.D
Injection Date: 05-Apr-2024 11:55:20 Instrument ID: CPESTGC12
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.661	Response = 467899280
4.790	Response = 619317167
5.025	Response = 333828736
5.222	Response = 304806824
5.407	Response = 368284315



Manual Integration Results

4.661	Response = 486639732	M
4.790	Response = 644018576	M
5.025	Response = 347652450	M
5.222	Response = 320387210	M
5.407	Response = 383007844	M

Reviewer: ESS0, 08-Apr-2024 03:12:41 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Apr-2024 12:07:38 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-020
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:35 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:13:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.466	1.465	0.001	268158696	100.0	100.0	
2	1.442	1.442	0.000	519691333	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.781	4.780	0.001	164551508	2500.0	2526.3	M
1	5.307	5.307	0.000	236761428	2500.0	2424.6	M
1	5.403	5.401	0.002	434641084	2500.0	2445.8	M
1	5.678	5.677	0.001	271362528	2500.0	2553.1	M
1	6.344	6.342	0.002	301703964	2500.0	2692.5	M
		Average of Peak Amounts =				2528.5	
2	4.663	4.662	0.001	712370239	2500.0	2399.1	M
2	4.790	4.789	0.001	958115424	2500.0	2334.2	M
2	5.025	5.026	-0.001	523944744	2500.0	2214.1	M
2	5.222	5.221	0.001	499907185	2500.0	2242.0	M
2	5.406	5.405	0.001	570407369	2500.0	2131.2	M
		Average of Peak Amounts =				2264.1	
						RPD = 11.03	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

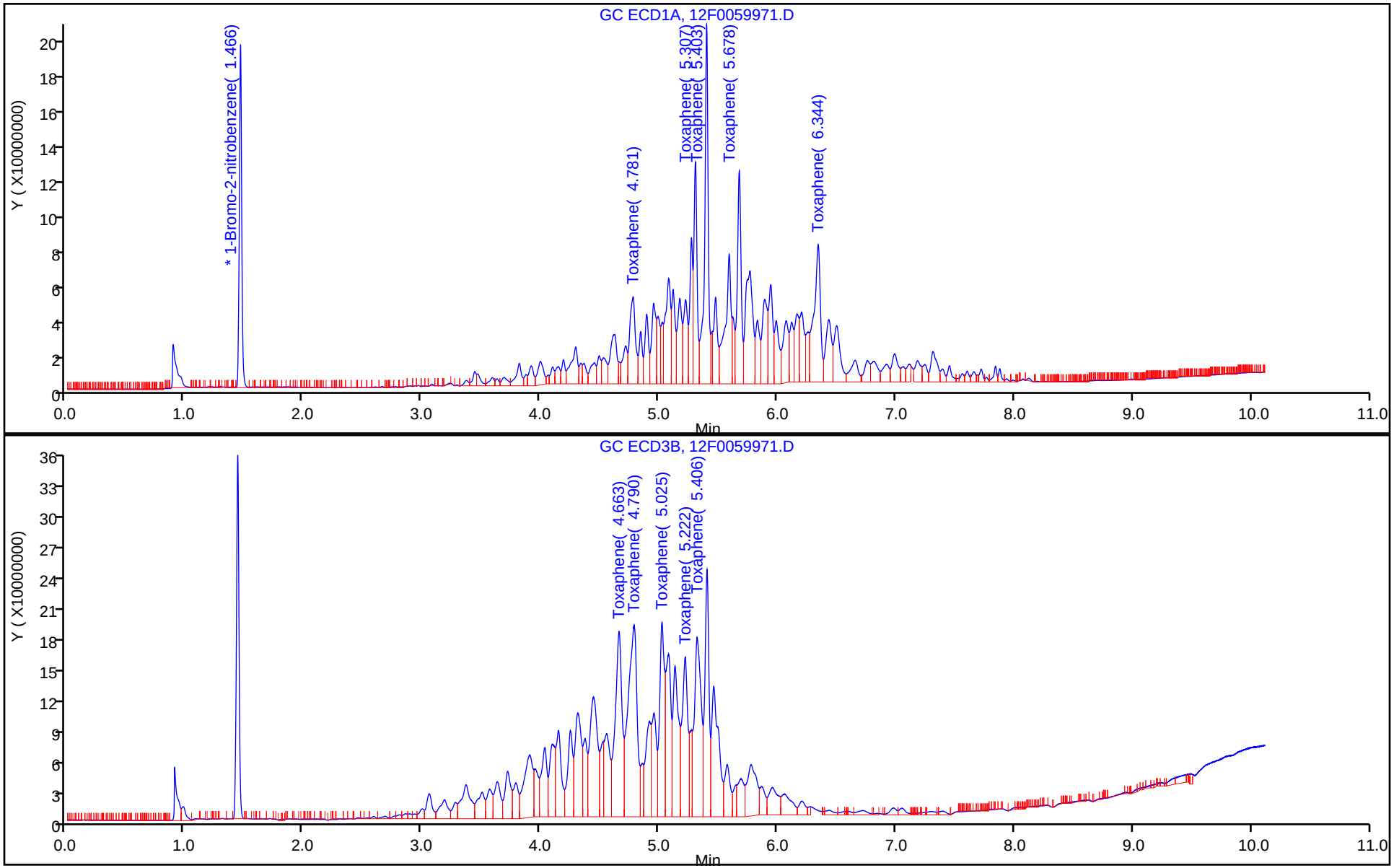
SGTOXAPHENEL6_00011 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:33:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Injection Date:	05-Apr-2024 12:07:38	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 08-Apr-2024 03:33:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Injection Date: 05-Apr-2024 12:07:38 Instrument ID: CPESTGC12

Lims ID: IC

Client ID:

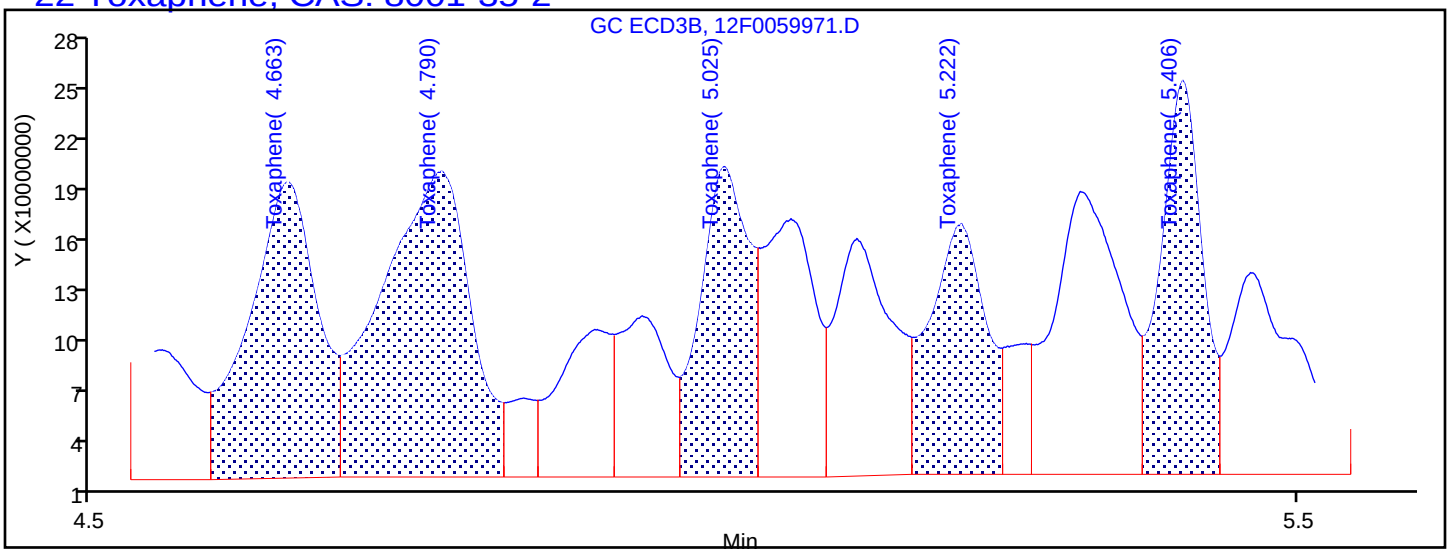
Operator ID: ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

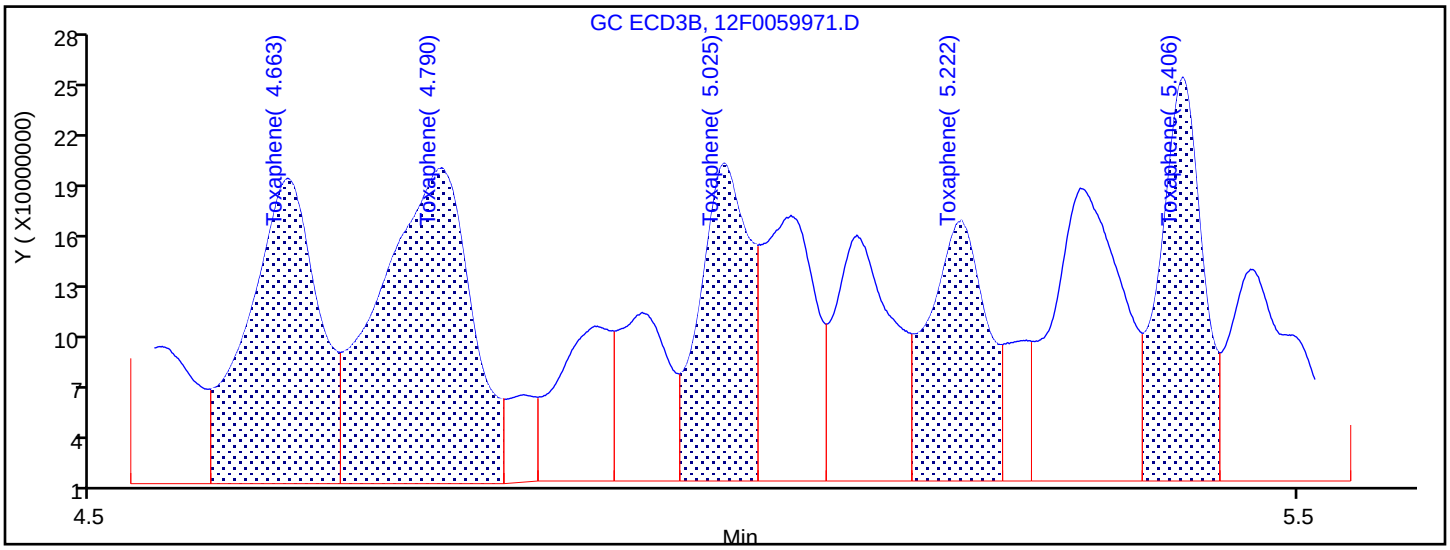
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.663	Response = 683595031
4.790	Response = 919513705
5.025	Response = 503078876
5.222	Response = 474390594
5.406	Response = 547327127



Manual Integration Results

4.663	Response = 712370239	M
4.790	Response = 958115424	M
5.025	Response = 523944744	M
5.222	Response = 499907185	M
5.406	Response = 570407369	M

Reviewer: ESS0, 08-Apr-2024 03:12:58 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Calibration / Toxaphene Peak 1

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

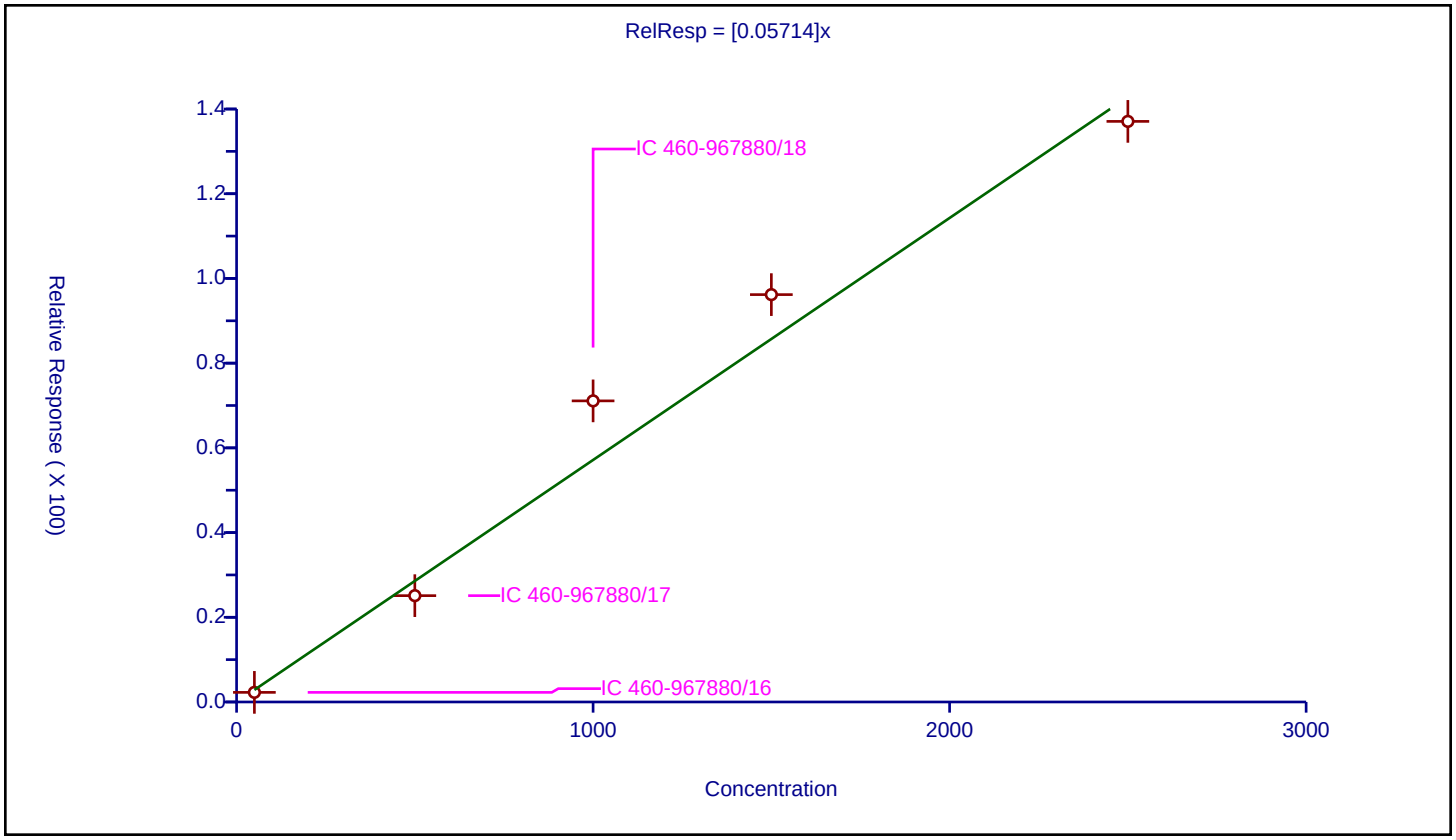
Curve Coefficients

Intercept:	0
Slope:	0.05714

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	2.271558	100.0	430938511.0	0.045431	Y
2	IC 460-967880/17	500.0	25.106962	100.0	551268388.0	0.050214	Y
3	IC 460-967880/18	1000.0	71.090899	100.0	369541900.0	0.071091	Y
4	IC 460-967880/19	1500.0	96.178889	100.0	505973545.0	0.064119	Y
5	IC 460-967880/20	2500.0	137.075644	100.0	519691333.0	0.05483	Y



Calibration / Toxaphene Peak 2

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

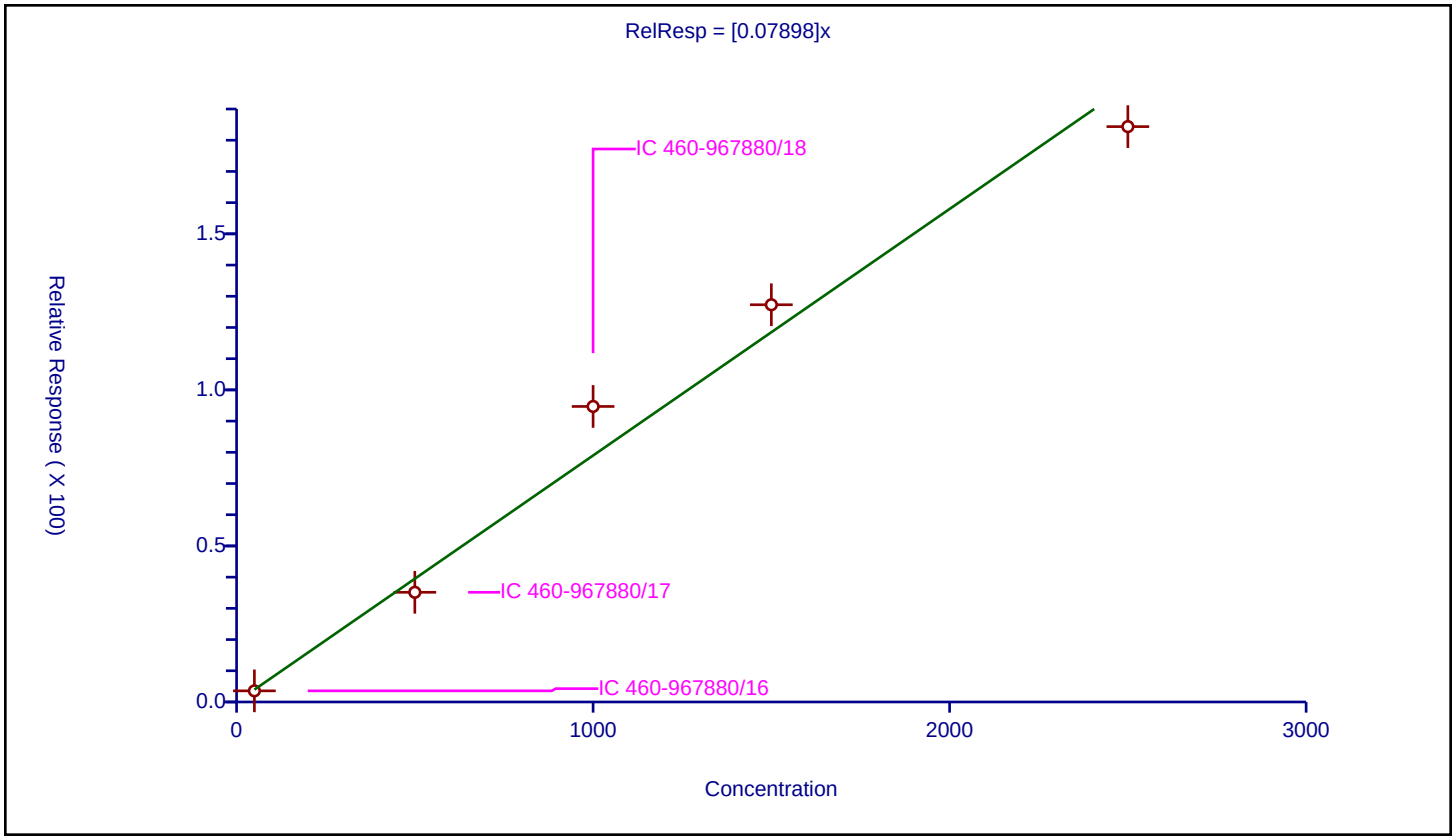
Curve Coefficients

Intercept:	0
Slope:	0.07898

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	3.565618	100.0	430938511.0	0.071312	Y
2	IC 460-967880/17	500.0	35.15204	100.0	551268388.0	0.070304	Y
3	IC 460-967880/18	1000.0	94.694604	100.0	369541900.0	0.094695	Y
4	IC 460-967880/19	1500.0	127.283053	100.0	505973545.0	0.084855	Y
5	IC 460-967880/20	2500.0	184.362402	100.0	519691333.0	0.073745	Y



Calibration / Toxaphene Peak 3

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

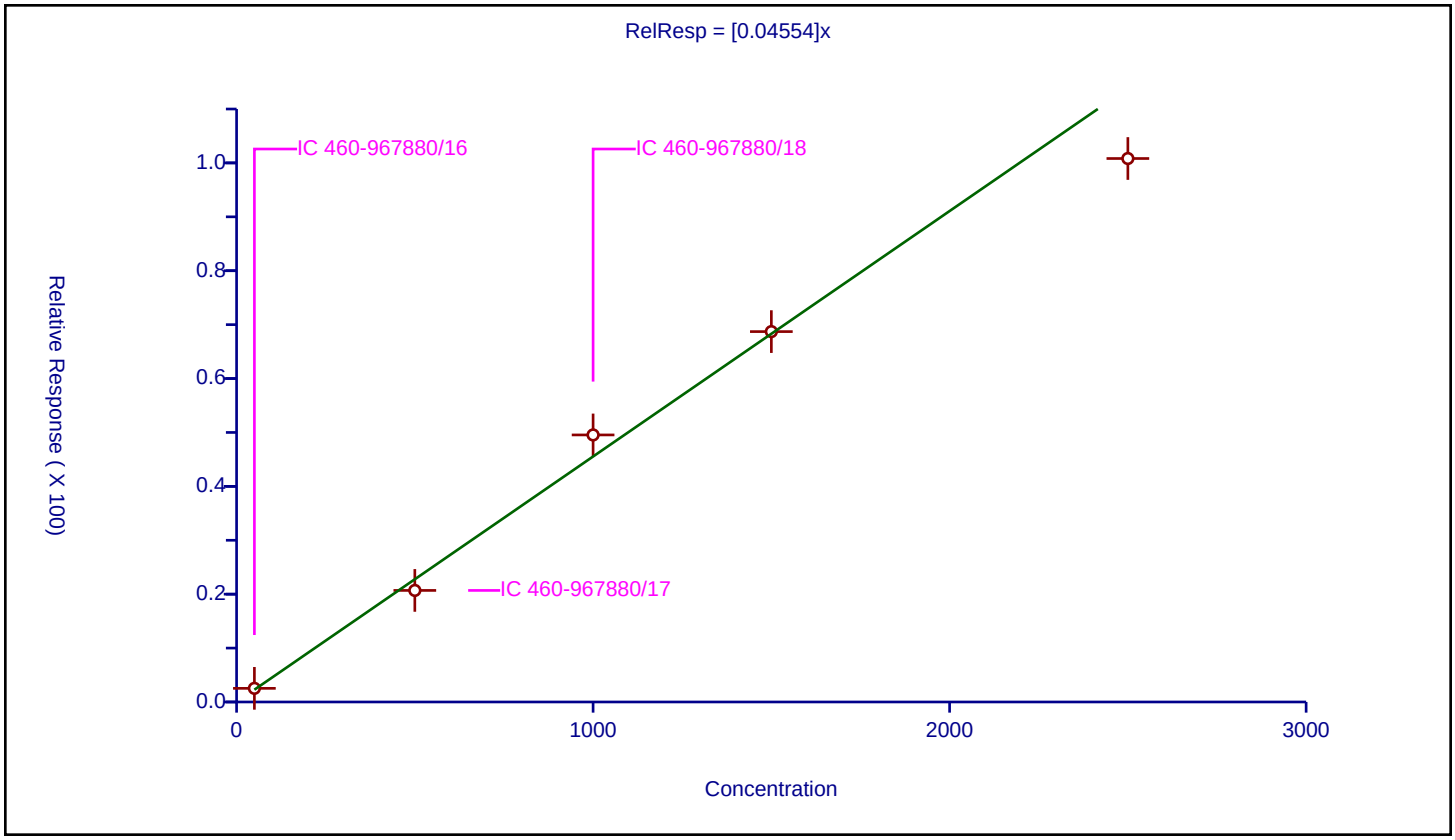
Curve Coefficients

Intercept:	0
Slope:	0.04554

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	2.530764	100.0	430938511.0	0.050615	Y
2	IC 460-967880/17	500.0	20.694647	100.0	551268388.0	0.041389	Y
3	IC 460-967880/18	1000.0	49.539312	100.0	369541900.0	0.049539	Y
4	IC 460-967880/19	1500.0	68.70961	100.0	505973545.0	0.045806	Y
5	IC 460-967880/20	2500.0	100.818449	100.0	519691333.0	0.040327	Y



Calibration / Toxaphene Peak 4

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

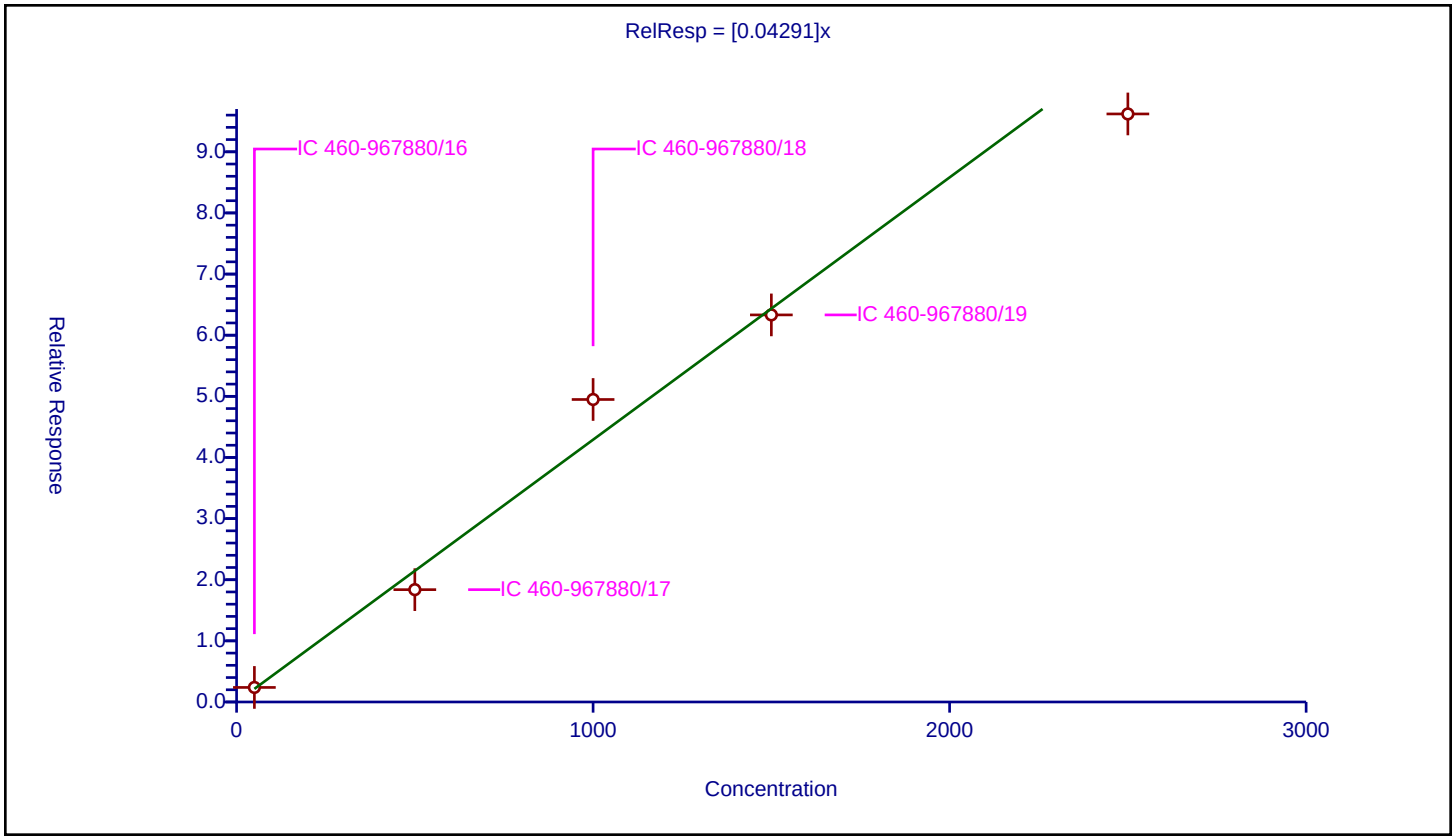
Curve Coefficients

Intercept:	0
Slope:	0.04291

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	2.37984	100.0	430938511.0	0.047597	Y
2	IC 460-967880/17	500.0	18.376602	100.0	551268388.0	0.036753	Y
3	IC 460-967880/18	1000.0	49.484575	100.0	369541900.0	0.049485	Y
4	IC 460-967880/19	1500.0	63.320941	100.0	505973545.0	0.042214	Y
5	IC 460-967880/20	2500.0	96.193096	100.0	519691333.0	0.038477	Y



Calibration / Toxaphene Peak 5

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

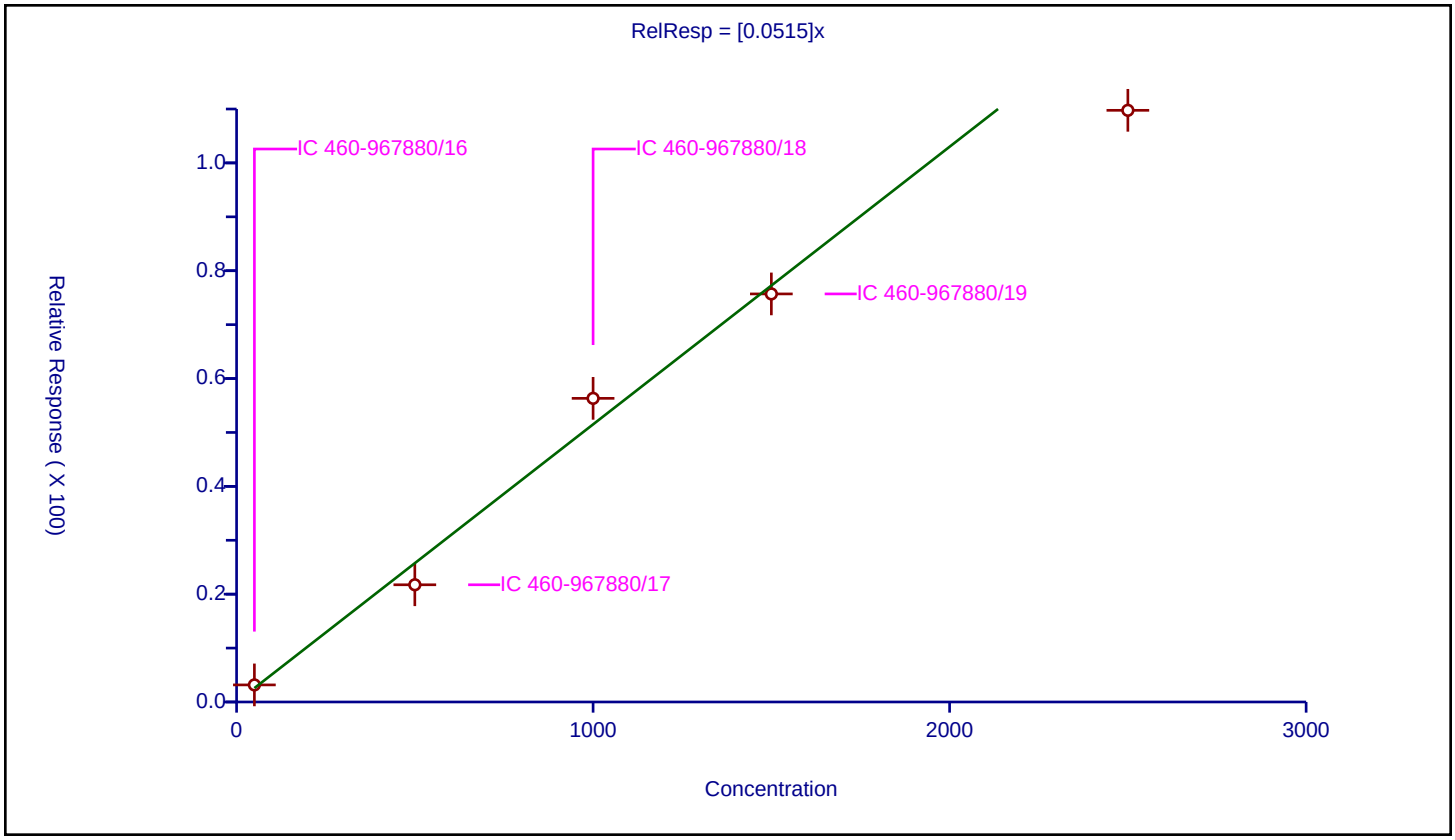
Curve Coefficients

Intercept:	0
Slope:	0.0515

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-967880/16	50.0	3.165974	100.0	430938511.0	0.063319	Y
2	IC 460-967880/17	500.0	21.743528	100.0	551268388.0	0.043487	Y
3	IC 460-967880/18	1000.0	56.325962	100.0	369541900.0	0.056326	Y
4	IC 460-967880/19	1500.0	75.697207	100.0	505973545.0	0.050465	Y
5	IC 460-967880/20	2500.0	109.758877	100.0	519691333.0	0.043904	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID (2): CCVIS 460-974654/3 Instrument ID (2): CPESTGC12

GC Column (2): CLP-2 ID: 0.53(mm) Date Analyzed (2): 05/14/2024 02:40

ANALYTE	RT	RESOLUTION (%)
Tetrachloro-m-xylene	1.93	100.00
Methoxychlor	6.52	99.70

Resolution Report

Eurofins Edison

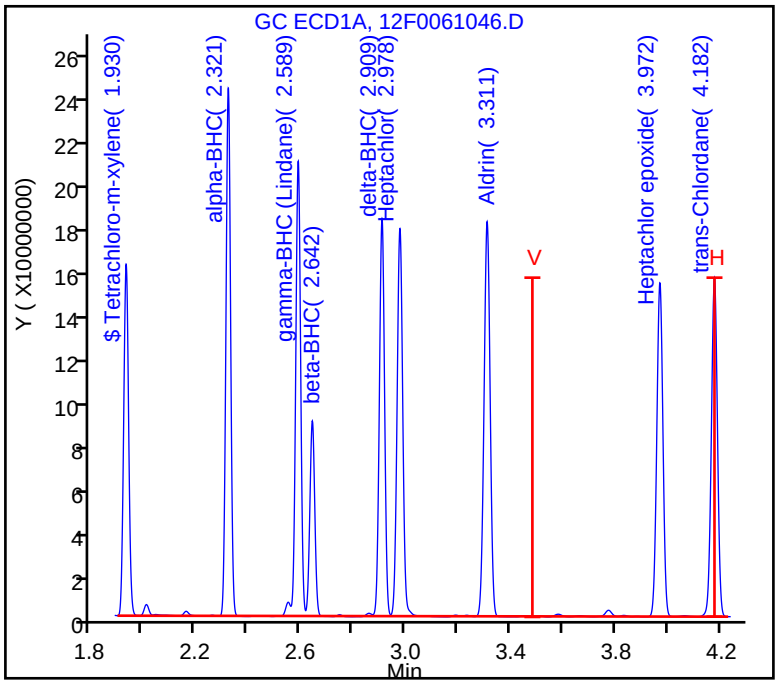
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

$ 4 Tetrachloro-m-xylene - 9 trans-Chlordane

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 150829184
H(Smaller Peak Height) = 150702496

%Resolution = 100.0, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins Edison

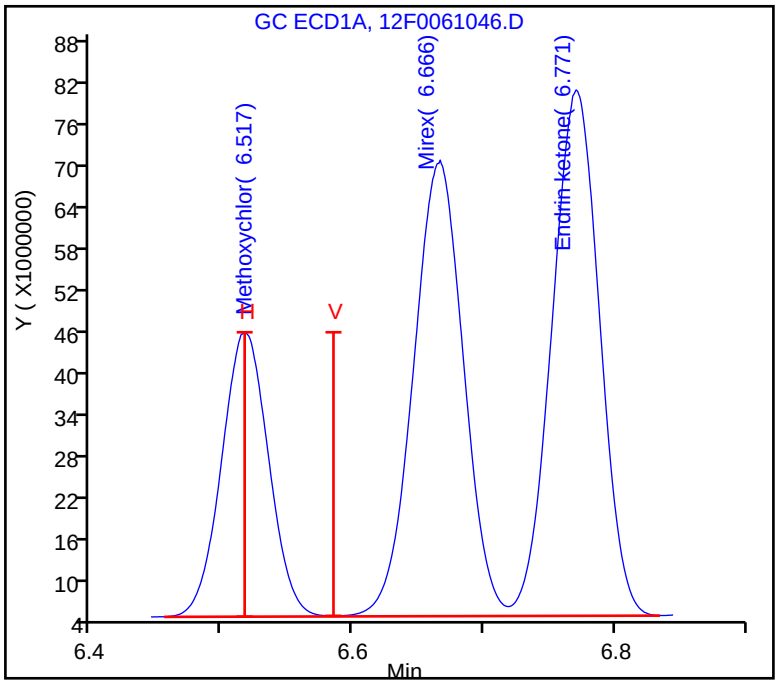
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

10 Methoxychlor - 13 Endrin ketone

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 40817952
H(Smaller Peak Height) = 40937144

%Resolution = 99.7, Min. Resolution > 60.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID (1): CCVIS 460-974654/3 Instrument ID (1): CPESTGC12

GC Column (1): Rtx-CLP ID: 0.53(mm) Date Analyzed (1): 05/14/2024 02:40

ANALYTE	RT	RESOLUTION (%)
Tetrachloro-m-xylene	1.80	100.00
Methoxychlor	5.29	99.30

Resolution Report

Eurofins Edison

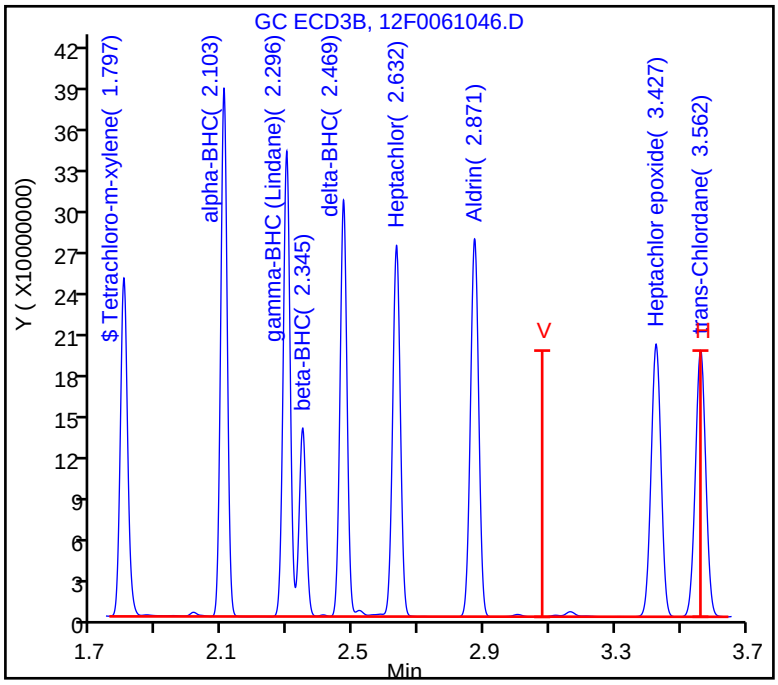
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

$ 4 Tetrachloro-m-xylene - 9 trans-Chlordane

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 191078064
H(Smaller Peak Height) = 190975744

%Resolution = 100.0, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins Edison

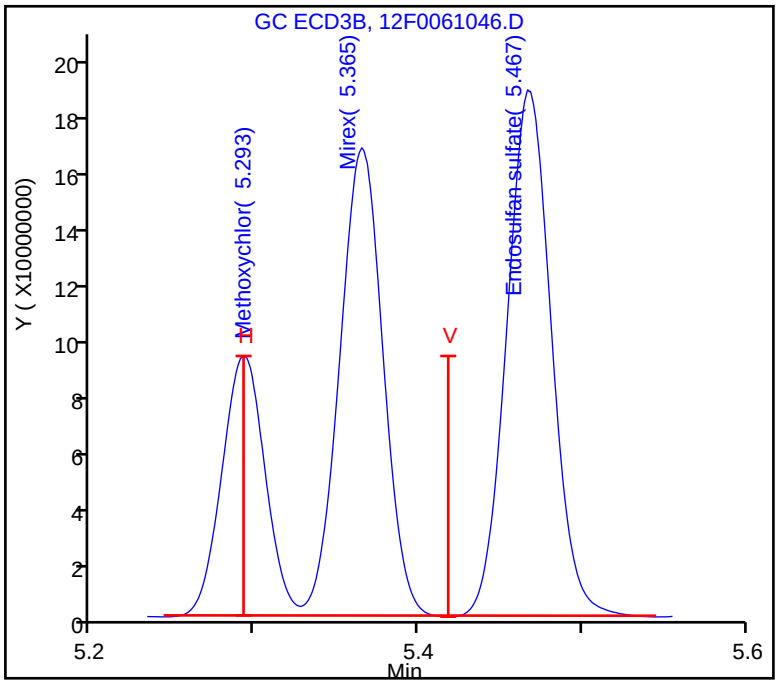
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

10 Methoxychlor - 3 Endosulfan sulfate

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 85972248
H(Smaller Peak Height) = 86569104

%Resolution = 99.3, Min. Resolution > 60.0
Passed



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: PEM 460-974654/2 Calibration Date: 05/14/2024 02:28

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0061045.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.09	510961158	9.18	15	
Endrin aldehyde	5.64	25384095			
Endrin ketone	6.77	26232749			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	5.53	446488904	7.01	15	
4,4'-DDD	5.22	13682370			
4,4'-DDE	4.58	19988025			

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061045.D
Lims ID: PEM
Client ID:
Sample Type: PEM
Inject. Date: 14-May-2024 02:28:40 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-002
Operator ID: Instrument ID: CPESTGC12
Sublist:

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:44:07 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.460	1.457	0.003	187806644	100.0	100.0	
2	1.435	1.435	0.000	353392100	100.0	100.0	
						RPD = 0.00	
25 4,4'-DDE							
1	4.584	4.582	0.002	19988025		8.35	
2	3.803	3.801	0.002	31898587		7.30	
						RPD = 13.53	
20 Endrin							
1	5.092	5.090	0.002	510961158	250.0	221.4	
2	4.364	4.363	0.001	869494108	250.0	215.8	
						RPD = 2.55	
16 4,4'-DDD							
1	5.218	5.217	0.001	13682370		6.67	
2	4.464	4.461	0.003	21740429		6.17	
						RPD = 7.88	
21 4,4'-DDT							
1	5.531	5.529	0.002	446488904	250.0	218.9	
2	4.794	4.792	0.002	744547650	250.0	204.3	
						RPD = 6.92	
5 Endrin aldehyde							
1	5.643	5.641	0.002	25384095		16.6	
2	5.066	5.065	0.001	43770122		15.2	
						RPD = 9.24	
13 Endrin ketone							
1	6.774	6.771	0.003	26232749		13.5	
2	5.740	5.740	0.000	48179731		13.6	
						RPD = 1.30	

Reagents:

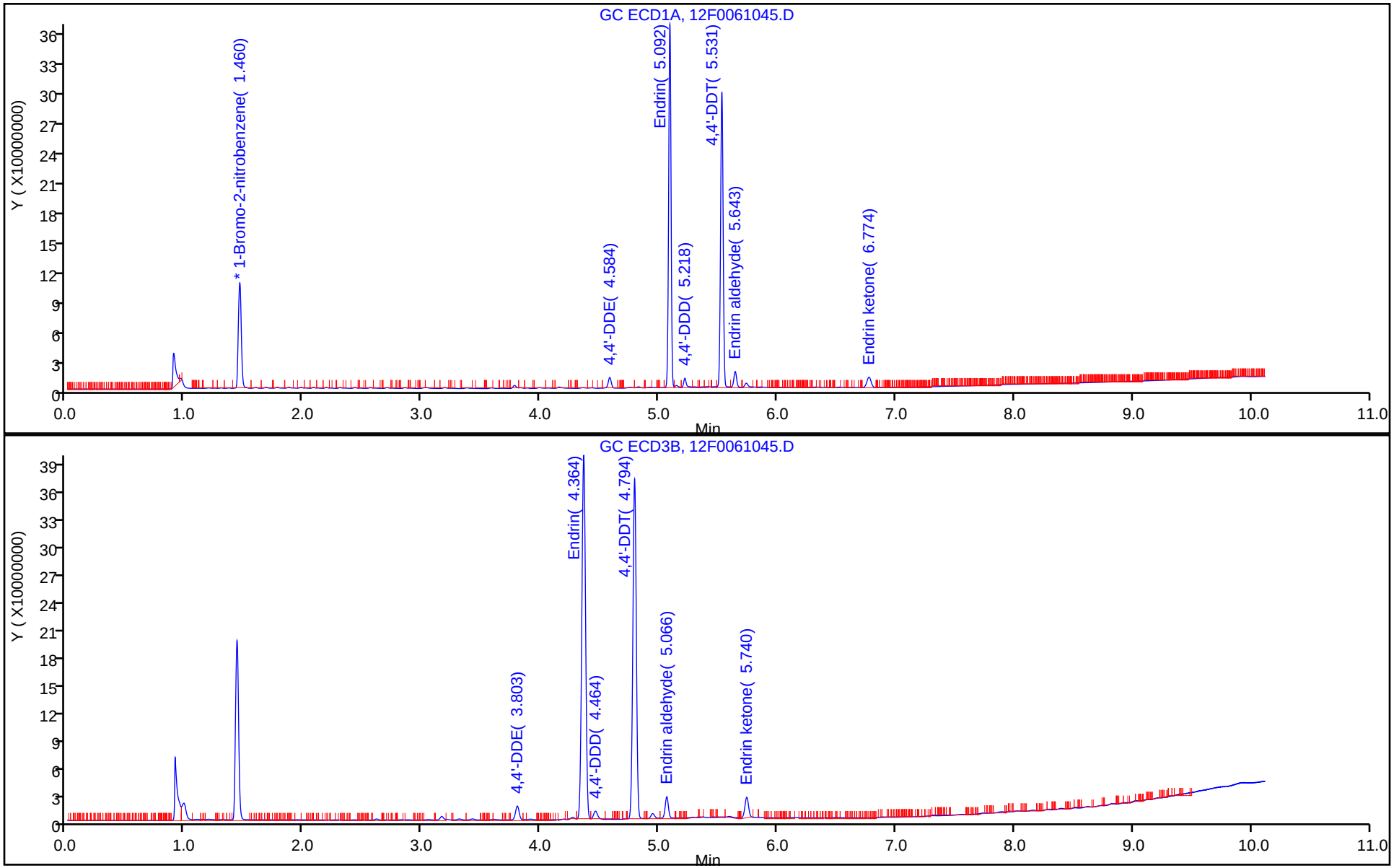
SGDDT/Ei_00045	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 14-May-2024 04:45:02 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061045.D

Injection Date:	14-May-2024 02:28:40	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	PEM			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: PEM 460-974654/2 Calibration Date: 05/14/2024 02:28

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0061045.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.36	869494108	9.56	15	
Endrin aldehyde	5.07	43770122			
Endrin ketone	5.74	48179731			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	4.79	744547650	6.72	15	
4,4'-DDD	4.46	21740429			
4,4'-DDE	3.80	31898587			

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061045.D
Lims ID: PEM
Client ID:
Sample Type: PEM
Inject. Date: 14-May-2024 02:28:40 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-002
Operator ID: Instrument ID: CPESTGC12
Sublist:

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:44:07 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.460	1.457	0.003	187806644	100.0	100.0	
2	1.435	1.435	0.000	353392100	100.0	100.0	
						RPD = 0.00	
25 4,4'-DDE							
1	4.584	4.582	0.002	19988025		8.35	
2	3.803	3.801	0.002	31898587		7.30	
						RPD = 13.53	
20 Endrin							
1	5.092	5.090	0.002	510961158	250.0	221.4	
2	4.364	4.363	0.001	869494108	250.0	215.8	
						RPD = 2.55	
16 4,4'-DDD							
1	5.218	5.217	0.001	13682370		6.67	
2	4.464	4.461	0.003	21740429		6.17	
						RPD = 7.88	
21 4,4'-DDT							
1	5.531	5.529	0.002	446488904	250.0	218.9	
2	4.794	4.792	0.002	744547650	250.0	204.3	
						RPD = 6.92	
5 Endrin aldehyde							
1	5.643	5.641	0.002	25384095		16.6	
2	5.066	5.065	0.001	43770122		15.2	
						RPD = 9.24	
13 Endrin ketone							
1	6.774	6.771	0.003	26232749		13.5	
2	5.740	5.740	0.000	48179731		13.6	
						RPD = 1.30	

Reagents:

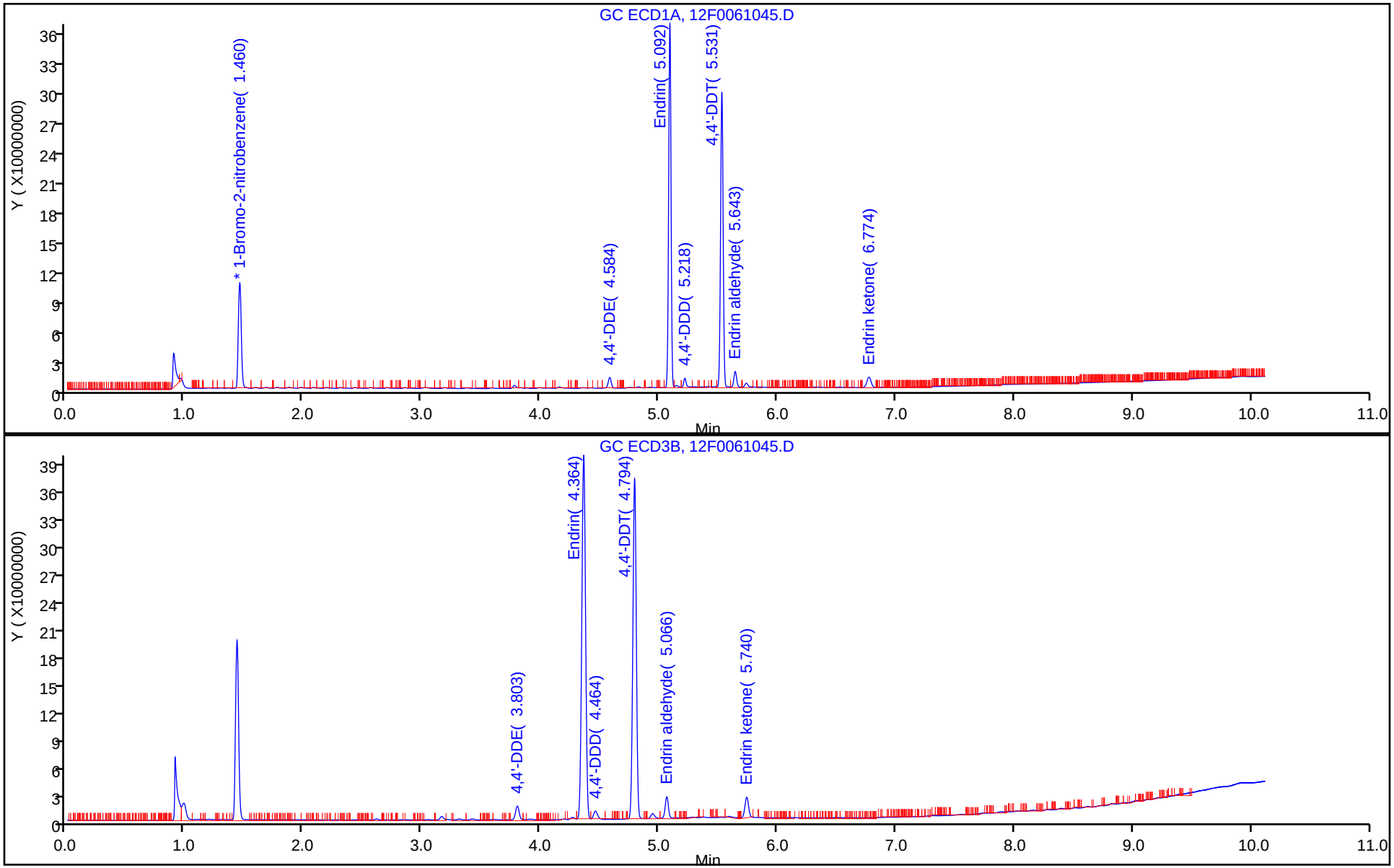
SGDDT/Ei_00045	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 14-May-2024 04:45:03 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061045.D

Injection Date:	14-May-2024 02:28:40	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	PEM			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/9 Calibration Date: 04/05/2024 09:52

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0059960.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.497	1.608		107	100	7.5	20.0
gamma-BHC (Lindane)	Ave	1.347	1.391		103	100	3.3	20.0
beta-BHC	Ave	0.5885	0.5901		100	100	0.3	20.0
delta-BHC	Ave	1.289	1.323		103	100	2.6	20.0
Heptachlor	Ave	1.363	1.417		104	100	4.0	20.0
Aldrin	Ave	1.415	1.422		100	100	0.5	20.0
Heptachlor epoxide	Ave	1.214	1.261		104	100	3.8	20.0
trans-Chlordane	Ave	1.237	1.291		104	100	4.4	20.0
cis-Chlordane	Ave	1.187	1.211		102	100	2.0	20.0
Endosulfan I	Ave	1.115	1.132		102	100	1.5	20.0
4,4'-DDE	Ave	1.274	1.312		103	100	2.9	20.0
Dieldrin	Ave	1.315	1.333		101	100	1.4	20.0
Endrin	Ave	1.229	1.271		103	100	3.4	20.0
4,4'-DDD	Ave	1.092	1.117		102	100	2.3	20.0
Endosulfan II	Ave	1.087	1.151		106	100	5.9	20.0
4,4'-DDT	Ave	1.086	1.129		104	100	3.9	20.0
Endrin aldehyde	Ave	0.8121	0.8363		103	100	3.0	20.0
Endosulfan sulfate	Ave	1.010	1.024		101	100	1.3	20.0
Methoxychlor	Ave	0.6081	0.6520		107	100	7.2	20.0
Mirex	Ave	0.9010	0.9524		106	100	5.7	20.0
Endrin ketone	Ave	1.038	1.035		99.7	100	-0.3	20.0
Tetrachloro-m-xylene	Ave	1.039	1.110		107	100	6.8	20.0
DCB Decachlorobiphenyl	Ave	1.110	1.152		104	100	3.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/9 Calibration Date: 04/05/2024 09:52

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0059960.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.34	2.33	2.35
gamma-BHC (Lindane)	2.61	2.60	2.62
beta-BHC	2.66	2.65	2.67
delta-BHC	2.93	2.92	2.94
Heptachlor	3.00	2.99	3.01
Aldrin	3.34	3.33	3.35
Heptachlor epoxide	4.01	4.00	4.02
trans-Chlordane	4.22	4.21	4.23
cis-Chlordane	4.39	4.38	4.40
Endosulfan I	4.47	4.46	4.48
4,4'-DDE	4.62	4.61	4.63
Dieldrin	4.80	4.79	4.81
Endrin	5.12	5.11	5.13
4,4'-DDD	5.25	5.24	5.26
Endosulfan II	5.33	5.32	5.34
4,4'-DDT	5.56	5.55	5.57
Endrin aldehyde	5.68	5.67	5.69
Endosulfan sulfate	6.01	6.00	6.02
Methoxychlor	6.57	6.56	6.58
Mirex	6.72	6.71	6.73
Endrin ketone	6.83	6.82	6.84
Tetrachloro-m-xylene	1.94	1.93	1.95
DCB Decachlorobiphenyl	8.18	8.17	8.19

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059960.D
Lims ID: ICV PEST
Client ID:
Sample Type: ICV
Inject. Date: 05-Apr-2024 09:52:18 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174260-009
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:35 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.464	1.465	-0.001	190620801	100.0	100.0	
2	1.440	1.442	-0.002	408771764	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.941	1.942	-0.001	211588136	100.0	106.8	
2	1.806	1.806	0.000	442039910	100.0	107.2	
						RPD = 0.33	
15 alpha-BHC							
1	2.337	2.337	0.000	306594503	100.0	107.5	
2	2.115	2.115	0.000	640453088	100.0	97.3	
						RPD = 9.91	
2 gamma-BHC (Lindane)							
1	2.607	2.608	-0.001	265177565	100.0	103.3	
2	2.311	2.311	0.000	575275320	100.0	101.1	
						RPD = 2.17	
6 beta-BHC							
1	2.661	2.662	-0.001	112481014	100.0	100.3	
2	2.359	2.359	0.000	236956527	100.0	102.6	
						RPD = 2.33	
32 delta-BHC							
1	2.932	2.932	0.000	252193770	100.0	102.6	
2	2.486	2.486	0.000	548374432	100.0	101.0	
						RPD = 1.62	
18 Heptachlor							
1	3.003	3.004	-0.001	270104519	100.0	104.0	
2	2.651	2.651	0.000	569361376	100.0	103.8	
						RPD = 0.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.342	3.343	-0.001	271044771	100.0	100.5	
2	2.893	2.895	-0.002	540525399	100.0	98.1	
						RPD = 2.43	
12 Heptachlor epoxide							
1	4.006	4.006	0.000	240319789	100.0	103.8	
2	3.463	3.463	0.000	486195718	100.0	102.7	
						RPD = 1.14	
9 trans-Chlordane							
1	4.216	4.216	0.000	246160294	100.0	104.4	
2	3.599	3.600	-0.001	503648037	100.0	101.4	
						RPD = 2.90	
23 cis-Chlordane							
1	4.394	4.394	0.000	230889307	100.0	102.0	
2	3.748	3.750	-0.002	477007493	100.0	99.9	
						RPD = 2.15	
7 Endosulfan I							
1	4.467	4.466	0.001	215796719	100.0	101.5	
2	3.897	3.898	-0.001	442852370	100.0	100.1	
						RPD = 1.42	
25 4,4'-DDE							
1	4.620	4.621	-0.001	250002368	100.0	102.9	
2	3.837	3.839	-0.002	499159021	100.0	98.7	
						RPD = 4.21	
30 Dieldrin							
1	4.803	4.804	-0.001	254122926	100.0	101.4	
2	4.147	4.148	-0.001	496270964	100.0	98.2	
						RPD = 3.20	
20 Endrin							
1	5.121	5.122	-0.001	242308286	100.0	103.4	
2	4.407	4.407	0.000	469428103	100.0	100.7	
						RPD = 2.65	
16 4,4'-DDD							
1	5.246	5.246	0.000	212836902	100.0	102.3	
2	4.504	4.504	0.000	405965284	100.0	99.6	
						RPD = 2.69	
11 Endosulfan II							
1	5.326	5.326	0.000	219370899	100.0	105.9	
2	4.674	4.675	-0.001	412934306	100.0	104.3	
						RPD = 1.53	
21 4,4'-DDT							
1	5.562	5.563	-0.001	215119216	100.0	103.9	
2	4.832	4.832	0.000	412449233	100.0	97.8	
						RPD = 6.04	
5 Endrin aldehyde							
1	5.677	5.677	0.000	159424159	100.0	103.0	
2	5.103	5.104	-0.001	332165984	100.0	99.5	
						RPD = 3.39	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.010	6.010	0.000	195121000	100.0	101.3	
2	5.510	5.510	0.000	383157784	100.0	96.2	
						RPD = 5.24	
10 Methoxychlor							
1	6.573	6.572	0.001	124291342	100.0	107.2	
2	5.325	5.326	-0.001	227968397	100.0	98.9	
						RPD = 8.09	
34 Mirex							
1	6.724	6.724	0.000	181546114	100.0	105.7	
2	5.399	5.399	0.000	341105085	100.0	98.2	
						RPD = 7.40	
13 Endrin ketone							
1	6.826	6.827	-0.001	197276222	100.0	99.7	
2	5.789	5.788	0.001	391725109	100.0	95.8	
						RPD = 3.96	
$ 24 DCB Decachlorobiphenyl							
1	8.178	8.179	-0.001	219617915	100.0	103.8	
2	7.359	7.360	-0.001	457003753	100.0	100.0	
						RPD = 3.75	

Reagents:

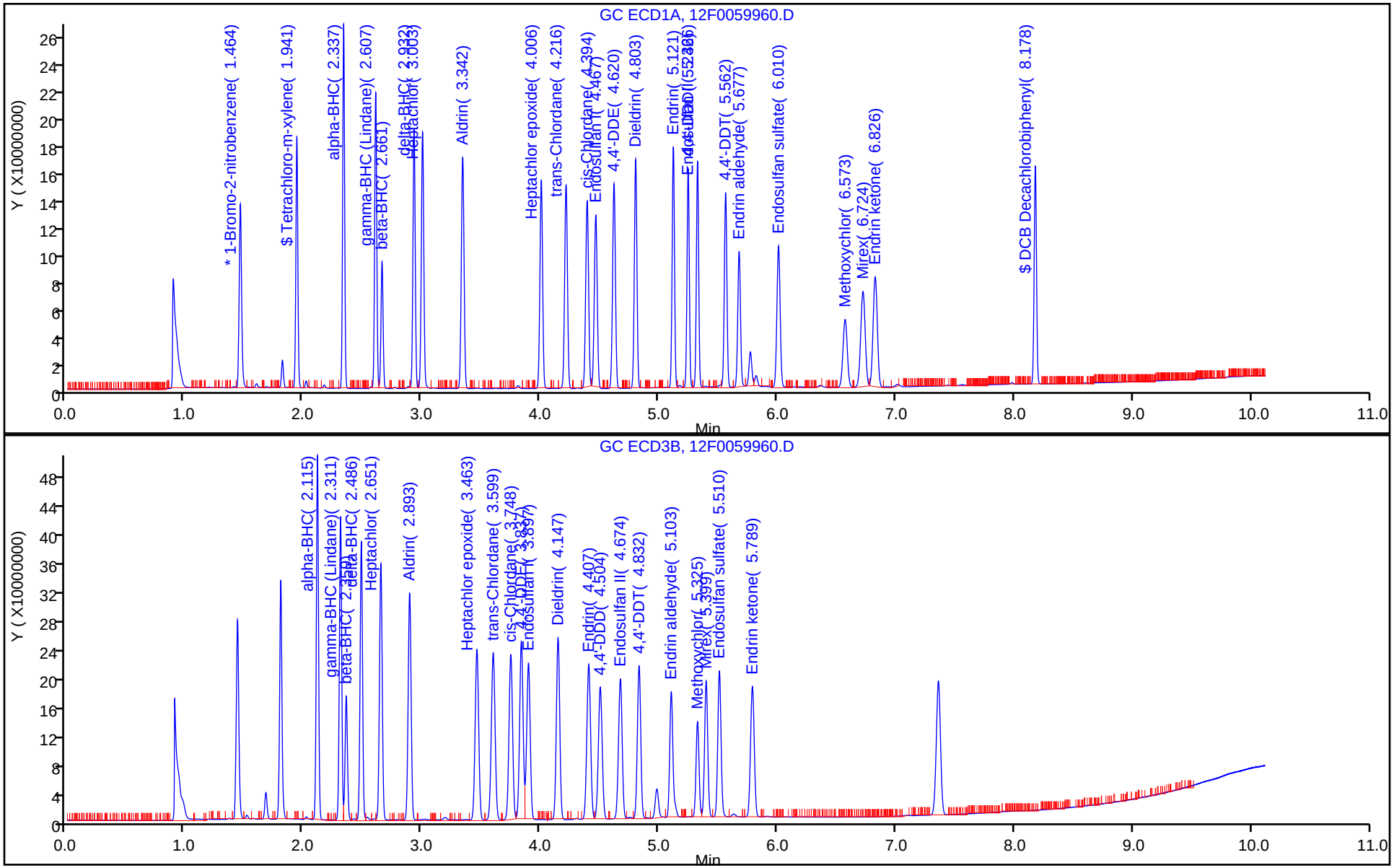
SGPTICV_00048	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:44:05 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059960.D

Injection Date:	05-Apr-2024 09:52:18	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	ICV PEST			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/9 Calibration Date: 04/05/2024 09:52

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0059960.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin		1.567		97.3	100	-2.7	20.0
gamma-BHC (Lindane)	Ave	1.393	1.407		101	100	1.1	20.0
beta-BHC	Ave	0.5648	0.5797		103	100	2.6	20.0
delta-BHC	Ave	1.329	1.342		101	100	1.0	20.0
Heptachlor	Ave	1.341	1.393		104	100	3.8	20.0
Aldrin	Ave	1.348	1.322		98.1	100	-1.9	20.0
Heptachlor epoxide	Ave	1.158	1.189		103	100	2.7	20.0
trans-Chlordane	Ave	1.215	1.232		101	100	1.4	20.0
cis-Chlordane	Ave	1.169	1.167		99.9	100	-0.1	20.0
4,4'-DDE	Ave	1.237	1.221		98.7	100	-1.3	20.0
Endosulfan I	Ave	1.082	1.083		100	100	0.0	20.0
Dieldrin	Ave	1.237	1.214		98.2	100	-1.8	20.0
Endrin	Ave	1.140	1.148		101	100	0.7	20.0
4,4'-DDD	Ave	0.998	0.9931		99.6	100	-0.4	20.0
Endosulfan II	Ave	0.9687	1.010		104	100	4.3	20.0
4,4'-DDT	Ave	1.031	1.009		97.8	100	-2.2	20.0
Endrin aldehyde	Ave	0.8163	0.8126		99.5	100	-0.5	20.0
Methoxychlor	Ave	0.5640	0.5577		98.9	100	-1.1	20.0
Mirex	Ave	0.8501	0.8345		98.2	100	-1.8	20.0
Endosulfan sulfate	Ave	0.9748	0.9373		96.2	100	-3.8	20.0
Endrin ketone	Ave	1.000	0.9583		95.8	100	-4.2	20.0
Tetrachloro-m-xylene	Ave	1.009	1.081		107	100	7.2	20.0
DCB Decachlorobiphenyl	Ave	1.118	1.118		100	100	0.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/9 Calibration Date: 04/05/2024 09:52

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0059960.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.12	2.11	2.13
gamma-BHC (Lindane)	2.31	2.30	2.32
beta-BHC	2.36	2.35	2.37
delta-BHC	2.49	2.48	2.50
Heptachlor	2.65	2.64	2.66
Aldrin	2.89	2.89	2.91
Heptachlor epoxide	3.46	3.45	3.47
trans-Chlordane	3.60	3.59	3.61
cis-Chlordane	3.75	3.74	3.76
4,4'-DDE	3.84	3.83	3.85
Endosulfan I	3.90	3.89	3.91
Dieldrin	4.15	4.14	4.16
Endrin	4.41	4.40	4.42
4,4'-DDD	4.50	4.49	4.51
Endosulfan II	4.67	4.67	4.69
4,4'-DDT	4.83	4.82	4.84
Endrin aldehyde	5.10	5.09	5.11
Methoxychlor	5.33	5.32	5.34
Mirex	5.40	5.39	5.41
Endosulfan sulfate	5.51	5.50	5.52
Endrin ketone	5.79	5.78	5.80
Tetrachloro-m-xylene	1.81	1.80	1.82
DCB Decachlorobiphenyl	7.36	7.35	7.37

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059960.D
Lims ID: ICV PEST
Client ID:
Sample Type: ICV
Inject. Date: 05-Apr-2024 09:52:18 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174260-009
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:35 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.464	1.465	-0.001	190620801	100.0	100.0	
2	1.440	1.442	-0.002	408771764	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.941	1.942	-0.001	211588136	100.0	106.8	
2	1.806	1.806	0.000	442039910	100.0	107.2	
						RPD = 0.33	
15 alpha-BHC							
1	2.337	2.337	0.000	306594503	100.0	107.5	
2	2.115	2.115	0.000	640453088	100.0	97.3	
						RPD = 9.91	
2 gamma-BHC (Lindane)							
1	2.607	2.608	-0.001	265177565	100.0	103.3	
2	2.311	2.311	0.000	575275320	100.0	101.1	
						RPD = 2.17	
6 beta-BHC							
1	2.661	2.662	-0.001	112481014	100.0	100.3	
2	2.359	2.359	0.000	236956527	100.0	102.6	
						RPD = 2.33	
32 delta-BHC							
1	2.932	2.932	0.000	252193770	100.0	102.6	
2	2.486	2.486	0.000	548374432	100.0	101.0	
						RPD = 1.62	
18 Heptachlor							
1	3.003	3.004	-0.001	270104519	100.0	104.0	
2	2.651	2.651	0.000	569361376	100.0	103.8	
						RPD = 0.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.342	3.343	-0.001	271044771	100.0	100.5	
2	2.893	2.895	-0.002	540525399	100.0	98.1	
						RPD = 2.43	
12 Heptachlor epoxide							
1	4.006	4.006	0.000	240319789	100.0	103.8	
2	3.463	3.463	0.000	486195718	100.0	102.7	
						RPD = 1.14	
9 trans-Chlordane							
1	4.216	4.216	0.000	246160294	100.0	104.4	
2	3.599	3.600	-0.001	503648037	100.0	101.4	
						RPD = 2.90	
23 cis-Chlordane							
1	4.394	4.394	0.000	230889307	100.0	102.0	
2	3.748	3.750	-0.002	477007493	100.0	99.9	
						RPD = 2.15	
7 Endosulfan I							
1	4.467	4.466	0.001	215796719	100.0	101.5	
2	3.897	3.898	-0.001	442852370	100.0	100.1	
						RPD = 1.42	
25 4,4'-DDE							
1	4.620	4.621	-0.001	250002368	100.0	102.9	
2	3.837	3.839	-0.002	499159021	100.0	98.7	
						RPD = 4.21	
30 Dieldrin							
1	4.803	4.804	-0.001	254122926	100.0	101.4	
2	4.147	4.148	-0.001	496270964	100.0	98.2	
						RPD = 3.20	
20 Endrin							
1	5.121	5.122	-0.001	242308286	100.0	103.4	
2	4.407	4.407	0.000	469428103	100.0	100.7	
						RPD = 2.65	
16 4,4'-DDD							
1	5.246	5.246	0.000	212836902	100.0	102.3	
2	4.504	4.504	0.000	405965284	100.0	99.6	
						RPD = 2.69	
11 Endosulfan II							
1	5.326	5.326	0.000	219370899	100.0	105.9	
2	4.674	4.675	-0.001	412934306	100.0	104.3	
						RPD = 1.53	
21 4,4'-DDT							
1	5.562	5.563	-0.001	215119216	100.0	103.9	
2	4.832	4.832	0.000	412449233	100.0	97.8	
						RPD = 6.04	
5 Endrin aldehyde							
1	5.677	5.677	0.000	159424159	100.0	103.0	
2	5.103	5.104	-0.001	332165984	100.0	99.5	
						RPD = 3.39	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.010	6.010	0.000	195121000	100.0	101.3	
2	5.510	5.510	0.000	383157784	100.0	96.2	
						RPD = 5.24	
10 Methoxychlor							
1	6.573	6.572	0.001	124291342	100.0	107.2	
2	5.325	5.326	-0.001	227968397	100.0	98.9	
						RPD = 8.09	
34 Mirex							
1	6.724	6.724	0.000	181546114	100.0	105.7	
2	5.399	5.399	0.000	341105085	100.0	98.2	
						RPD = 7.40	
13 Endrin ketone							
1	6.826	6.827	-0.001	197276222	100.0	99.7	
2	5.789	5.788	0.001	391725109	100.0	95.8	
						RPD = 3.96	
$ 24 DCB Decachlorobiphenyl							
1	8.178	8.179	-0.001	219617915	100.0	103.8	
2	7.359	7.360	-0.001	457003753	100.0	100.0	
						RPD = 3.75	

Reagents:

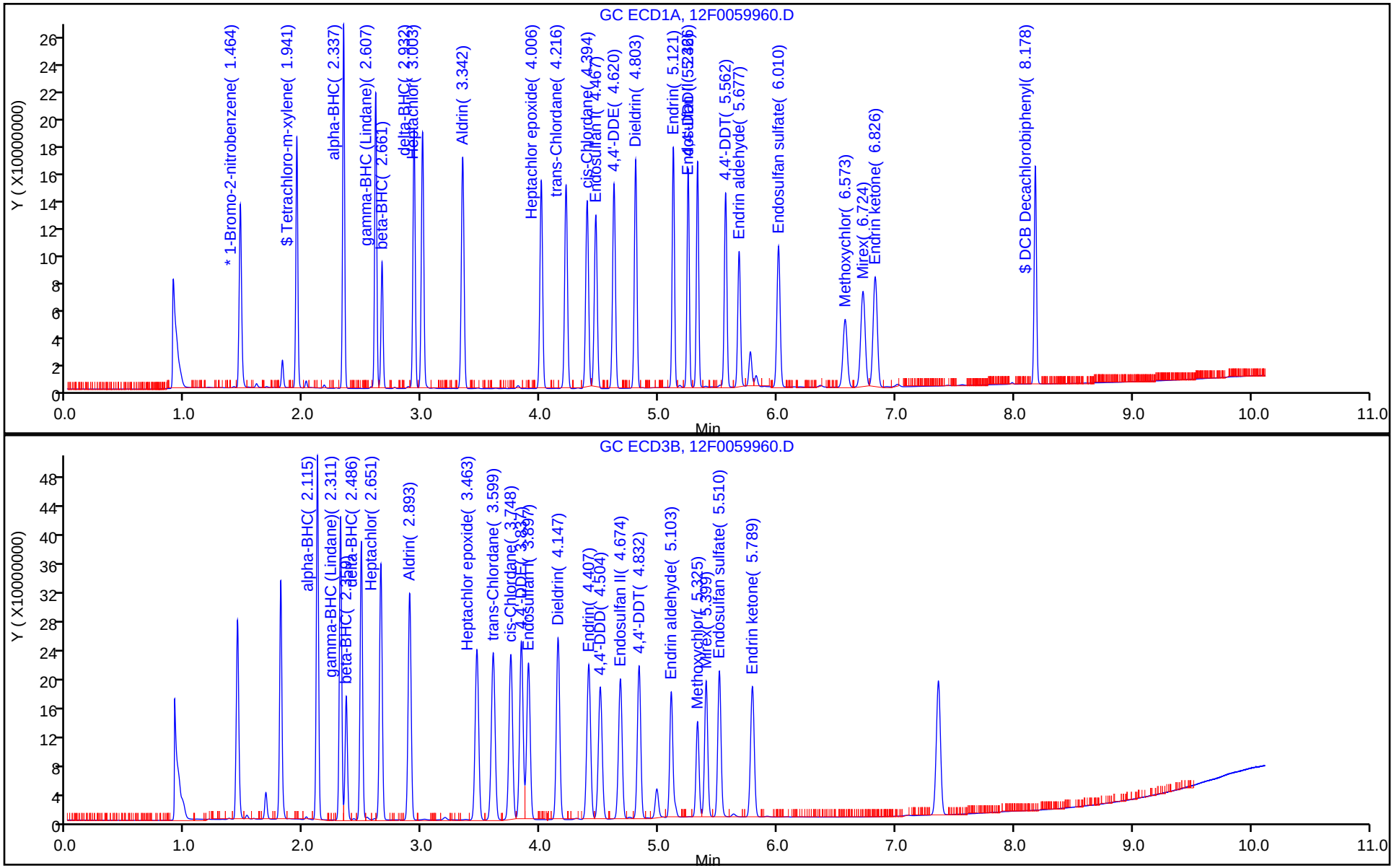
SGPTICV_00048	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Apr-2024 03:44:06 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059960.D

Injection Date:	05-Apr-2024 09:52:18	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	ICV PEST			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/15 Calibration Date: 04/05/2024 11:06

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 10:04

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 10:53

Lab File ID: 12F0059966.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (n.o.s.) Peak 1	Ave	0.0428	0.0417		973	1000	-2.7	20.0
Chlordane (technical) Peak 1	Ave	0.0428	0.0417		973	1000	-2.7	20.0
Chlordane (n.o.s.) Peak 2	Ave	0.0417	0.0400		961	1000	-3.9	20.0
Chlordane (technical) Peak 2	Ave	0.0417	0.0400		961	1000	-3.9	20.0
Chlordane (n.o.s.) Peak 3	Ave	0.1464	0.1427		975	1000	-2.5	20.0
Chlordane (technical) Peak 3	Ave	0.1464	0.1427		975	1000	-2.5	20.0
Chlordane (n.o.s.) Peak 4	Ave	0.1617	0.1581		977	1000	-2.3	20.0
Chlordane (technical) Peak 4	Ave	0.1617	0.1581		977	1000	-2.3	20.0
Chlordane (n.o.s.) Peak 5	Ave	0.1081	0.1045		967	1000	-3.3	20.0
Chlordane (technical) Peak 5	Ave	0.1081	0.1045		967	1000	-3.3	20.0
Chlordane (n.o.s.)	None		0.0417		971	1000	-2.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/15 Calibration Date: 04/05/2024 11:06

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 10:04

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 10:53

Lab File ID: 12F0059966.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (n.o.s.) Peak 1	2.86	2.85	2.87
Chlordane (technical) Peak 1	2.86	2.85	2.87
Chlordane (n.o.s.) Peak 2	3.50	3.49	3.51
Chlordane (technical) Peak 2	3.50	3.49	3.51
Chlordane (n.o.s.) Peak 3	4.22	4.20	4.22
Chlordane (technical) Peak 3	4.22	4.20	4.22
Chlordane (n.o.s.) Peak 4	4.32	4.31	4.33
Chlordane (technical) Peak 4	4.32	4.31	4.33
Chlordane (n.o.s.) Peak 5	4.39	4.38	4.40
Chlordane (technical) Peak 5	4.39	4.38	4.40
Chlordane (n.o.s.)			

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059966.D
Lims ID: ICV CHLOR
Client ID:
Sample Type: ICV
Inject. Date: 05-Apr-2024 11:06:09 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-015
Operator ID: Instrument ID: CPESTGC12
Sublist:

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:35 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:11:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	255260280	100.0	100.0	
2	1.441	1.442	-0.001	502785165	100.0	100.0	
						RPD = 0.00	
38 Chlordane (n.o.s.)							M
1	2.863	2.863	0.000	106341436	1000.0	972.9	M
1	3.500	3.500	0.000	102183556	1000.0	960.9	M
1	4.215	4.214	0.001	364326309	1000.0	975.0	M
1	4.323	4.323	0.000	403578531	1000.0	977.5	M
1	4.393	4.393	0.000	266797945	1000.0	966.9	M
		Average of Peak Amounts =				970.6	
2	2.589	2.590	-0.001	188869473	1000.0	975.0	M
2	3.002	3.002	0.000	232179581	1000.0	1039.1	M
2	3.393	3.393	0.000	140635364	1000.0	1056.4	M
2	3.601	3.600	0.001	830243526	1000.0	1025.7	M
2	3.737	3.737	0.000	1448893773	1000.0	1015.1	M
		Average of Peak Amounts =				1022.3	
						RPD = 5.18	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Chlordane (technical)							M
1	2.863	2.863	0.000	106341436	1000.0	972.9	M
1	3.500	3.500	0.000	102183556	1000.0	960.9	M
1	4.215	4.214	0.001	364326309	1000.0	975.0	M
1	4.323	4.323	0.000	403578531	1000.0	977.5	M
1	4.393	4.393	0.000	266797945	1000.0	966.9	M
		Average of Peak Amounts =				970.6	
2	2.589	2.590	-0.001	188869473	1000.0	975.0	M
2	3.002	3.002	0.000	232179581	1000.0	1039.1	M
2	3.393	3.393	0.000	140635364	1000.0	1056.4	M
2	3.601	3.600	0.001	830243526	1000.0	1025.7	M
2	3.737	3.737	0.000	1448893773	1000.0	1015.1	M
		Average of Peak Amounts =				1022.3	
						RPD = 5.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

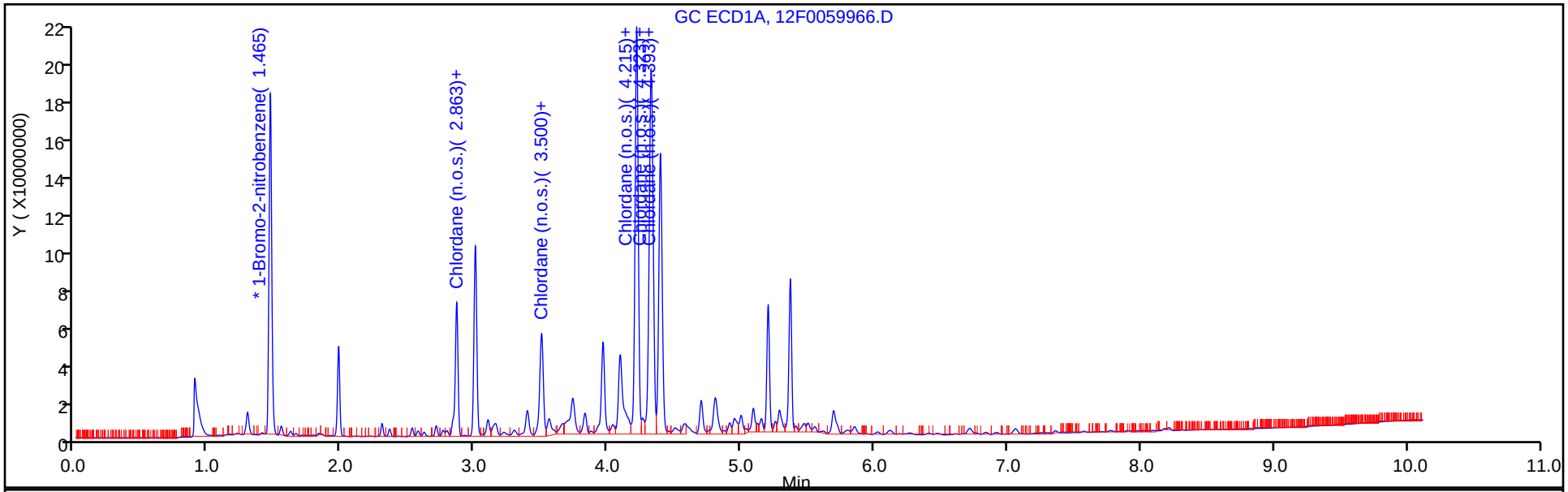
SGCHLOR ICV_00011	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

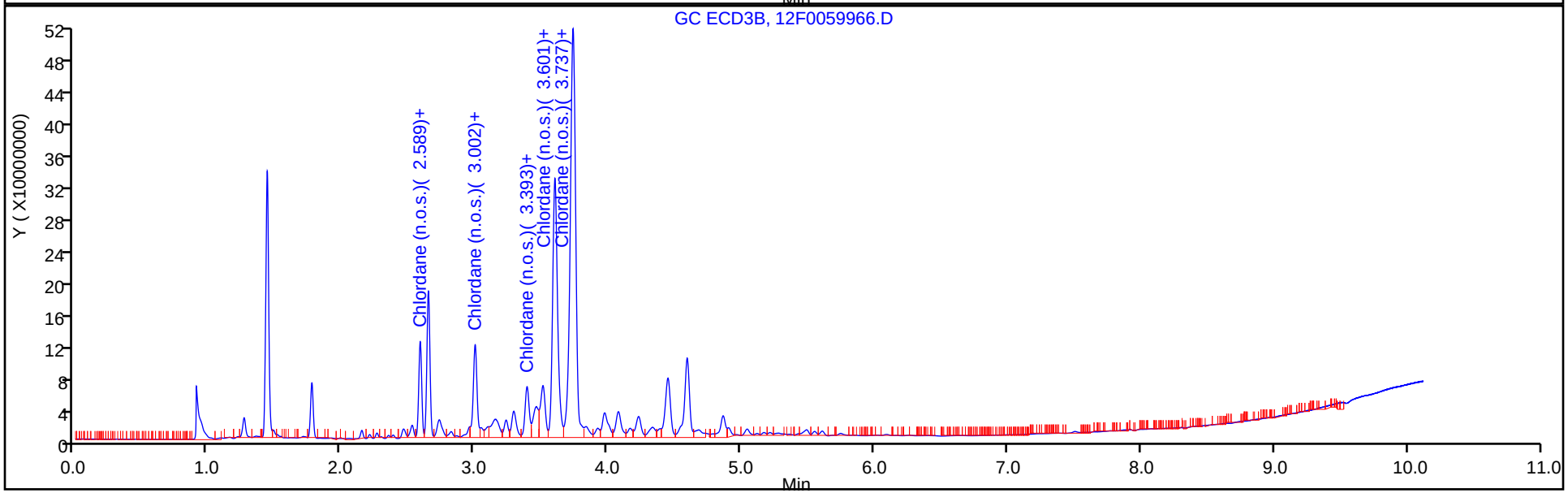
Report Date: 08-Apr-2024 03:44:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059966.D

Injection Date:	05-Apr-2024 11:06:09	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	ICV CHLOR			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 08-Apr-2024 03:44:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059966.D

Injection Date: 05-Apr-2024 11:06:09 Instrument ID: CPESTGC12

Lims ID: ICV CHLOR

Client ID:

Operator ID: ALS Bottle#: 15 Worklist Smp#: 15

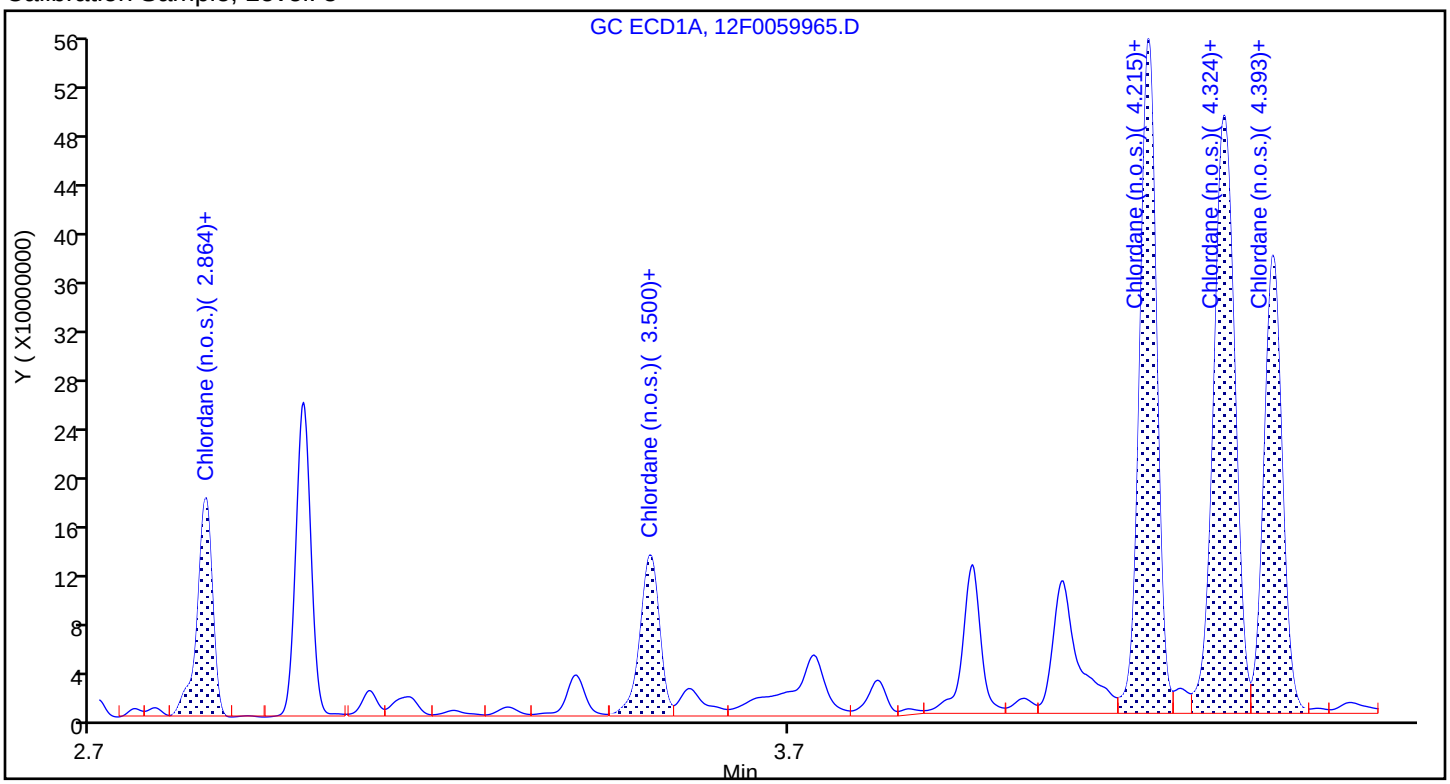
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

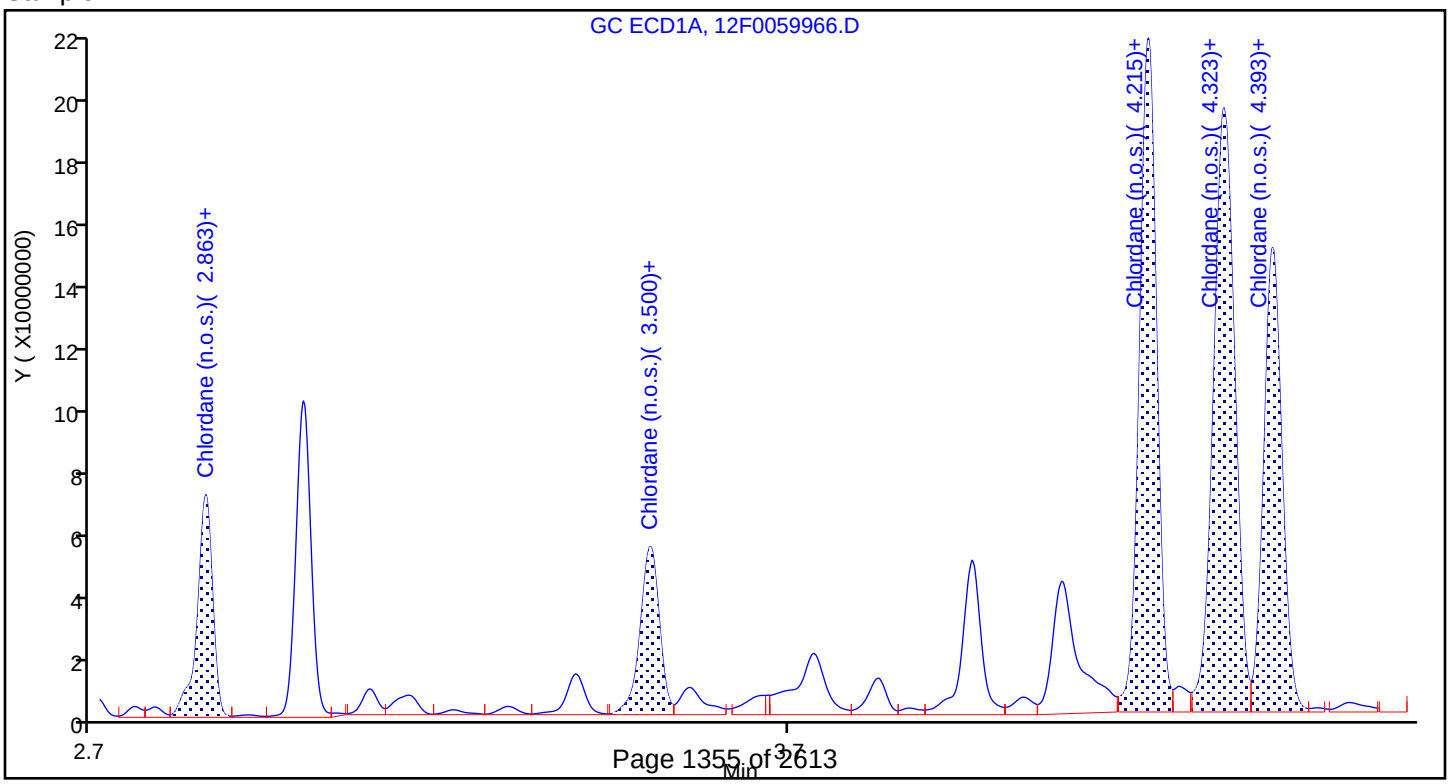
Column: Detector GC ECD1A

38 Chlordane (n.o.s.), CAS: 57-74-9

Calibration Sample, Level: 5



Sample



Report Date: 08-Apr-2024 03:44:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059966.D

Injection Date: 05-Apr-2024 11:06:09 Instrument ID: CPESTGC12

Lims ID: ICV CHLOR

Client ID:

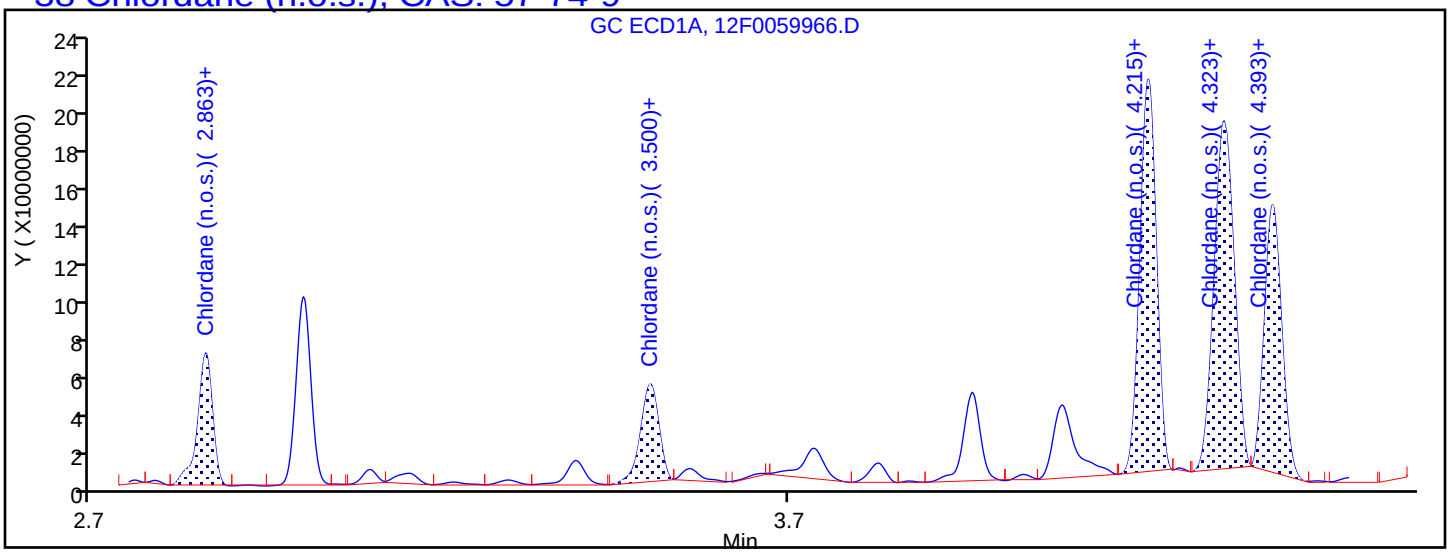
Operator ID: ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

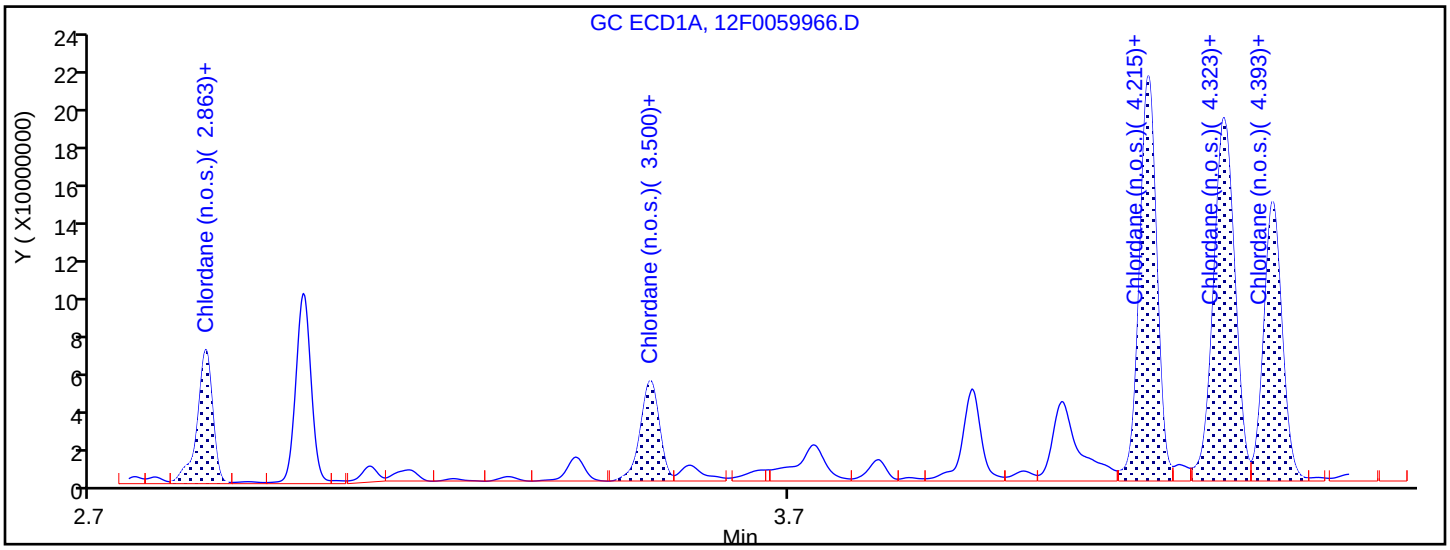
Column: Detector GC ECD1A

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

2.863	Response = 104701322
3.500	Response = 92608649
4.215	Response = 335450459
4.323	Response = 365205773
4.393	Response = 242788710



Manual Integration Results

2.863	Response = 106341436	M
3.500	Response = 102183556	M
4.215	Response = 364326309	M
4.323	Response = 403578531	M
4.393	Response = 266797945	M

Reviewer: ESS0, 08-Apr-2024 03:11:17 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/15 Calibration Date: 04/05/2024 11:06

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 10:04

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 10:53

Lab File ID: 12F0059966.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (n.o.s.) Peak 1	Ave	0.0385	0.0376		975	1000	-2.5	20.0
Chlordane (technical) Peak 1	Ave	0.0385	0.0376		975	1000	-2.5	20.0
Chlordane (n.o.s.) Peak 2	Ave	0.0444	0.0462		1040	1000	3.9	20.0
Chlordane (technical) Peak 2	Ave	0.0444	0.0462		1040	1000	3.9	20.0
Chlordane (n.o.s.) Peak 3	Ave	0.0265	0.0280		1060	1000	5.6	20.0
Chlordane (technical) Peak 3	Ave	0.0265	0.0280		1060	1000	5.6	20.0
Chlordane (n.o.s.) Peak 4	Ave	0.1610	0.1651		1030	1000	2.6	20.0
Chlordane (technical) Peak 4	Ave	0.1610	0.1651		1030	1000	2.6	20.0
Chlordane (n.o.s.) Peak 5	Ave	0.2839	0.2882		1020	1000	1.5	20.0
Chlordane (technical) Peak 5	Ave	0.2839	0.2882		1020	1000	1.5	20.0
Chlordane (n.o.s.)	None		0.0376		1020	1000	2.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/15 Calibration Date: 04/05/2024 11:06

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 10:04

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 10:53

Lab File ID: 12F0059966.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (n.o.s.) Peak 1	2.59	2.58	2.60
Chlordane (technical) Peak 1	2.59	2.58	2.60
Chlordane (n.o.s.) Peak 2	3.00	2.99	3.01
Chlordane (technical) Peak 2	3.00	2.99	3.01
Chlordane (n.o.s.) Peak 3	3.39	3.38	3.40
Chlordane (technical) Peak 3	3.39	3.38	3.40
Chlordane (n.o.s.) Peak 4	3.60	3.59	3.61
Chlordane (technical) Peak 4	3.60	3.59	3.61
Chlordane (n.o.s.) Peak 5	3.74	3.73	3.75
Chlordane (technical) Peak 5	3.74	3.73	3.75
Chlordane (n.o.s.)			

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059966.D
Lims ID: ICV CHLOR
Client ID:
Sample Type: ICV
Inject. Date: 05-Apr-2024 11:06:09 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-015
Operator ID: Instrument ID: CPESTGC12
Sublist:

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:35 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:11:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	255260280	100.0	100.0	
2	1.441	1.442	-0.001	502785165	100.0	100.0	
						RPD = 0.00	
38 Chlordane (n.o.s.)							M
1	2.863	2.863	0.000	106341436	1000.0	972.9	M
1	3.500	3.500	0.000	102183556	1000.0	960.9	M
1	4.215	4.214	0.001	364326309	1000.0	975.0	M
1	4.323	4.323	0.000	403578531	1000.0	977.5	M
1	4.393	4.393	0.000	266797945	1000.0	966.9	M
		Average of Peak Amounts =				970.6	
2	2.589	2.590	-0.001	188869473	1000.0	975.0	M
2	3.002	3.002	0.000	232179581	1000.0	1039.1	M
2	3.393	3.393	0.000	140635364	1000.0	1056.4	M
2	3.601	3.600	0.001	830243526	1000.0	1025.7	M
2	3.737	3.737	0.000	1448893773	1000.0	1015.1	M
		Average of Peak Amounts =				1022.3	
						RPD = 5.18	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Chlordane (technical)							M
1	2.863	2.863	0.000	106341436	1000.0	972.9	M
1	3.500	3.500	0.000	102183556	1000.0	960.9	M
1	4.215	4.214	0.001	364326309	1000.0	975.0	M
1	4.323	4.323	0.000	403578531	1000.0	977.5	M
1	4.393	4.393	0.000	266797945	1000.0	966.9	M
		Average of Peak Amounts =				970.6	
2	2.589	2.590	-0.001	188869473	1000.0	975.0	M
2	3.002	3.002	0.000	232179581	1000.0	1039.1	M
2	3.393	3.393	0.000	140635364	1000.0	1056.4	M
2	3.601	3.600	0.001	830243526	1000.0	1025.7	M
2	3.737	3.737	0.000	1448893773	1000.0	1015.1	M
		Average of Peak Amounts =				1022.3	
						RPD = 5.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

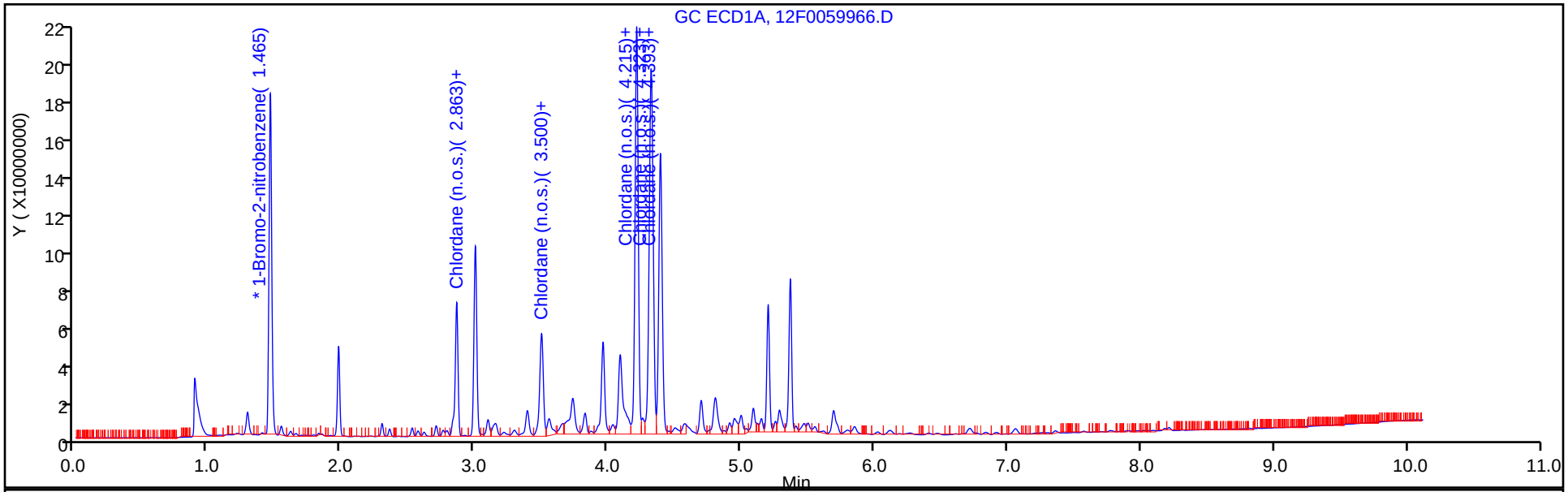
SGCHLOR ICV_00011	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

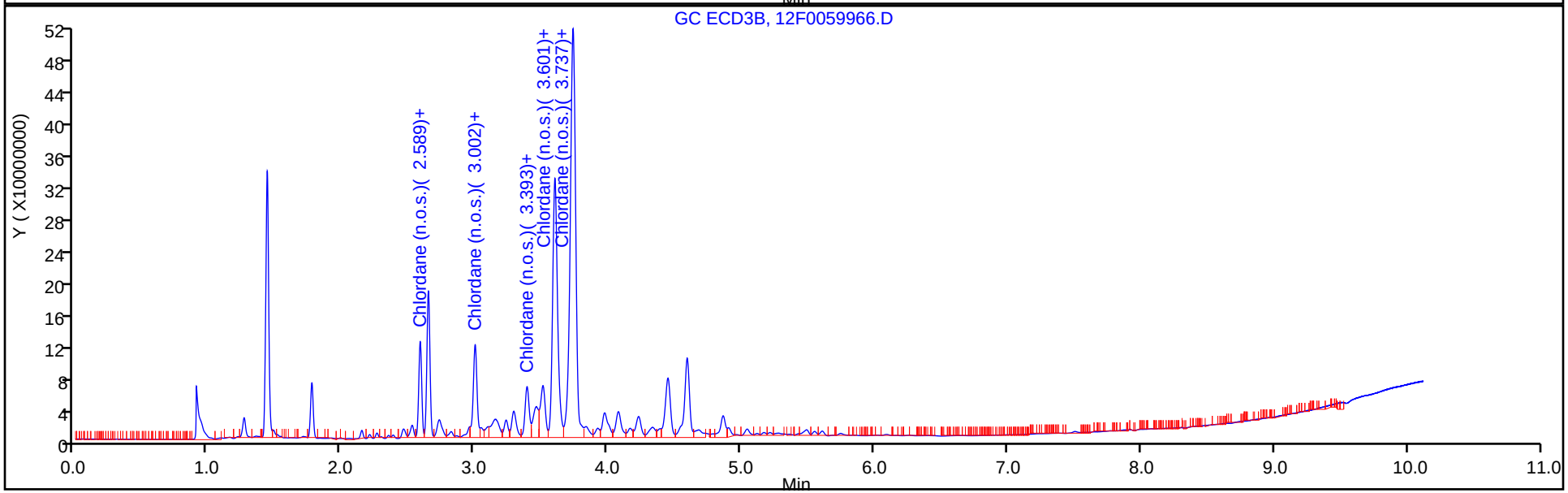
Report Date: 08-Apr-2024 03:44:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059966.D

Injection Date:	05-Apr-2024 11:06:09	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	ICV CHLOR			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 08-Apr-2024 03:44:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

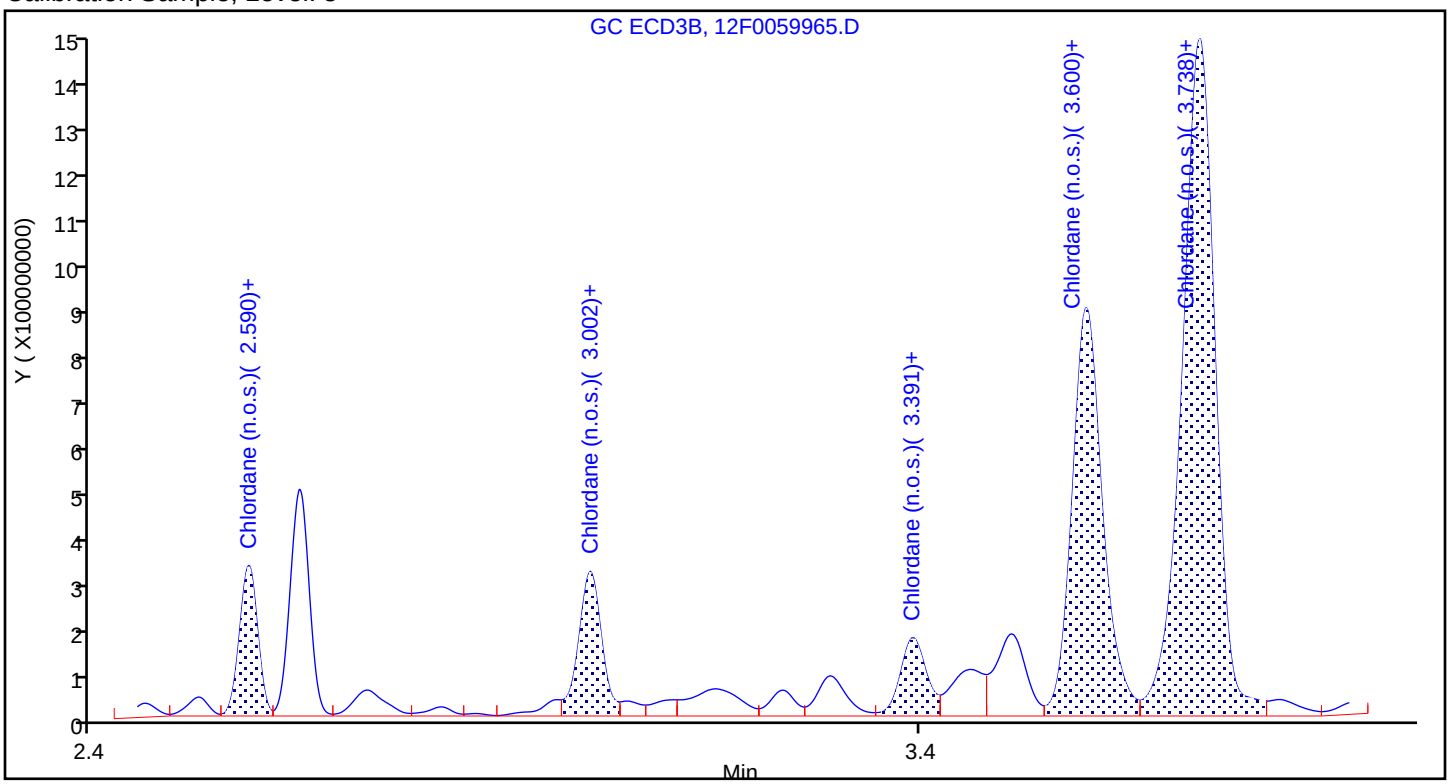
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059966.D

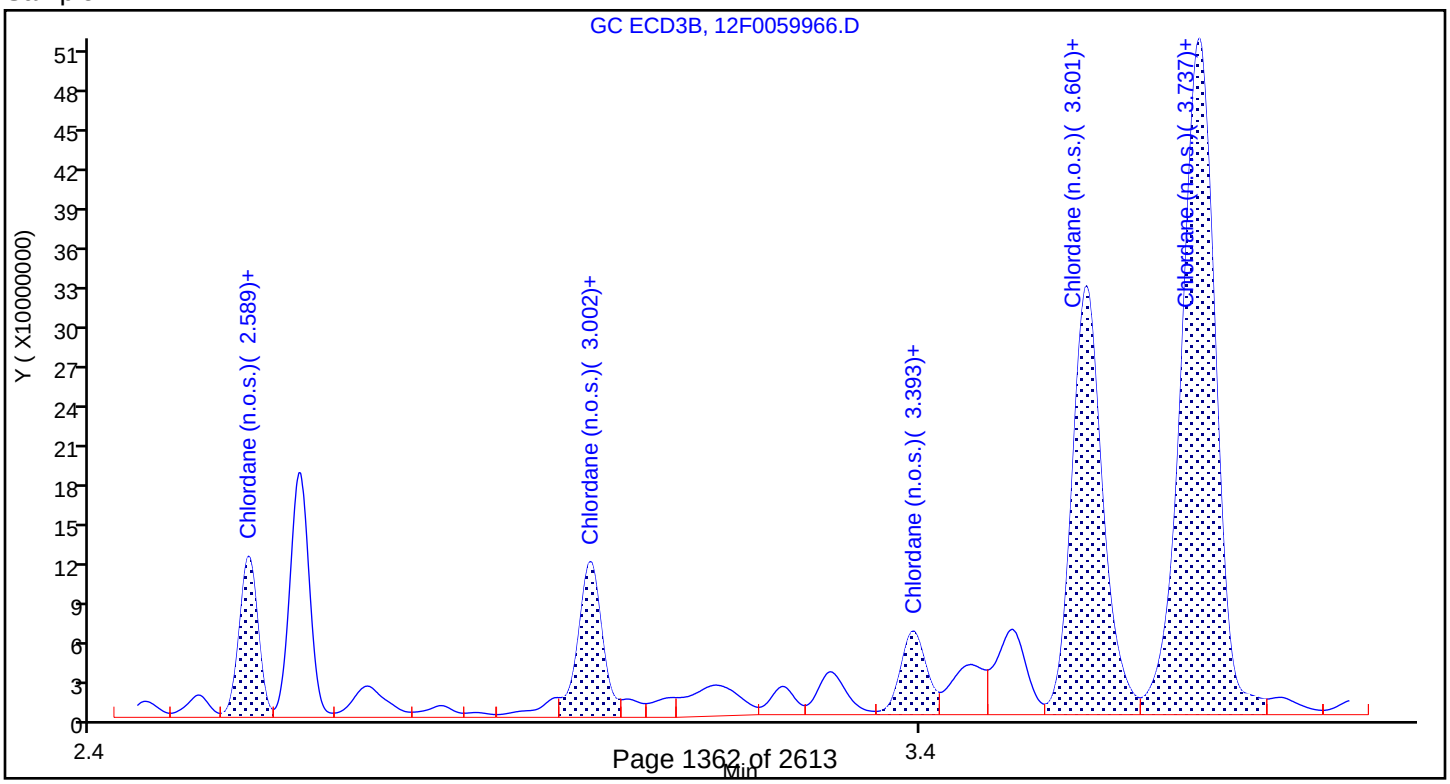
Injection Date:	05-Apr-2024 11:06:09	Instrument ID:	CPESTGC12		
Lims ID:	ICV CHLOR				
Client ID:					
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

38 Chlordane (n.o.s.), CAS: 57-74-9

Calibration Sample, Level: 5



Sample

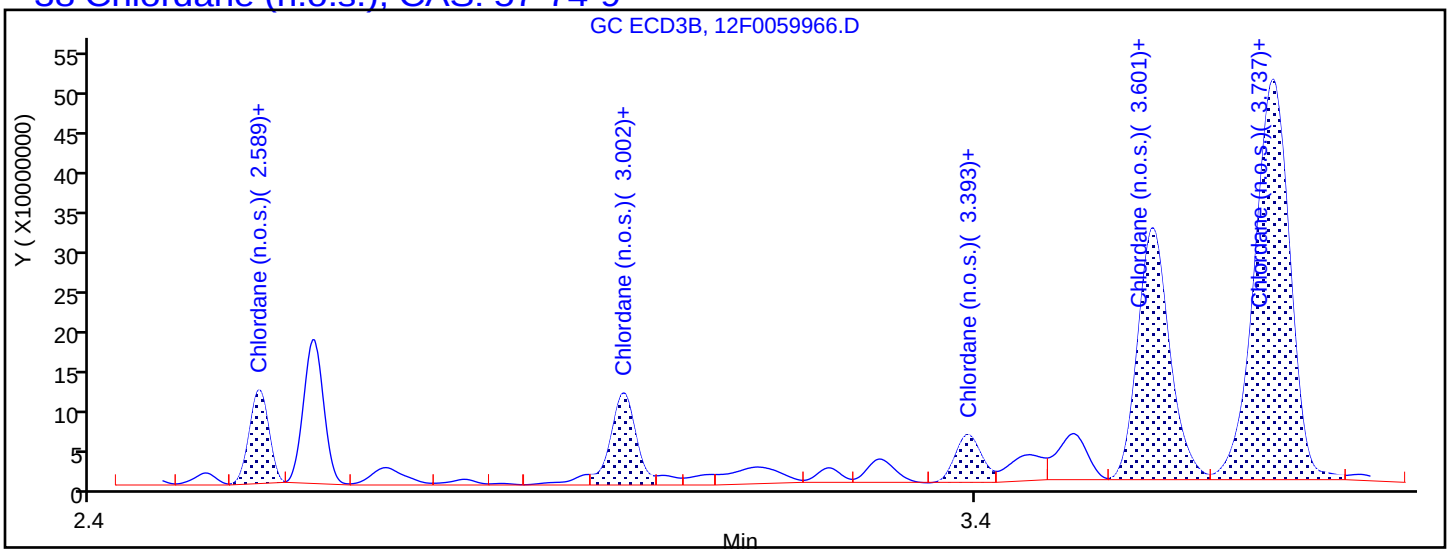


Report Date: 08-Apr-2024 03:44:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

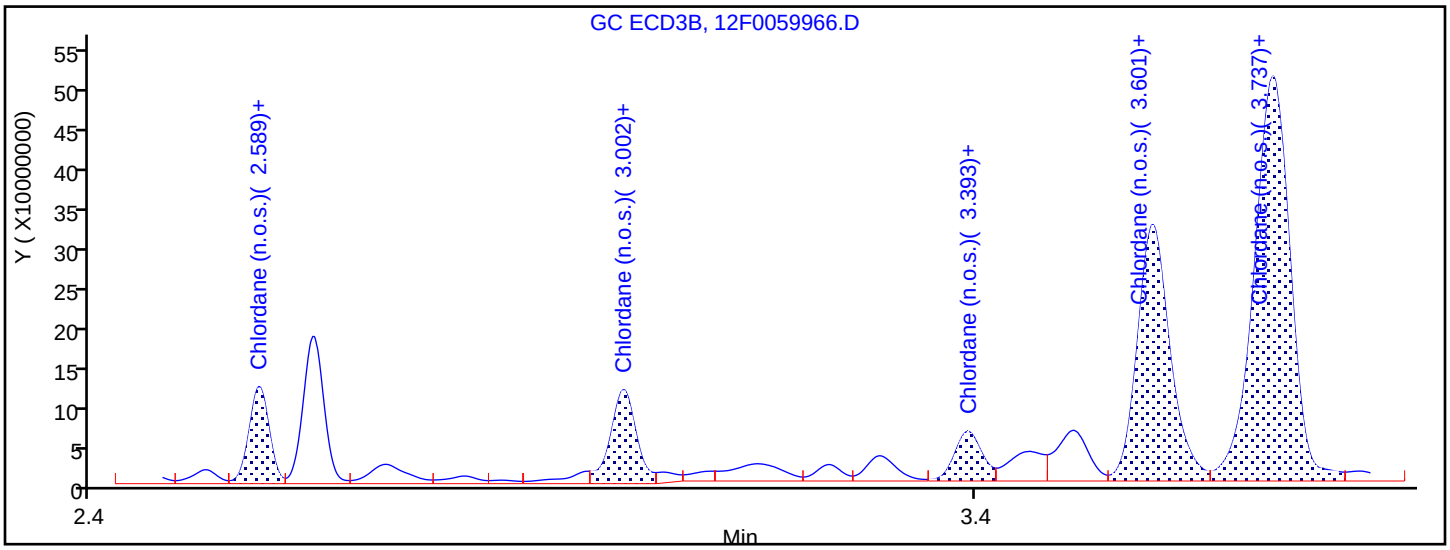
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059966.D
Injection Date: 05-Apr-2024 11:06:09 Instrument ID: CPESTGC12
Lims ID: ICV CHLOR
Client ID:
Operator ID: ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

2.589	Response = 177595009
3.002	Response = 224259111
3.393	Response = 121588607
3.601	Response = 783930109
3.737	Response = 1386584398



Manual Integration Results

2.589	Response = 188869473	M
3.002	Response = 232179581	M
3.393	Response = 140635364	M
3.601	Response = 830243526	M
3.737	Response = 1448893773	M

Reviewer: ESS0, 08-Apr-2024 03:11:23 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/21 Calibration Date: 04/05/2024 12:20

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 11:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 12:07

Lab File ID: 12F0059972.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0243	0.0245		1010	1000	0.8	20.0
Toxaphene Peak 2	Ave	0.0364	0.0358		983	1000	-1.7	20.0
Toxaphene Peak 3	Ave	0.0663	0.0662		999	1000	-0.0	20.0
Toxaphene Peak 4	Ave	0.0396	0.0403		1020	1000	1.6	20.0
Toxaphene Peak 5	Ave	0.0418	0.0427		1020	1000	2.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/21 Calibration Date: 04/05/2024 12:20

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 11:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 12:07

Lab File ID: 12F0059972.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.78	4.77	4.79
Toxaphene Peak 2	5.31	5.30	5.32
Toxaphene Peak 3	5.40	5.39	5.41
Toxaphene Peak 4	5.68	5.67	5.69
Toxaphene Peak 5	6.34	6.33	6.35

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059972.D
Lims ID: ICV TOX
Client ID:
Sample Type: ICV
Inject. Date: 05-Apr-2024 12:20:02 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-021
Operator ID: Instrument ID: CPESTGC12
Sublist:

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:35 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:13:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	285290607	100.0	100.0	
2	1.441	1.442	-0.001	541903719	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.779	4.780	-0.001	69831453	1000.0	1007.7	M
1	5.307	5.307	0.000	102094285	1000.0	982.7	M
1	5.402	5.401	0.001	188928068	1000.0	999.3	M
1	5.678	5.677	0.001	114914822	1000.0	1016.3	M
1	6.344	6.342	0.002	121707645	1000.0	1020.9	M
		Average of Peak Amounts =				1005.4	
2	4.663	4.662	0.001	296012797	1000.0	956.0	M
2	4.789	4.789	0.000	404475179	1000.0	945.0	M
2	5.024	5.026	-0.002	235093112	1000.0	952.7	M
2	5.221	5.221	0.000	200463610	1000.0	862.2	M
2	5.405	5.405	0.000	237870967	1000.0	852.3	M
		Average of Peak Amounts =				913.7	
						RPD = 9.56	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

SGTOX ICV_00019 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Apr-2024 03:44:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059972.D

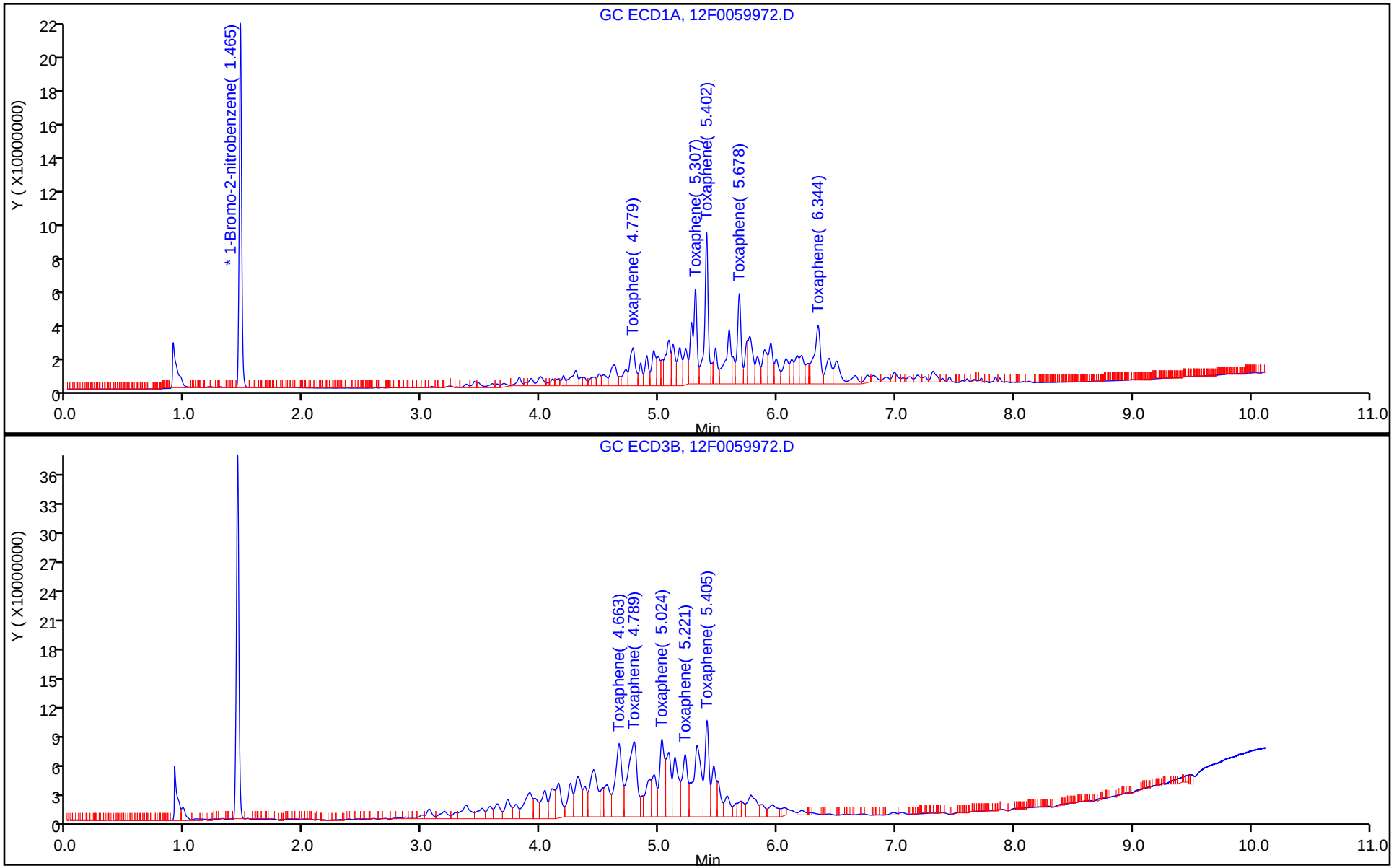
Injection Date: 05-Apr-2024 12:20:02 Instrument ID: CPESTGC12 Operator ID:

Lims ID: ICV TOX Worklist Smp#: 21

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 21

Method: GC8081 Limit Group: GC 8081B PEST ISTD



Report Date: 08-Apr-2024 03:44:25 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059972.D

Injection Date: 05-Apr-2024 12:20:02 Instrument ID: CPESTGC12

Lims ID: ICV TOX

Client ID:

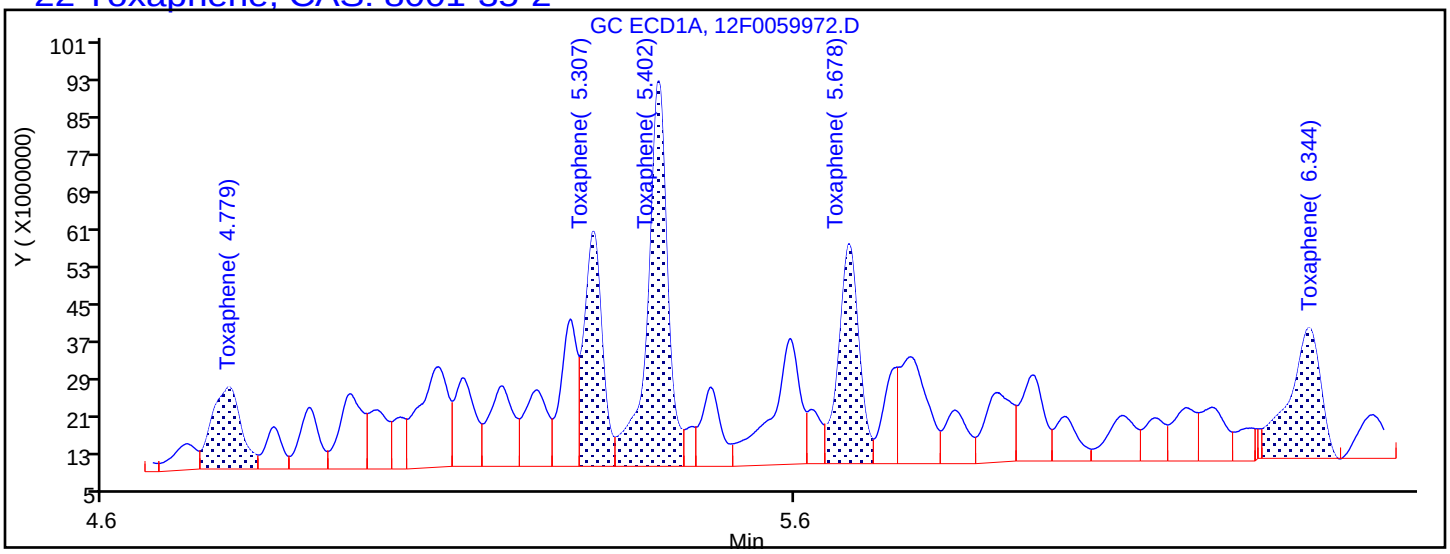
Operator ID: ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

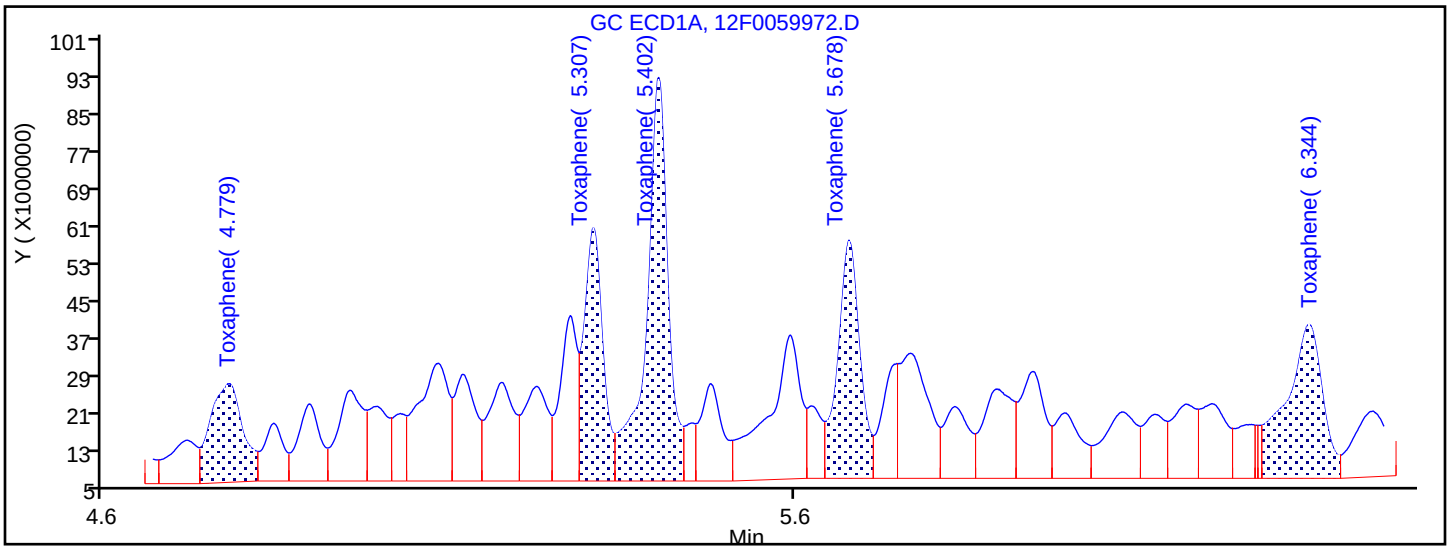
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.779	Response = 52321712
5.307	Response = 90137914
5.402	Response = 165538745
5.678	Response = 97553520
6.344	Response = 90449819



Manual Integration Results

4.779	Response = 69831453	M
5.307	Response = 102094285	M
5.402	Response = 188928068	M
5.678	Response = 114914822	M
6.344	Response = 121707645	M

Reviewer: ESS0, 08-Apr-2024 03:13:07 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/21 Calibration Date: 04/05/2024 12:20

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 11:18

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 12:07

Lab File ID: 12F0059972.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0571	0.0546		956	1000	-4.4	20.0
Toxaphene Peak 2	Ave	0.0790	0.0746		945	1000	-5.5	20.0
Toxaphene Peak 3	Ave	0.0455	0.0434		953	1000	-4.7	20.0
Toxaphene Peak 4	Ave	0.0429	0.0370		862	1000	-13.8	20.0
Toxaphene Peak 5	Ave	0.0515	0.0439		852	1000	-14.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-967880/21 Calibration Date: 04/05/2024 12:20

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 11:18

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 12:07

Lab File ID: 12F0059972.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.66	4.65	4.67
Toxaphene Peak 2	4.79	4.78	4.80
Toxaphene Peak 3	5.02	5.02	5.04
Toxaphene Peak 4	5.22	5.21	5.23
Toxaphene Peak 5	5.41	5.40	5.42

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059972.D
Lims ID: ICV TOX
Client ID:
Sample Type: ICV
Inject. Date: 05-Apr-2024 12:20:02 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0174271-021
Operator ID: Instrument ID: CPESTGC12
Sublist:

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 08-Apr-2024 03:33:35 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1657

First Level Reviewer: ESS0 Date: 08-Apr-2024 03:13:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.465	1.465	0.000	285290607	100.0	100.0	
2	1.441	1.442	-0.001	541903719	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.779	4.780	-0.001	69831453	1000.0	1007.7	M
1	5.307	5.307	0.000	102094285	1000.0	982.7	M
1	5.402	5.401	0.001	188928068	1000.0	999.3	M
1	5.678	5.677	0.001	114914822	1000.0	1016.3	M
1	6.344	6.342	0.002	121707645	1000.0	1020.9	M
		Average of Peak Amounts =				1005.4	
2	4.663	4.662	0.001	296012797	1000.0	956.0	M
2	4.789	4.789	0.000	404475179	1000.0	945.0	M
2	5.024	5.026	-0.002	235093112	1000.0	952.7	M
2	5.221	5.221	0.000	200463610	1000.0	862.2	M
2	5.405	5.405	0.000	237870967	1000.0	852.3	M
		Average of Peak Amounts =				913.7	
						RPD = 9.56	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

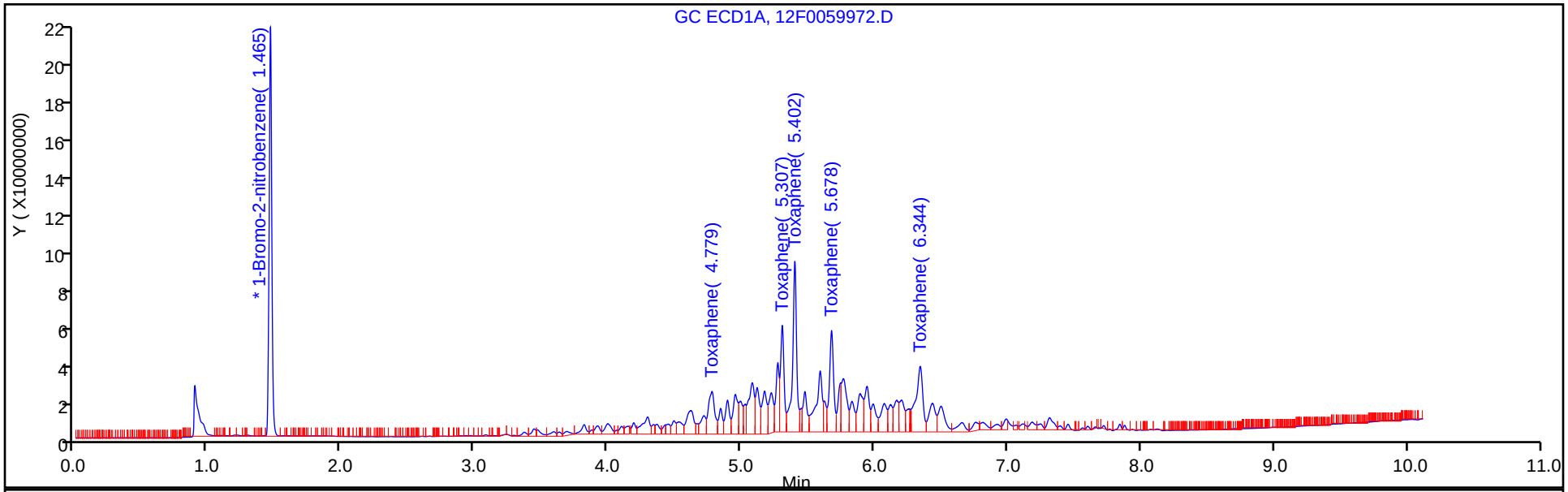
SGTOX ICV_00019 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

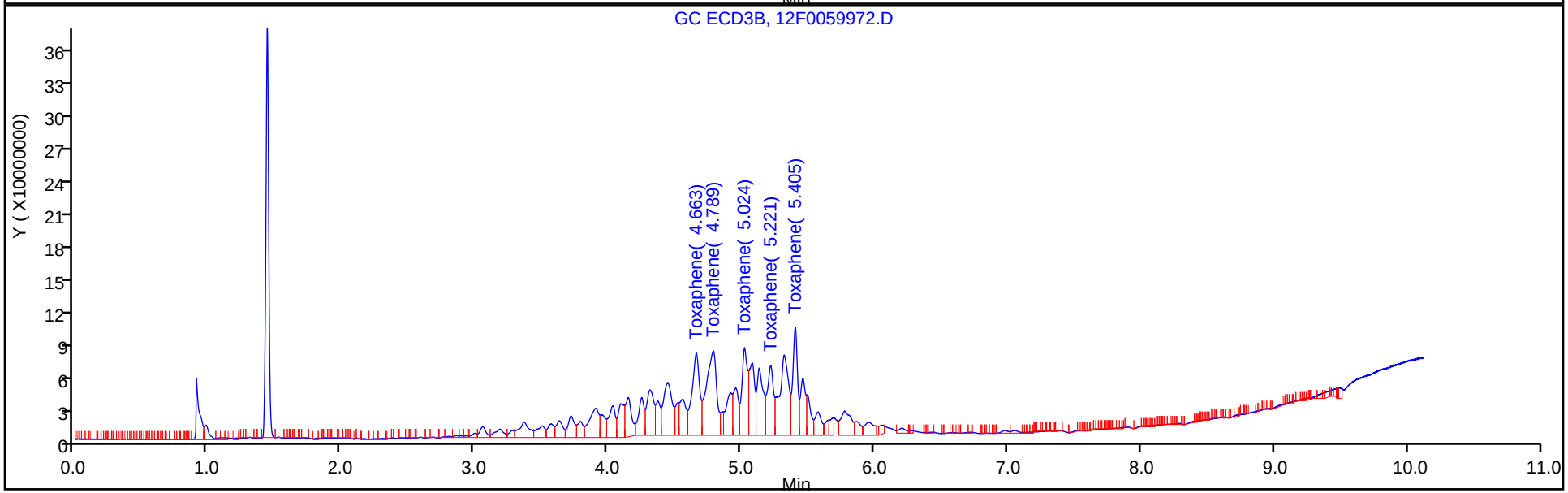
Report Date: 08-Apr-2024 03:44:25 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059972.D

Injection Date:	05-Apr-2024 12:20:02	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	ICV TOX			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



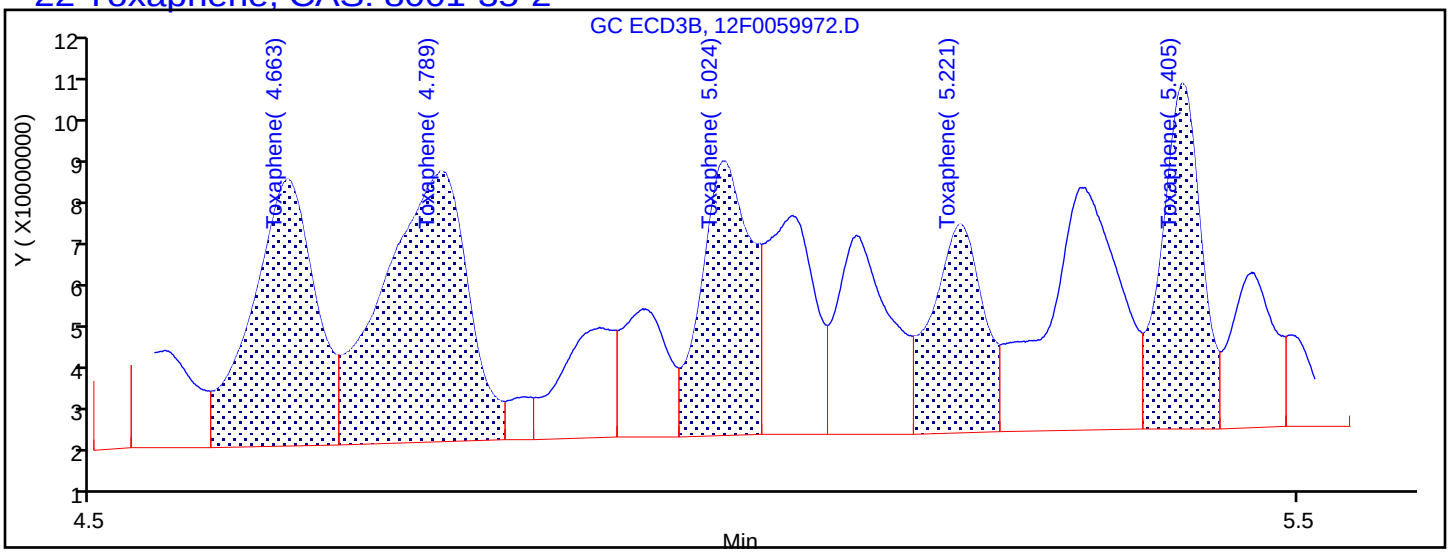


Report Date: 08-Apr-2024 03:44:26 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

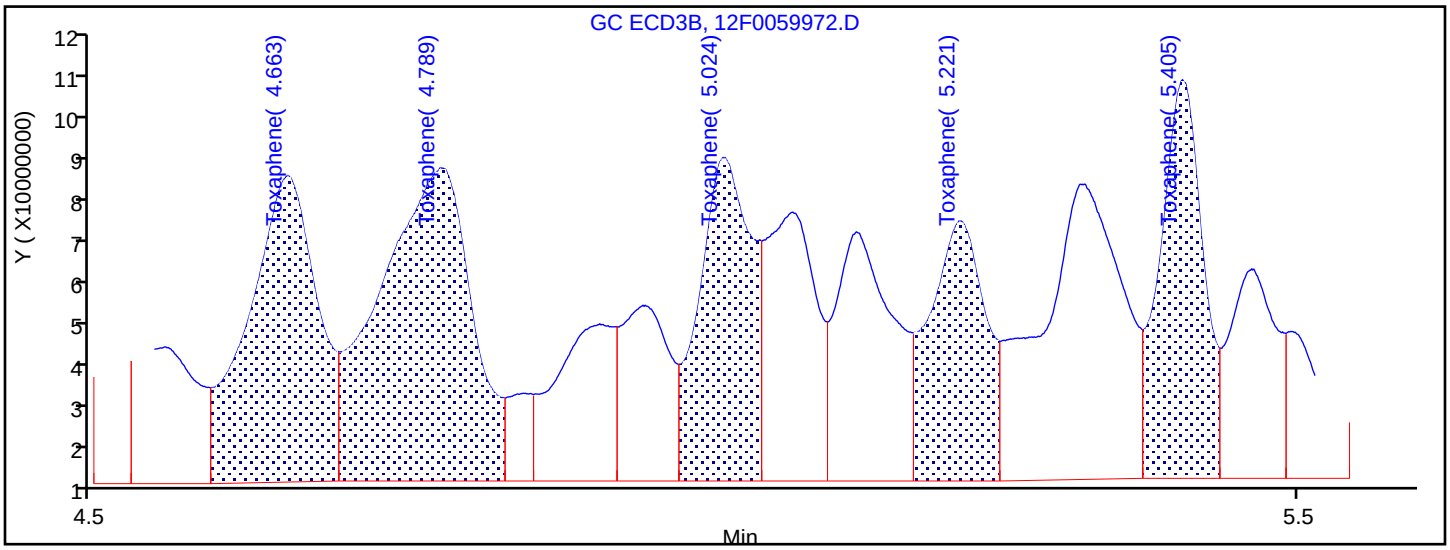
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Injection Date: 05-Apr-2024 12:20:02 Instrument ID: CPESTGC12
Lims ID: ICV TOX
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.663	Response = 234296319
4.789	Response = 319327071
5.024	Response = 187652058
5.221	Response = 147659072
5.405	Response = 187824073



Manual Integration Results

4.663	Response = 296012797	M
4.789	Response = 404475179	M
5.024	Response = 235093112	M
5.221	Response = 200463610	M
5.405	Response = 237870967	M

Reviewer: ESS0, 08-Apr-2024 03:13:12 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-974654/3 | Calibration Date: 05/14/2024 02:40

Instrument ID: CPESTGC12 | Calib Start Date: 04/05/2024 08:38

GC Column: CLP-2 ID: 0.53(mm) | Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0061046.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.497	1.576		105	100	5.3	20.0
gamma-BHC (Lindane)	Ave	1.347	1.422		106	100	5.6	20.0
beta-BHC	Ave	0.5885	0.6162		105	100	4.7	20.0
delta-BHC	Ave	1.289	1.319		102	100	2.3	20.0
Heptachlor	Ave	1.363	1.393		102	100	2.2	20.0
Aldrin	Ave	1.415	1.526		108	100	7.8	20.0
Heptachlor epoxide	Ave	1.214	1.286		106	100	6.0	20.0
trans-Chlordane	Ave	1.237	1.307		106	100	5.6	20.0
cis-Chlordane	Ave	1.187	1.258		106	100	6.0	20.0
Endosulfan I	Ave	1.115	1.202		108	100	7.8	20.0
4,4'-DDE	Ave	1.274	1.365		107	100	7.2	20.0
Dieldrin	Ave	1.315	1.390		106	100	5.7	20.0
Endrin	Ave	1.229	1.168		95.0	100	-5.0	20.0
4,4'-DDD	Ave	1.092	1.142		105	100	4.6	20.0
Endosulfan II	Ave	1.087	1.152		106	100	6.0	20.0
4,4'-DDT	Ave	1.086	1.007		92.7	100	-7.3	20.0
Endrin aldehyde	Ave	0.8121	0.8926		110	100	9.9	20.0
Endosulfan sulfate	Ave	1.010	1.005		99.4	100	-0.6	20.0
Methoxychlor	Ave	0.6081	0.5462		89.8	100	-10.2	20.0
Mirex	Ave	0.9010	0.9311		103	100	3.3	20.0
Endrin ketone	Ave	1.038	1.025		98.7	100	-1.3	20.0
Tetrachloro-m-xylene	Ave	1.039	1.100		106	100	5.9	20.0
DCB Decachlorobiphenyl	Ave	1.110	1.128		102	100	1.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-974654/3 Calibration Date: 05/14/2024 02:40

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0061046.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.32	2.31	2.33
gamma-BHC (Lindane)	2.59	2.58	2.60
beta-BHC	2.64	2.63	2.65
delta-BHC	2.91	2.90	2.92
Heptachlor	2.98	2.97	2.99
Aldrin	3.31	3.30	3.32
Heptachlor epoxide	3.97	3.96	3.98
trans-Chlordane	4.18	4.17	4.19
cis-Chlordane	4.36	4.35	4.37
Endosulfan I	4.43	4.42	4.44
4,4'-DDE	4.58	4.57	4.59
Dieldrin	4.77	4.76	4.78
Endrin	5.09	5.08	5.10
4,4'-DDD	5.22	5.21	5.23
Endosulfan II	5.30	5.29	5.31
4,4'-DDT	5.53	5.52	5.54
Endrin aldehyde	5.64	5.63	5.65
Endosulfan sulfate	5.97	5.96	5.98
Methoxychlor	6.52	6.51	6.53
Mirex	6.67	6.66	6.68
Endrin ketone	6.77	6.76	6.78
Tetrachloro-m-xylene	1.93	1.92	1.94
DCB Decachlorobiphenyl	8.16	8.15	8.17

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-May-2024 02:40:56 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-003
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:45:07 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:07:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							M
1	1.458	1.458	0.000	187624349	100.0	100.0	
2	1.435	1.435	0.000	352101581	100.0	100.0	M
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.930	1.930	0.000	206413158	100.0	105.9	
2	1.797	1.797	0.000	377834588	100.0	106.4	
						RPD = 0.45	
15 alpha-BHC							
1	2.321	2.321	0.000	295667792	100.0	105.3	
2	2.103	2.103	0.000	533517908	100.0	94.9	
						RPD = 10.42	
2 gamma-BHC (Lindane)							M
1	2.589	2.589	0.000	266846865	100.0	105.6	M
2	2.296	2.296	0.000	497546321	100.0	101.5	
						RPD = 3.97	
6 beta-BHC							M
1	2.642	2.642	0.000	115622259	100.0	104.7	M
2	2.345	2.345	0.000	201669554	100.0	101.4	
						RPD = 3.21	
32 delta-BHC							M
1	2.909	2.909	0.000	247420100	100.0	102.3	M
2	2.469	2.469	0.000	449486682	100.0	96.1	
						RPD = 6.26	
18 Heptachlor							M
1	2.978	2.978	0.000	261339691	100.0	102.2	M
2	2.632	2.632	0.000	439867352	100.0	93.1	
						RPD = 9.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.311	3.311	0.000	286243018	100.0	107.8	
2	2.871	2.871	0.000	481782913	100.0	101.5	
						RPD = 6.05	
12 Heptachlor epoxide							
1	3.972	3.972	0.000	241367706	100.0	106.0	
2	3.427	3.427	0.000	416569366	100.0	102.1	
						RPD = 3.69	
9 trans-Chlordane							
1	4.182	4.182	0.000	245192905	100.0	105.6	
2	3.562	3.562	0.000	424861480	100.0	99.3	
						RPD = 6.18	
23 cis-Chlordane							M
1	4.357	4.357	0.000	236056812	100.0	106.0	M
2	3.711	3.711	0.000	410443449	100.0	99.8	M
						RPD = 6.06	
7 Endosulfan I							M
1	4.429	4.429	0.000	225526015	100.0	107.8	M
2	3.860	3.860	0.000	393503393	100.0	103.3	M
						RPD = 4.30	
25 4,4'-DDE							M
1	4.582	4.582	0.000	256160644	100.0	107.2	
2	3.801	3.801	0.000	448661158	100.0	103.0	M
						RPD = 3.97	
30 Dieldrin							
1	4.768	4.768	0.000	260804837	100.0	105.7	
2	4.110	4.110	0.000	440730760	100.0	101.2	
						RPD = 4.32	
20 Endrin							
1	5.090	5.090	0.000	219137672	100.0	95.0	
2	4.363	4.363	0.000	364401215	100.0	90.8	
						RPD = 4.58	
16 4,4'-DDD							
1	5.217	5.217	0.000	214227606	100.0	104.6	
2	4.461	4.461	0.000	346819545	100.0	98.7	
						RPD = 5.75	
11 Endosulfan II							
1	5.296	5.296	0.000	216101250	100.0	106.0	
2	4.629	4.629	0.000	352522543	100.0	103.4	
						RPD = 2.50	
21 4,4'-DDT							
1	5.529	5.529	0.000	188907288	100.0	92.7	
2	4.792	4.792	0.000	300326360	100.0	82.7	
						RPD = 11.42	
5 Endrin aldehyde							
1	5.641	5.641	0.000	167471373	100.0	109.9	
2	5.065	5.065	0.000	295592922	100.0	102.8	
						RPD = 6.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							M
1	5.968	5.968	0.000	188492703	100.0	99.4	
2	5.467	5.467	0.000	335057533	100.0	97.6	M
						RPD = 1.86	
10 Methoxychlor							M
1	6.517	6.517	0.000	102473771	100.0	89.8	
2	5.293	5.293	0.000	161564953	100.0	81.4	M
						RPD = 9.87	
34 Mirex							M
1	6.666	6.666	0.000	174700764	100.0	103.3	M
2	5.365	5.365	0.000	290036997	100.0	96.9	M
						RPD = 6.44	
13 Endrin ketone							M
1	6.771	6.771	0.000	192259661	100.0	98.7	M
2	5.740	5.740	0.000	340241351	100.0	96.6	
						RPD = 2.14	
$ 24 DCB Decachlorobiphenyl							
1	8.157	8.157	0.000	211698108	100.0	101.7	
2	7.314	7.314	0.000	408141858	100.0	103.7	
						RPD = 1.95	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

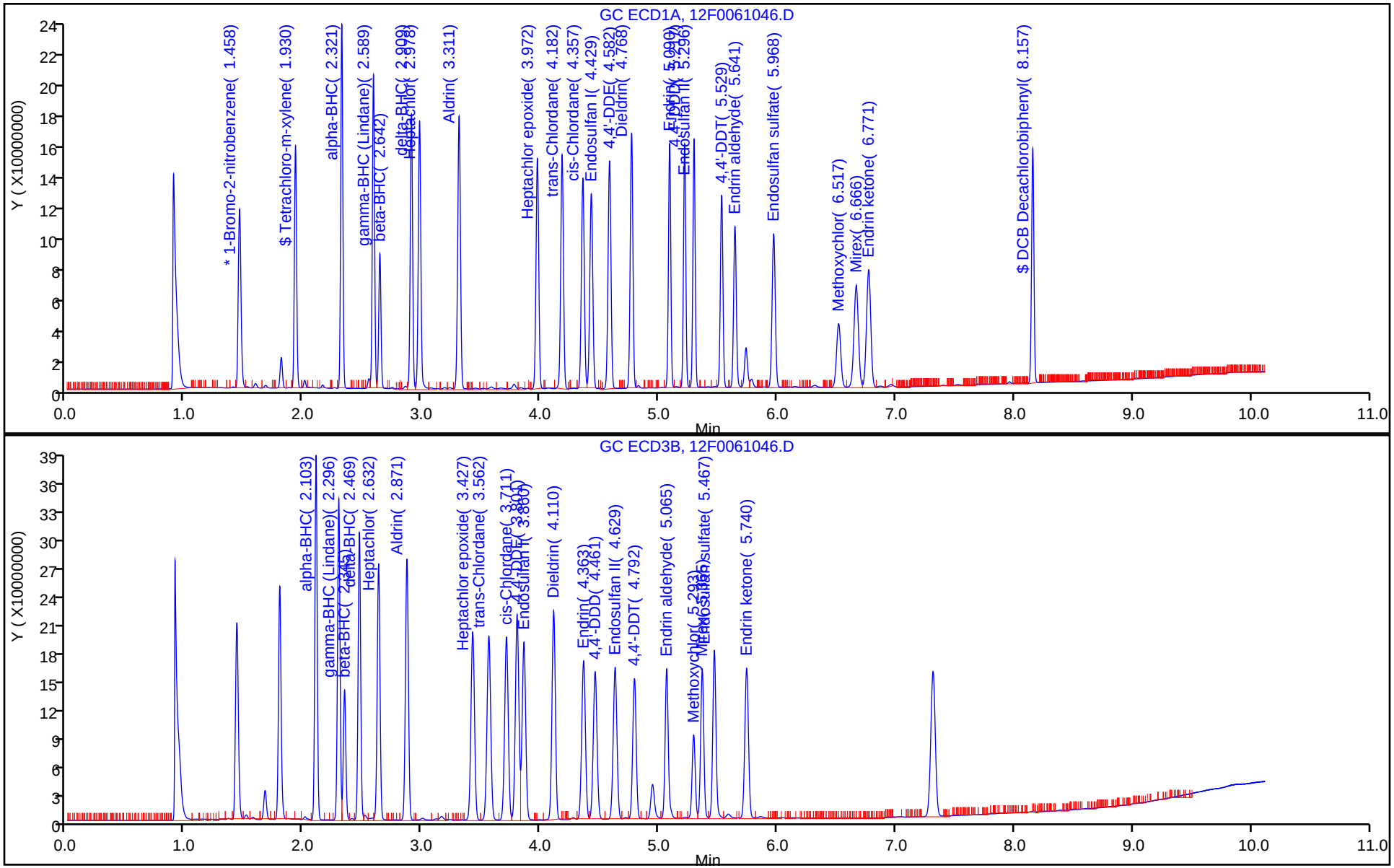
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SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 14-May-2024 04:45:07 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

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Injection Date:	14-May-2024 02:40:56	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Manual Integration/User Assign Peak Report

Eurofins Edison

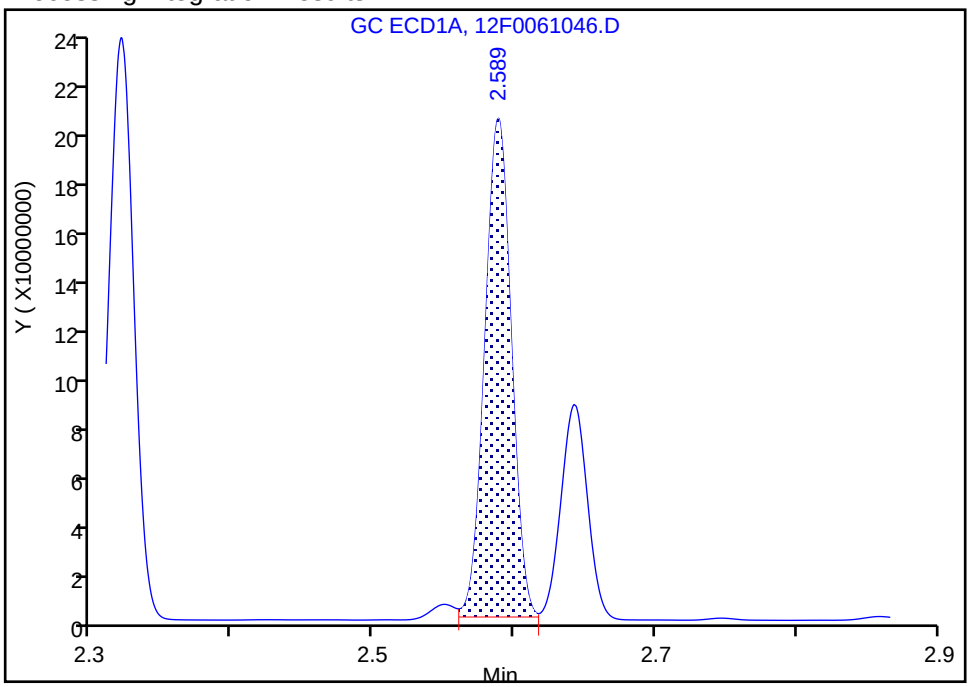
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

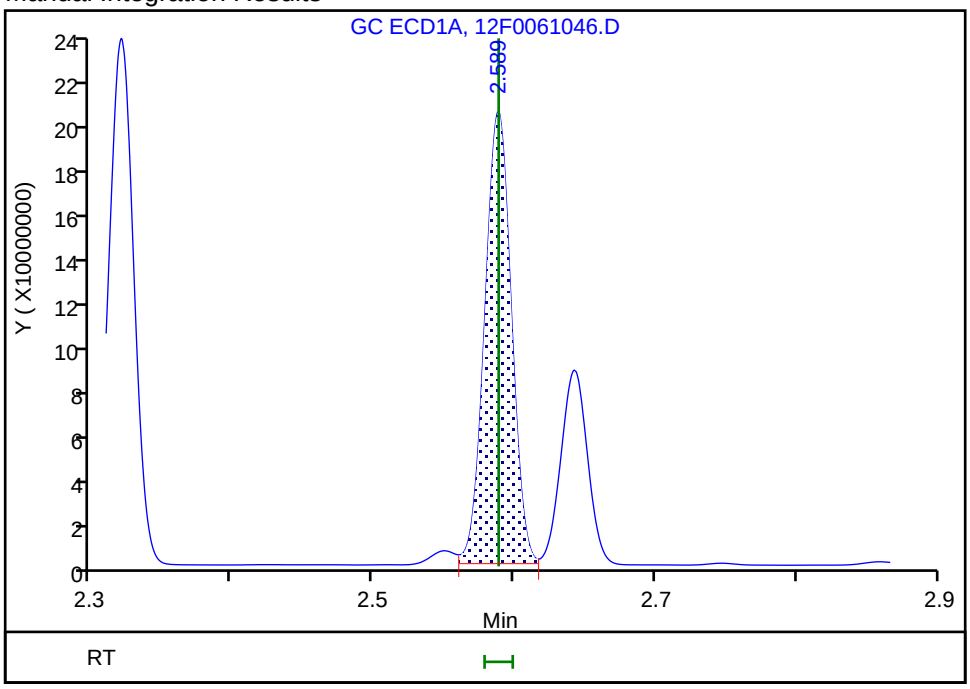
Processing Integration Results

RT: 2.59
Area: 263340641
Amount: 104.1948
Amount Units: ug/l



Manual Integration Results

RT: 2.59
Area: 266846865
Amount: 105.5821
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:11 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

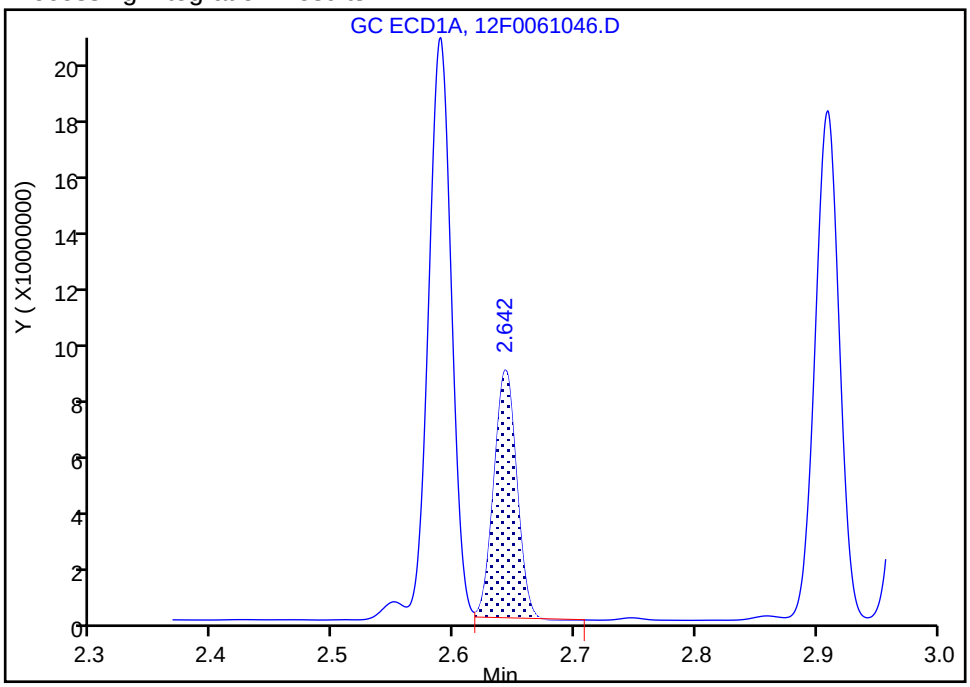
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

6 beta-BHC, CAS: 319-85-7

Signal: 1

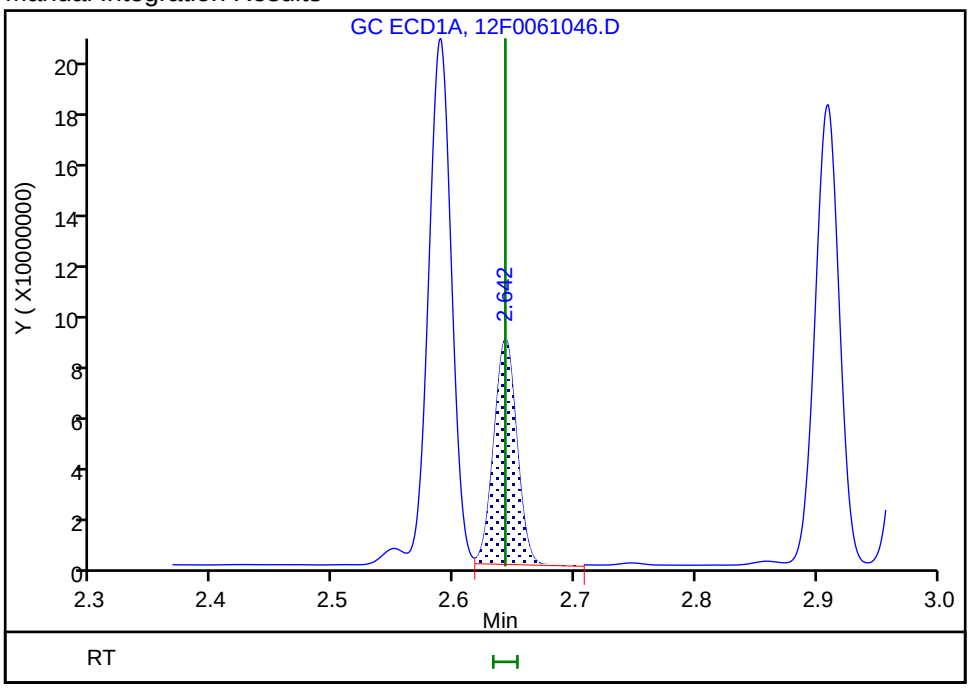
Processing Integration Results

RT: 2.64
Area: 112811002
Amount: 102.1732
Amount Units: ug/l



Manual Integration Results

RT: 2.64
Area: 115622259
Amount: 104.7193
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:11 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

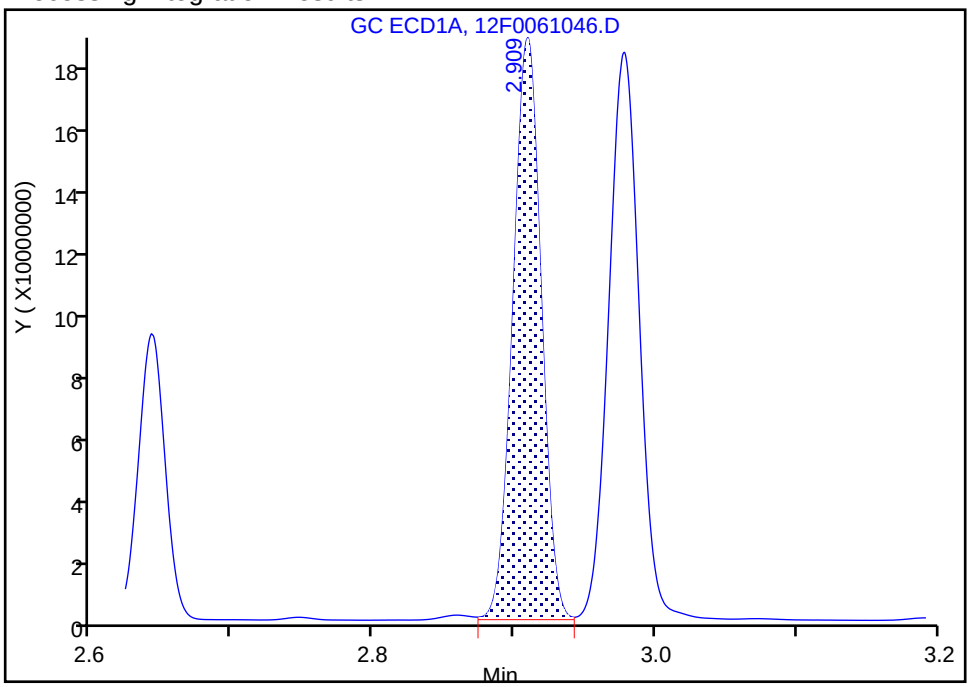
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

32 delta-BHC, CAS: 319-86-8

Signal: 1

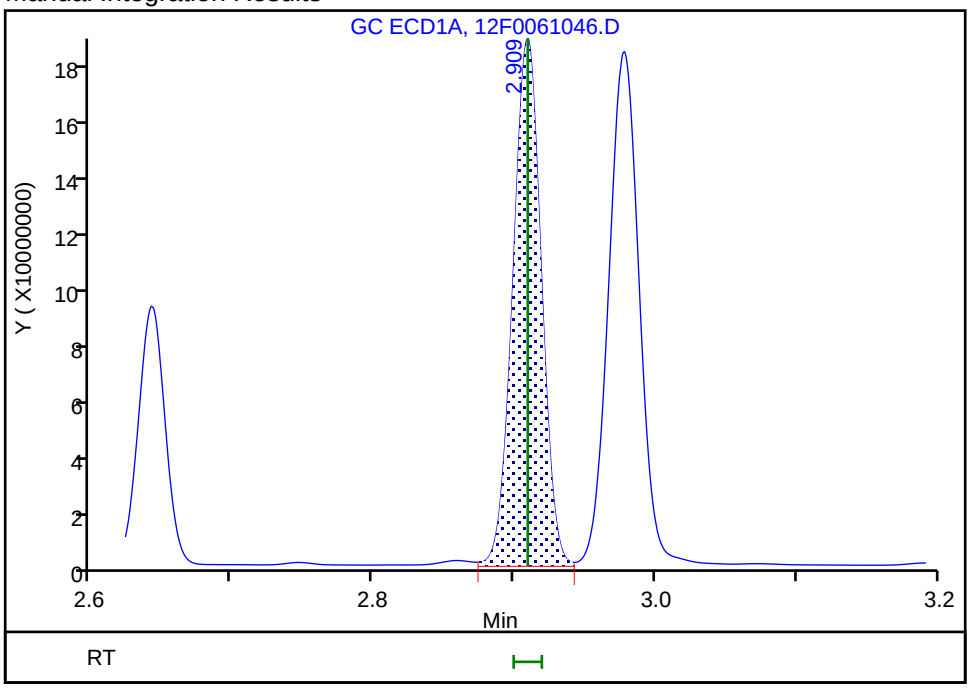
Processing Integration Results

RT: 2.91
Area: 245895833
Amount: 101.6528
Amount Units: ug/l



Manual Integration Results

RT: 2.91
Area: 247420100
Amount: 102.2829
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:13 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

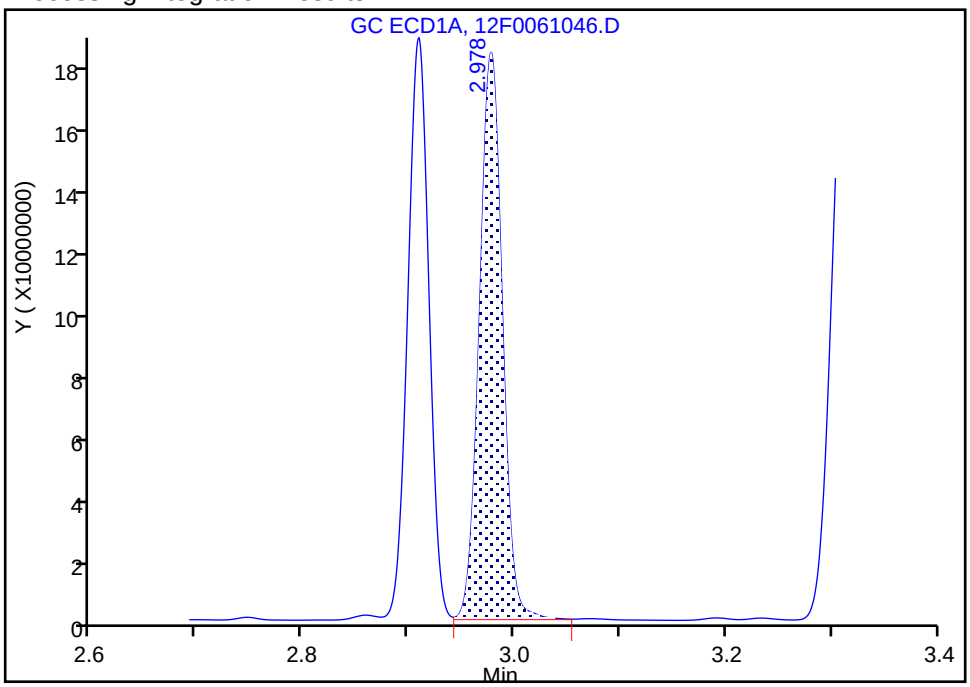
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8

Signal: 1

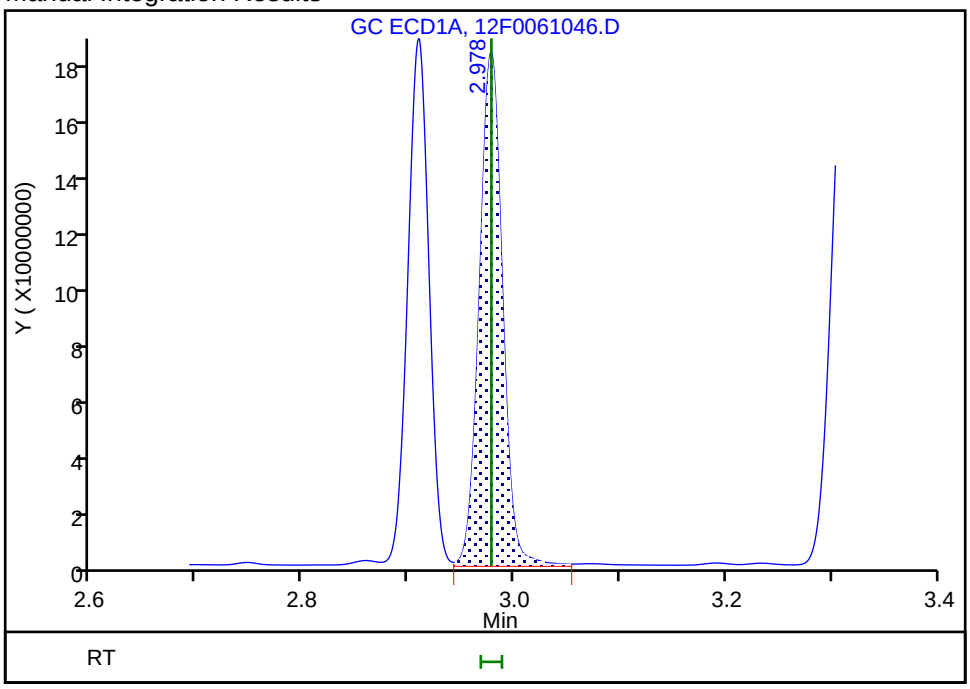
Processing Integration Results

RT: 2.98
Area: 258591294
Amount: 101.1310
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 261339691
Amount: 102.2058
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:13 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

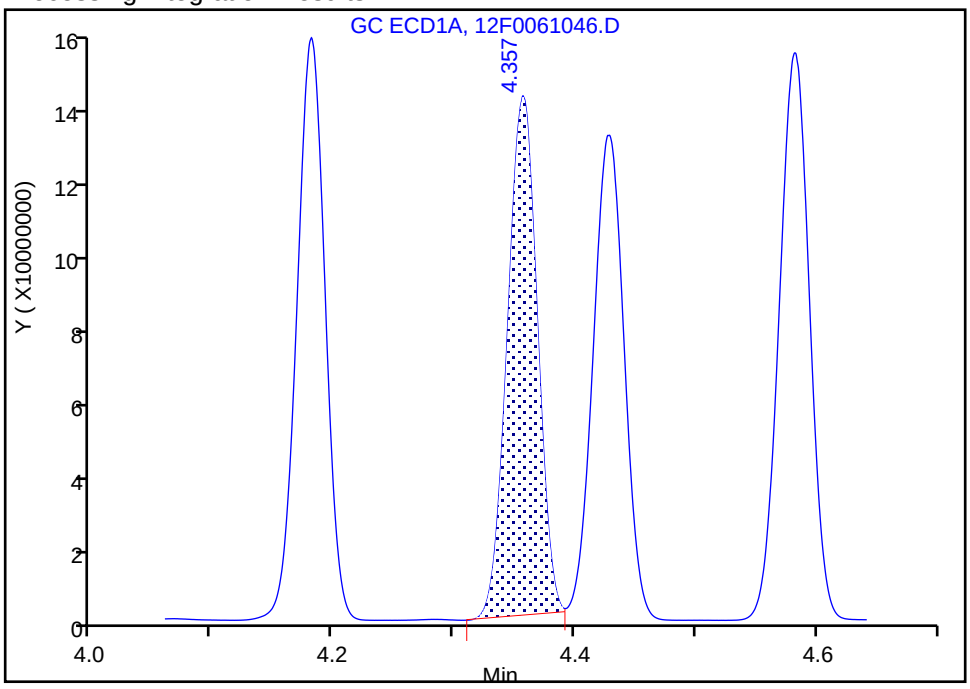
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

23 cis-Chlordane, CAS: 5103-71-9

Signal: 1

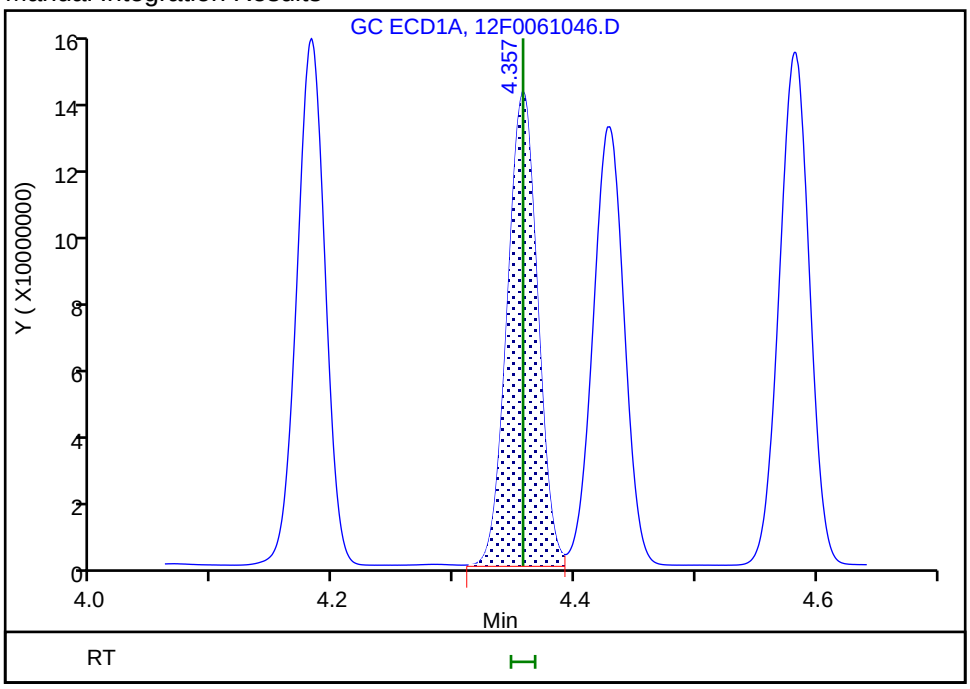
Processing Integration Results

RT: 4.36
Area: 230184688
Amount: 103.3492
Amount Units: ug/l



Manual Integration Results

RT: 4.36
Area: 236056812
Amount: 105.9857
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:19 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

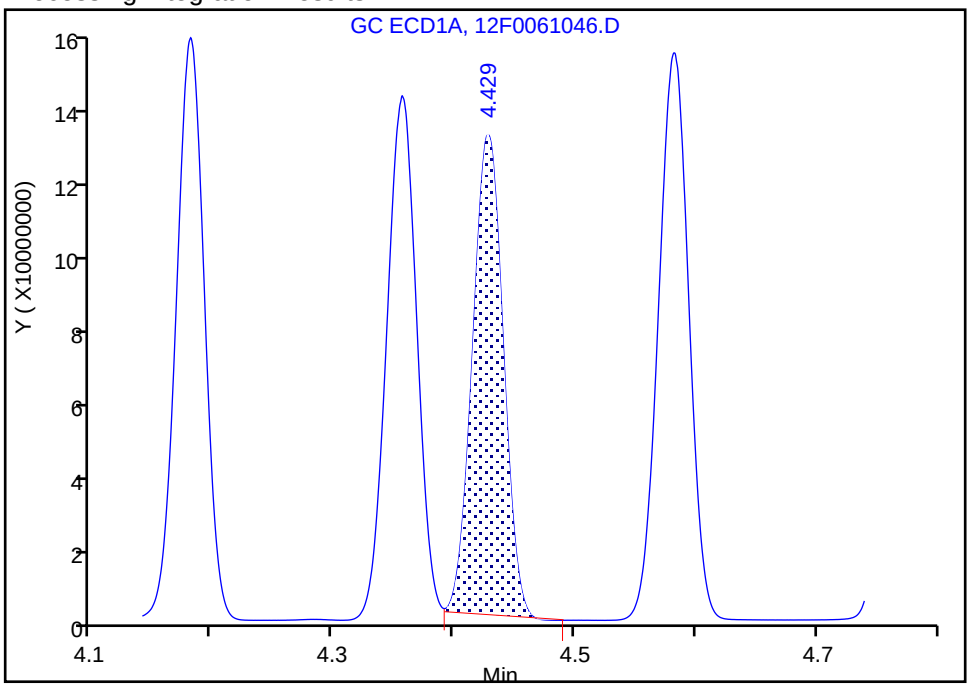
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

7 Endosulfan I, CAS: 959-98-8

Signal: 1

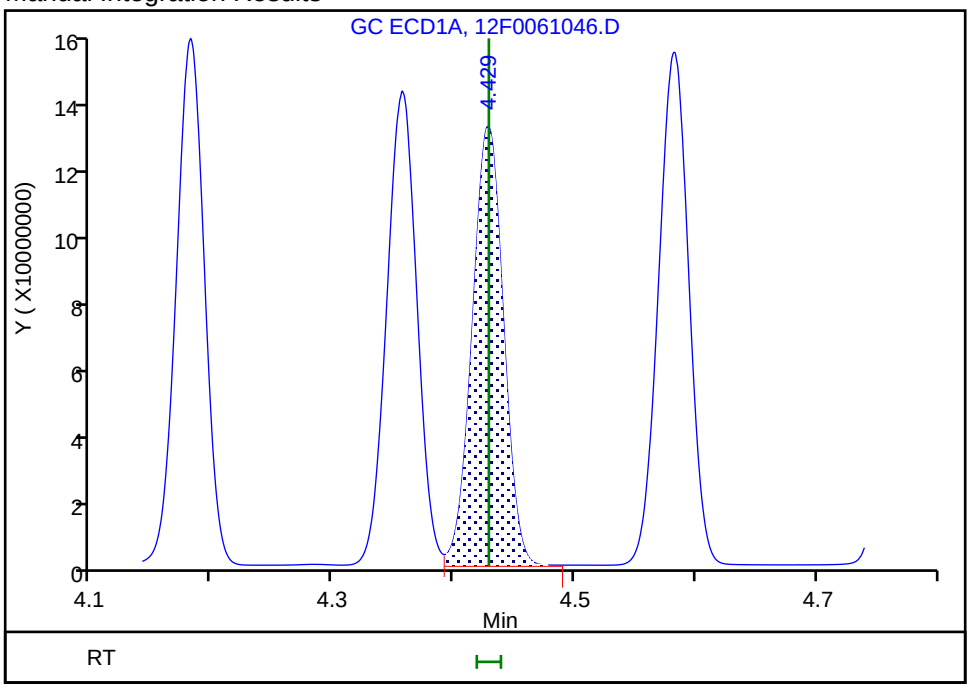
Processing Integration Results

RT: 4.43
Area: 219250521
Amount: 104.7933
Amount Units: ug/l



Manual Integration Results

RT: 4.43
Area: 225526015
Amount: 107.7928
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:19 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

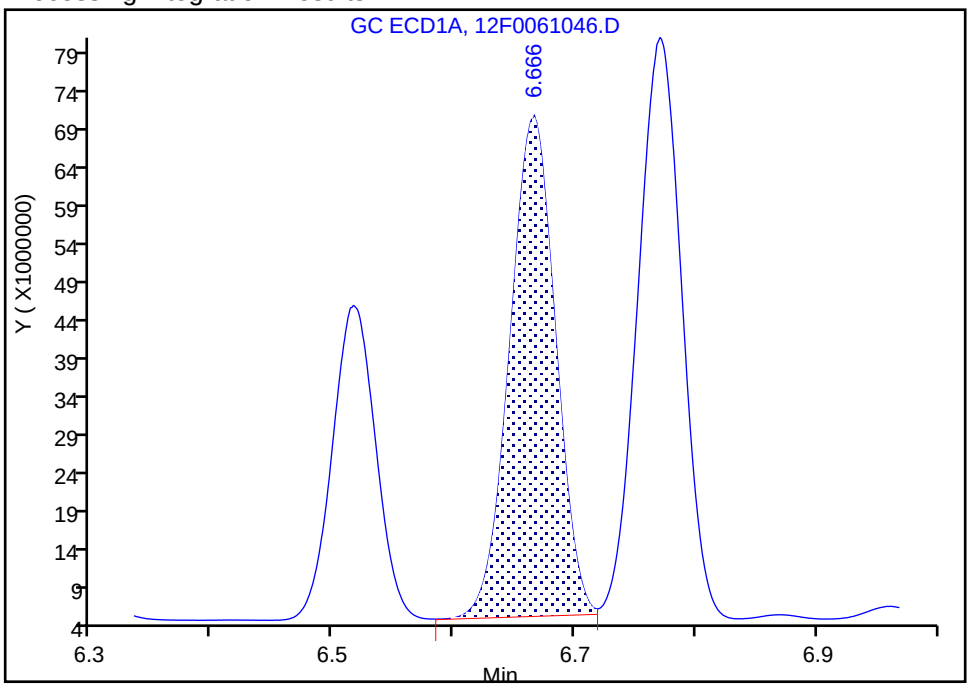
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

34 Mirex, CAS: 2385-85-5

Signal: 1

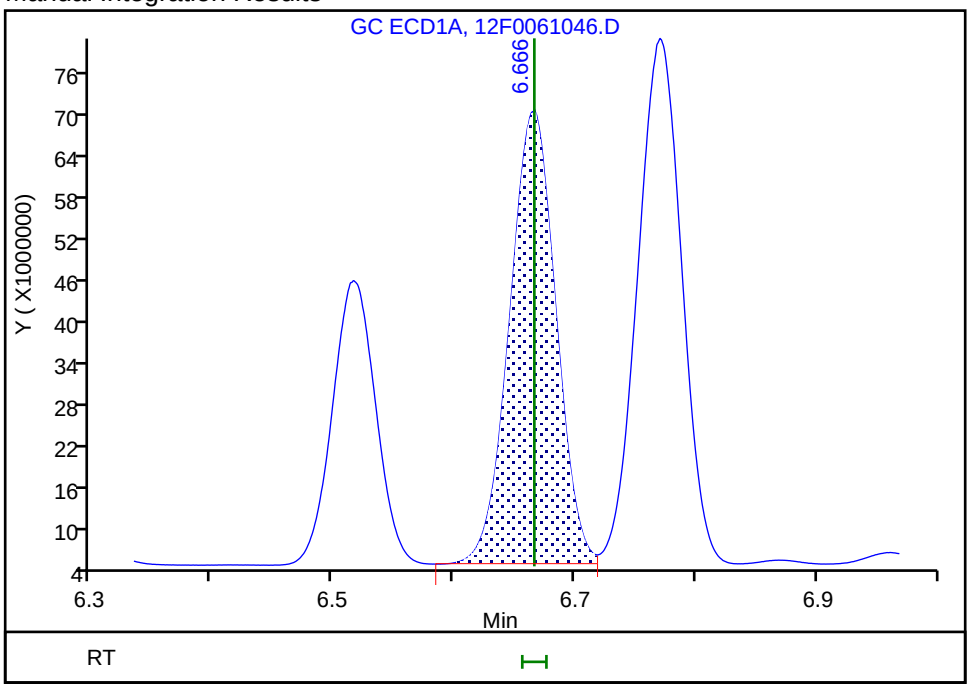
Processing Integration Results

RT: 6.67
Area: 171831344
Amount: 101.6420
Amount Units: ug/l



Manual Integration Results

RT: 6.67
Area: 174700764
Amount: 103.3393
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

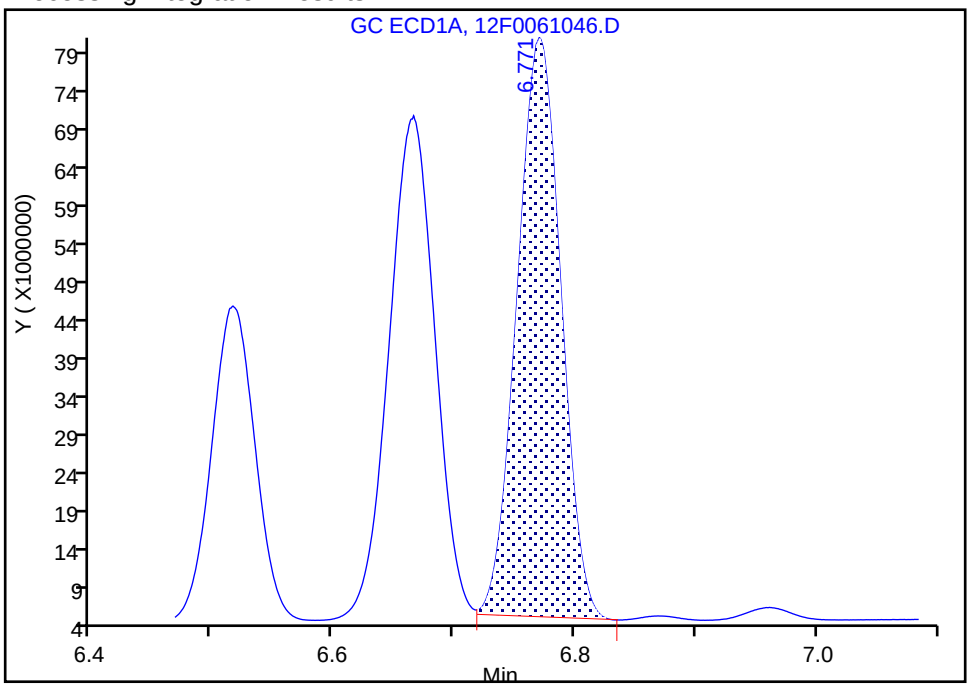
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

13 Endrin ketone, CAS: 53494-70-5

Signal: 1

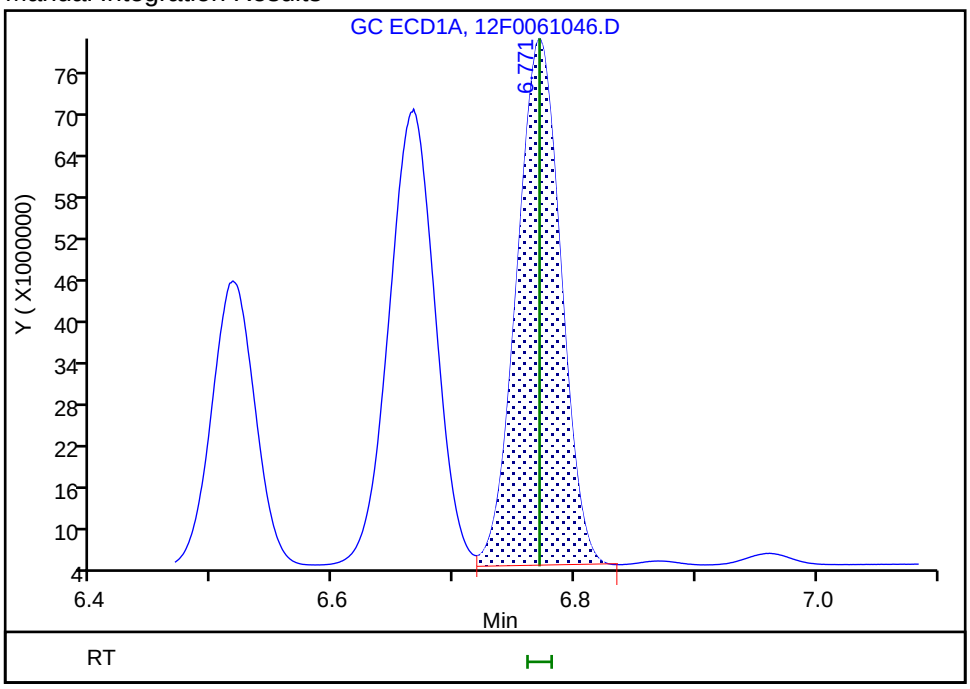
Processing Integration Results

RT: 6.77
Area: 189769713
Amount: 97.459831
Amount Units: ug/l



Manual Integration Results

RT: 6.77
Area: 192259661
Amount: 98.738591
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-974654/3 Calibration Date: 05/14/2024 02:40

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0061046.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin		1.515		94.9	100	-5.1	20.0
gamma-BHC (Lindane)	Ave	1.393	1.413		101	100	1.5	20.0
beta-BHC	Ave	0.5648	0.5728		101	100	1.4	20.0
delta-BHC	Ave	1.329	1.277		96.1	100	-3.9	20.0
Heptachlor	Ave	1.341	1.249		93.1	100	-6.9	20.0
Aldrin	Ave	1.348	1.368		101	100	1.5	20.0
Heptachlor epoxide	Ave	1.158	1.183		102	100	2.1	20.0
trans-Chlordane	Ave	1.215	1.207		99.3	100	-0.7	20.0
cis-Chlordane	Ave	1.169	1.166		99.8	100	-0.2	20.0
4,4'-DDE	Ave	1.237	1.274		103	100	3.0	20.0
Endosulfan I	Ave	1.082	1.118		103	100	3.3	20.0
Dieldrin	Ave	1.237	1.252		101	100	1.2	20.0
Endrin	Ave	1.140	1.035		90.8	100	-9.2	20.0
4,4'-DDD	Ave	0.998	0.9850		98.7	100	-1.3	20.0
Endosulfan II	Ave	0.9687	1.001		103	100	3.4	20.0
4,4'-DDT	Ave	1.031	0.8530		82.7	100	-17.3	20.0
Endrin aldehyde	Ave	0.8163	0.8395		103	100	2.8	20.0
Methoxychlor	Ave	0.5640	0.4589		81.4	100	-18.6	20.0
Mirex	Ave	0.8501	0.8237		96.9	100	-3.1	20.0
Endosulfan sulfate	Ave	0.9748	0.9516		97.6	100	-2.4	20.0
Endrin ketone	Ave	1.000	0.9663		96.6	100	-3.4	20.0
Tetrachloro-m-xylene	Ave	1.009	1.073		106	100	6.4	20.0
DCB Decachlorobiphenyl	Ave	1.118	1.159		104	100	3.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVIS 460-974654/3 Calibration Date: 05/14/2024 02:40

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 08:38

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 09:27

Lab File ID: 12F0061046.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.10	2.09	2.11
gamma-BHC (Lindane)	2.30	2.29	2.31
beta-BHC	2.35	2.34	2.36
delta-BHC	2.47	2.46	2.48
Heptachlor	2.63	2.62	2.64
Aldrin	2.87	2.86	2.88
Heptachlor epoxide	3.43	3.42	3.44
trans-Chlordane	3.56	3.55	3.57
cis-Chlordane	3.71	3.70	3.72
4,4'-DDE	3.80	3.79	3.81
Endosulfan I	3.86	3.85	3.87
Dieldrin	4.11	4.10	4.12
Endrin	4.36	4.35	4.37
4,4'-DDD	4.46	4.45	4.47
Endosulfan II	4.63	4.62	4.64
4,4'-DDT	4.79	4.78	4.80
Endrin aldehyde	5.07	5.06	5.08
Methoxychlor	5.29	5.28	5.30
Mirex	5.37	5.36	5.38
Endosulfan sulfate	5.47	5.46	5.48
Endrin ketone	5.74	5.73	5.75
Tetrachloro-m-xylene	1.80	1.79	1.81
DCB Decachlorobiphenyl	7.31	7.30	7.32

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-May-2024 02:40:56 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-003
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:45:07 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:07:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							M
1	1.458	1.458	0.000	187624349	100.0	100.0	
2	1.435	1.435	0.000	352101581	100.0	100.0	M
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.930	1.930	0.000	206413158	100.0	105.9	
2	1.797	1.797	0.000	377834588	100.0	106.4	
						RPD = 0.45	
15 alpha-BHC							
1	2.321	2.321	0.000	295667792	100.0	105.3	
2	2.103	2.103	0.000	533517908	100.0	94.9	
						RPD = 10.42	
2 gamma-BHC (Lindane)							M
1	2.589	2.589	0.000	266846865	100.0	105.6	M
2	2.296	2.296	0.000	497546321	100.0	101.5	
						RPD = 3.97	
6 beta-BHC							M
1	2.642	2.642	0.000	115622259	100.0	104.7	M
2	2.345	2.345	0.000	201669554	100.0	101.4	
						RPD = 3.21	
32 delta-BHC							M
1	2.909	2.909	0.000	247420100	100.0	102.3	M
2	2.469	2.469	0.000	449486682	100.0	96.1	
						RPD = 6.26	
18 Heptachlor							M
1	2.978	2.978	0.000	261339691	100.0	102.2	M
2	2.632	2.632	0.000	439867352	100.0	93.1	
						RPD = 9.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.311	3.311	0.000	286243018	100.0	107.8	
2	2.871	2.871	0.000	481782913	100.0	101.5	
						RPD = 6.05	
12 Heptachlor epoxide							
1	3.972	3.972	0.000	241367706	100.0	106.0	
2	3.427	3.427	0.000	416569366	100.0	102.1	
						RPD = 3.69	
9 trans-Chlordane							
1	4.182	4.182	0.000	245192905	100.0	105.6	
2	3.562	3.562	0.000	424861480	100.0	99.3	
						RPD = 6.18	
23 cis-Chlordane							M
1	4.357	4.357	0.000	236056812	100.0	106.0	M
2	3.711	3.711	0.000	410443449	100.0	99.8	M
						RPD = 6.06	
7 Endosulfan I							M
1	4.429	4.429	0.000	225526015	100.0	107.8	M
2	3.860	3.860	0.000	393503393	100.0	103.3	M
						RPD = 4.30	
25 4,4'-DDE							M
1	4.582	4.582	0.000	256160644	100.0	107.2	
2	3.801	3.801	0.000	448661158	100.0	103.0	M
						RPD = 3.97	
30 Dieldrin							
1	4.768	4.768	0.000	260804837	100.0	105.7	
2	4.110	4.110	0.000	440730760	100.0	101.2	
						RPD = 4.32	
20 Endrin							
1	5.090	5.090	0.000	219137672	100.0	95.0	
2	4.363	4.363	0.000	364401215	100.0	90.8	
						RPD = 4.58	
16 4,4'-DDD							
1	5.217	5.217	0.000	214227606	100.0	104.6	
2	4.461	4.461	0.000	346819545	100.0	98.7	
						RPD = 5.75	
11 Endosulfan II							
1	5.296	5.296	0.000	216101250	100.0	106.0	
2	4.629	4.629	0.000	352522543	100.0	103.4	
						RPD = 2.50	
21 4,4'-DDT							
1	5.529	5.529	0.000	188907288	100.0	92.7	
2	4.792	4.792	0.000	300326360	100.0	82.7	
						RPD = 11.42	
5 Endrin aldehyde							
1	5.641	5.641	0.000	167471373	100.0	109.9	
2	5.065	5.065	0.000	295592922	100.0	102.8	
						RPD = 6.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							M
1	5.968	5.968	0.000	188492703	100.0	99.4	
2	5.467	5.467	0.000	335057533	100.0	97.6	M
						RPD = 1.86	
10 Methoxychlor							M
1	6.517	6.517	0.000	102473771	100.0	89.8	
2	5.293	5.293	0.000	161564953	100.0	81.4	M
						RPD = 9.87	
34 Mirex							M
1	6.666	6.666	0.000	174700764	100.0	103.3	M
2	5.365	5.365	0.000	290036997	100.0	96.9	M
						RPD = 6.44	
13 Endrin ketone							M
1	6.771	6.771	0.000	192259661	100.0	98.7	M
2	5.740	5.740	0.000	340241351	100.0	96.6	
						RPD = 2.14	
$ 24 DCB Decachlorobiphenyl							
1	8.157	8.157	0.000	211698108	100.0	101.7	
2	7.314	7.314	0.000	408141858	100.0	103.7	
						RPD = 1.95	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

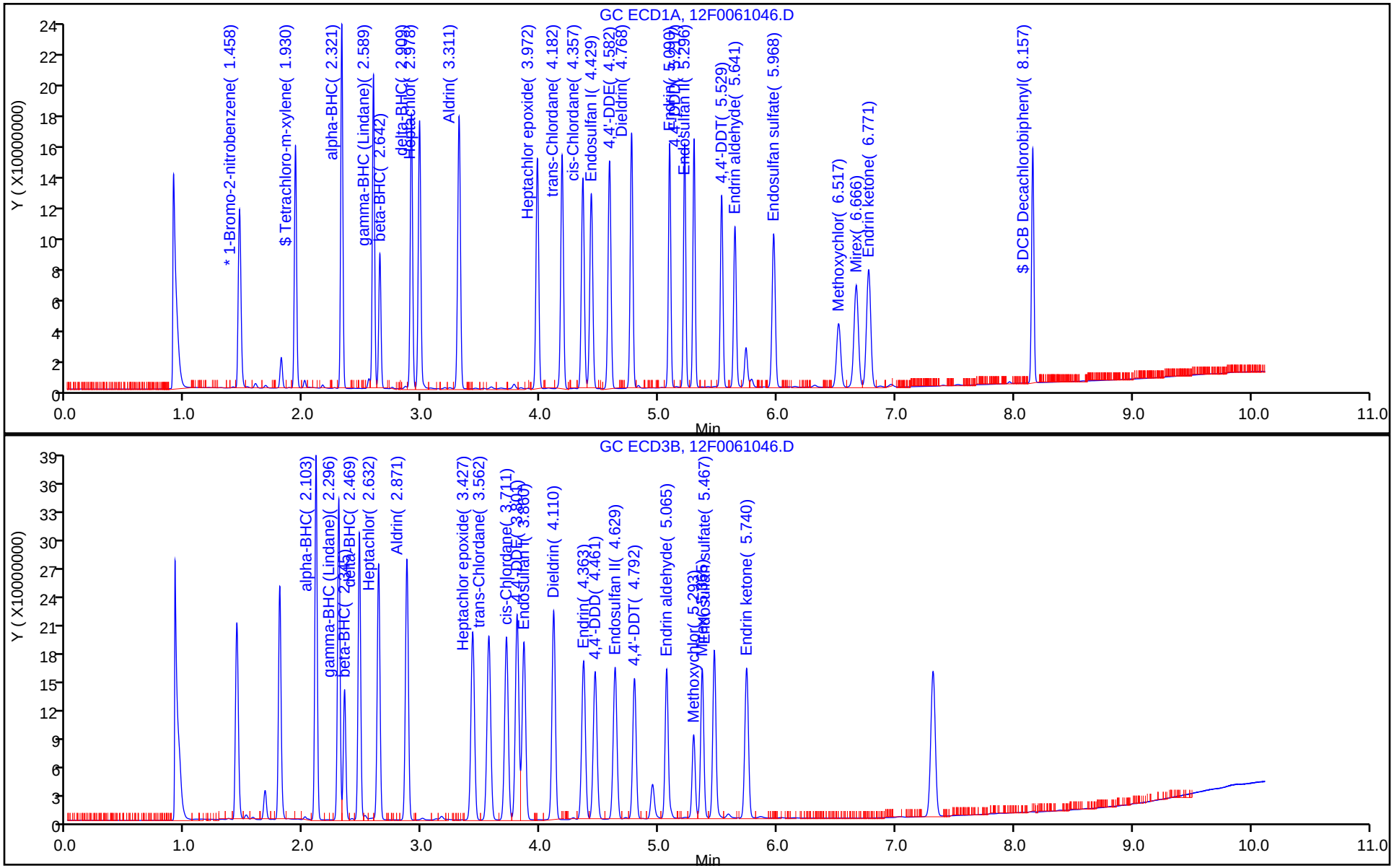
SGPESTL3_00044	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 14-May-2024 04:45:08 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D

Injection Date:	14-May-2024 02:40:56	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Manual Integration/User Assign Peak Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D

Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12

Lims ID: CCVIS

Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

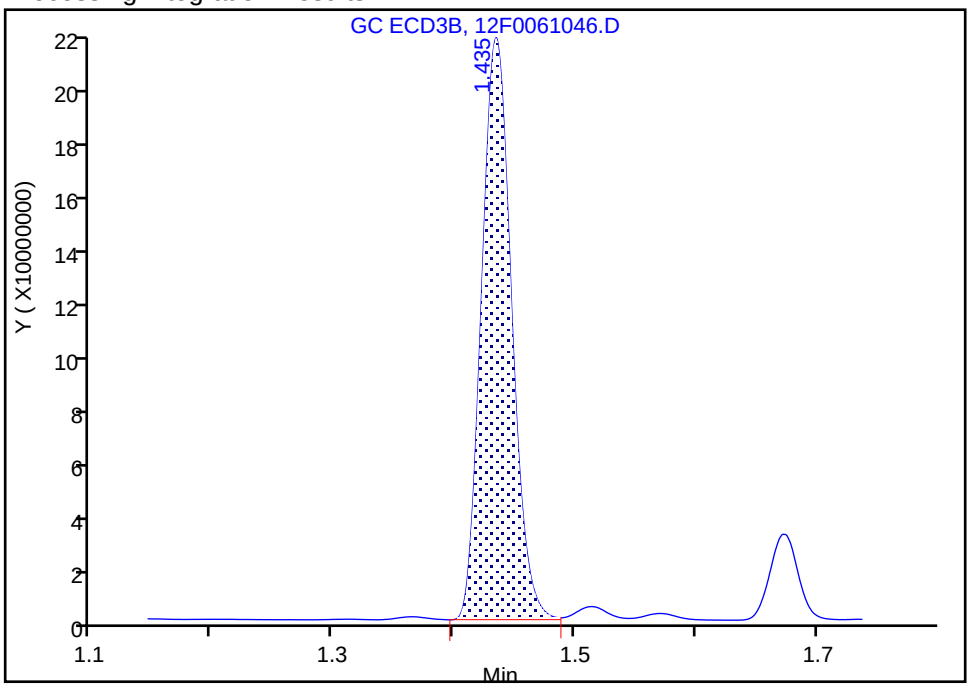
Column: Detector GC ECD2B

* 37 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

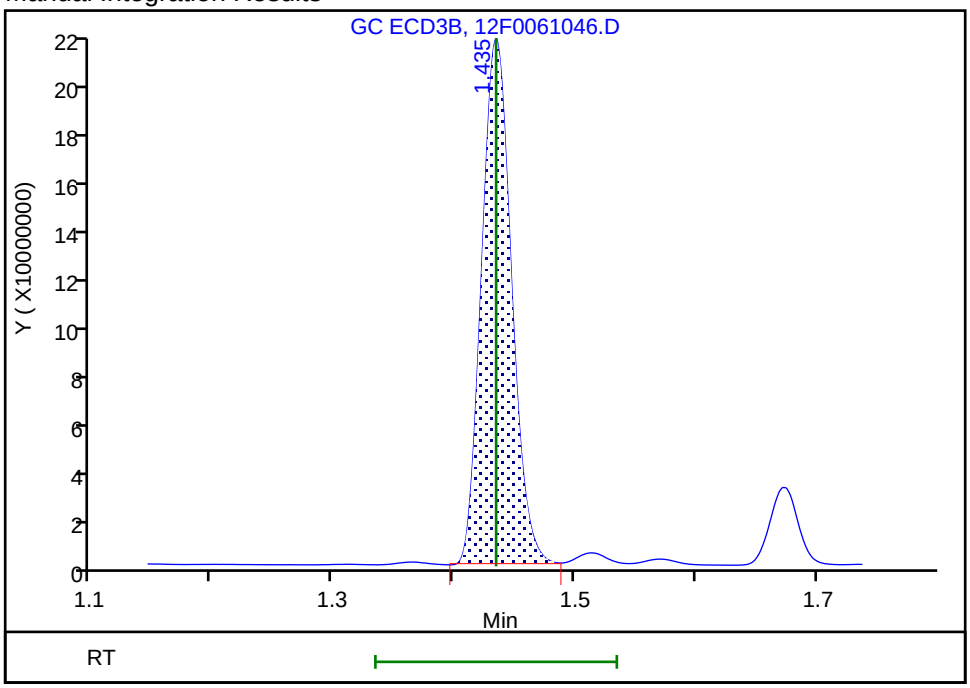
RT: 1.43
Area: 353076139
Amount: 100.0000
Amount Units: ug/l

Processing Integration Results



RT: 1.43
Area: 352101581
Amount: 100.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: ESS0, 14-May-2024 03:05:47 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D

Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12

Lims ID: CCVIS

Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

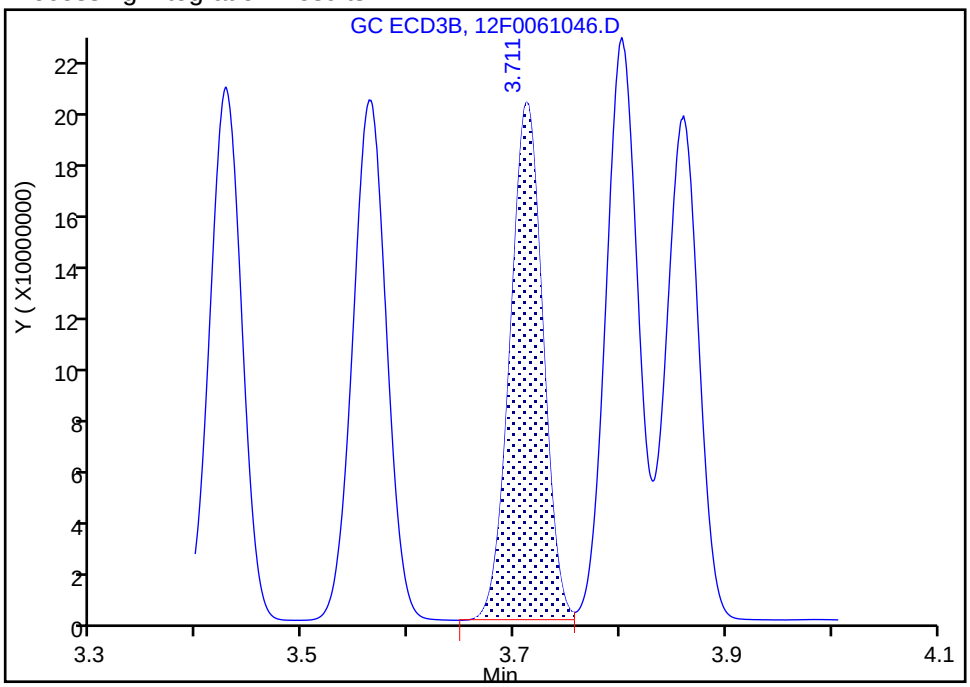
Column: Detector GC ECD2B

23 cis-Chlordane, CAS: 5103-71-9

Signal: 2

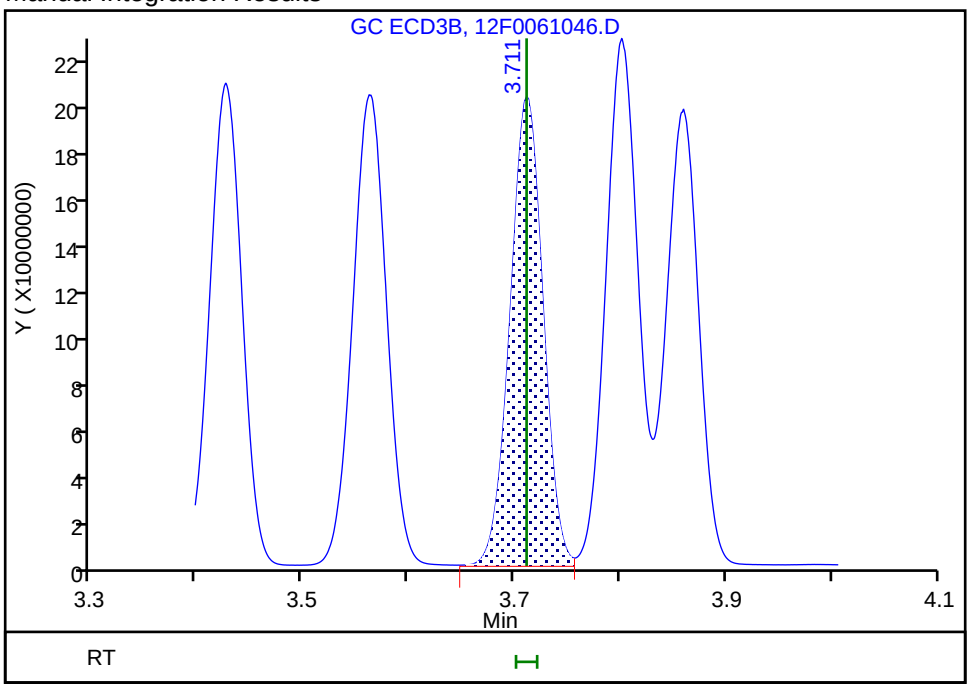
Processing Integration Results

RT: 3.71
Area: 408402487
Amount: 99.259609
Amount Units: ug/l



Manual Integration Results

RT: 3.71
Area: 410443449
Amount: 99.755652
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

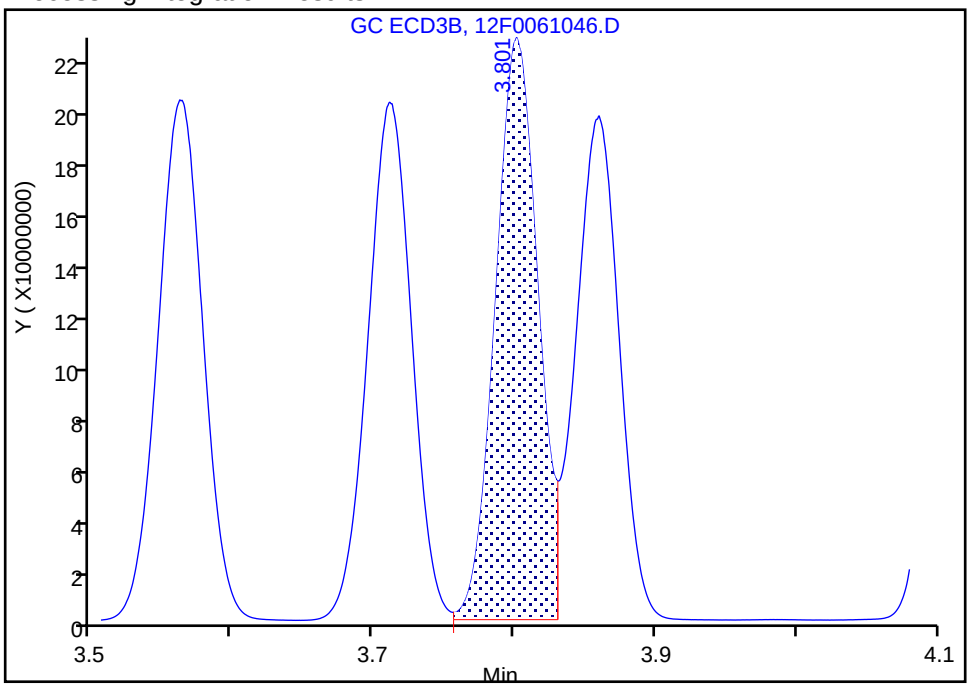
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

25 4,4'-DDE, CAS: 72-55-9

Signal: 2

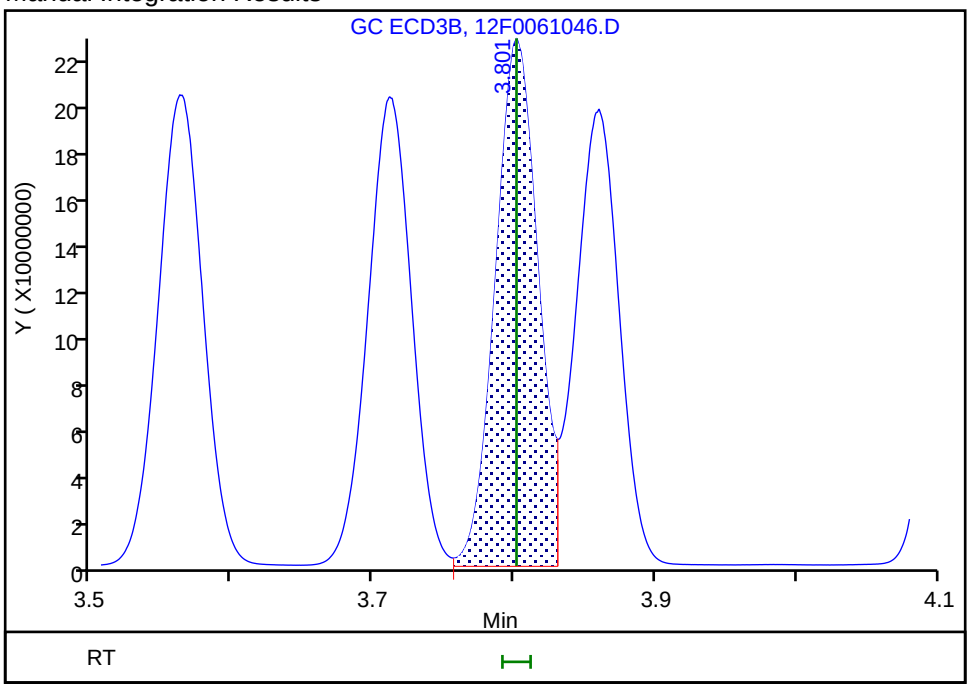
Processing Integration Results

RT: 3.80
Area: 446064309
Amount: 102.3962
Amount Units: ug/l



Manual Integration Results

RT: 3.80
Area: 448661158
Amount: 102.9923
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:42 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

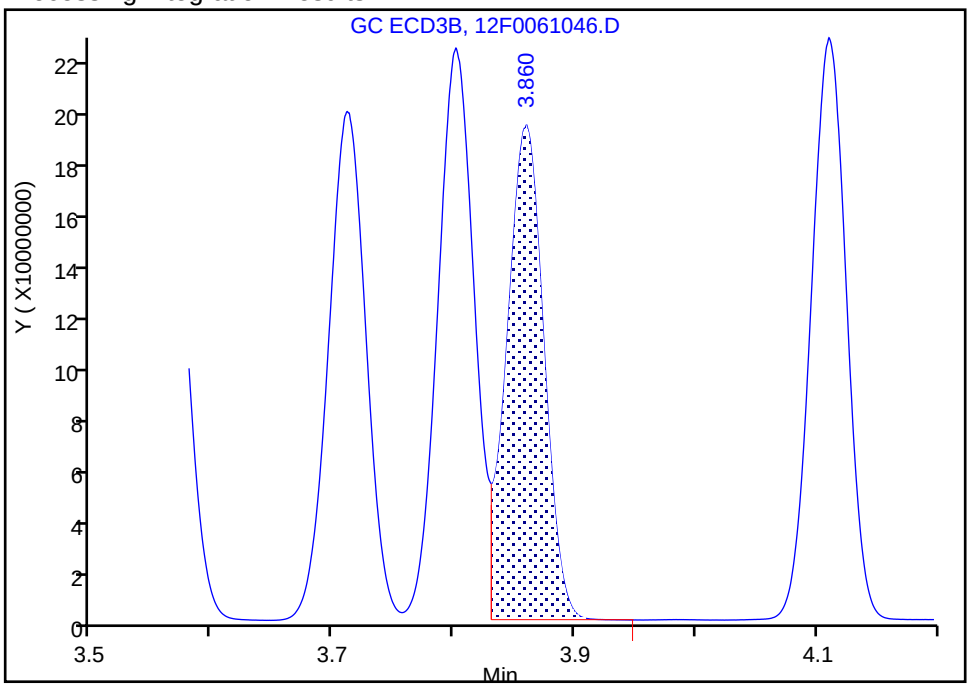
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

7 Endosulfan I, CAS: 959-98-8

Signal: 2

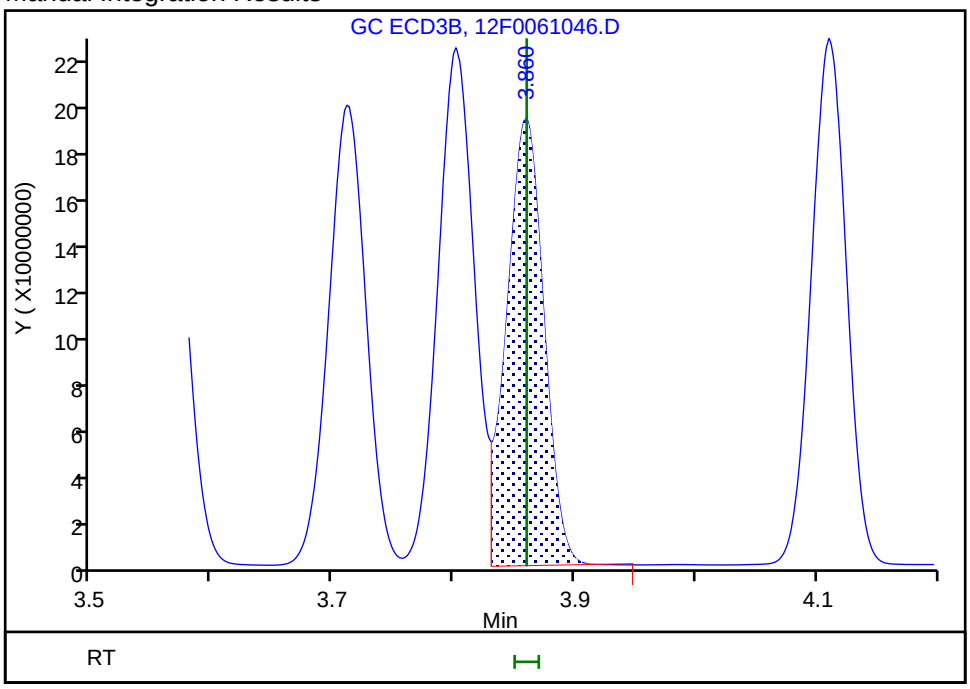
Processing Integration Results

RT: 3.86
Area: 391575554
Amount: 102.7456
Amount Units: ug/l



Manual Integration Results

RT: 3.86
Area: 393503393
Amount: 103.2514
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:42 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

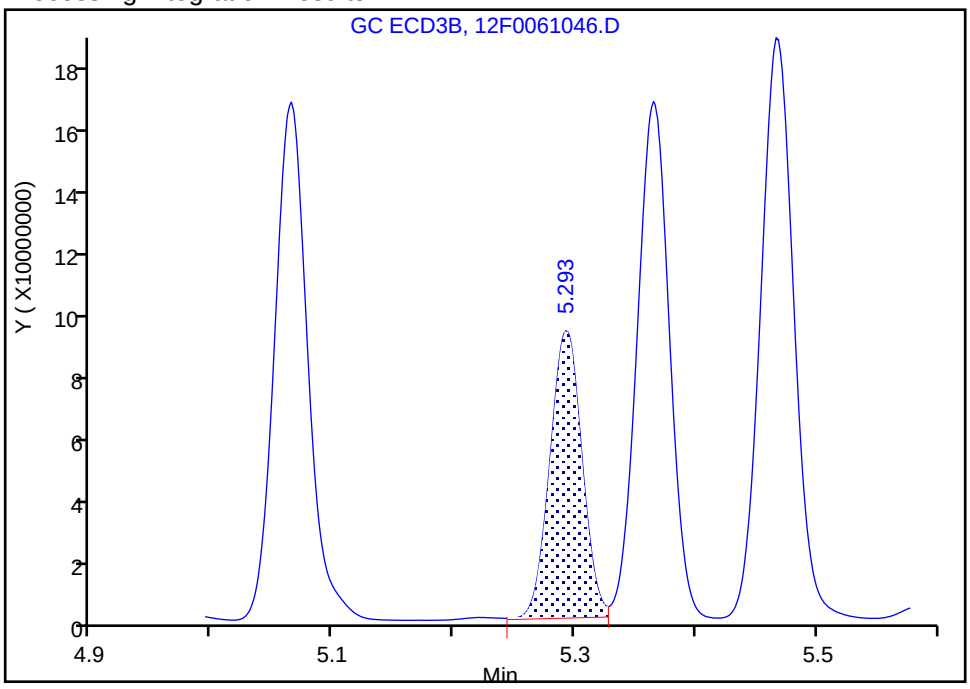
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D
Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5

Signal: 2

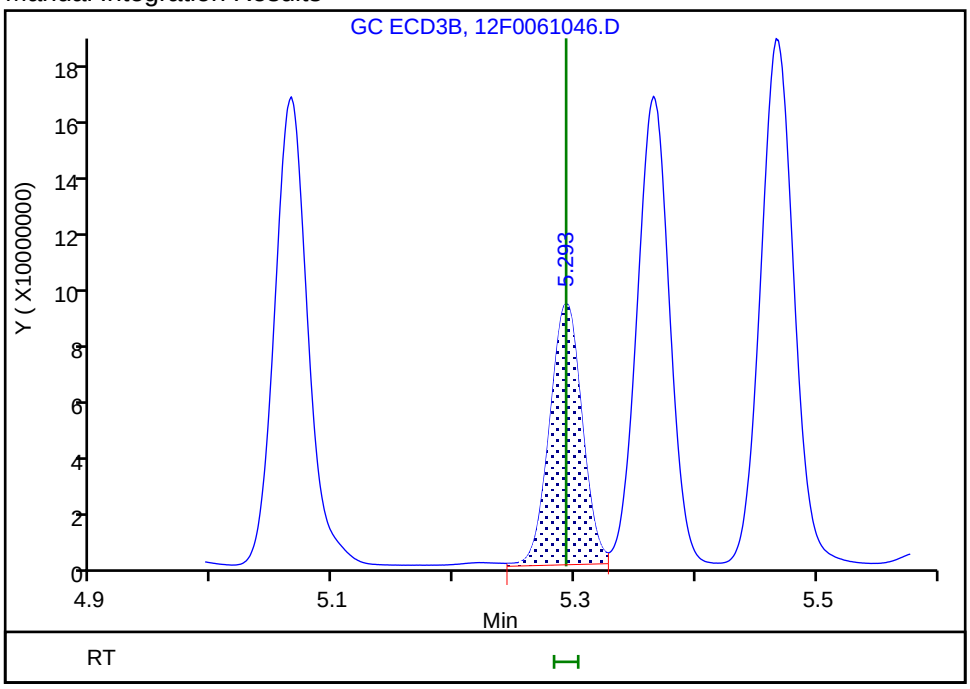
Processing Integration Results

RT: 5.29
Area: 157806459
Amount: 79.249424
Amount Units: ug/l



Manual Integration Results

RT: 5.29
Area: 161564953
Amount: 81.361489
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:33 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

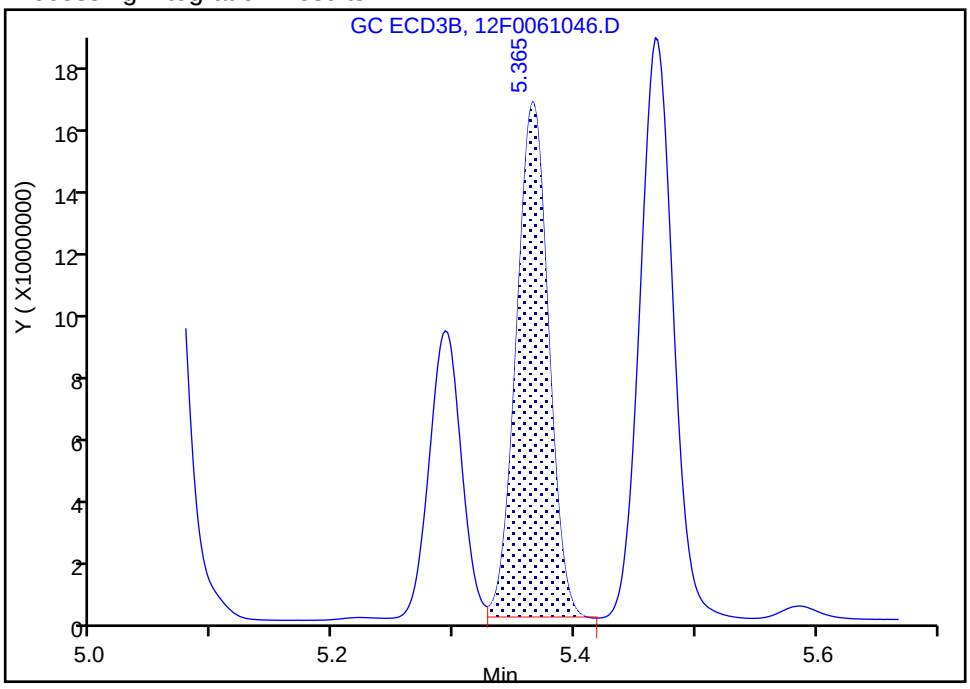
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Injection Date: 14-May-2024 02:40:56 Instrument ID: CPESTGC12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

34 Mirex, CAS: 2385-85-5

Signal: 2

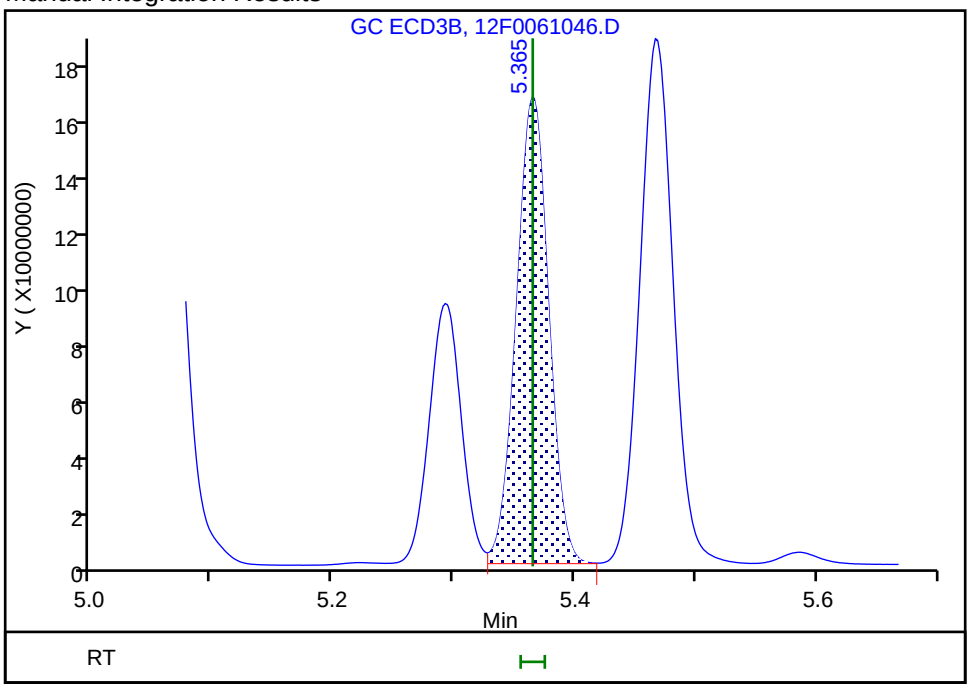
Processing Integration Results

RT: 5.37
Area: 286004524
Amount: 95.283658
Amount Units: ug/l



Manual Integration Results

RT: 5.37
Area: 290036997
Amount: 96.894541
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:33 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

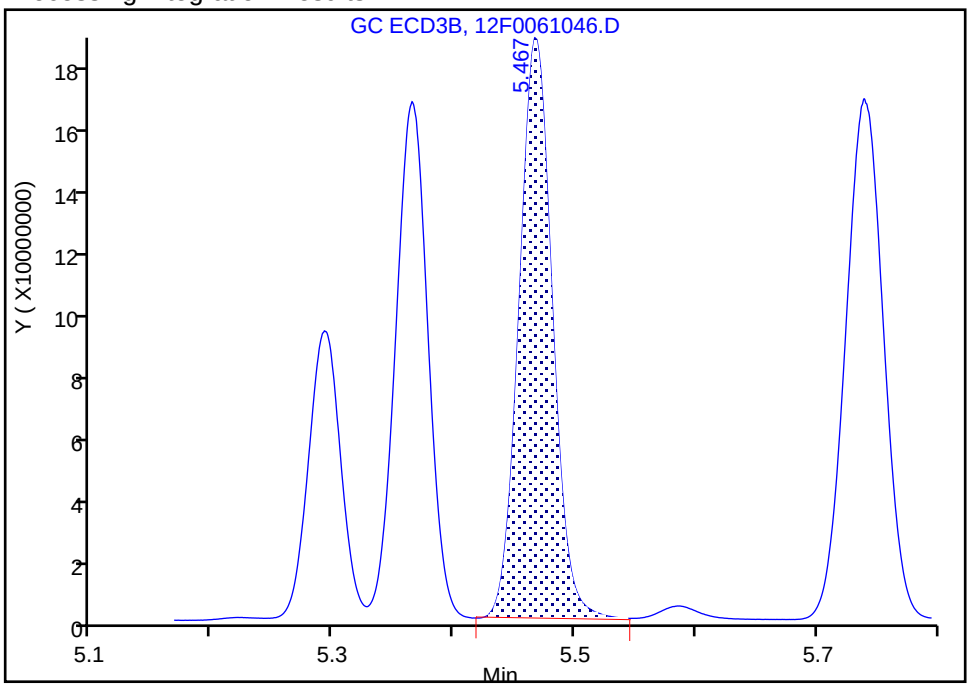
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061046.D				
Injection Date:	14-May-2024 02:40:56	Instrument ID:	CPESTGC12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

3 Endosulfan sulfate, CAS: 1031-07-8

Signal: 2

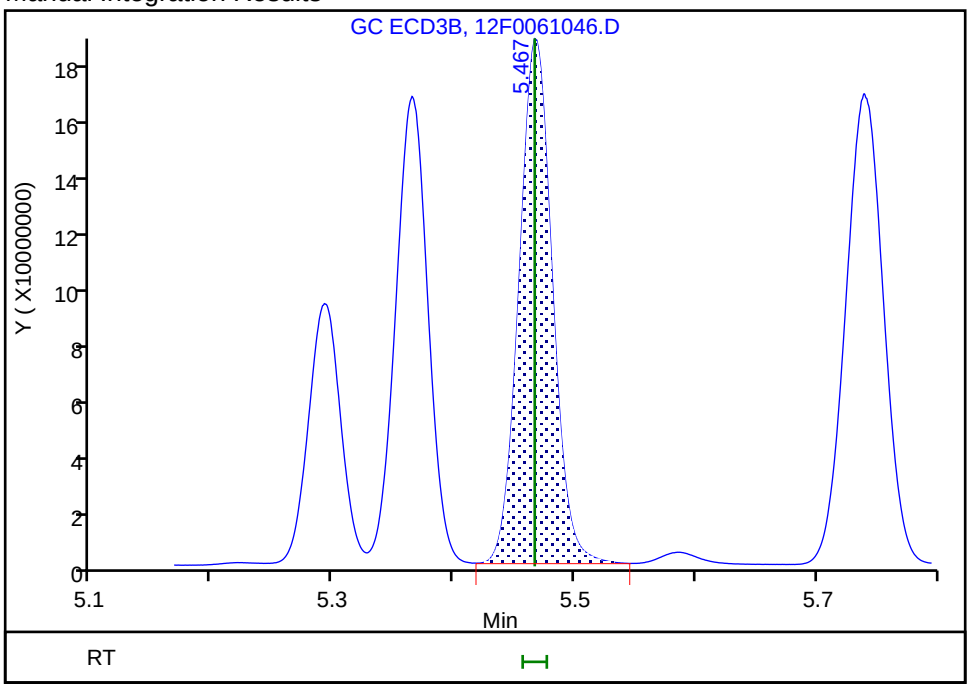
Processing Integration Results

RT: 5.47
Area: 331738366
Amount: 96.647351
Amount Units: ug/l



Manual Integration Results

RT: 5.47
Area: 335057533
Amount: 97.614344
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 03:06:33 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974654/4 Calibration Date: 05/14/2024 02:53

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 10:04

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 10:53

Lab File ID: 12F0061047.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (n.o.s.) Peak 1	Ave	0.0428	0.0437		1020	1000	2.0	20.0
Chlordane (technical) Peak 1	Ave	0.0428	0.0437		1020	1000	2.0	20.0
Chlordane (n.o.s.) Peak 2	Ave	0.0417	0.0427		1030	1000	2.5	20.0
Chlordane (technical) Peak 2	Ave	0.0417	0.0427		1030	1000	2.5	20.0
Chlordane (n.o.s.) Peak 3	Ave	0.1464	0.1530		1050	1000	4.5	20.0
Chlordane (technical) Peak 3	Ave	0.1464	0.1530		1050	1000	4.5	20.0
Chlordane (n.o.s.) Peak 4	Ave	0.1617	0.1679		1040	1000	3.8	20.0
Chlordane (technical) Peak 4	Ave	0.1617	0.1679		1040	1000	3.8	20.0
Chlordane (n.o.s.) Peak 5	Ave	0.1081	0.1095		1010	1000	1.3	20.0
Chlordane (technical) Peak 5	Ave	0.1081	0.1095		1010	1000	1.3	20.0
Chlordane (n.o.s.)	None		0.0437		1030	1000	2.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974654/4 Calibration Date: 05/14/2024 02:53

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 10:04

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 10:53

Lab File ID: 12F0061047.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (n.o.s.) Peak 1	2.84	2.83	2.85
Chlordane (technical) Peak 1	2.84	2.83	2.85
Chlordane (n.o.s.) Peak 2	3.47	3.46	3.48
Chlordane (technical) Peak 2	3.47	3.46	3.48
Chlordane (n.o.s.) Peak 3	4.18	4.17	4.19
Chlordane (technical) Peak 3	4.18	4.17	4.19
Chlordane (n.o.s.) Peak 4	4.29	4.28	4.30
Chlordane (technical) Peak 4	4.29	4.28	4.30
Chlordane (n.o.s.) Peak 5	4.36	4.35	4.37
Chlordane (technical) Peak 5	4.36	4.35	4.37
Chlordane (n.o.s.)			

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061047.D
Lims ID: CCV CHLOR
Client ID:
Sample Type: CCV
Inject. Date: 14-May-2024 02:53:11 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-004
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:45:15 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:19:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.457	1.457	0.000	344133433	100.0	100.0	
2	1.435	1.435	0.000	606314783	100.0	100.0	
						RPD = 0.00	
38 Chlordane (n.o.s.)							M
1	2.840	2.840	0.000	150373832	1000.0	1020.5	
1	3.468	3.468	0.000	147013632	1000.0	1025.5	
1	4.182	4.182	0.000	526533712	1000.0	1045.2	
1	4.288	4.288	0.000	577858187	1000.0	1038.2	
1	4.356	4.356	0.000	376736249	1000.0	1012.7	
		Average of Peak Amounts =				1028.4	
2	2.570	2.570	0.000	222704014	1000.0	953.4	M
2	2.977	2.977	0.000	297326859	1000.0	1103.4	M
2	3.358	3.358	0.000	164764869	1000.0	1026.3	M
2	3.564	3.564	0.000	982130434	1000.0	1006.2	M
2	3.701	3.701	0.000	1729975136	1000.0	1005.1	M
		Average of Peak Amounts =				1018.9	
						RPD = 0.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Chlordane (technical)							M
1	2.840	2.840	0.000	150373832	1000.0	1020.5	
1	3.468	3.468	0.000	147013632	1000.0	1025.5	
1	4.182	4.182	0.000	526533712	1000.0	1045.2	
1	4.288	4.288	0.000	577858187	1000.0	1038.2	
1	4.356	4.356	0.000	376736249	1000.0	1012.7	
		Average of Peak Amounts =				1028.4	
2	2.570	2.570	0.000	222704014	1000.0	953.4	M
2	2.977	2.977	0.000	297326859	1000.0	1103.4	M
2	3.358	3.358	0.000	164764869	1000.0	1026.3	M
2	3.564	3.564	0.000	982130434	1000.0	1006.2	M
2	3.701	3.701	0.000	1729975136	1000.0	1005.1	M
		Average of Peak Amounts =				1018.9	
						RPD = 0.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

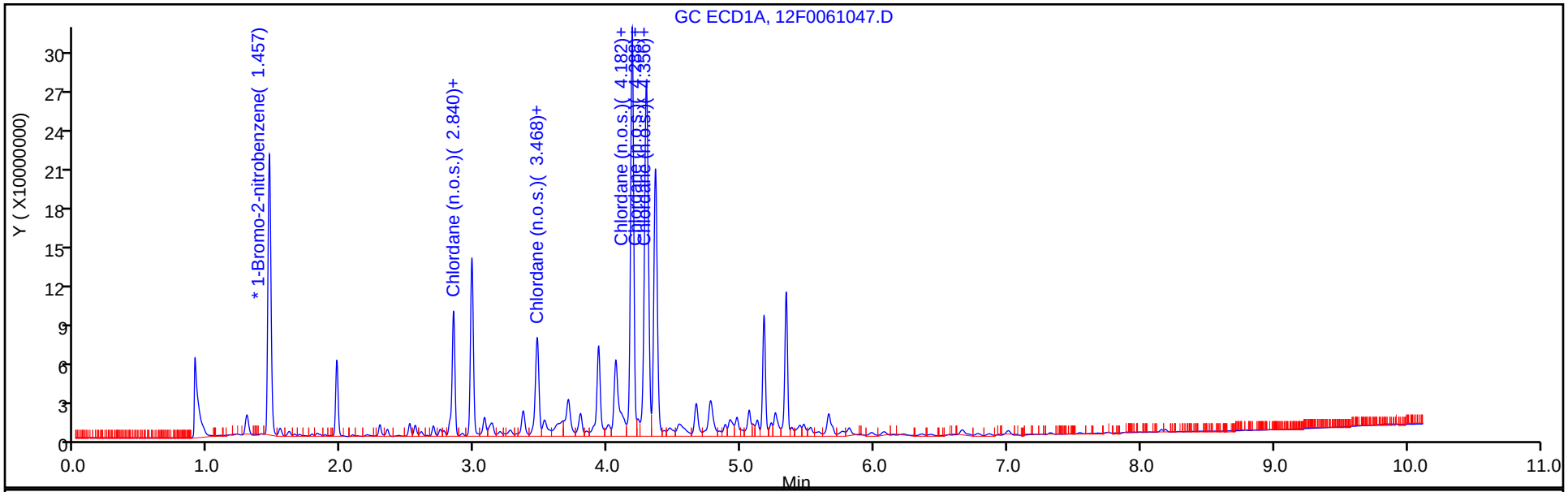
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SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

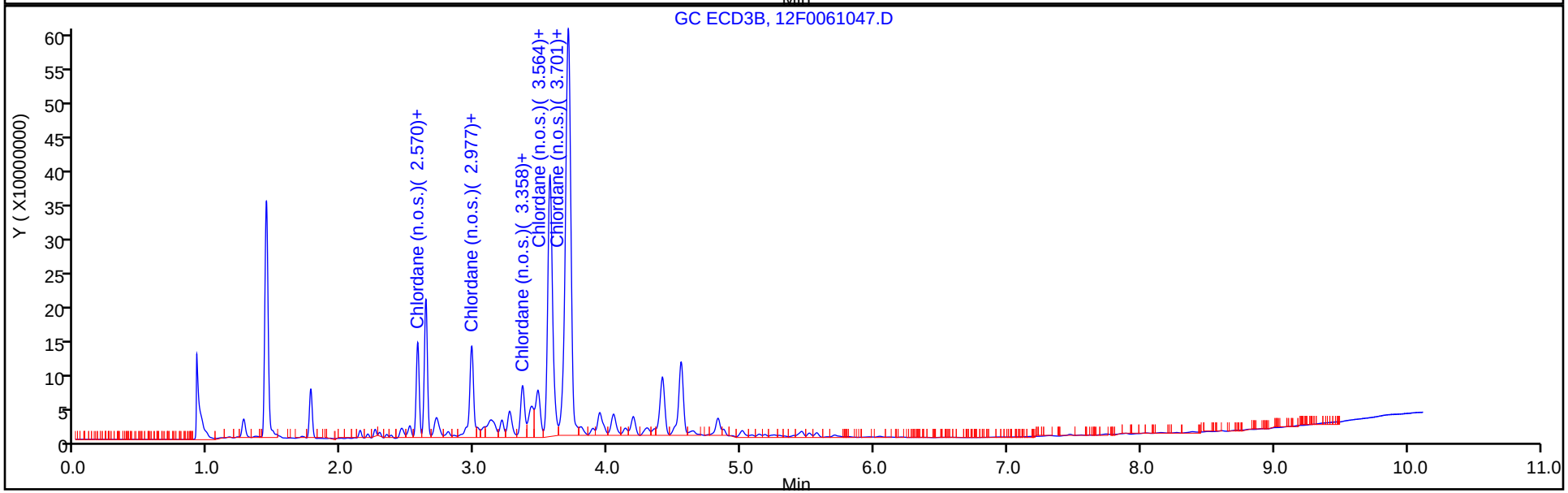
Report Date: 14-May-2024 04:45:15 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061047.D

Injection Date:	14-May-2024 02:53:11	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	CCV CHLOR			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





Report Date: 14-May-2024 04:45:16 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061047.D

Injection Date: 14-May-2024 02:53:11 Instrument ID: CPESTGC12

Lims ID: CCV CHLOR

Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

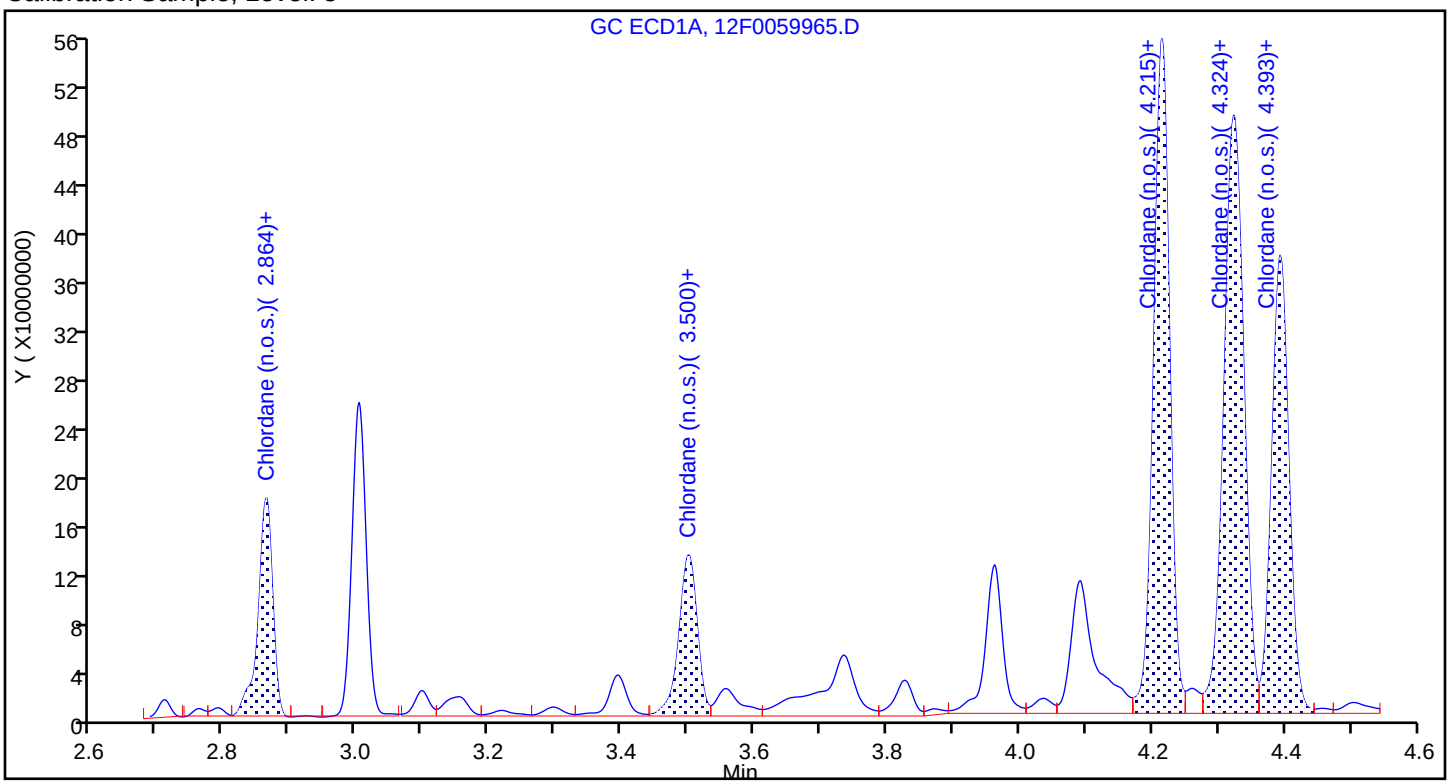
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

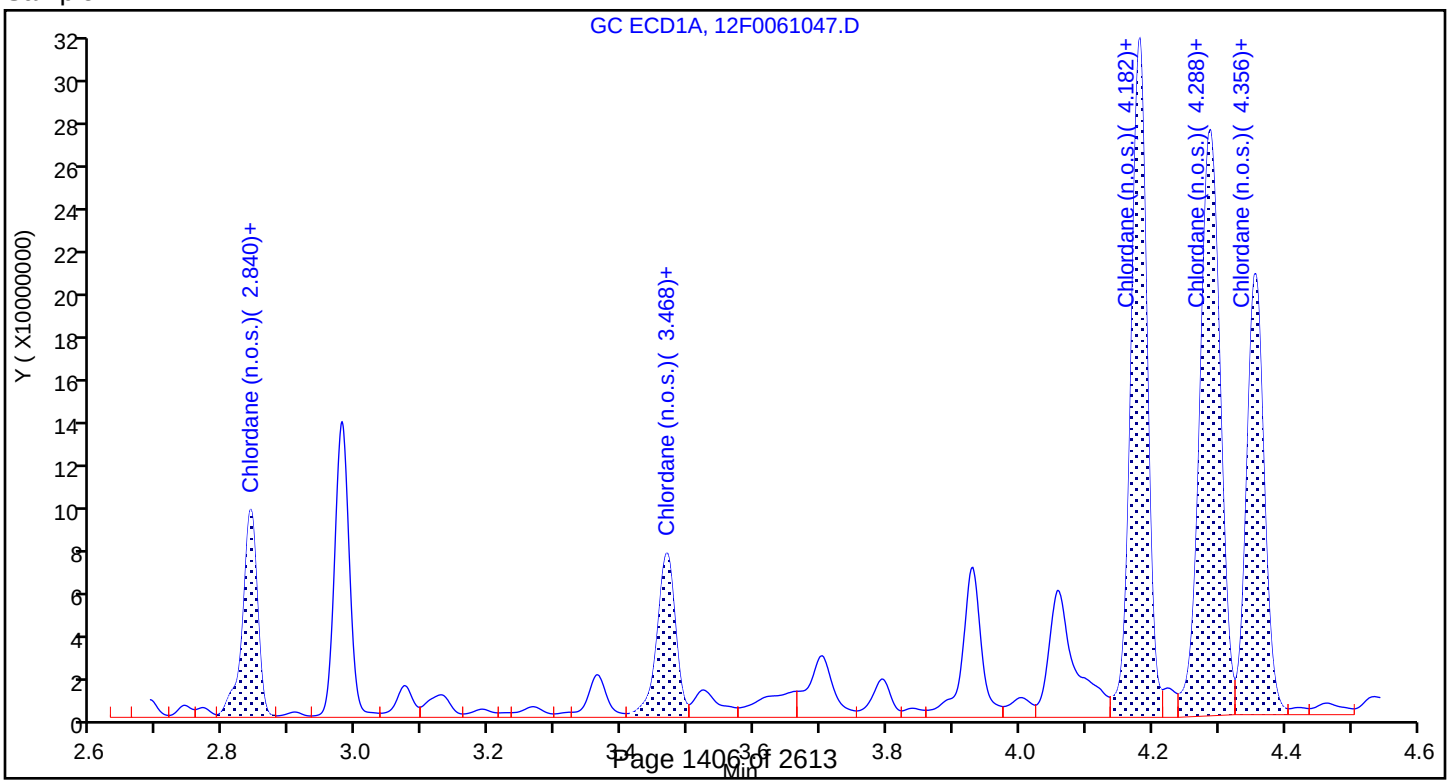
Column: Detector GC ECD1A

38 Chlordane (n.o.s.), CAS: 57-74-9

Calibration Sample, Level: 5



Sample



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974654/4 Calibration Date: 05/14/2024 02:53

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 10:04

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 10:53

Lab File ID: 12F0061047.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (n.o.s.) Peak 1	Ave	0.0385	0.0367		953	1000	-4.7	20.0
Chlordane (technical) Peak 1	Ave	0.0385	0.0367		953	1000	-4.7	20.0
Chlordane (n.o.s.) Peak 2	Ave	0.0444	0.0490		1100	1000	10.3	20.0
Chlordane (technical) Peak 2	Ave	0.0444	0.0490		1100	1000	10.3	20.0
Chlordane (n.o.s.) Peak 3	Ave	0.0265	0.0272		1030	1000	2.6	20.0
Chlordane (technical) Peak 3	Ave	0.0265	0.0272		1030	1000	2.6	20.0
Chlordane (n.o.s.) Peak 4	Ave	0.1610	0.1620		1010	1000	0.6	20.0
Chlordane (technical) Peak 4	Ave	0.1610	0.1620		1010	1000	0.6	20.0
Chlordane (n.o.s.) Peak 5	Ave	0.2839	0.2853		1010	1000	0.5	20.0
Chlordane (technical) Peak 5	Ave	0.2839	0.2853		1010	1000	0.5	20.0
Chlordane (n.o.s.)	None		0.0367		1020	1000	1.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974654/4 Calibration Date: 05/14/2024 02:53

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 10:04

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 10:53

Lab File ID: 12F0061047.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (n.o.s.) Peak 1	2.57	2.56	2.58
Chlordane (technical) Peak 1	2.57	2.56	2.58
Chlordane (n.o.s.) Peak 2	2.98	2.97	2.99
Chlordane (technical) Peak 2	2.98	2.97	2.99
Chlordane (n.o.s.) Peak 3	3.36	3.35	3.37
Chlordane (technical) Peak 3	3.36	3.35	3.37
Chlordane (n.o.s.) Peak 4	3.56	3.55	3.57
Chlordane (technical) Peak 4	3.56	3.55	3.57
Chlordane (n.o.s.) Peak 5	3.70	3.69	3.71
Chlordane (technical) Peak 5	3.70	3.69	3.71
Chlordane (n.o.s.)			

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061047.D
Lims ID: CCV CHLOR
Client ID:
Sample Type: CCV
Inject. Date: 14-May-2024 02:53:11 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-004
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:45:15 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:19:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.457	1.457	0.000	344133433	100.0	100.0	
2	1.435	1.435	0.000	606314783	100.0	100.0	
						RPD = 0.00	
38 Chlordane (n.o.s.)							M
1	2.840	2.840	0.000	150373832	1000.0	1020.5	
1	3.468	3.468	0.000	147013632	1000.0	1025.5	
1	4.182	4.182	0.000	526533712	1000.0	1045.2	
1	4.288	4.288	0.000	577858187	1000.0	1038.2	
1	4.356	4.356	0.000	376736249	1000.0	1012.7	
		Average of Peak Amounts =				1028.4	
2	2.570	2.570	0.000	222704014	1000.0	953.4	M
2	2.977	2.977	0.000	297326859	1000.0	1103.4	M
2	3.358	3.358	0.000	164764869	1000.0	1026.3	M
2	3.564	3.564	0.000	982130434	1000.0	1006.2	M
2	3.701	3.701	0.000	1729975136	1000.0	1005.1	M
		Average of Peak Amounts =				1018.9	
						RPD = 0.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Chlordane (technical)							M
1	2.840	2.840	0.000	150373832	1000.0	1020.5	
1	3.468	3.468	0.000	147013632	1000.0	1025.5	
1	4.182	4.182	0.000	526533712	1000.0	1045.2	
1	4.288	4.288	0.000	577858187	1000.0	1038.2	
1	4.356	4.356	0.000	376736249	1000.0	1012.7	
		Average of Peak Amounts =				1028.4	
2	2.570	2.570	0.000	222704014	1000.0	953.4	M
2	2.977	2.977	0.000	297326859	1000.0	1103.4	M
2	3.358	3.358	0.000	164764869	1000.0	1026.3	M
2	3.564	3.564	0.000	982130434	1000.0	1006.2	M
2	3.701	3.701	0.000	1729975136	1000.0	1005.1	M
		Average of Peak Amounts =				1018.9	
						RPD = 0.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

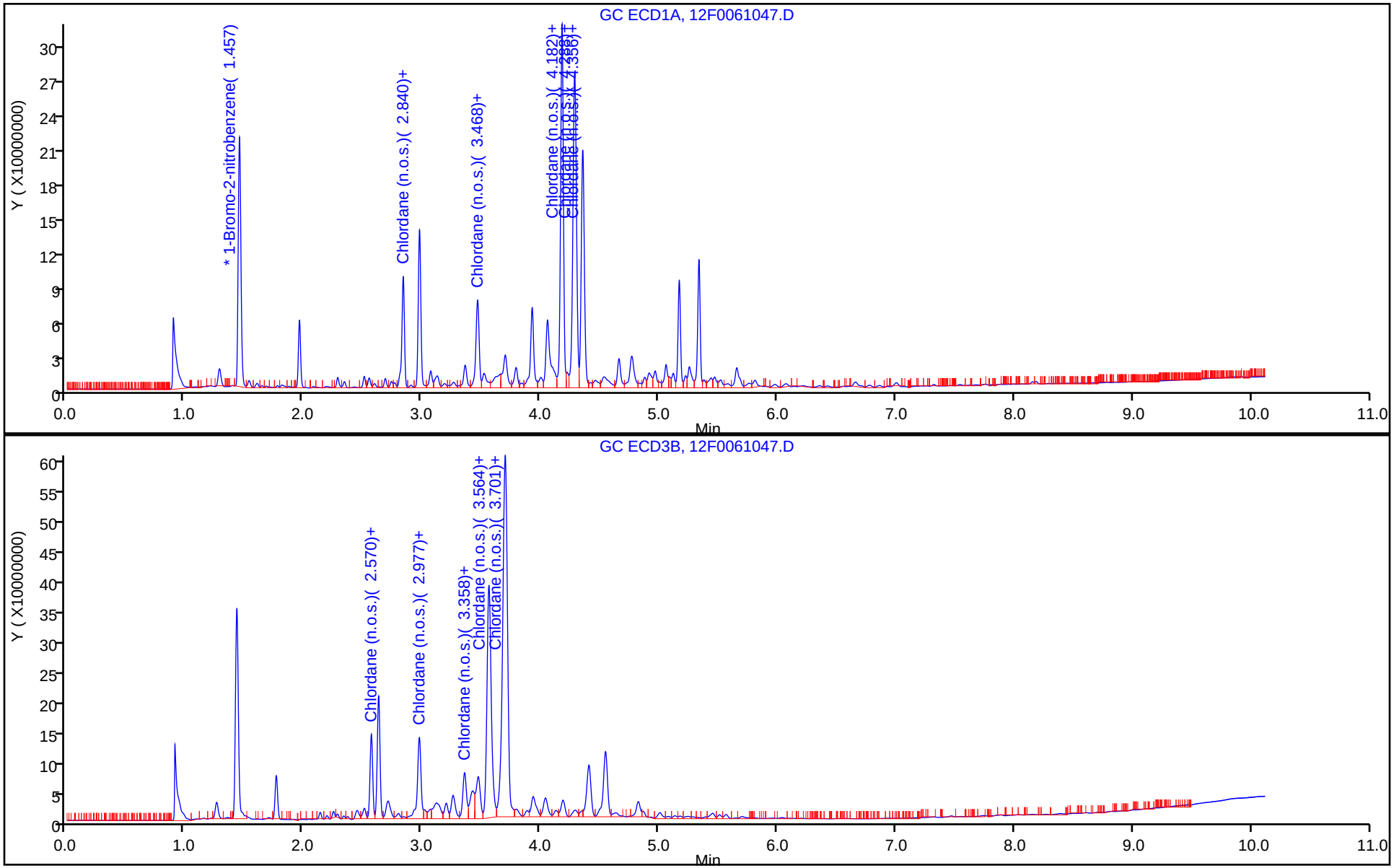
SGCHLORDANEL4_00013	Amount Added: 1.00	Units: mL	
SGPESTISTD_00021	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 14-May-2024 04:45:16 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061047.D

Injection Date:	14-May-2024 02:53:11	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	CCV CHLOR			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:45:16 Chrom Revision: 2.3 01-May-2024 15:52:26

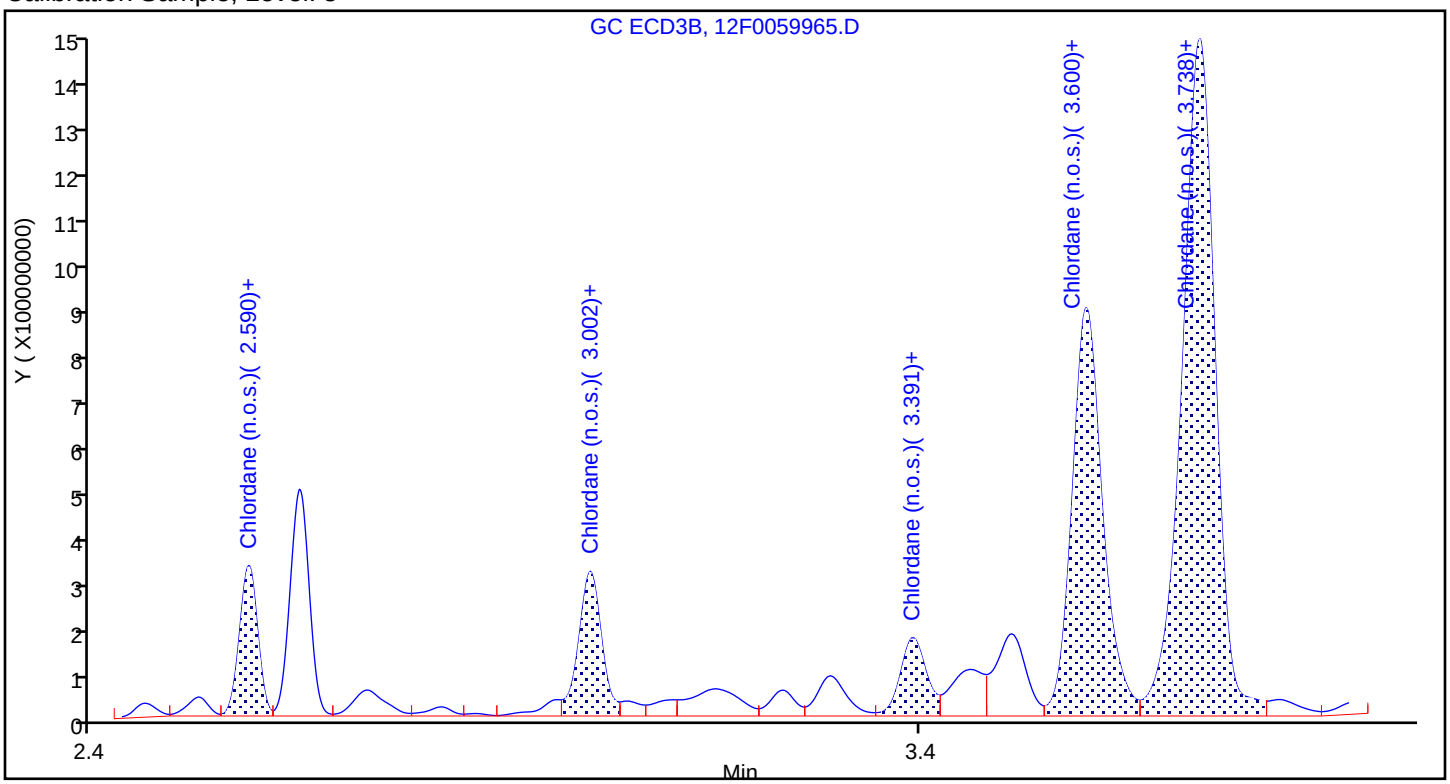
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061047.D

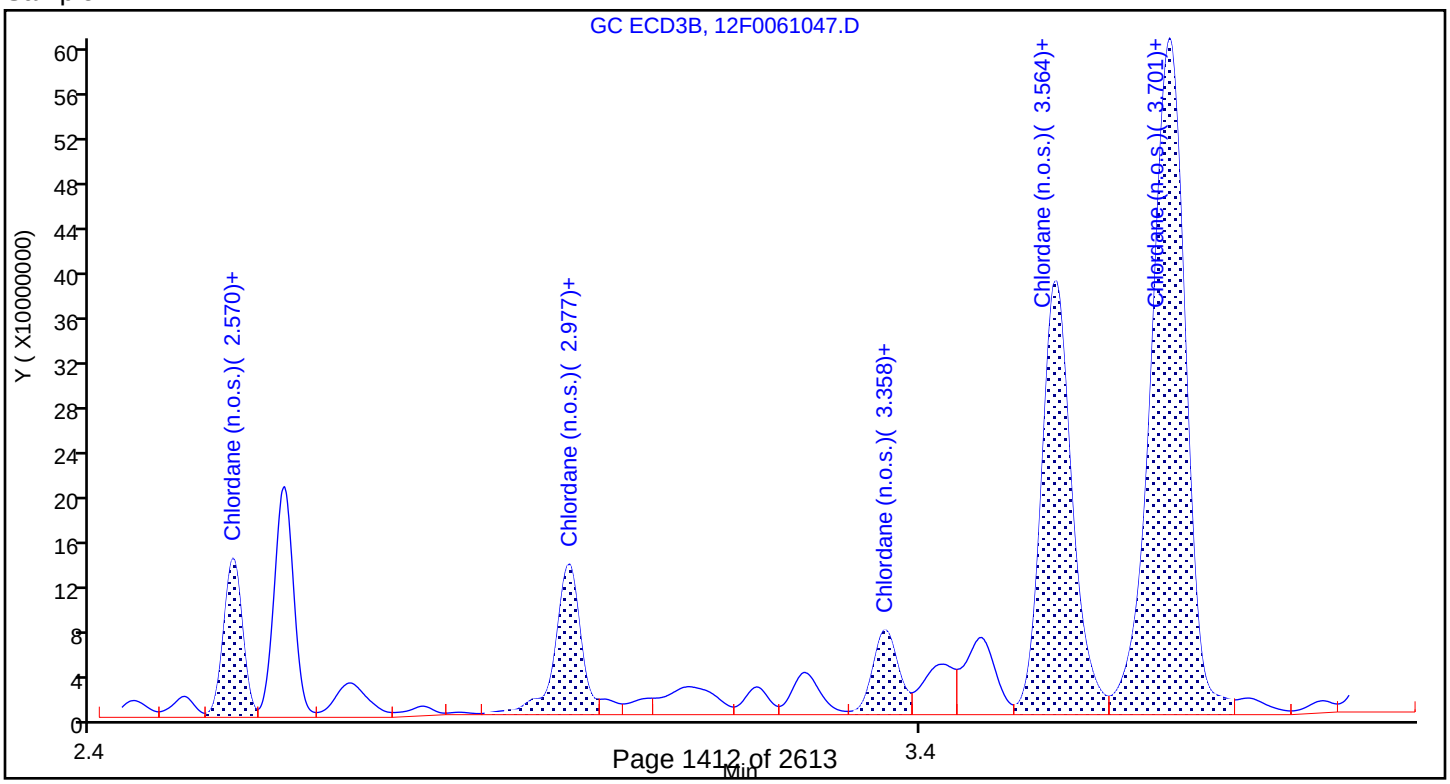
Injection Date:	14-May-2024 02:53:11	Instrument ID:	CPESTGC12		
Lims ID:	CCV CHLOR				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

38 Chlordane (n.o.s.), CAS: 57-74-9

Calibration Sample, Level: 5



Sample



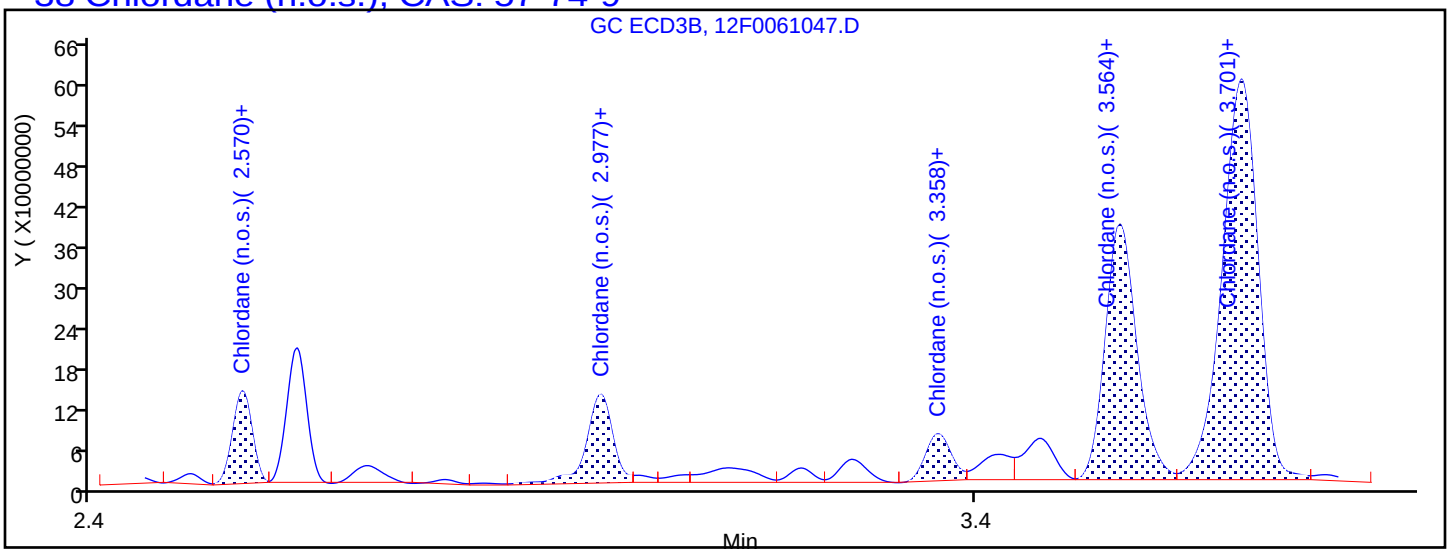
Report Date: 14-May-2024 04:45:17 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061047.D

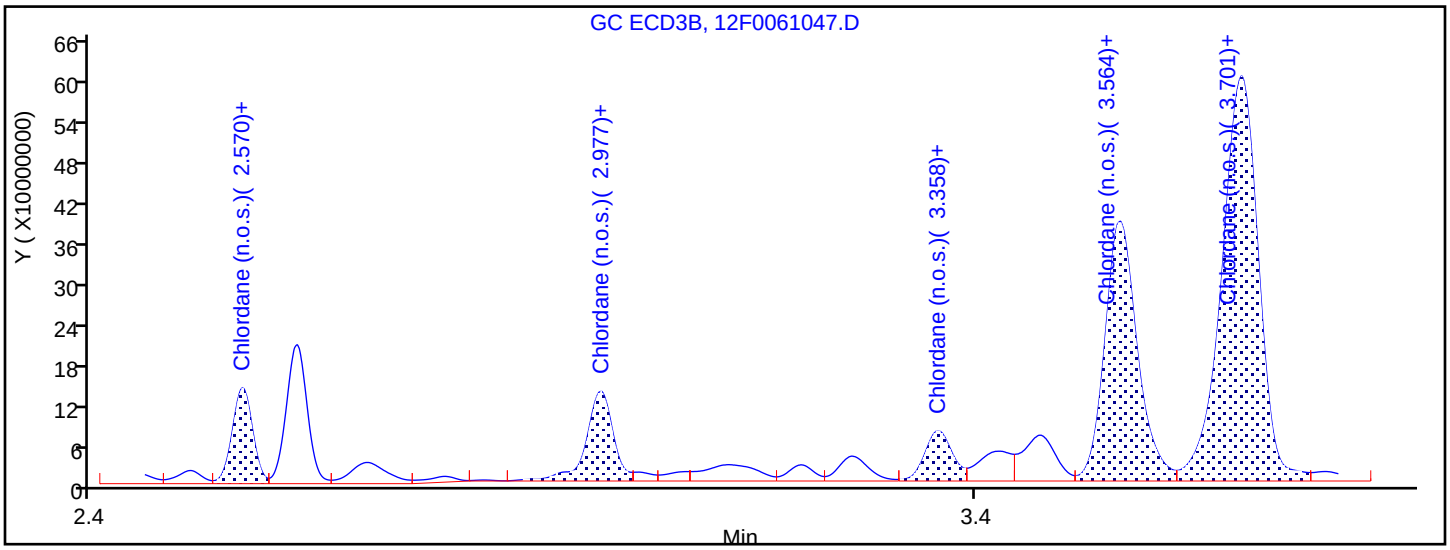
Injection Date:	14-May-2024 02:53:11	Instrument ID:	CPESTGC12		
Lims ID:	CCV CHLOR				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

2.570	Response = 210340947
2.977	Response = 279041553
3.358	Response = 144918061
3.564	Response = 933109143
3.701	Response = 1667002840



Manual Integration Results

2.570	Response = 222704014	M
2.977	Response = 297326859	M
3.358	Response = 164764869	M
3.564	Response = 982130434	M
3.701	Response = 1729975136	M

Reviewer: ESS0, 14-May-2024 03:08:39 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974654/5 Calibration Date: 05/14/2024 03:05

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 11:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 12:07

Lab File ID: 12F0061048.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0243	0.0244		1010	1000	0.6	20.0
Toxaphene Peak 2	Ave	0.0364	0.0341		937	1000	-6.3	20.0
Toxaphene Peak 3	Ave	0.0663	0.0628		948	1000	-5.2	20.0
Toxaphene Peak 4	Ave	0.0396	0.0379		957	1000	-4.3	20.0
Toxaphene Peak 5	Ave	0.0418	0.0416		995	1000	-0.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974654/5 Calibration Date: 05/14/2024 03:05

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 11:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/05/2024 12:07

Lab File ID: 12F0061048.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.75	4.74	4.76
Toxaphene Peak 2	5.28	5.27	5.29
Toxaphene Peak 3	5.37	5.36	5.38
Toxaphene Peak 4	5.64	5.63	5.65
Toxaphene Peak 5	6.30	6.29	6.31

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061048.D
Lims ID: CCV TOX
Client ID:
Sample Type: CCV
Inject. Date: 14-May-2024 03:05:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-005
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:45:21 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:20:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.457	1.457	0.000	322269647	100.0	100.0	
2	1.435	1.435	0.000	466349062	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.745	4.745	0.000	78784241	1000.0	1006.5	M
1	5.278	5.278	0.000	110009024	1000.0	937.4	M
1	5.371	5.371	0.000	202451722	1000.0	947.9	M
1	5.643	5.643	0.000	122279231	1000.0	957.3	M
1	6.297	6.297	0.000	133938803	1000.0	994.6	M
		Average of Peak Amounts =				968.7	
2	4.617	4.617	0.000	282484748	1000.0	1060.1	M
2	4.747	4.747	0.000	373482311	1000.0	1014.0	M
2	4.990	4.990	0.000	194931574	1000.0	918.0	M
2	5.184	5.184	0.000	180224893	1000.0	900.7	M
2	5.367	5.367	0.000	219373998	1000.0	913.4	M
		Average of Peak Amounts =				961.2	
						RPD = 0.78	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

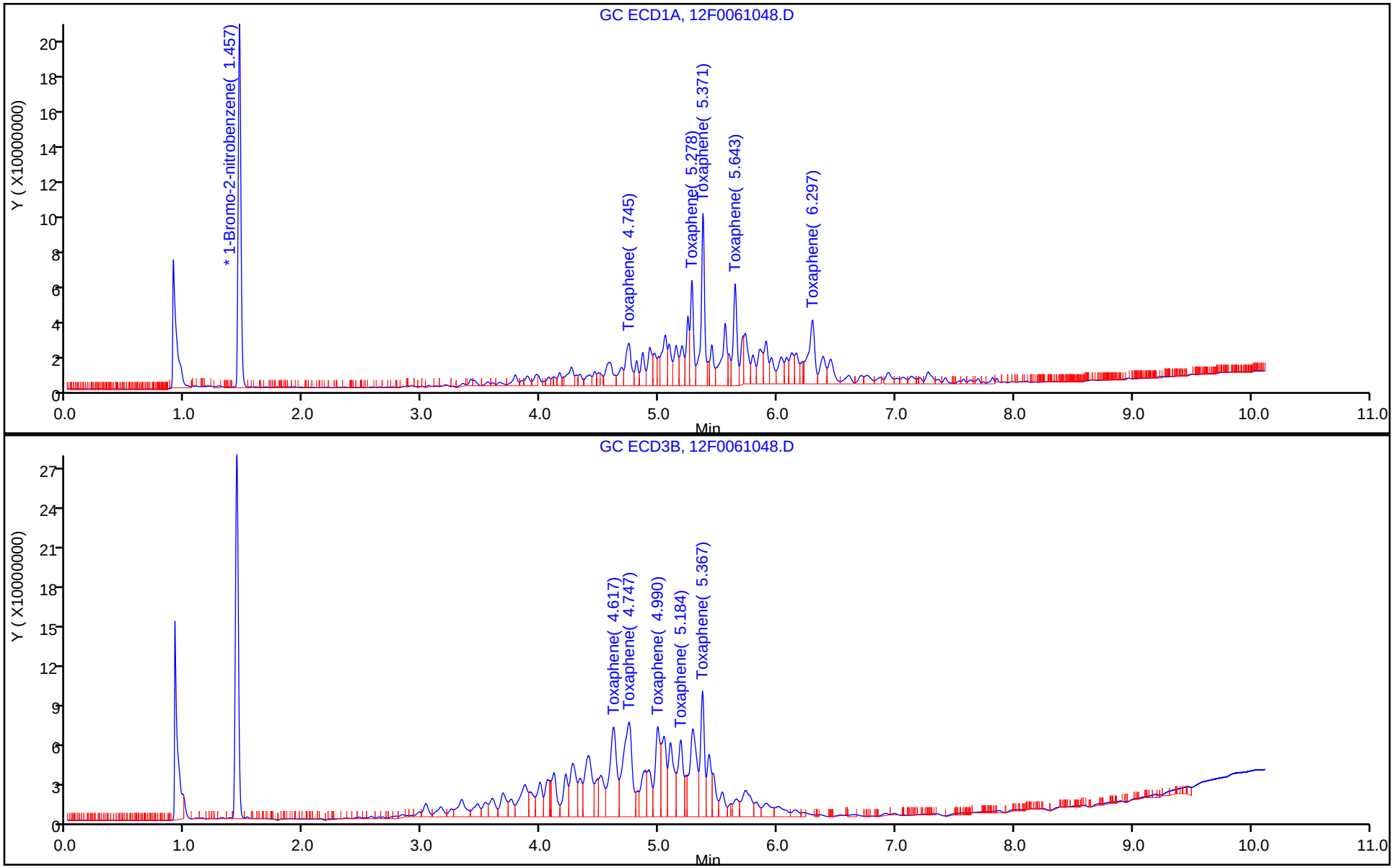
SGTOXAPHENEL4_00012 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:45:22 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061048.D

Injection Date:	14-May-2024 03:05:30	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	CCV TOX			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:45:22 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061048.D

Injection Date: 14-May-2024 03:05:30 Instrument ID: CPESTGC12

Lims ID: CCV TOX

Client ID:

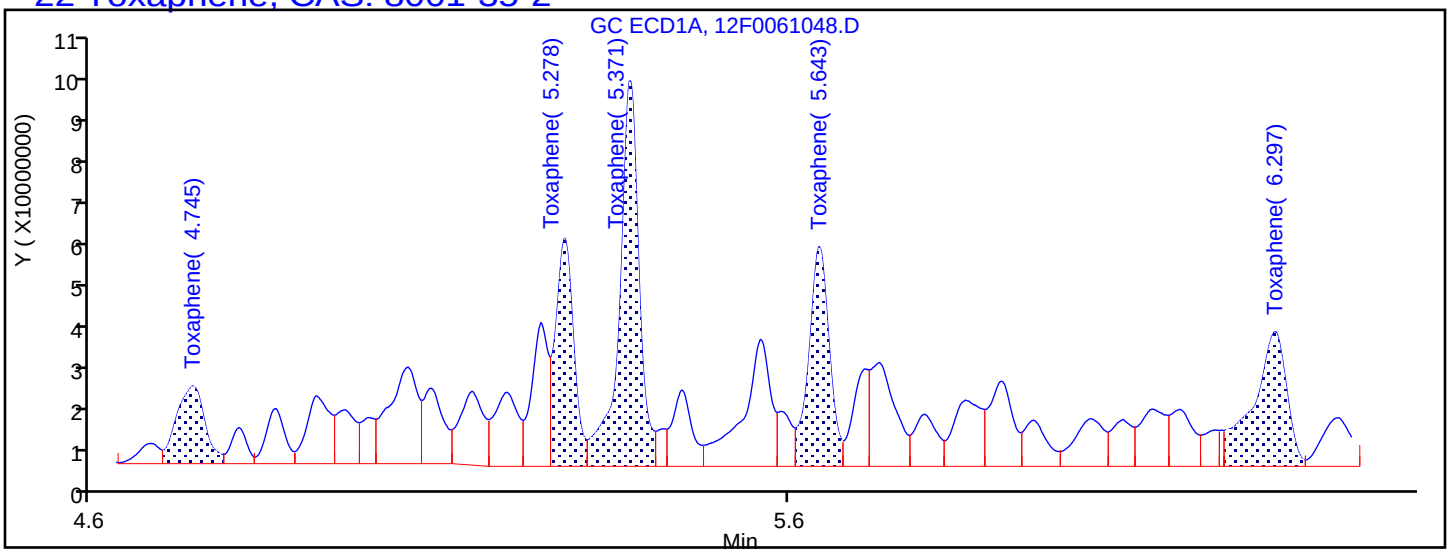
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

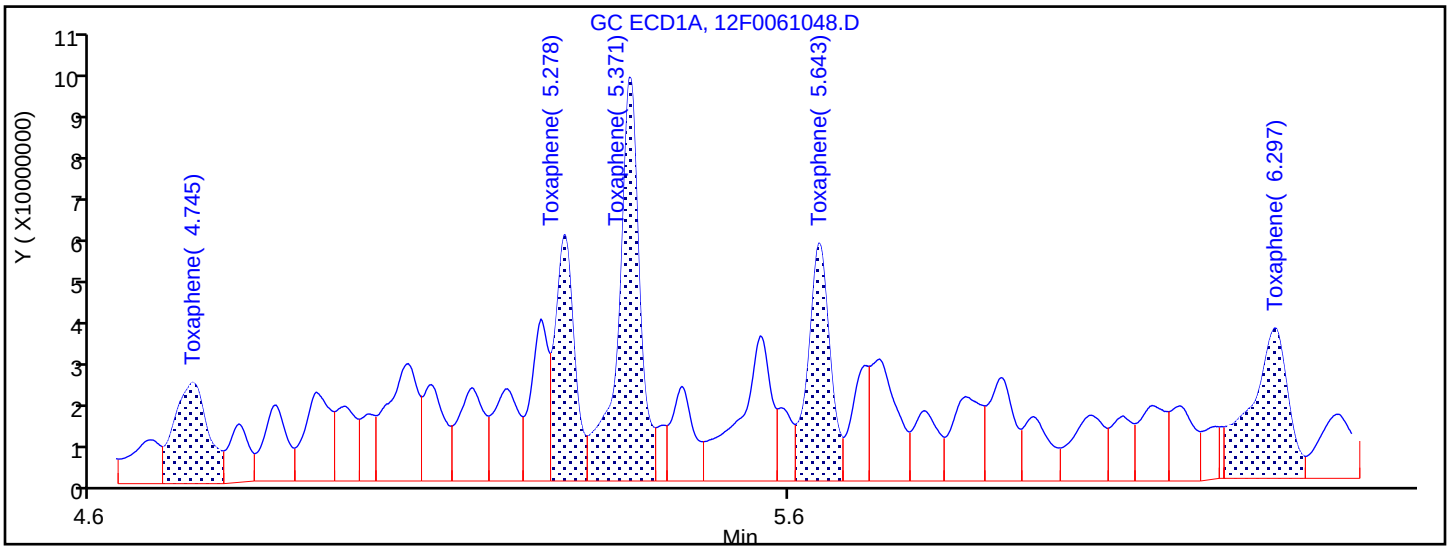
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.745	Response = 52026905
5.278	Response = 95399798
5.371	Response = 175648721
5.643	Response = 104590496
6.297	Response = 107587429



Manual Integration Results

4.745	Response = 78784241	M
5.278	Response = 110009024	M
5.371	Response = 202451722	M
5.643	Response = 122279231	M
6.297	Response = 133938803	M

Reviewer: ESS0, 14-May-2024 03:19:29 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974654/5 Calibration Date: 05/14/2024 03:05

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 11:18

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 12:07

Lab File ID: 12F0061048.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0571	0.0606		1060	1000	6.0	20.0
Toxaphene Peak 2	Ave	0.0790	0.0801		1010	1000	1.4	20.0
Toxaphene Peak 3	Ave	0.0455	0.0418		918	1000	-8.2	20.0
Toxaphene Peak 4	Ave	0.0429	0.0386		901	1000	-9.9	20.0
Toxaphene Peak 5	Ave	0.0515	0.0470		913	1000	-8.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974654/5 Calibration Date: 05/14/2024 03:05

Instrument ID: CPESTGC12 Calib Start Date: 04/05/2024 11:18

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 04/05/2024 12:07

Lab File ID: 12F0061048.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.62	4.61	4.63
Toxaphene Peak 2	4.75	4.74	4.76
Toxaphene Peak 3	4.99	4.98	5.00
Toxaphene Peak 4	5.18	5.17	5.19
Toxaphene Peak 5	5.37	5.36	5.38

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061048.D
Lims ID: CCV TOX
Client ID:
Sample Type: CCV
Inject. Date: 14-May-2024 03:05:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-005
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:45:21 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:20:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.457	1.457	0.000	322269647	100.0	100.0	
2	1.435	1.435	0.000	466349062	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	4.745	4.745	0.000	78784241	1000.0	1006.5	M
1	5.278	5.278	0.000	110009024	1000.0	937.4	M
1	5.371	5.371	0.000	202451722	1000.0	947.9	M
1	5.643	5.643	0.000	122279231	1000.0	957.3	M
1	6.297	6.297	0.000	133938803	1000.0	994.6	M
		Average of Peak Amounts =				968.7	
2	4.617	4.617	0.000	282484748	1000.0	1060.1	M
2	4.747	4.747	0.000	373482311	1000.0	1014.0	M
2	4.990	4.990	0.000	194931574	1000.0	918.0	M
2	5.184	5.184	0.000	180224893	1000.0	900.7	M
2	5.367	5.367	0.000	219373998	1000.0	913.4	M
		Average of Peak Amounts =				961.2	
						RPD = 0.78	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

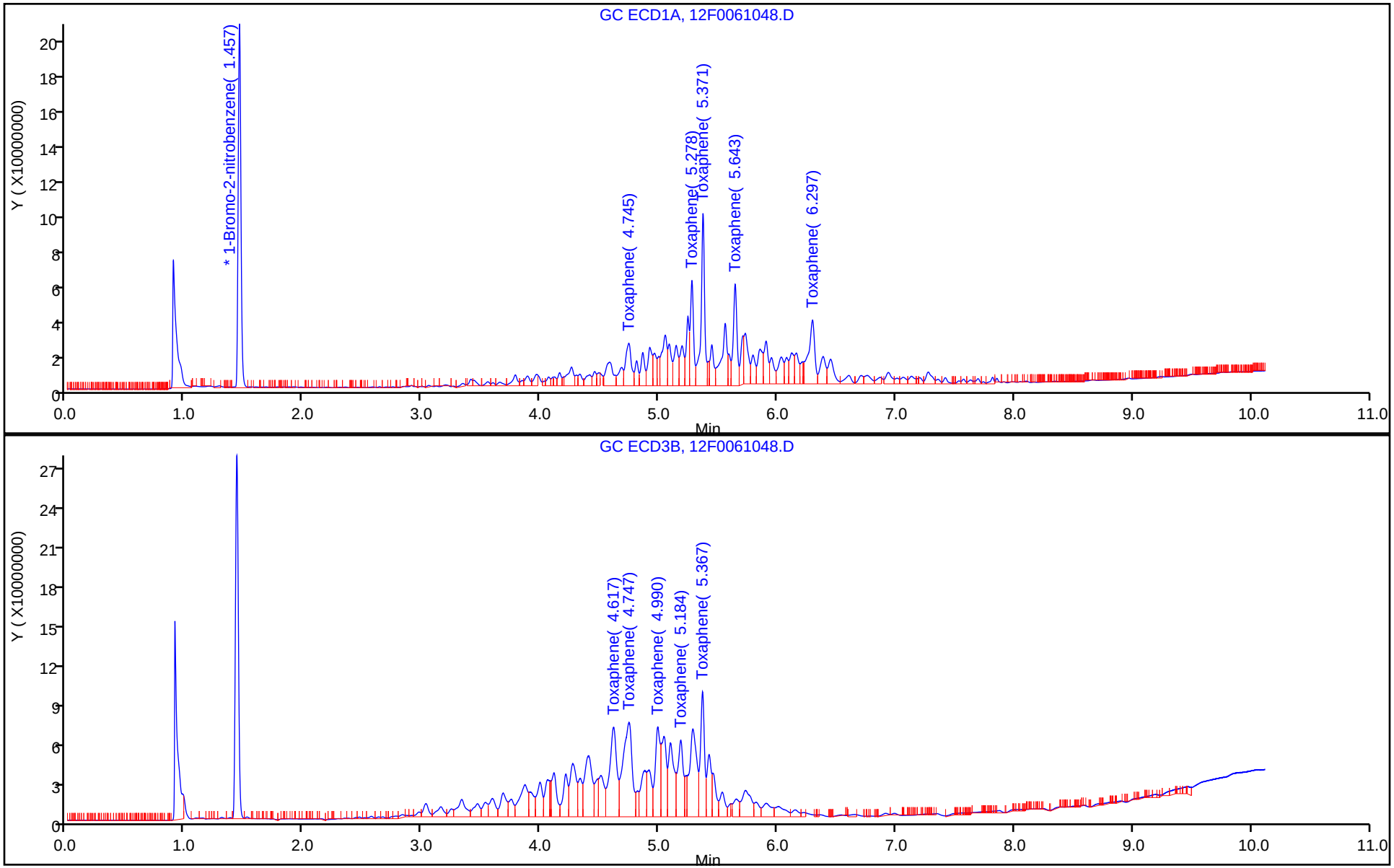
SGTOXAPHENEL4_00012 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:45:22 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061048.D

Injection Date:	14-May-2024 03:05:30	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	CCV TOX			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:45:23 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061048.D

Injection Date: 14-May-2024 03:05:30 Instrument ID: CPESTGC12

Lims ID: CCV TOX

Client ID:

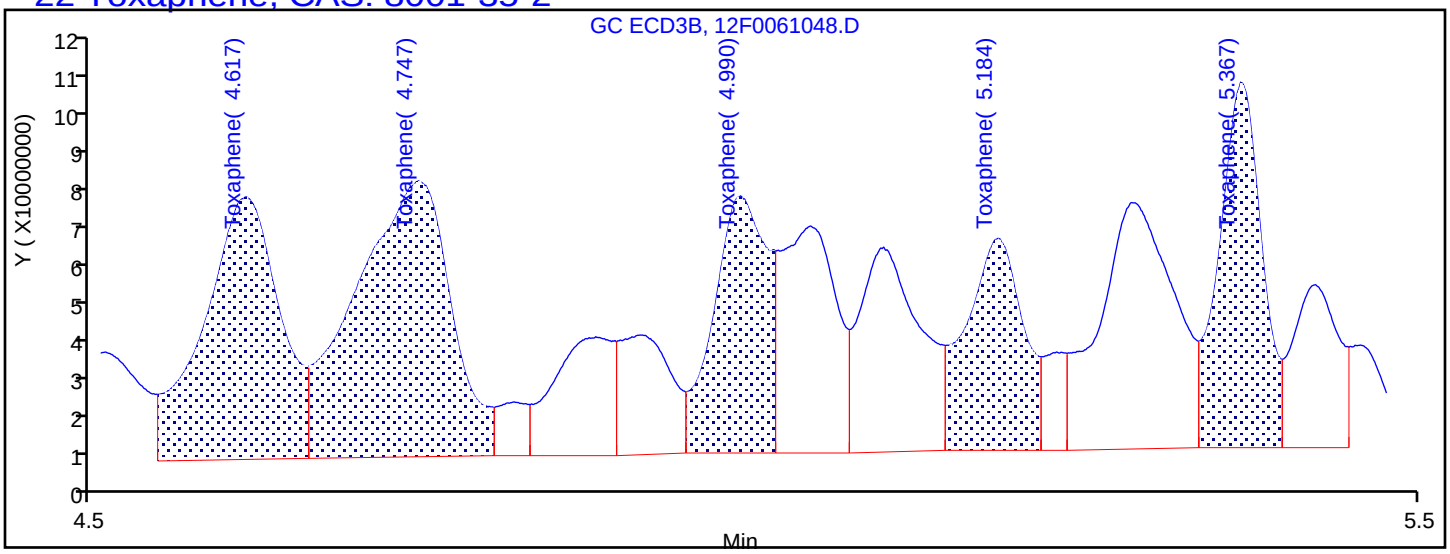
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC8081 Limit Group: GC 8081B PEST ISTD

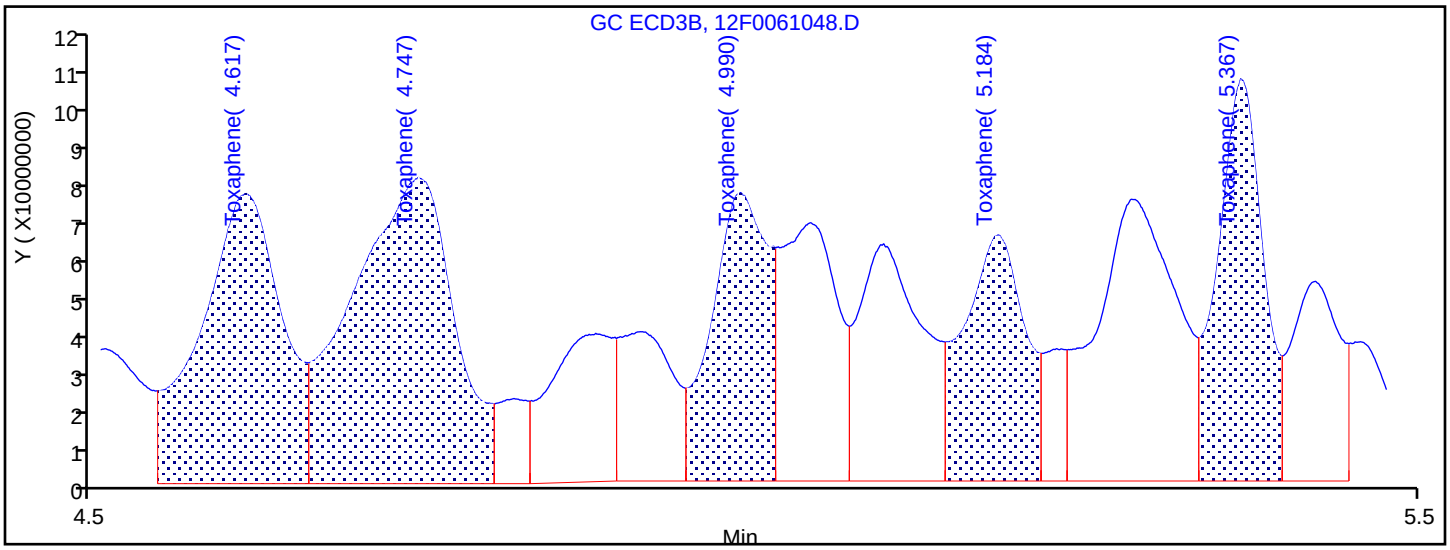
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.617	Response = 241707489
4.747	Response = 319665569
4.990	Response = 165170891
5.184	Response = 146078074
5.367	Response = 187937507



Manual Integration Results

4.617	Response = 282484748	M
4.747	Response = 373482311	M
4.990	Response = 194931574	M
5.184	Response = 180224893	M
5.367	Response = 219373998	M

Reviewer: ESS0, 14-May-2024 03:19:35 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-974528/1-A

Matrix: Solid | Lab File ID: 12F0061051.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 03:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	*Chlordane (technical)*	*0.055*	*U*	*5.0*	*0.055*
72-20-8	*Endrin*	*0.0040*	*U*	*0.50*	*0.0040*
58-89-9	*gamma-BHC (Lindane)*	*0.012*	*U*	*0.50*	*0.012*
76-44-8	*Heptachlor*	*0.0030*	*U*	*0.50*	*0.0030*
1024-57-3	*Heptachlor epoxide*	*0.0050*	*U*	*0.50*	*0.0050*
72-43-5	*Methoxychlor*	*0.0040*	*U*	*0.50*	*0.0040*
8001-35-2	*Toxaphene*	*0.11*	*U*	*5.0*	*0.11*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		10-131
877-09-8	Tetrachloro-m-xylene	90		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Lims ID: MB 460-974528/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-May-2024 03:42:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-008
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:59:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.457	1.457	0.000	220466024	100.0	100.0	
2	1.435	1.435	0.000	422906037	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.929	1.930	-0.001	205329719	100.0	89.6	
2	1.797	1.797	0.000	366875673	100.0	86.0	
						RPD = 4.16	
$ 24 DCB Decachlorobiphenyl							
1	8.156	8.157	-0.001	211318611	100.0	86.4	
2	7.316	7.314	0.002	386628171	100.0	81.8	
						RPD = 5.48	

QC Flag Legend
Processing Flags

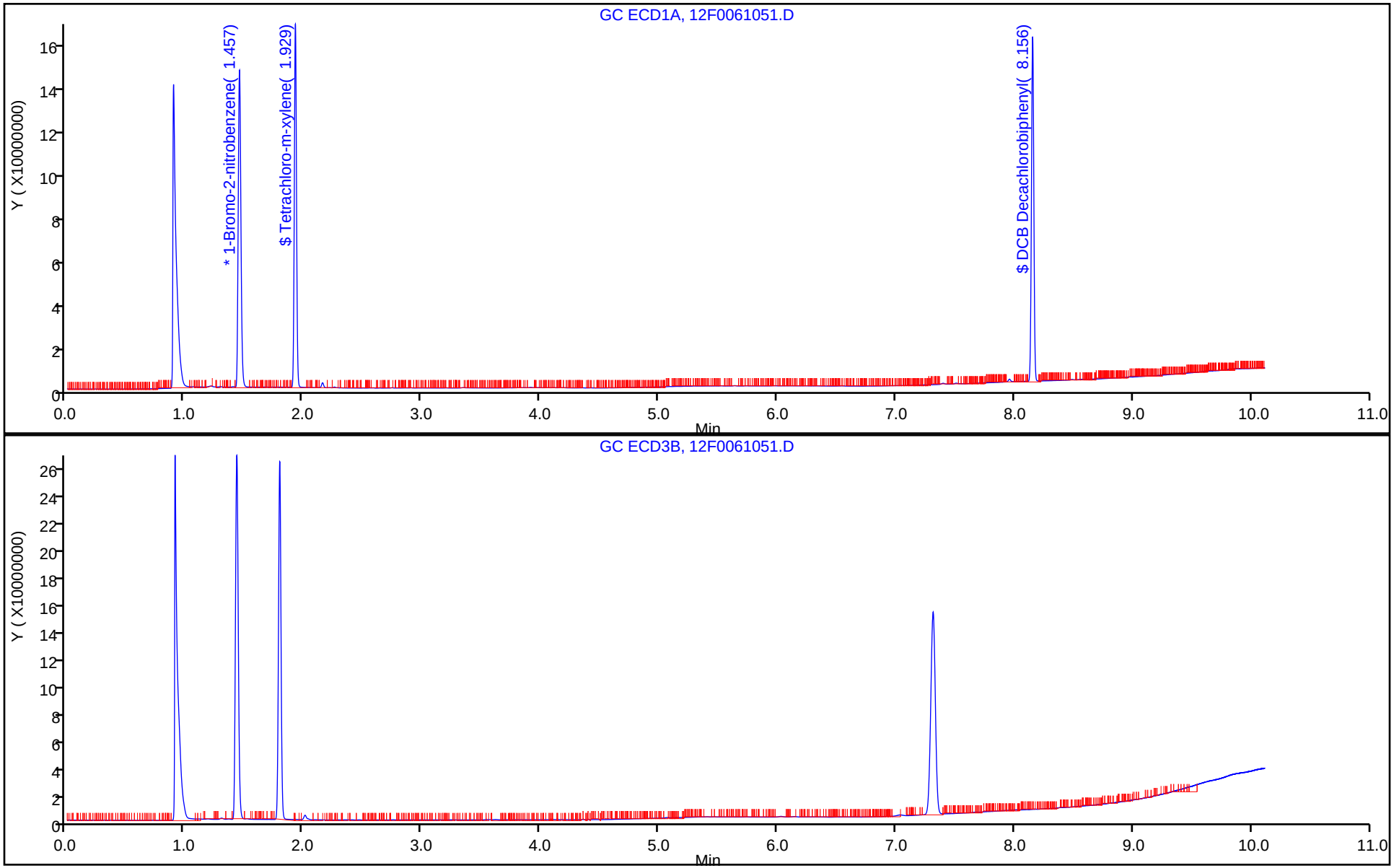
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:54:45 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D

Injection Date:	14-May-2024 03:42:30	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	MB 460-974528/1-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:54:45 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D				
Lims ID:	MB 460-974528/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-May-2024 03:42:30	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-008				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 02:54:39	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1613				
First Level Reviewer:	ESS0	Date:	14-May-2024 03:59:07		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	89.6	89.64
$ 24 DCB Decachlorobiphenyl	100.0	86.4	86.39

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	86.0	85.99
$ 24 DCB Decachlorobiphenyl	100.0	81.8	81.78

User Disabled Compound Report

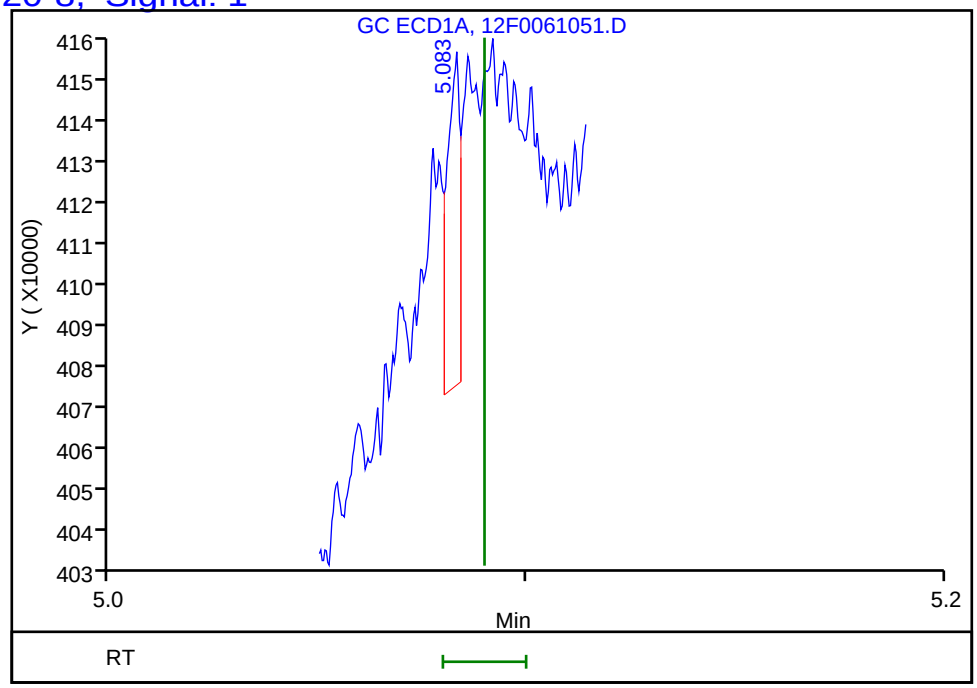
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Injection Date: 14-May-2024 03:42:30 Instrument ID: CPESTGC12
Lims ID: MB 460-974528/1-A
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

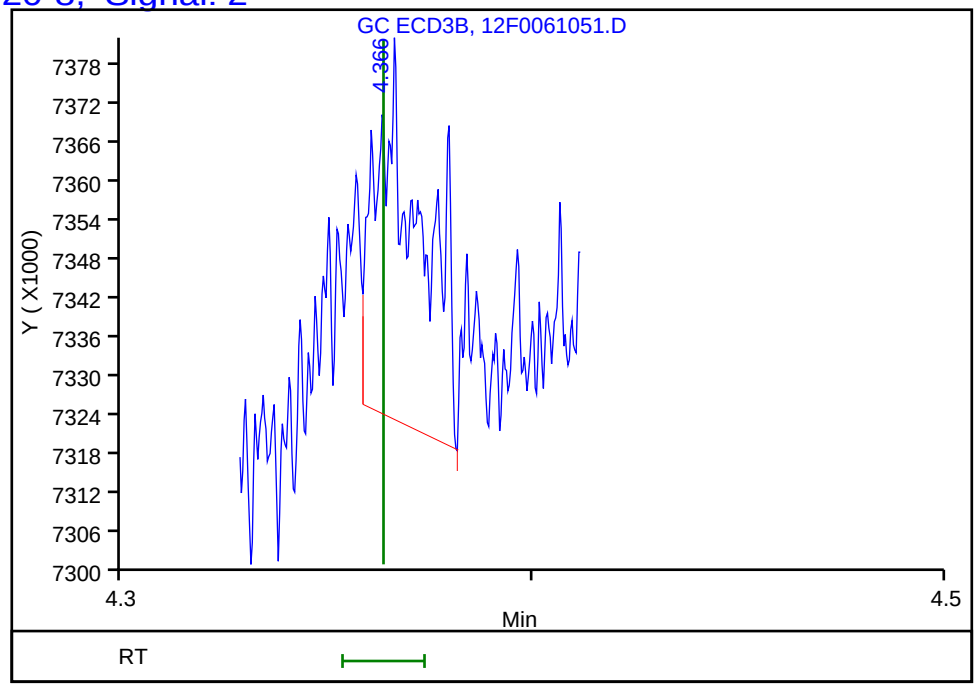
RT: 5.08
Response: 13959
Amount: 0.005152



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.37
Response: 44113
Amount: 0.009150



Reviewer: ESS0, 14-May-2024 03:59:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

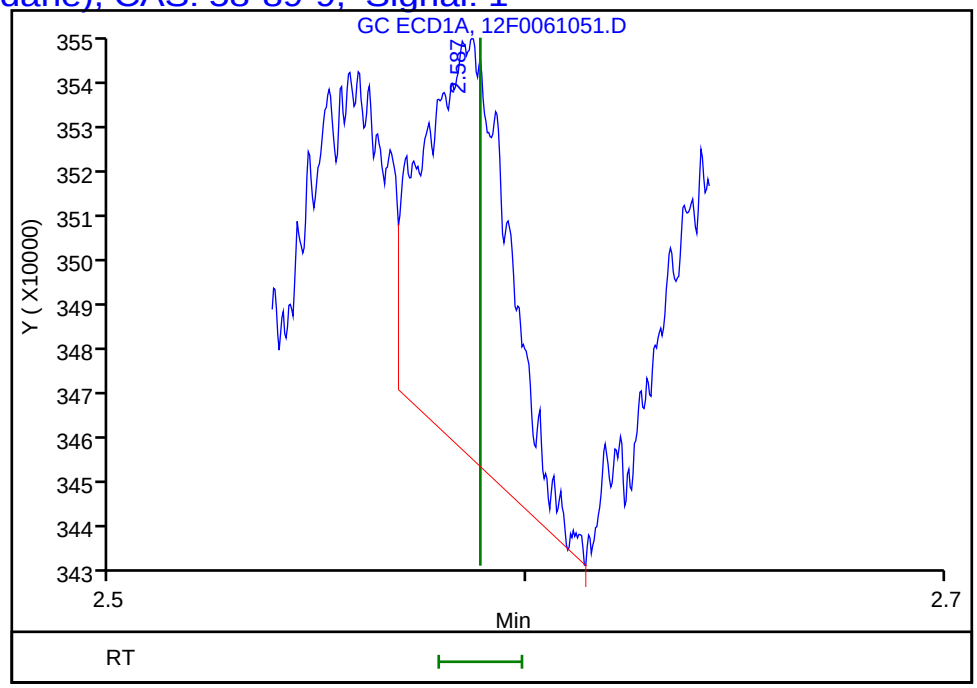
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Injection Date: 14-May-2024 03:42:30 Instrument ID: CPESTGC12
Lims ID: MB 460-974528/1-A
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 1

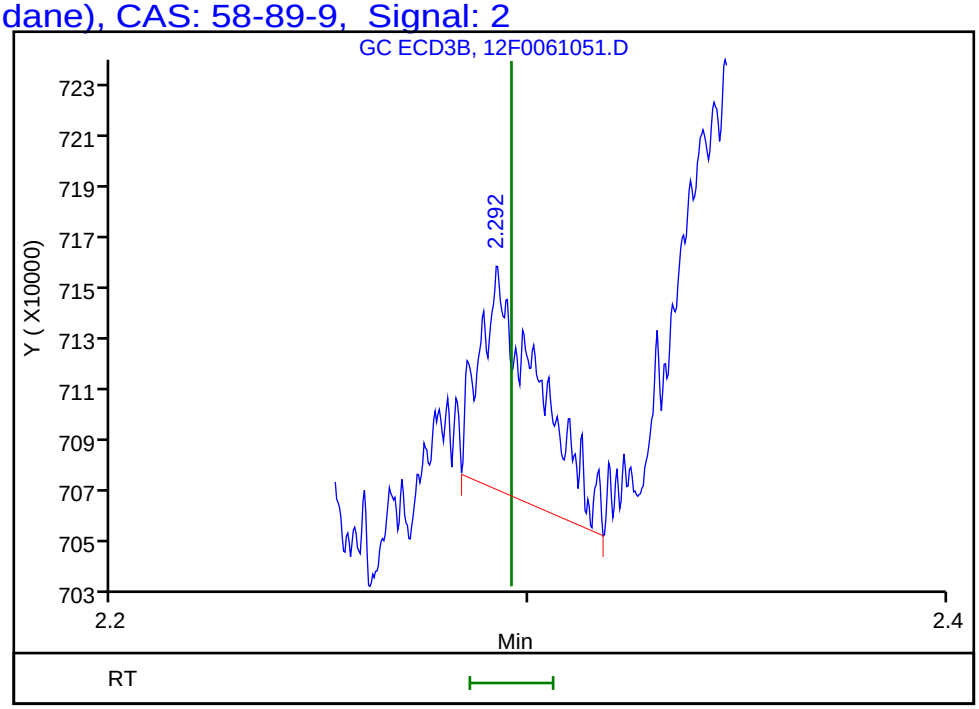
RT: 2.59
Response: 133639
Amount: 0.045000



Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 2

RT: 2.29
Response: 84989
Amount: 0.014431



Reviewer: ESS0, 14-May-2024 03:59:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

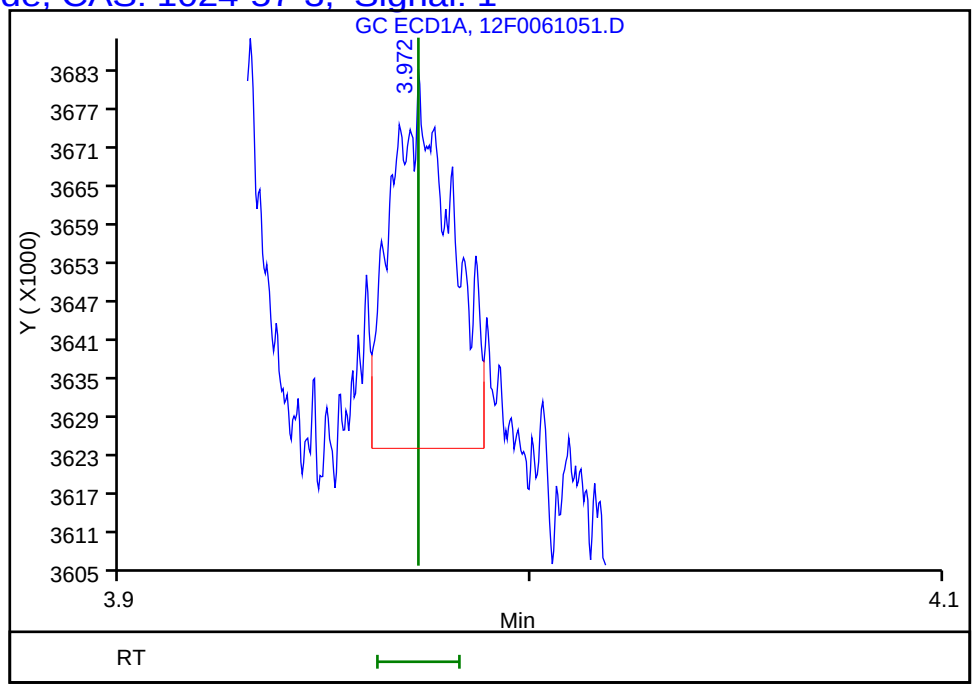
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Injection Date: 14-May-2024 03:42:30 Instrument ID: CPESTGC12
Lims ID: MB 460-974528/1-A
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 1

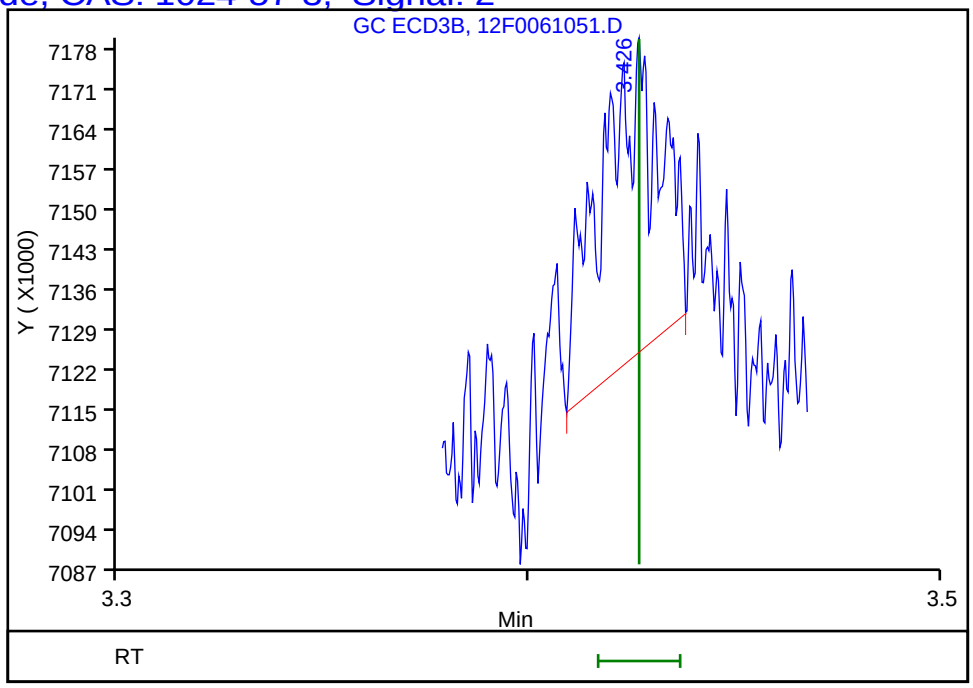
RT: 3.97
Response: 59403
Amount: 0.022195



Column: Detector GC ECD2B

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 2

RT: 3.43
Response: 57036
Amount: 0.011642



Reviewer: ESS0, 14-May-2024 03:59:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

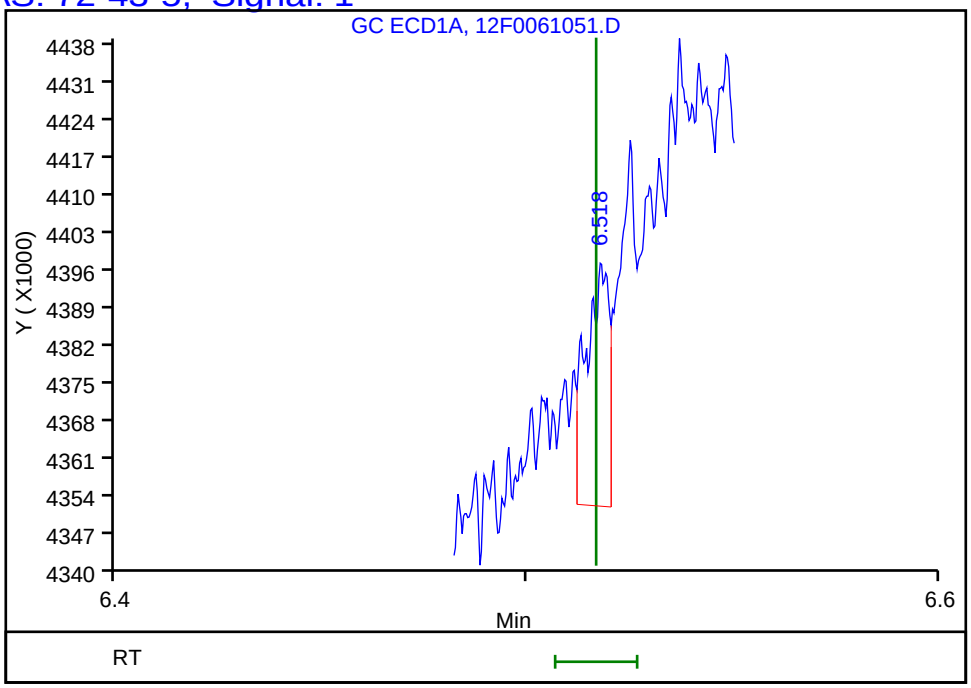
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Injection Date: 14-May-2024 03:42:30 Instrument ID: CPESTGC12
Lims ID: MB 460-974528/1-A
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

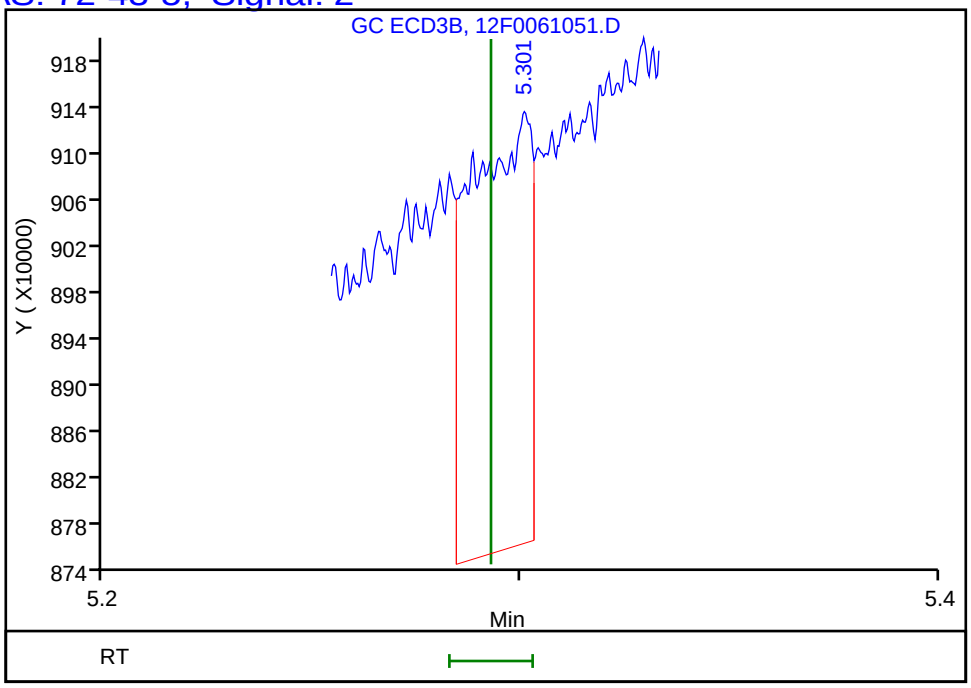
RT: 6.52
Response: 17262
Amount: 0.012875



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.30
Response: 371563
Amount: 0.155786



Reviewer: ESS0, 14-May-2024 03:59:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-974528/1-A

Matrix: Solid | Lab File ID: 12F0061051.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 03:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.055	U	5.0	0.055
72-20-8	Endrin	0.0040	U	0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.012	U	0.50	0.012
76-44-8	Heptachlor	0.0030	U	0.50	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.50	0.0050
72-43-5	Methoxychlor	0.0040	U	0.50	0.0040
8001-35-2	Toxaphene	0.11	U	5.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82		10-131
877-09-8	Tetrachloro-m-xylene	86		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Lims ID: MB 460-974528/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-May-2024 03:42:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-008
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:59:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.457	1.457	0.000	220466024	100.0	100.0	
2	1.435	1.435	0.000	422906037	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.929	1.930	-0.001	205329719	100.0	89.6	
2	1.797	1.797	0.000	366875673	100.0	86.0	
						RPD = 4.16	
$ 24 DCB Decachlorobiphenyl							
1	8.156	8.157	-0.001	211318611	100.0	86.4	
2	7.316	7.314	0.002	386628171	100.0	81.8	
						RPD = 5.48	

QC Flag Legend
Processing Flags

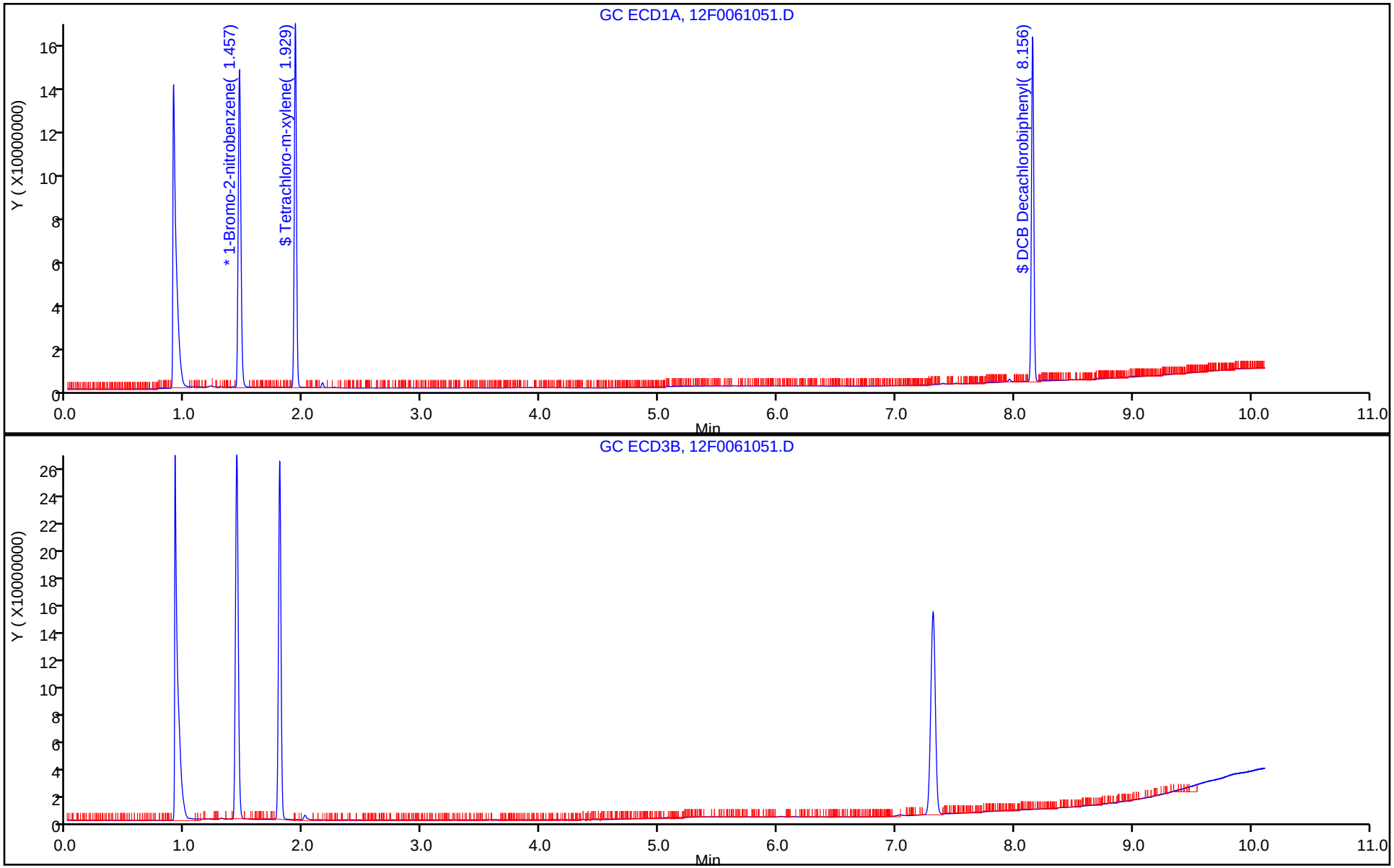
Reagents:
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:54:45 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D

Injection Date:	14-May-2024 03:42:30	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	MB 460-974528/1-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:54:45 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Lims ID: MB 460-974528/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-May-2024 03:42:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-008
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 03:59:07

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	89.6	89.64
$ 24 DCB Decachlorobiphenyl	100.0	86.4	86.39

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	86.0	85.99
$ 24 DCB Decachlorobiphenyl	100.0	81.8	81.78

User Disabled Compound Report

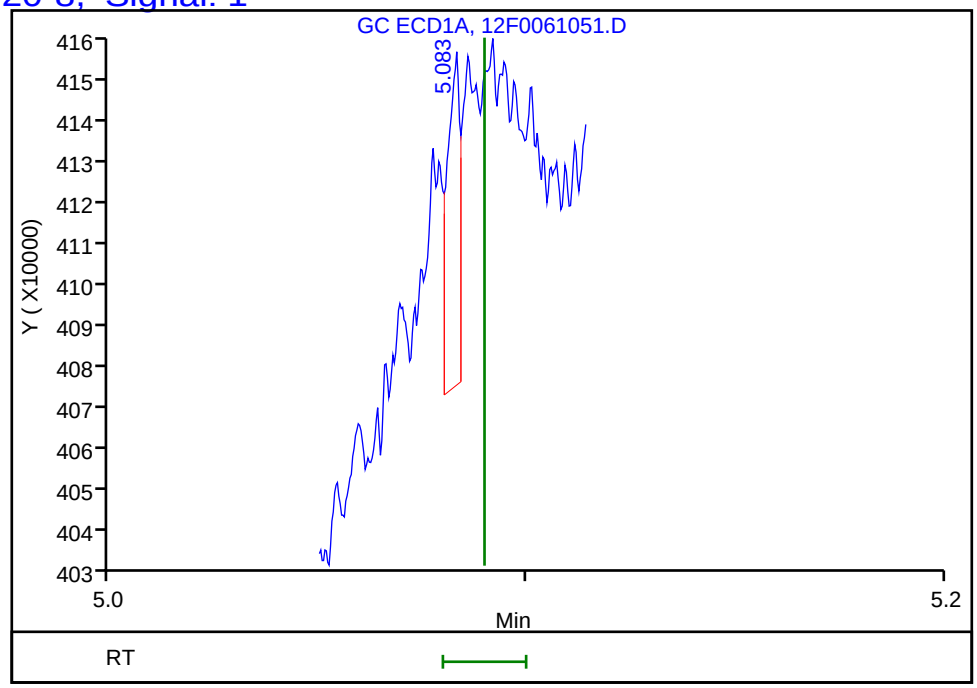
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Injection Date: 14-May-2024 03:42:30 Instrument ID: CPESTGC12
Lims ID: MB 460-974528/1-A
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

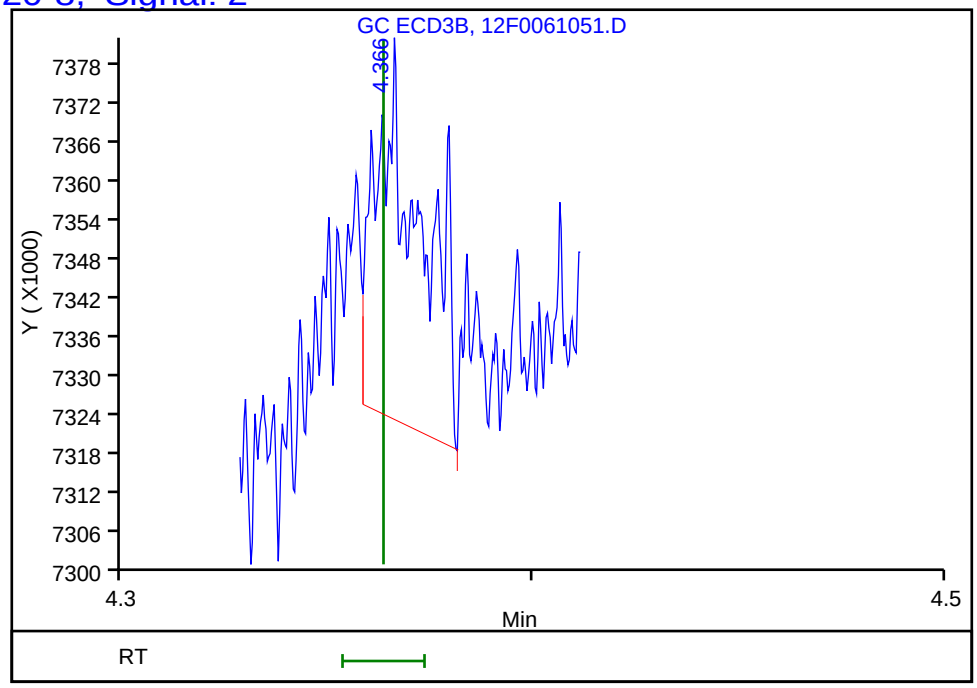
RT: 5.08
Response: 13959
Amount: 0.005152



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.37
Response: 44113
Amount: 0.009150



Reviewer: ESS0, 14-May-2024 03:59:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

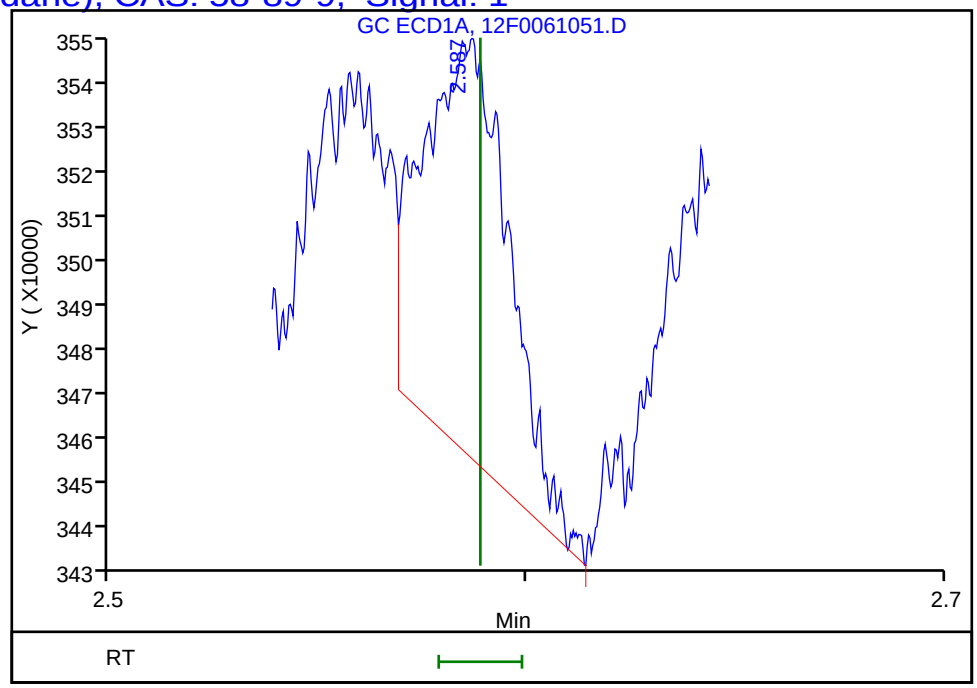
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Injection Date: 14-May-2024 03:42:30 Instrument ID: CPESTGC12
Lims ID: MB 460-974528/1-A
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 1

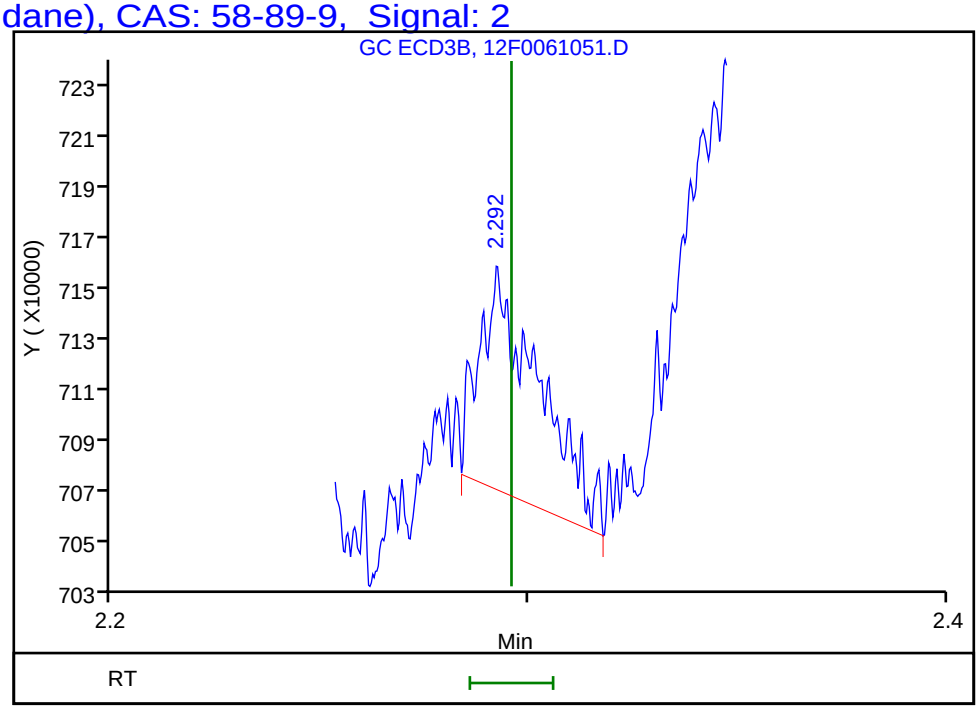
RT: 2.59
Response: 133639
Amount: 0.045000



Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 2

RT: 2.29
Response: 84989
Amount: 0.014431



Reviewer: ESS0, 14-May-2024 03:59:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

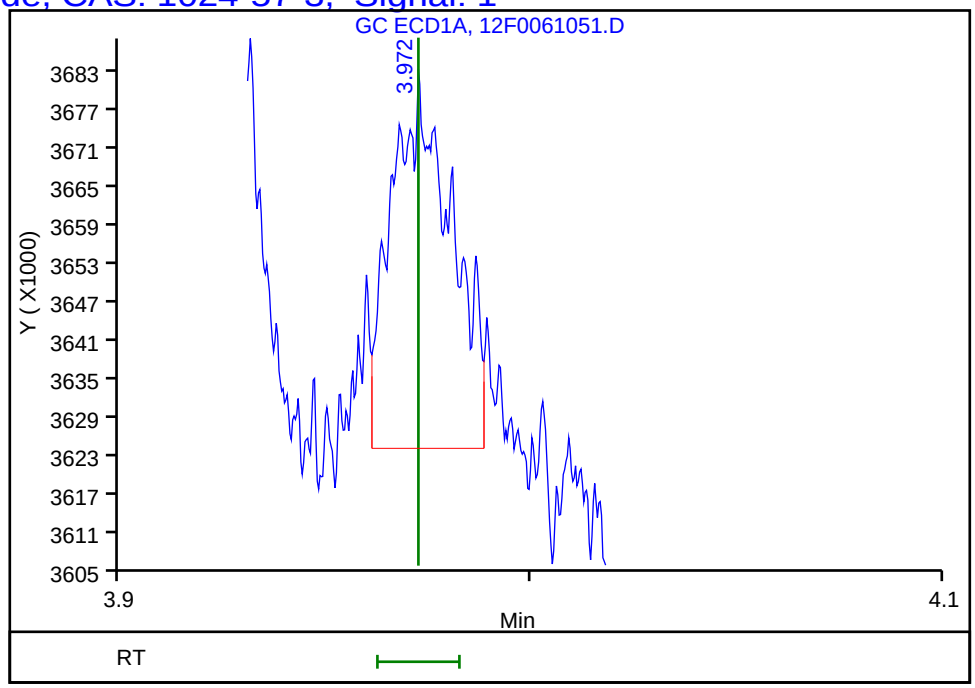
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Injection Date: 14-May-2024 03:42:30 Instrument ID: CPESTGC12
Lims ID: MB 460-974528/1-A
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 1

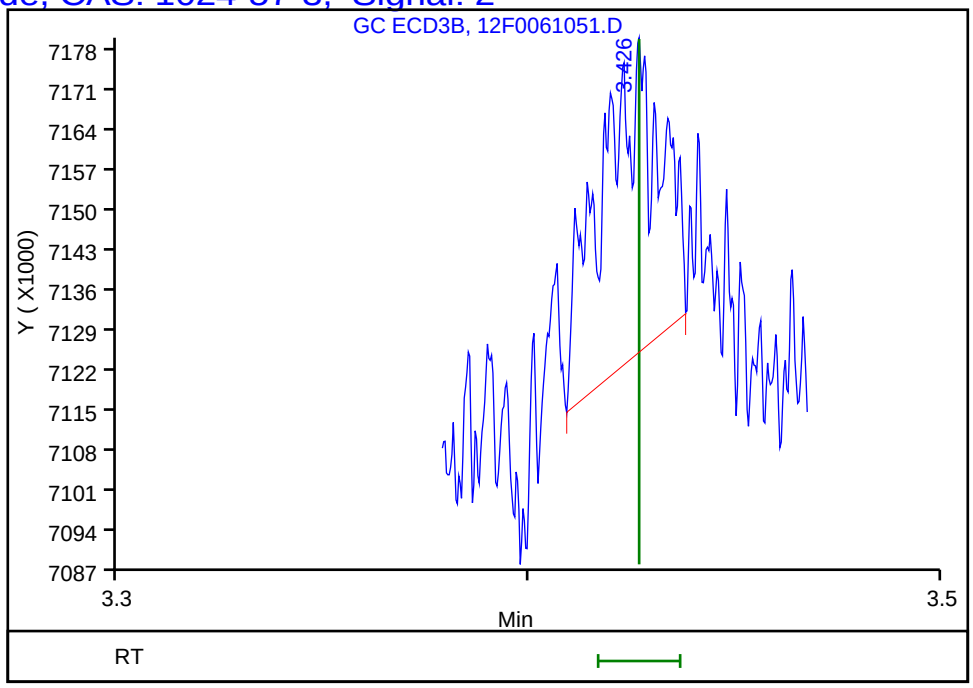
RT: 3.97
Response: 59403
Amount: 0.022195



Column: Detector GC ECD2B

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 2

RT: 3.43
Response: 57036
Amount: 0.011642



Reviewer: ESS0, 14-May-2024 03:59:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

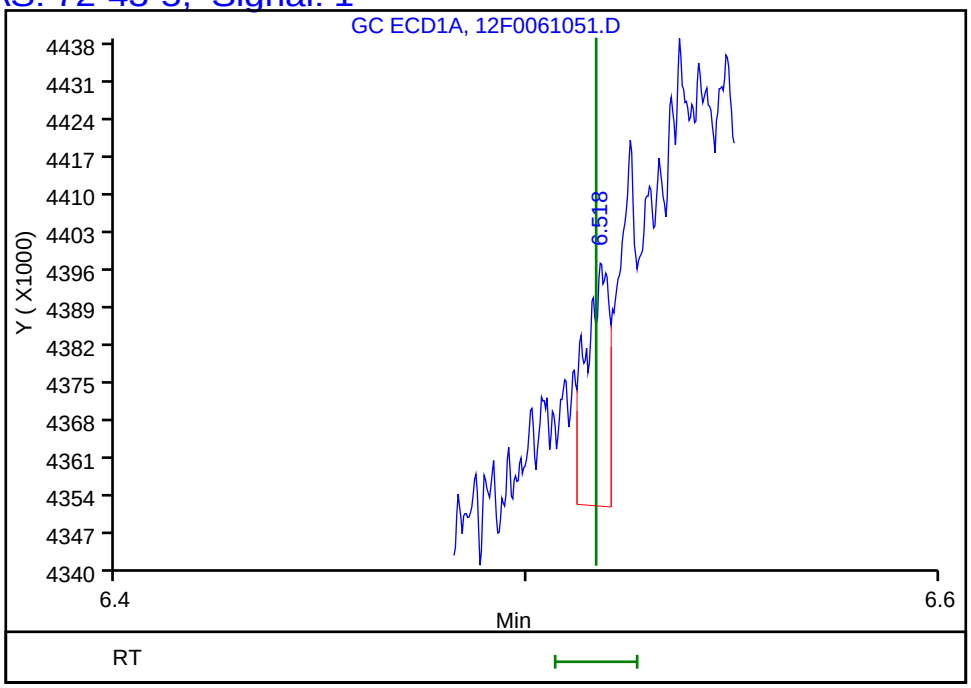
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061051.D
Injection Date: 14-May-2024 03:42:30 Instrument ID: CPESTGC12
Lims ID: MB 460-974528/1-A
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

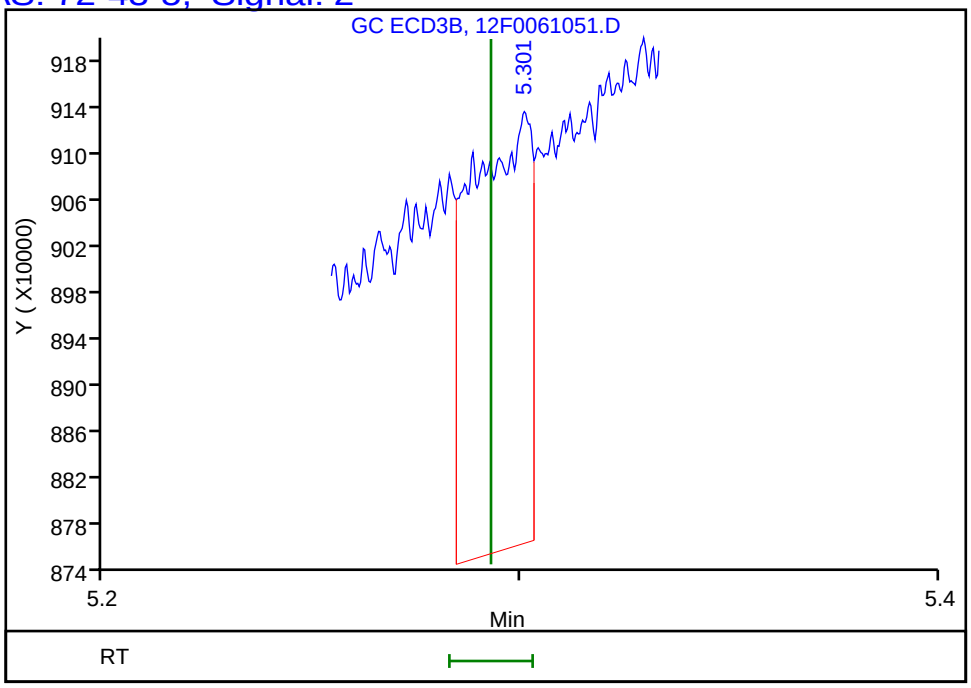
RT: 6.52
Response: 17262
Amount: 0.012875



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.30
Response: 371563
Amount: 0.155786



Reviewer: ESS0, 14-May-2024 03:59:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 460-974423/1-C

Matrix: Solid (TCLP) | Lab File ID: 12F0061053.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 04:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		10-131
877-09-8	Tetrachloro-m-xylene	88		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Lims ID: LB 460-974423/1-C
Client ID:
Sample Type: LB
Inject. Date: 14-May-2024 04:06:58 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-010
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:44:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.457	1.457	0.000	233519797	100.0	100.0	
2	1.434	1.435	-0.001	435735416	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.929	1.930	-0.001	213322259	100.0	87.9	
2	1.797	1.797	0.000	382290698	100.0	87.0	
						RPD = 1.09	
$ 24 DCB Decachlorobiphenyl							
1	8.157	8.157	0.000	219228164	100.0	84.6	
2	7.314	7.314	0.000	404908756	100.0	83.1	
						RPD = 1.77	

Reagents:

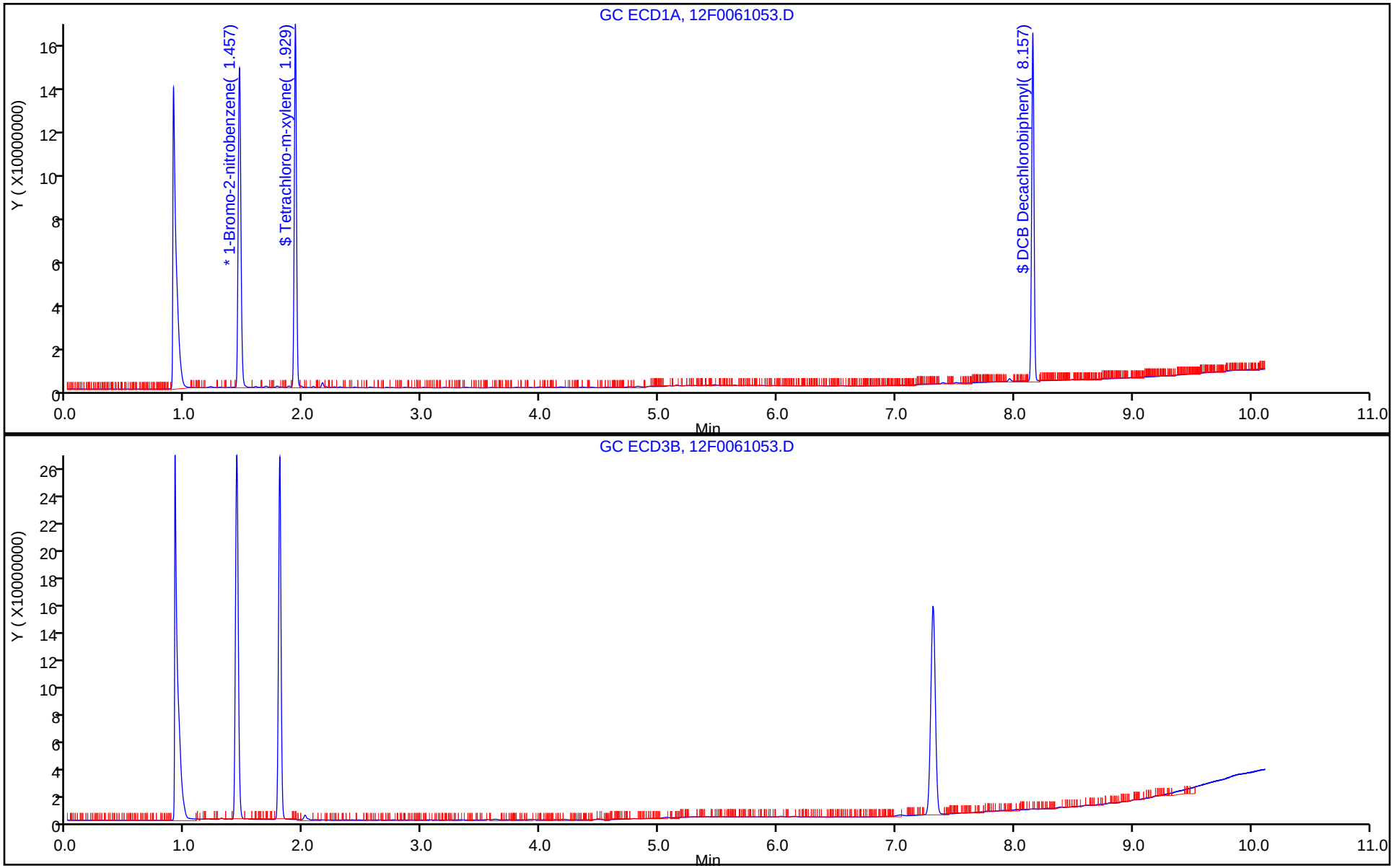
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:54:50 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D

Injection Date:	14-May-2024 04:06:58	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	LB 460-974423/1-C			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:54:50 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Lims ID: LB 460-974423/1-C
Client ID:
Sample Type: LB
Inject. Date: 14-May-2024 04:06:58 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-010
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:44:07

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	87.9	87.92
$ 24 DCB Decachlorobiphenyl	100.0	84.6	84.61

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	87.0	86.97
$ 24 DCB Decachlorobiphenyl	100.0	83.1	83.13

User Disabled Compound Report

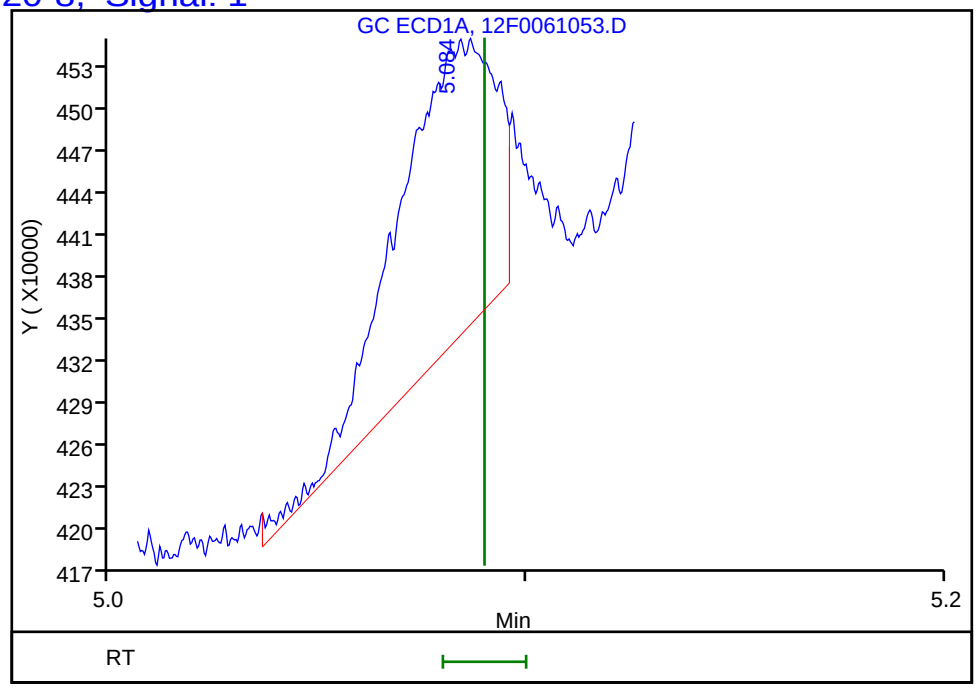
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Injection Date: 14-May-2024 04:06:58 Instrument ID: CPESTGC12
Lims ID: LB 460-974423/1-C
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

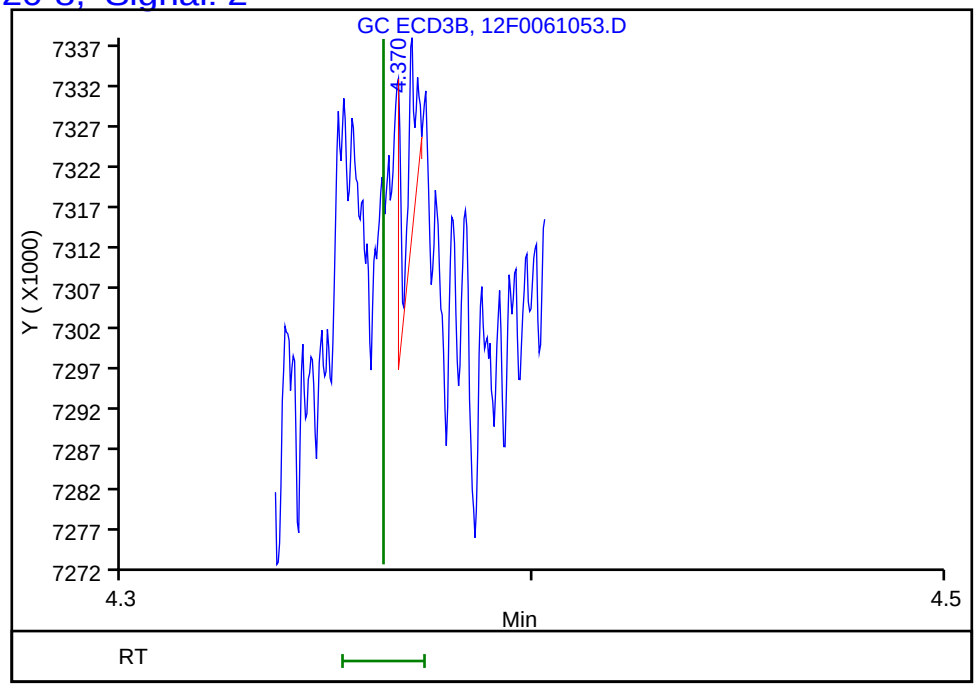
RT: 5.08
Response: 351024
Amount: 0.122321



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.37
Response: 4228
Amount: 0.000851



Reviewer: ESS0, 14-May-2024 04:44:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

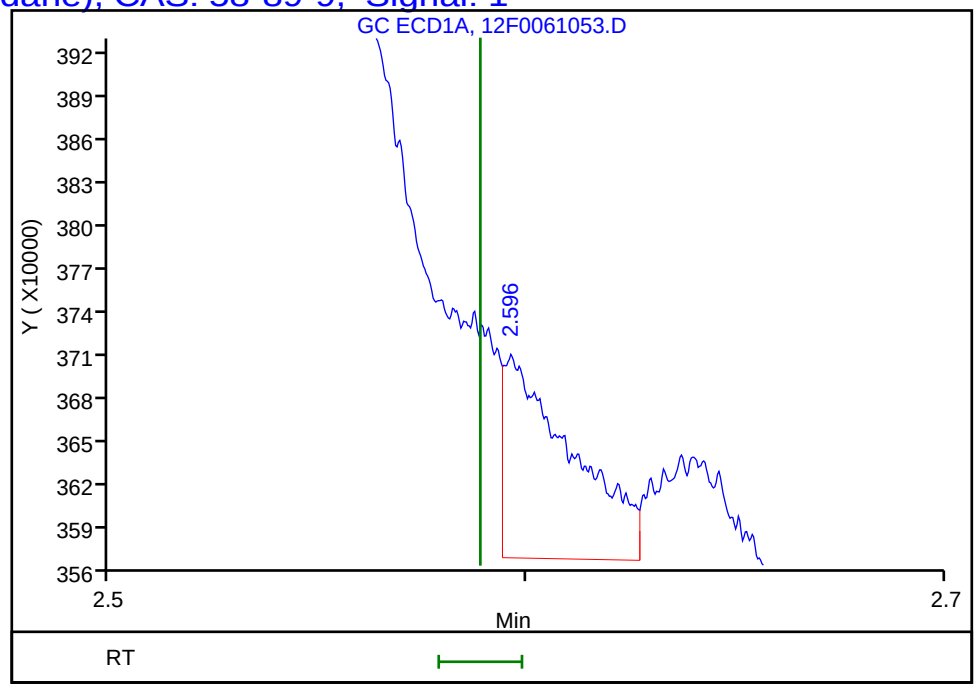
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Injection Date: 14-May-2024 04:06:58 Instrument ID: CPESTGC12
Lims ID: LB 460-974423/1-C
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 1

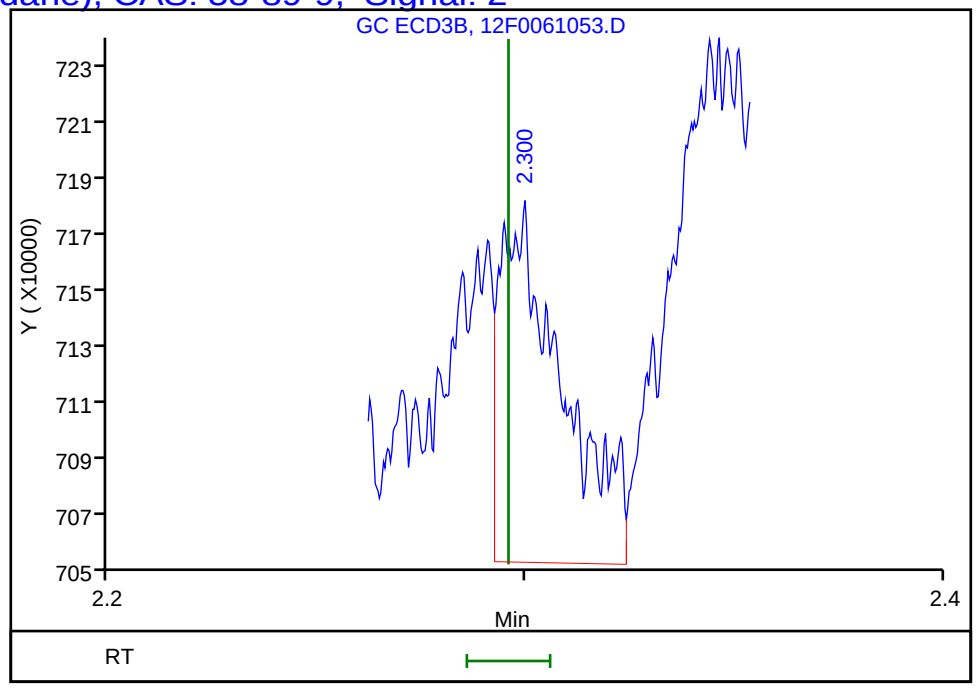
RT: 2.60
Response: 154396
Amount: 0.049083



Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 2

RT: 2.30
Response: 125917
Amount: 0.020751



Reviewer: ESS0, 14-May-2024 04:44:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

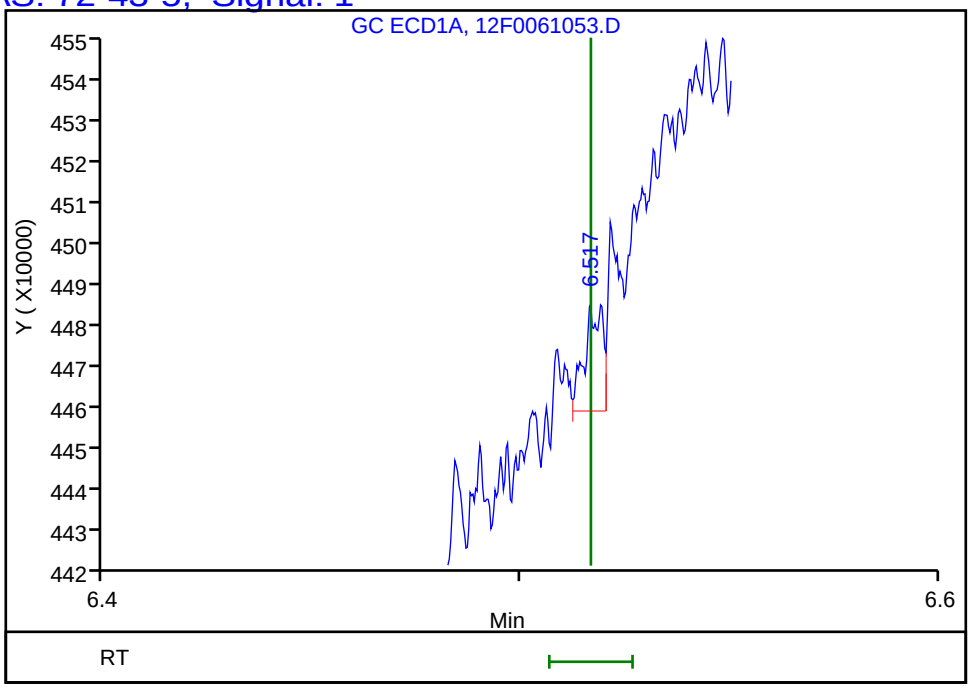
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Injection Date: 14-May-2024 04:06:58 Instrument ID: CPESTGC12
Lims ID: LB 460-974423/1-C
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

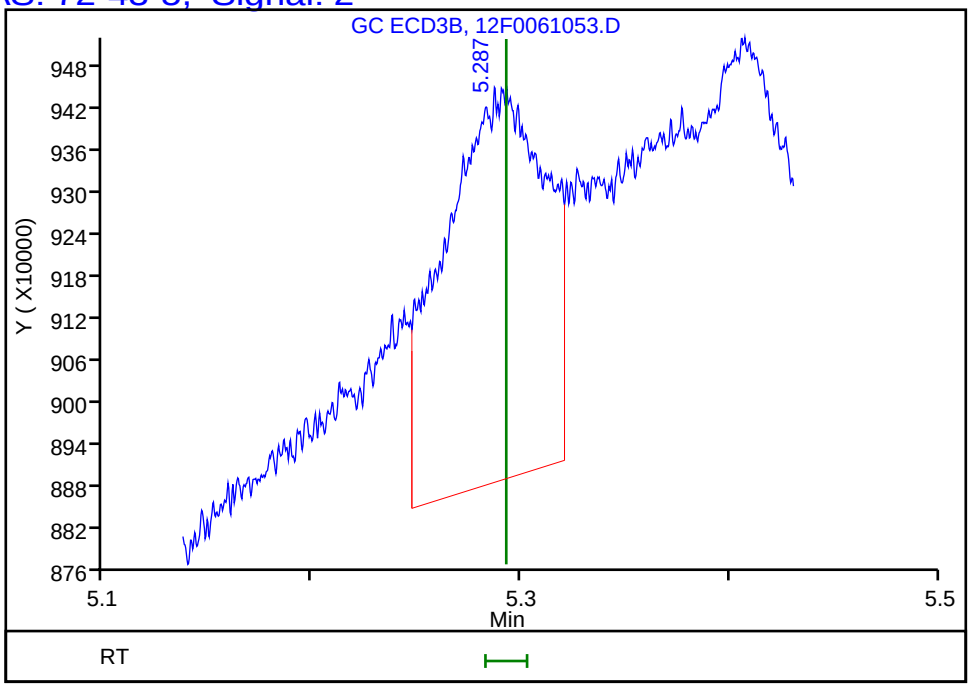
RT: 6.52
Response: 7553
Amount: 0.005319



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.29
Response: 1898383
Amount: 0.772504



Reviewer: ESS0, 14-May-2024 04:44:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 460-974423/1-C

Matrix: Solid (TCLP) | Lab File ID: 12F0061053.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 04:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.055	U	5.0	0.055
72-20-8	Endrin	0.0040	U	0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.012	U	0.50	0.012
76-44-8	Heptachlor	0.0030	U	0.50	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.50	0.0050
72-43-5	Methoxychlor	0.0040	U	0.50	0.0040
8001-35-2	Toxaphene	0.11	U	5.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	83		10-131
877-09-8	Tetrachloro-m-xylene	87		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Lims ID: LB 460-974423/1-C
Client ID:
Sample Type: LB
Inject. Date: 14-May-2024 04:06:58 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-010
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:44:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.457	1.457	0.000	233519797	100.0	100.0	
2	1.434	1.435	-0.001	435735416	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.929	1.930	-0.001	213322259	100.0	87.9	
2	1.797	1.797	0.000	382290698	100.0	87.0	
						RPD = 1.09	
$ 24 DCB Decachlorobiphenyl							
1	8.157	8.157	0.000	219228164	100.0	84.6	
2	7.314	7.314	0.000	404908756	100.0	83.1	
						RPD = 1.77	

Reagents:

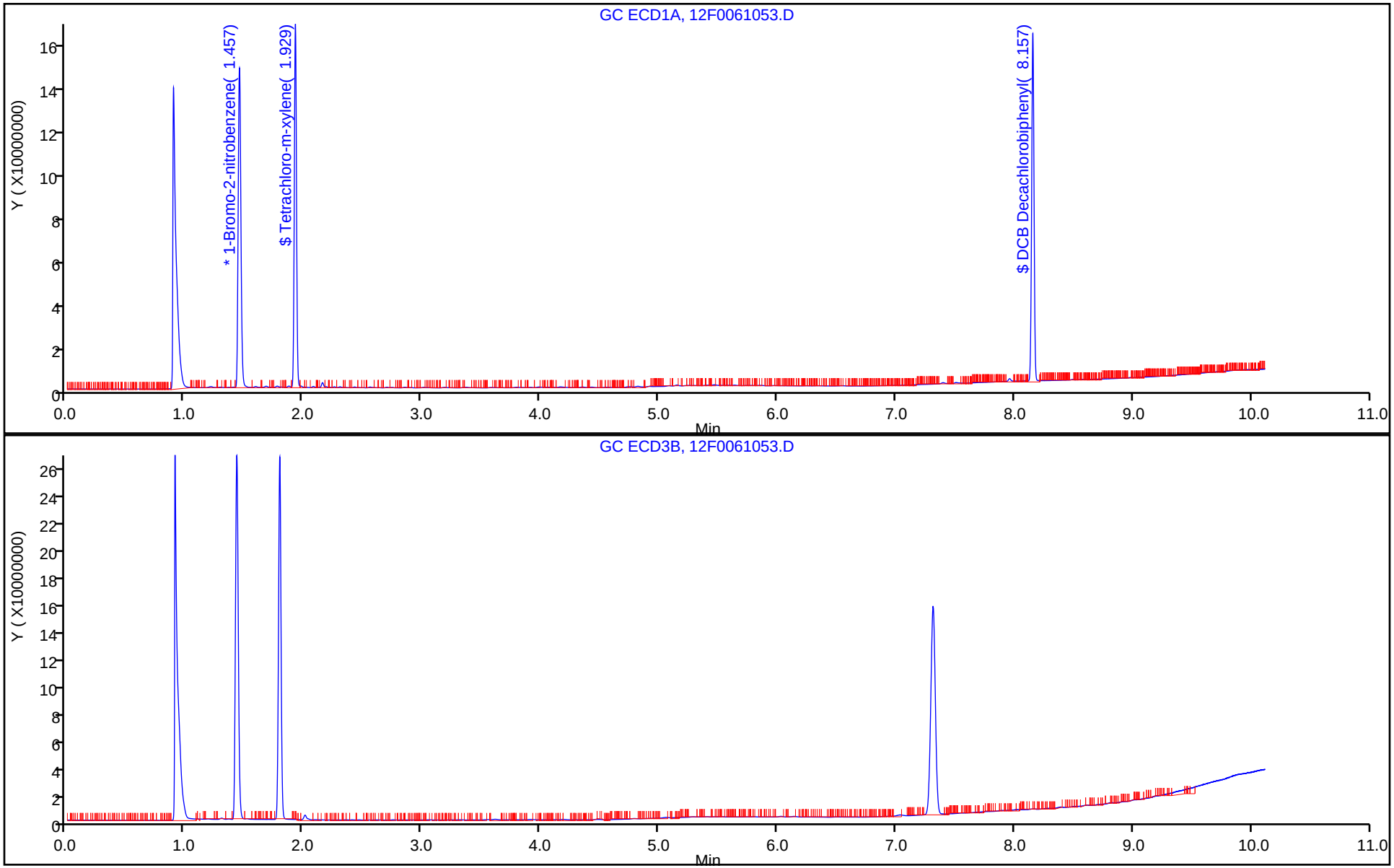
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:54:51 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D

Injection Date:	14-May-2024 04:06:58	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	LB 460-974423/1-C			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:54:51 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Lims ID: LB 460-974423/1-C
Client ID:
Sample Type: LB
Inject. Date: 14-May-2024 04:06:58 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-010
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:44:07

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	87.9	87.92
$ 24 DCB Decachlorobiphenyl	100.0	84.6	84.61

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	87.0	86.97
$ 24 DCB Decachlorobiphenyl	100.0	83.1	83.13

User Disabled Compound Report

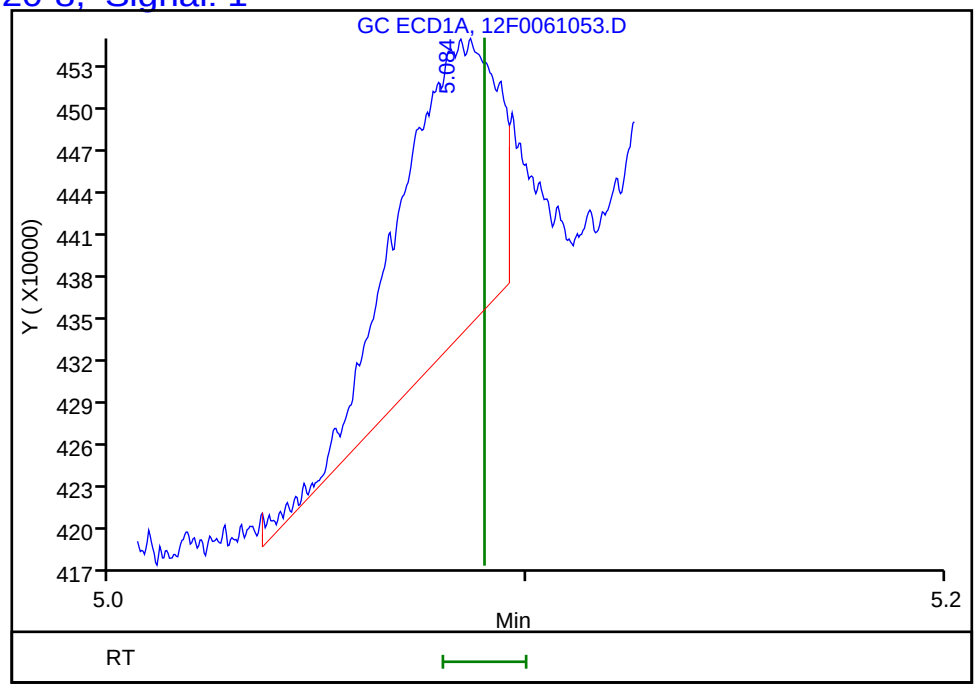
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Injection Date: 14-May-2024 04:06:58 Instrument ID: CPESTGC12
Lims ID: LB 460-974423/1-C
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

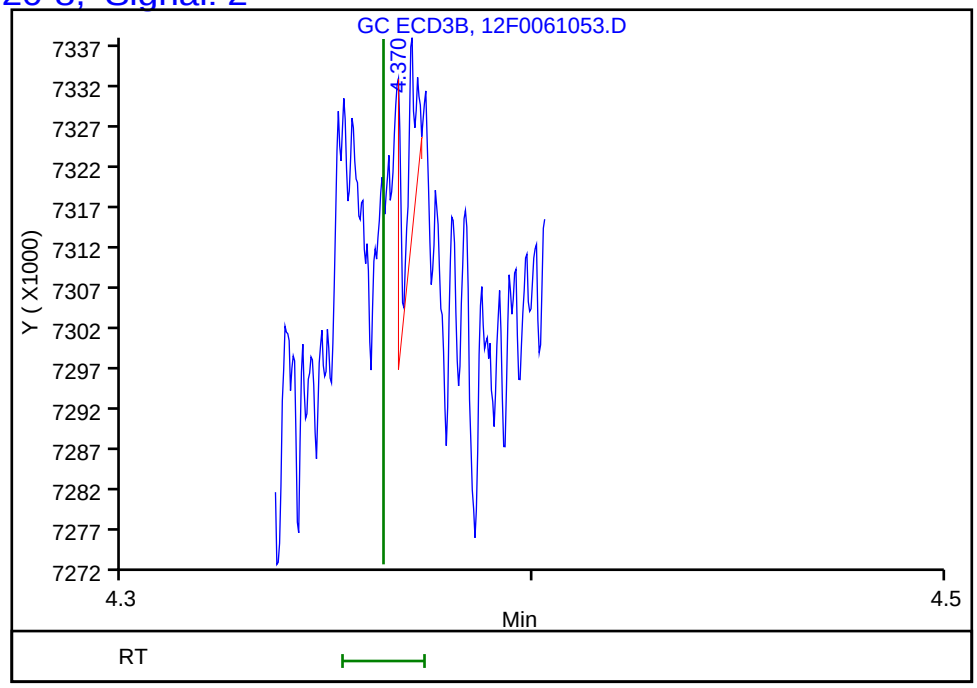
RT: 5.08
Response: 351024
Amount: 0.122321



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.37
Response: 4228
Amount: 0.000851



Reviewer: ESS0, 14-May-2024 04:44:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

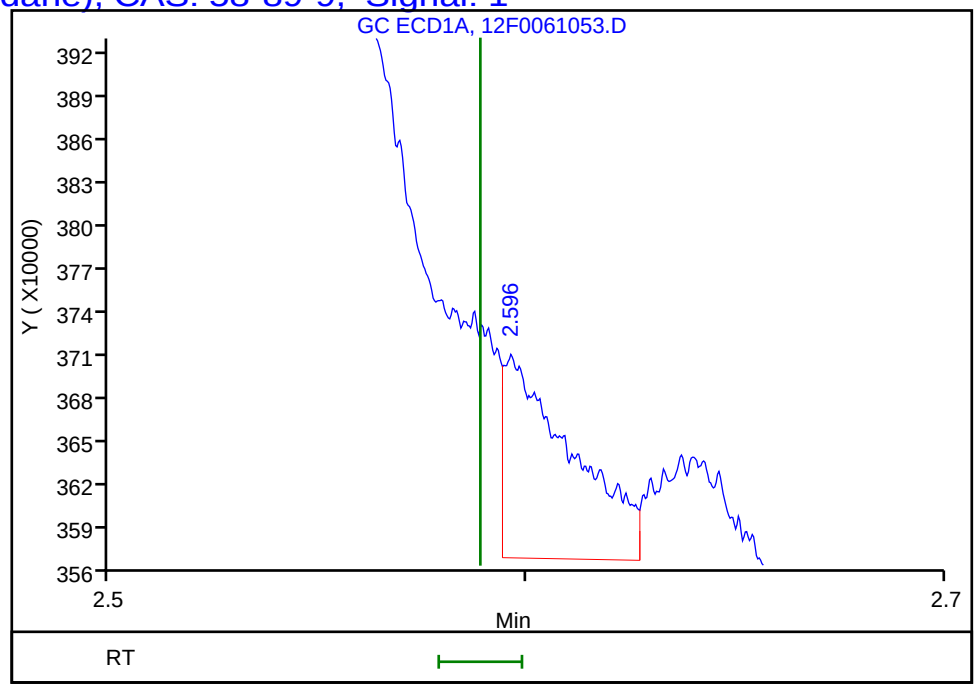
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Injection Date: 14-May-2024 04:06:58 Instrument ID: CPESTGC12
Lims ID: LB 460-974423/1-C
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 1

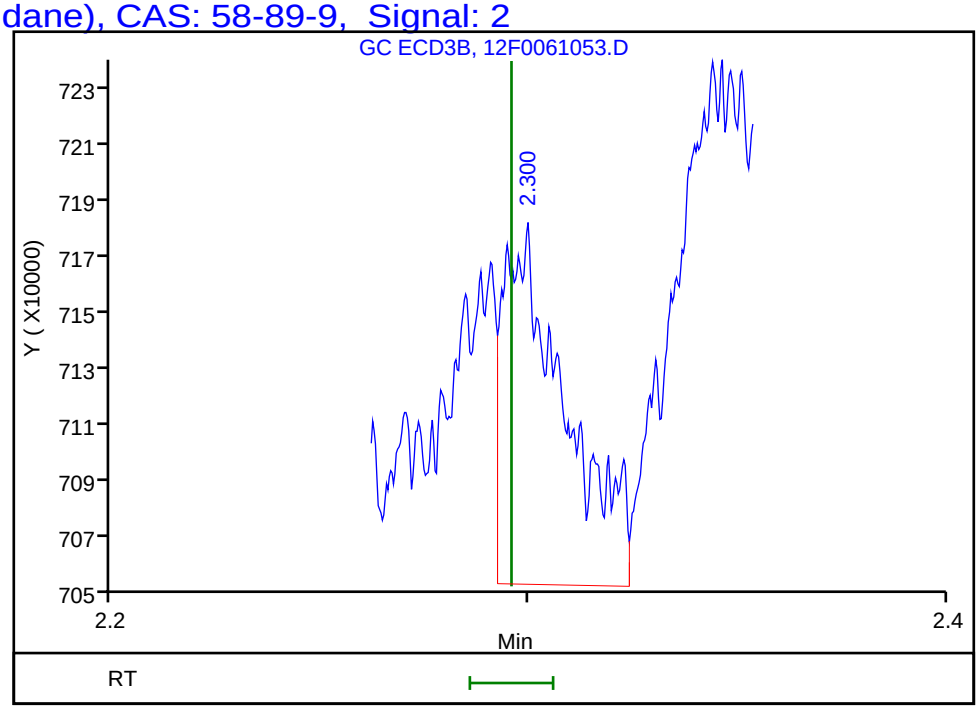
RT: 2.60
Response: 154396
Amount: 0.049083



Column: Detector GC ECD2B

2 gamma-BHC (Lindane), CAS: 58-89-9, Signal: 2

RT: 2.30
Response: 125917
Amount: 0.020751



Reviewer: ESS0, 14-May-2024 04:44:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

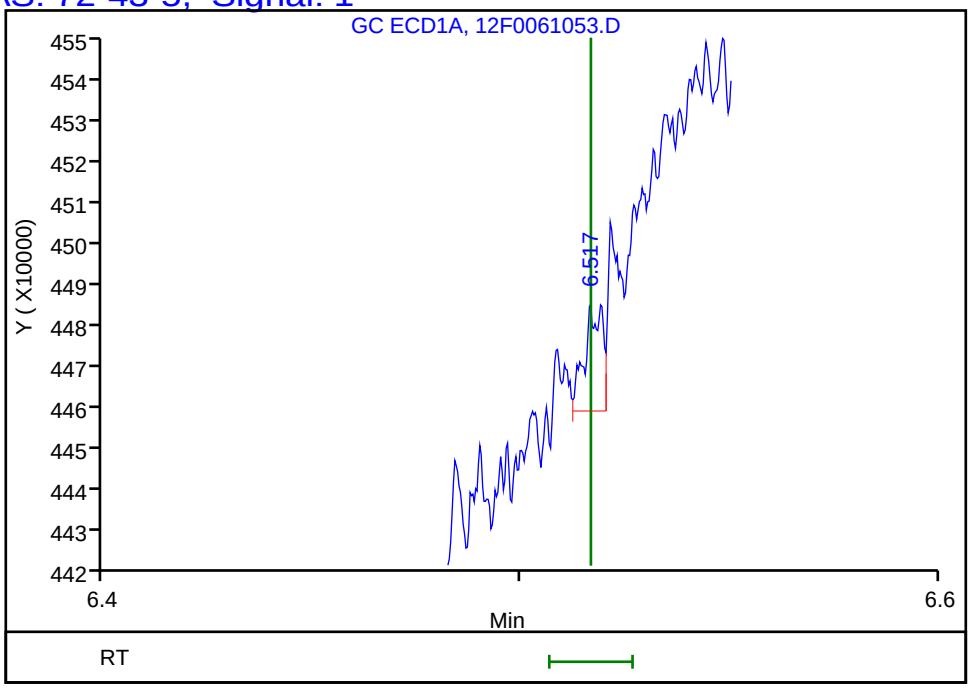
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061053.D
Injection Date: 14-May-2024 04:06:58 Instrument ID: CPESTGC12
Lims ID: LB 460-974423/1-C
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

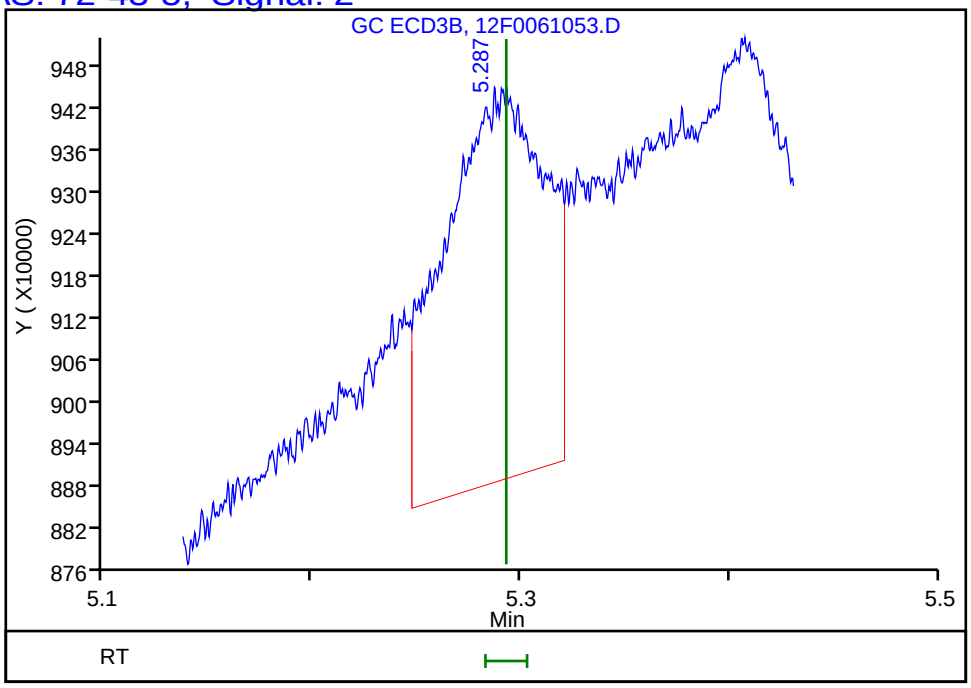
RT: 6.52
Response: 7553
Amount: 0.005319



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.29
Response: 1898383
Amount: 0.772504



Reviewer: ESS0, 14-May-2024 04:44:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: PIBLK 460-974654/1

Matrix: Solid | Lab File ID: 12F0061044.D

Analysis Method: 8081B | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 05/14/2024 02:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.055	U	0.50	0.055
72-20-8	Endrin	0.0040	U	0.020	0.0040
58-89-9	gamma-BHC (Lindane)	0.012	U	0.020	0.012
76-44-8	Heptachlor	0.0030	U	0.020	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.020	0.0050
72-43-5	Methoxychlor	0.0040	U	0.020	0.0040
8001-35-2	Toxaphene	0.11	U	0.50	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		10-131
877-09-8	Tetrachloro-m-xylene	119		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 14-May-2024 02:16:21 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: PIBLK
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:44:07 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 02:39:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.461	1.457	0.004	200124823	100.0	100.0	
2	1.434	1.435	-0.001	370730376	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.934	1.930	0.004	49438976	20.0	23.8	
2	1.794	1.797	-0.003	84400390	20.0	22.6	
						RPD = 5.22	
$ 24 DCB Decachlorobiphenyl							
1	8.170	8.157	0.013	45483439	20.0	20.5	
2	7.311	7.314	-0.003	86272910	20.0	20.8	
						RPD = 1.62	

QC Flag Legend
Processing Flags

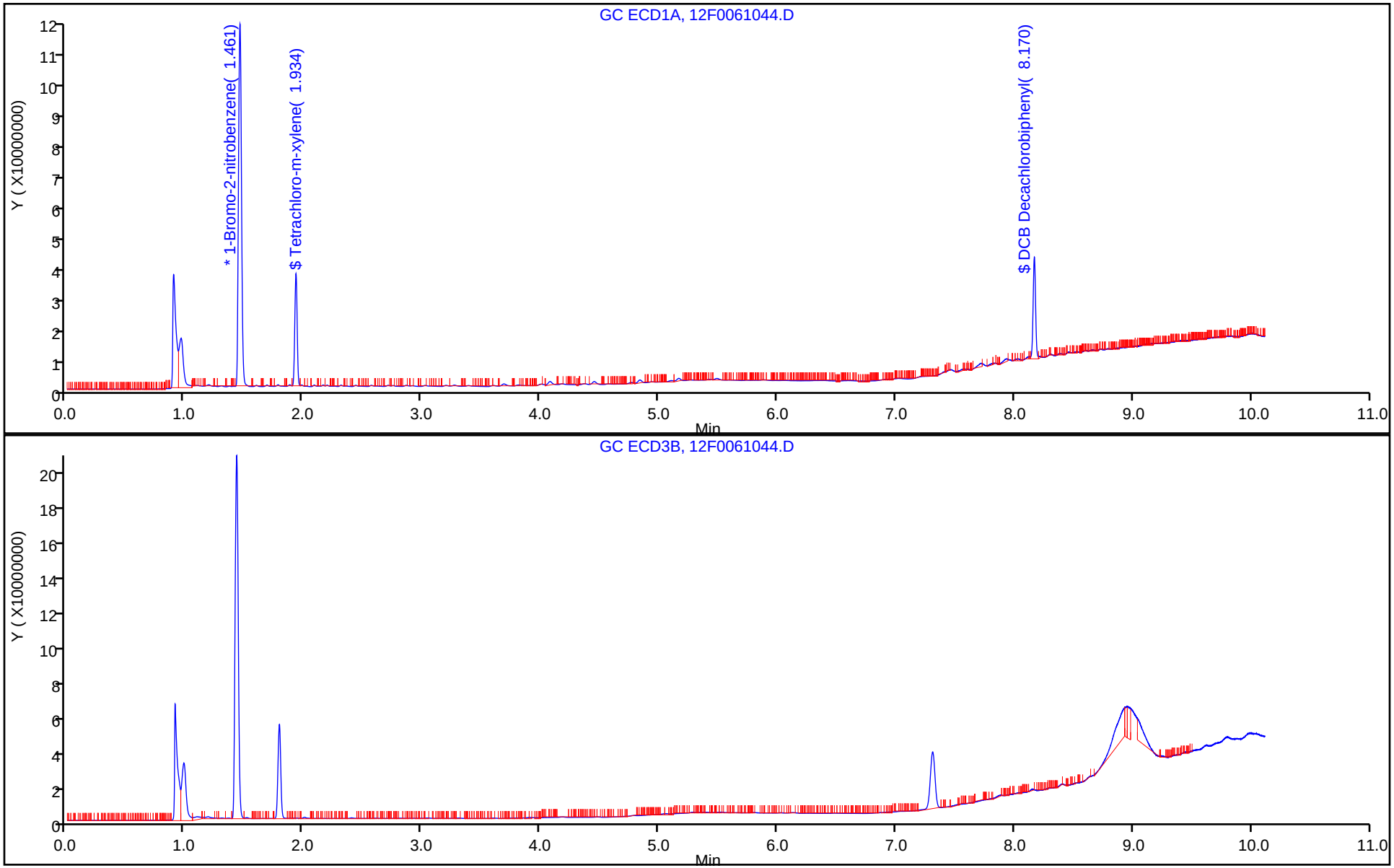
Reagents:
SGPIBLK_00036 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:44:56 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D

Injection Date:	14-May-2024 02:16:21	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	PIBLK			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:44:56 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D				
Lims ID:	PIBLK				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	14-May-2024 02:16:21	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	PIBLK				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 04:44:07	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1613				
First Level Reviewer:	ESS0	Date:	14-May-2024 02:39:38		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	20.0	23.8	118.89
$ 24 DCB Decachlorobiphenyl	20.0	20.5	102.42

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	20.0	22.6	112.83
$ 24 DCB Decachlorobiphenyl	20.0	20.8	104.09

User Disabled Compound Report

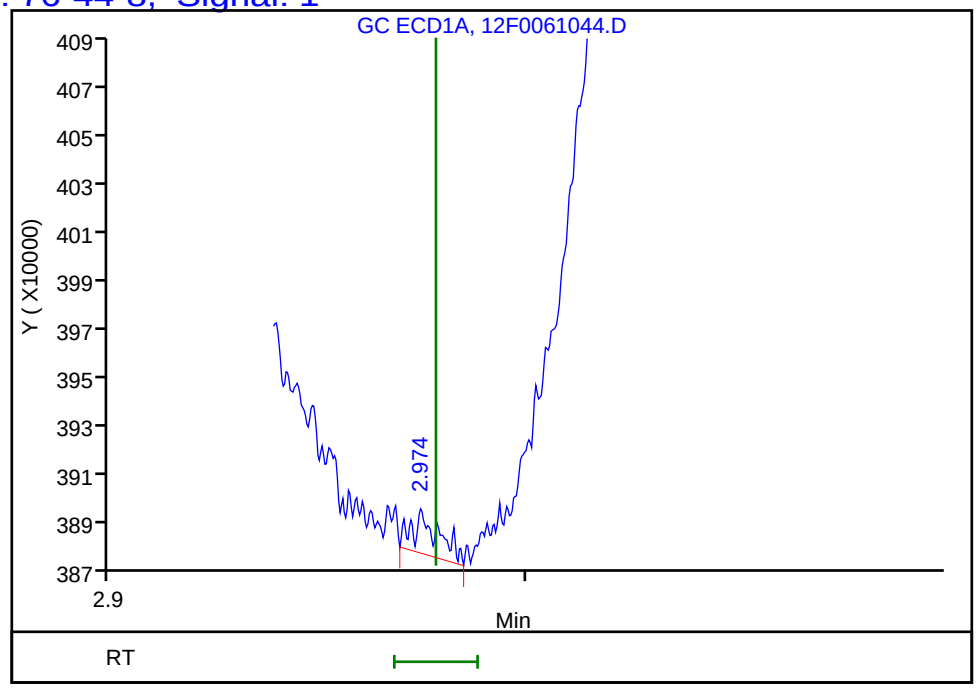
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D
Injection Date: 14-May-2024 02:16:21 Instrument ID: CPESTGC12
Lims ID: PIBLK
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

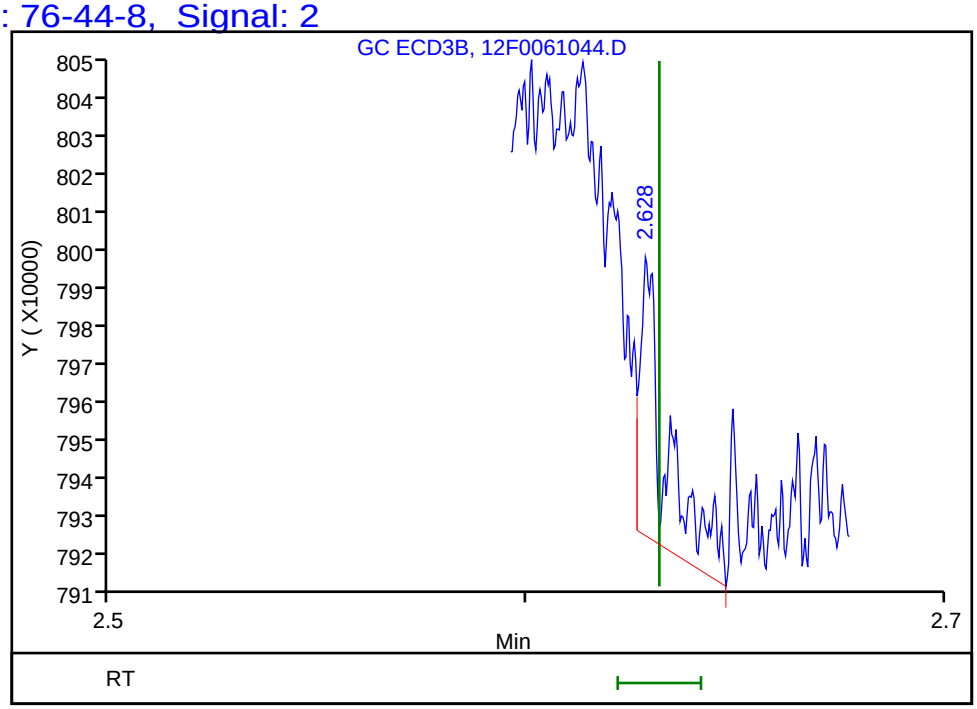
RT: 2.97
Response: 7683
Amount: 0.002817



Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.63
Response: 27502
Amount: 0.005531



Reviewer: ESS0, 14-May-2024 02:39:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

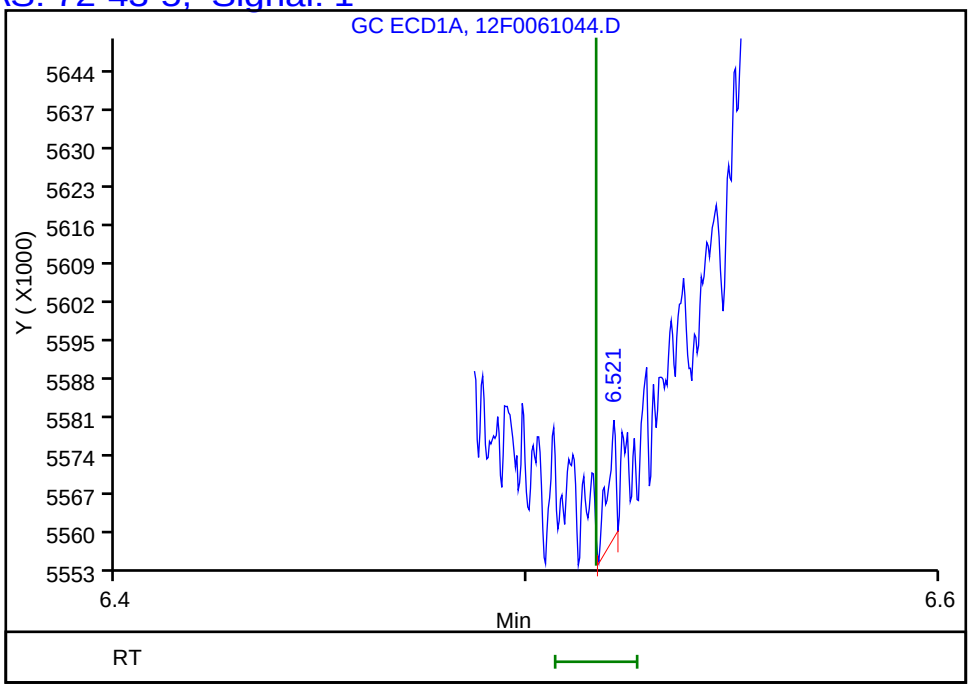
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D
Injection Date: 14-May-2024 02:16:21 Instrument ID: CPESTGC12
Lims ID: PIBLK
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

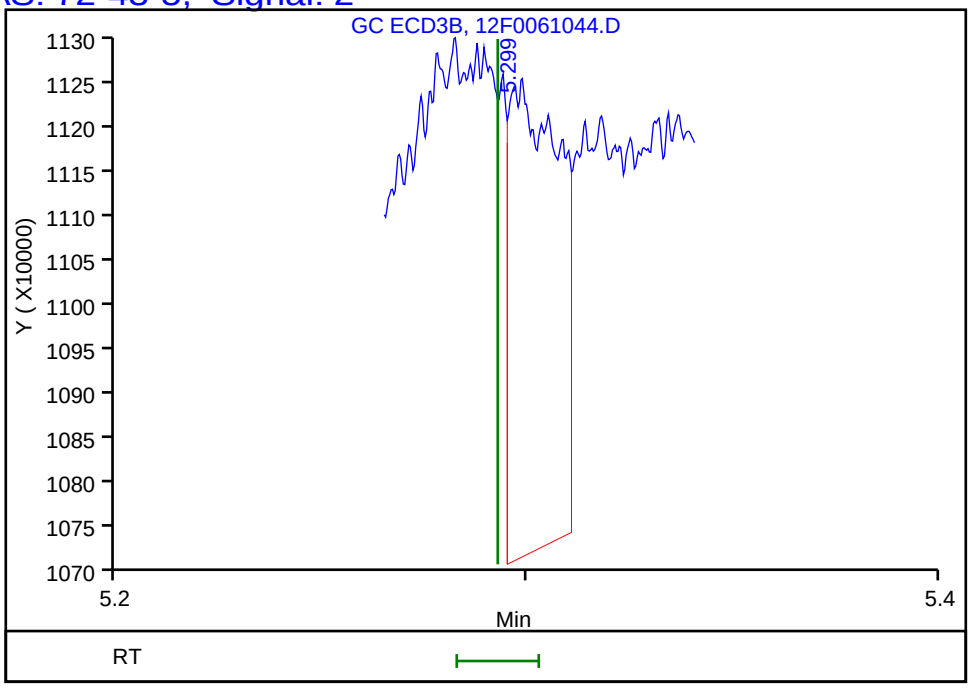
RT: 6.52
Response: 3121
Amount: 0.002564



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.30
Response: 440328
Amount: 0.210600



Reviewer: ESS0, 14-May-2024 02:39:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: PIBLK 460-974654/1

Matrix: Solid | Lab File ID: 12F0061044.D

Analysis Method: 8081B | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 05/14/2024 02:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	*Chlordane (technical)*	*0.055*	*U*	*0.50*	*0.055*
72-20-8	*Endrin*	*0.0040*	*U*	*0.020*	*0.0040*
58-89-9	*gamma-BHC (Lindane)*	*0.012*	*U*	*0.020*	*0.012*
76-44-8	*Heptachlor*	*0.0030*	*U*	*0.020*	*0.0030*
1024-57-3	*Heptachlor epoxide*	*0.0050*	*U*	*0.020*	*0.0050*
72-43-5	*Methoxychlor*	*0.0040*	*U*	*0.020*	*0.0040*
8001-35-2	*Toxaphene*	*0.11*	*U*	*0.50*	*0.11*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		10-131
877-09-8	Tetrachloro-m-xylene	113		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 14-May-2024 02:16:21 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: PIBLK
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:44:07 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 02:39:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.461	1.457	0.004	200124823	100.0	100.0	
2	1.434	1.435	-0.001	370730376	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.934	1.930	0.004	49438976	20.0	23.8	
2	1.794	1.797	-0.003	84400390	20.0	22.6	
						RPD = 5.22	
$ 24 DCB Decachlorobiphenyl							
1	8.170	8.157	0.013	45483439	20.0	20.5	
2	7.311	7.314	-0.003	86272910	20.0	20.8	
						RPD = 1.62	

QC Flag Legend
Processing Flags

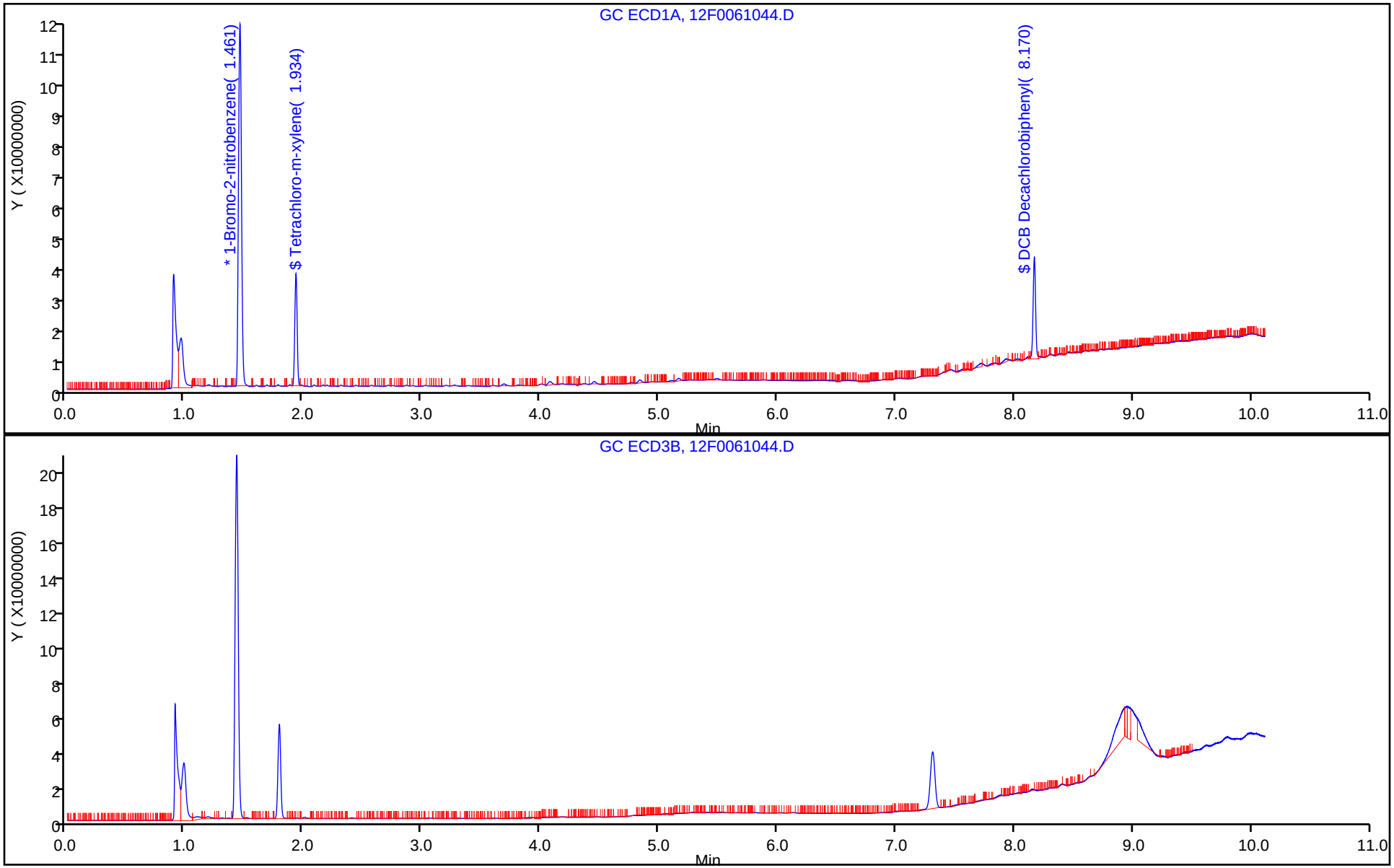
Reagents:
SGPIBLK_00036 Amount Added: 1.00 Units: mL
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:44:56 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D

Injection Date:	14-May-2024 02:16:21	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	PIBLK			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:44:56 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 14-May-2024 02:16:21 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: PIBLK
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:44:07 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 02:39:38

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	20.0	23.8	118.89
$ 24 DCB Decachlorobiphenyl	20.0	20.5	102.42

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	20.0	22.6	112.83
$ 24 DCB Decachlorobiphenyl	20.0	20.8	104.09

User Disabled Compound Report

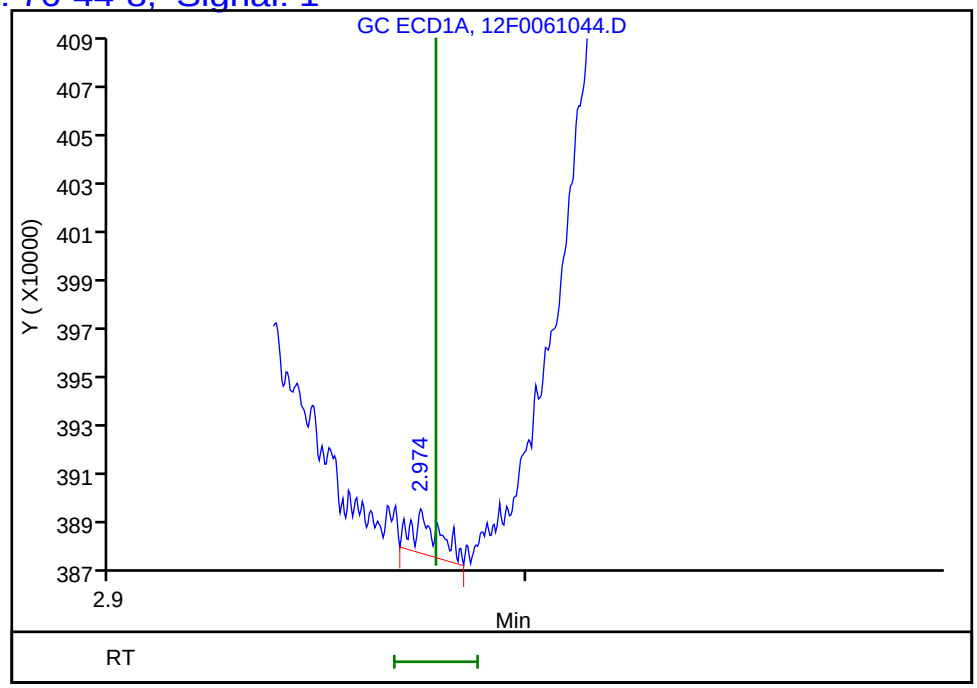
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D
Injection Date: 14-May-2024 02:16:21 Instrument ID: CPESTGC12
Lims ID: PIBLK
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

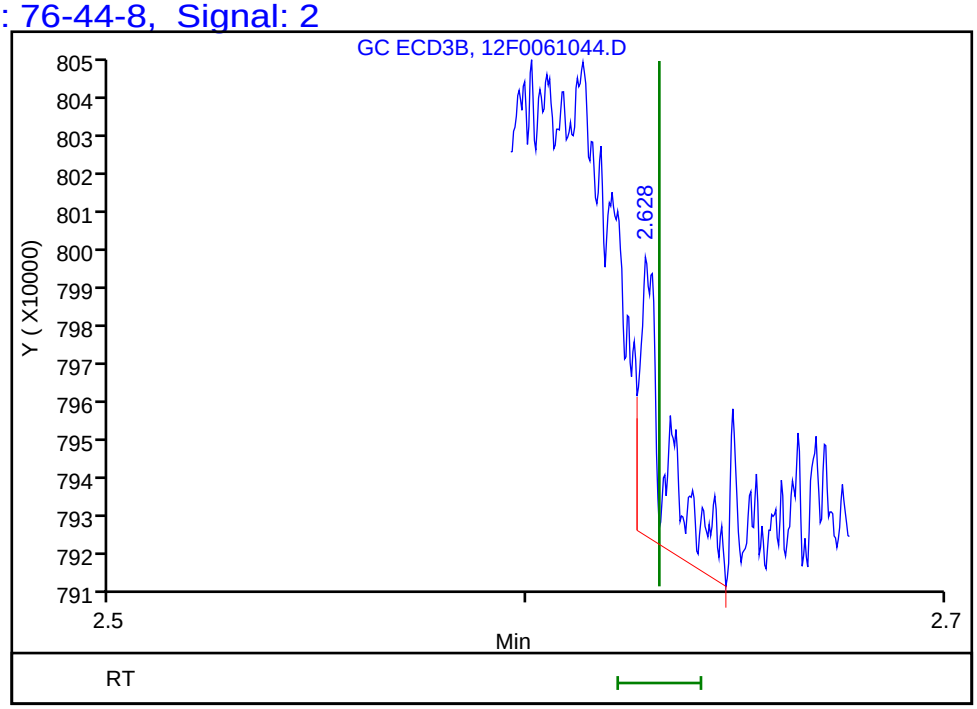
RT: 2.97
Response: 7683
Amount: 0.002817



Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.63
Response: 27502
Amount: 0.005531



Reviewer: ESS0, 14-May-2024 02:39:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

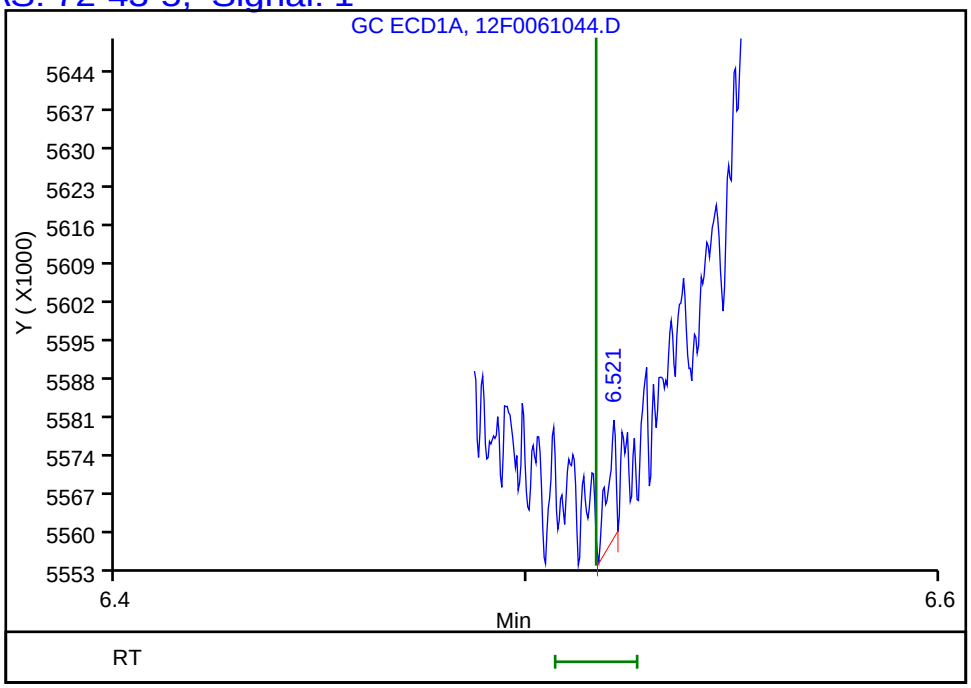
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061044.D
Injection Date: 14-May-2024 02:16:21 Instrument ID: CPESTGC12
Lims ID: PIBLK
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

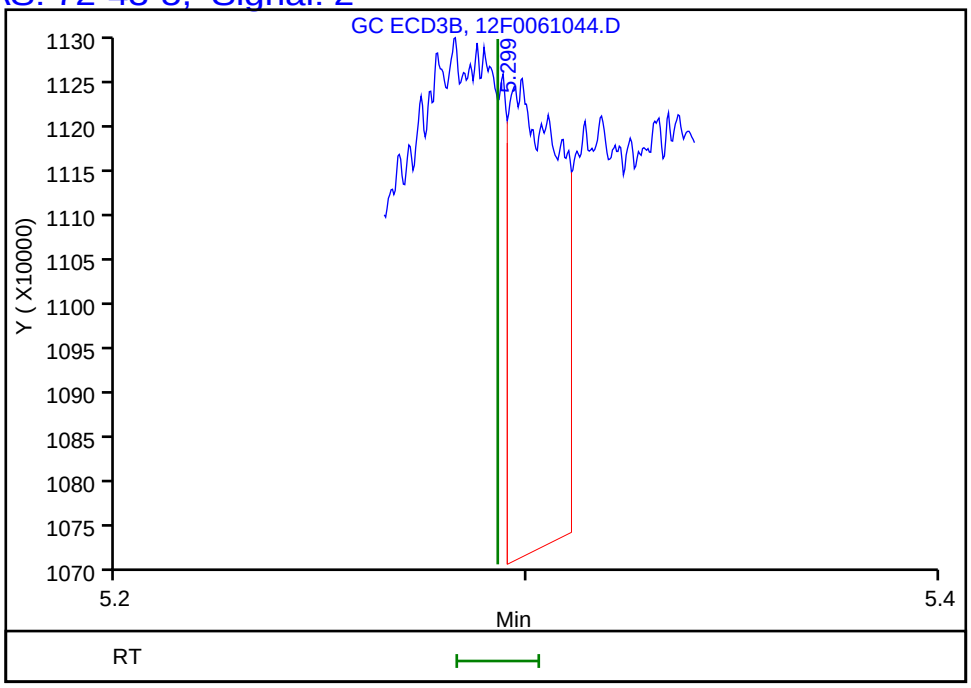
RT: 6.52
Response: 3121
Amount: 0.002564



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.30
Response: 440328
Amount: 0.210600



Reviewer: ESS0, 14-May-2024 02:39:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-974528/2-A

Matrix: Solid | Lab File ID: 12F0061049.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 03:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-20-8	*Endrin*	*0.764*		*0.50*	*0.0040*
58-89-9	*gamma-BHC (Lindane)*	*0.819*		*0.50*	*0.012*
76-44-8	*Heptachlor*	*0.824*		*0.50*	*0.0030*
1024-57-3	*Heptachlor epoxide*	*0.832*		*0.50*	*0.0050*
72-43-5	*Methoxychlor*	*0.762*		*0.50*	*0.0040*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		10-131
877-09-8	Tetrachloro-m-xylene	80		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D
Lims ID: LCS 460-974528/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-May-2024 03:17:55 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-006
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:45:21 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:25:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.459	1.457	0.002	216816354	100.0	100.0	
2	1.436	1.435	0.001	407781610	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.931	1.930	0.001	180508821	100.0	80.1	
2	1.798	1.797	0.001	377512741	100.0	91.8	
						RPD = 13.54	
15 alpha-BHC							
1	2.322	2.321	0.001	639489420	200.0	197.0	
2	2.105	2.103	0.002	1206661529	200.0	163.5	
						RPD = 18.61	
2 gamma-BHC (Lindane)							M
1	2.589	2.589	0.000	598079566	200.0	204.8	M
2	2.297	2.296	0.001	1154513828	200.0	203.3	
						RPD = 0.72	
6 beta-BHC							M
1	2.643	2.642	0.001	254571393	200.0	199.5	M
2	2.345	2.345	0.000	454164548	200.0	197.2	
						RPD = 1.17	
32 delta-BHC							M
1	2.910	2.909	0.001	457212135	200.0	163.6	M
2	2.470	2.469	0.001	836219272	200.0	154.3	
						RPD = 5.81	
18 Heptachlor							M
1	2.979	2.978	0.001	608942899	200.0	206.1	M
2	2.633	2.632	0.001	1041954436	200.0	190.5	
						RPD = 7.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.313	3.311	0.002	646922962	200.0	210.9	
2	2.872	2.871	0.001	1099617944	200.0	200.0	
						RPD = 5.29	
12 Heptachlor epoxide							
1	3.973	3.972	0.001	547806514	200.0	208.1	
2	3.427	3.427	0.000	934764202	200.0	197.9	
						RPD = 5.04	
9 trans-Chlordane							
1	4.182	4.182	0.000	556139563	200.0	207.4	
2	3.564	3.562	0.002	958453830	200.0	193.4	
						RPD = 6.94	
23 cis-Chlordane							M
1	4.357	4.357	0.000	534705774	200.0	207.8	M
2	3.712	3.711	0.001	924793291	200.0	194.1	M
						RPD = 6.81	
7 Endosulfan I							M
1	4.428	4.429	-0.001	501818552	200.0	207.6	M
2	3.860	3.860	0.000	873652761	200.0	197.9	M
						RPD = 4.74	
25 4,4'-DDE							M
1	4.582	4.582	0.000	578598332	200.0	209.5	
2	3.802	3.801	0.001	1010156398	200.0	200.2	M
						RPD = 4.52	
30 Dieldrin							
1	4.768	4.768	0.000	582647825	200.0	204.3	
2	4.111	4.110	0.001	991056815	200.0	196.5	
						RPD = 3.89	
20 Endrin							M
1	5.090	5.090	0.000	509166084	200.0	191.1	
2	4.363	4.363	0.000	851476068	200.0	183.2	M
						RPD = 4.24	
16 4,4'-DDD							M
1	5.216	5.217	-0.001	480305708	200.0	202.9	M
2	4.462	4.461	0.001	790716580	200.0	194.4	M
						RPD = 4.29	
11 Endosulfan II							M
1	5.296	5.296	0.000	494554545	200.0	209.9	M
2	4.631	4.629	0.002	806341216	200.0	204.1	
						RPD = 2.77	
21 4,4'-DDT							
1	5.529	5.529	0.000	449208379	200.0	190.8	
2	4.794	4.792	0.002	730692767	200.0	173.7	
						RPD = 9.35	
5 Endrin aldehyde							M
1	5.641	5.641	0.000	391292811	200.0	222.2	M
2	5.065	5.065	0.000	688842324	200.0	206.9	
						RPD = 7.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	5.969	5.968	0.001	414930439	200.0	189.4	
2	5.467	5.467	0.000	734081988	200.0	184.7	
						RPD = 2.55	
10 Methoxychlor							M
1	6.517	6.517	0.000	251160481	200.0	190.5	
2	5.293	5.293	0.000	396352468	200.0	172.3	M
						RPD = 10.00	
34 Mirex							M
1	6.665	6.666	-0.001	389464506	200.0	199.4	M
2	5.364	5.365	-0.001	653743494	200.0	188.6	M
						RPD = 5.56	
13 Endrin ketone							M
1	6.770	6.771	-0.001	481439015	200.0	214.0	M
2	5.741	5.740	0.001	860606380	200.0	211.1	
						RPD = 1.35	
$ 24 DCB Decachlorobiphenyl							
1	8.158	8.157	0.001	192961637	100.0	80.2	
2	7.315	7.314	0.001	363199859	100.0	79.7	
						RPD = 0.67	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

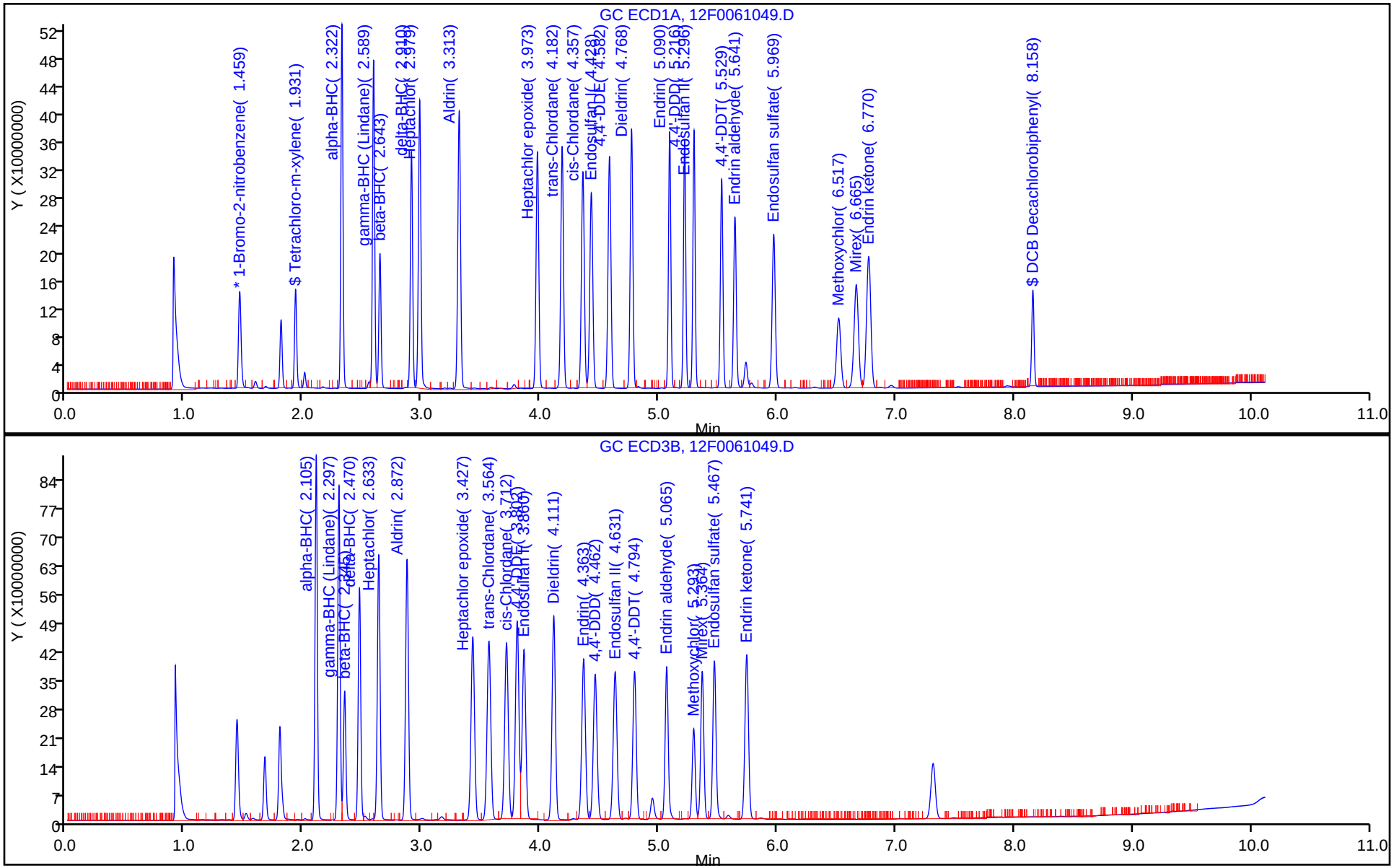
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:45:28 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D

Injection Date:	14-May-2024 03:17:55	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	LCS 460-974528/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:45:28 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D				
Lims ID:	LCS 460-974528/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	14-May-2024 03:17:55	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-006				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 04:45:21	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1613				
First Level Reviewer:	ESS0	Date:	14-May-2024 04:25:28		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	80.1	80.13
$ 24 DCB Decachlorobiphenyl	100.0	80.2	80.21

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	91.8	91.77
$ 24 DCB Decachlorobiphenyl	100.0	79.7	79.68

Manual Integration/User Assign Peak Report

Eurofins Edison

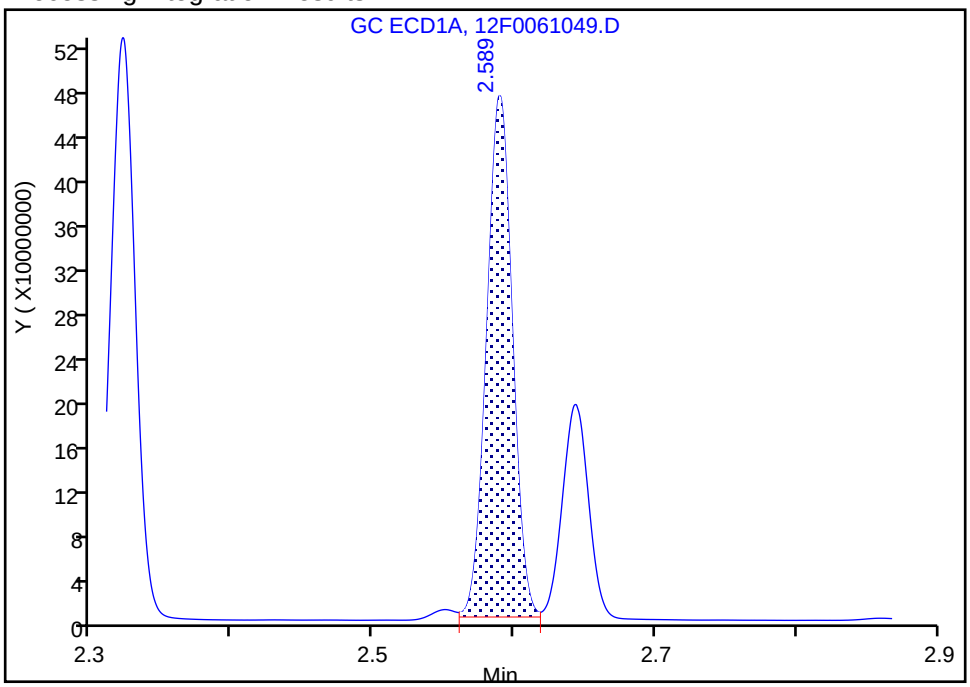
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D
Injection Date: 14-May-2024 03:17:55 Instrument ID: CPESTGC12
Lims ID: LCS 460-974528/2-A
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

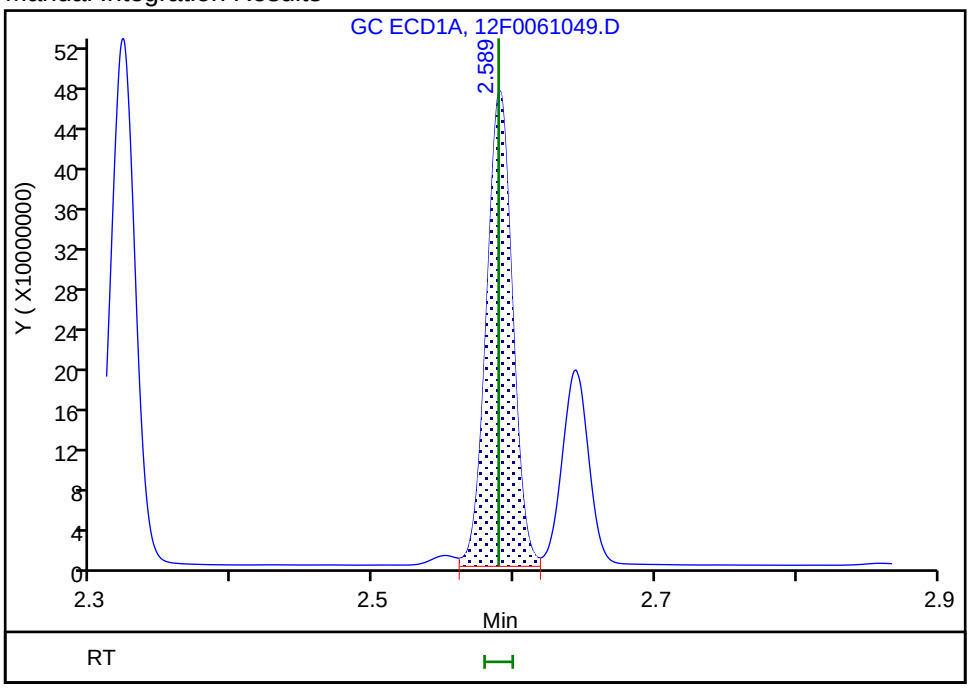
Processing Integration Results

RT: 2.59
Area: 589045292
Amount: 201.6852
Amount Units: ug/l



Manual Integration Results

RT: 2.59
Area: 598079566
Amount: 204.7785
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 04:24:29 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

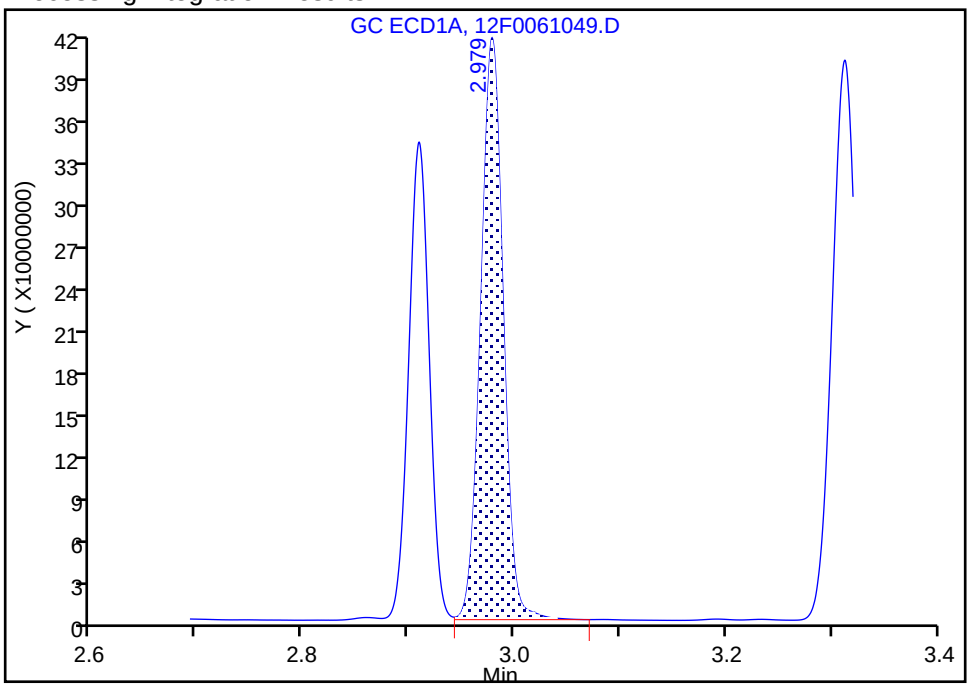
Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D				
Injection Date:	14-May-2024 03:17:55	Instrument ID:	CPESTGC12		
Lims ID:	LCS 460-974528/2-A				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

18 Heptachlor, CAS: 76-44-8

Signal: 1

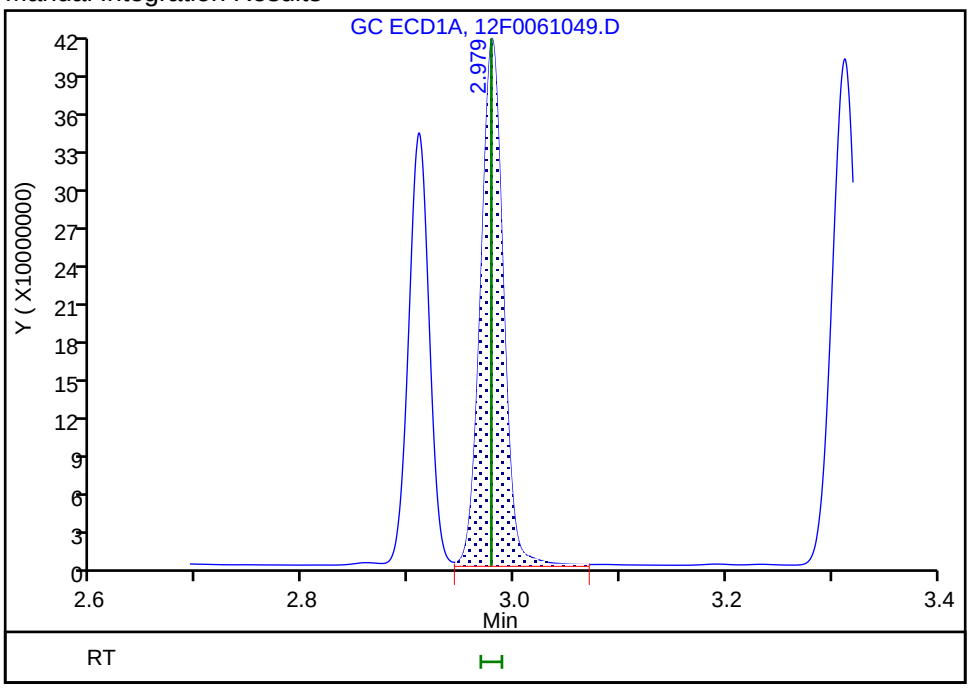
Processing Integration Results

RT: 2.98
Area: 602114763
Amount: 203.7730
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 608942899
Amount: 206.0838
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 04:24:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-974528/2-A

Matrix: Solid | Lab File ID: 12F0061049.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 03:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-20-8	Endrin	0.733		0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.813		0.50	0.012
76-44-8	Heptachlor	0.762		0.50	0.0030
1024-57-3	Heptachlor epoxide	0.792		0.50	0.0050
72-43-5	Methoxychlor	0.689		0.50	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		10-131
877-09-8	Tetrachloro-m-xylene	92		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D
Lims ID: LCS 460-974528/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-May-2024 03:17:55 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-006
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 04:45:21 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:25:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.459	1.457	0.002	216816354	100.0	100.0	
2	1.436	1.435	0.001	407781610	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.931	1.930	0.001	180508821	100.0	80.1	
2	1.798	1.797	0.001	377512741	100.0	91.8	
						RPD = 13.54	
15 alpha-BHC							
1	2.322	2.321	0.001	639489420	200.0	197.0	
2	2.105	2.103	0.002	1206661529	200.0	163.5	
						RPD = 18.61	
2 gamma-BHC (Lindane)							M
1	2.589	2.589	0.000	598079566	200.0	204.8	M
2	2.297	2.296	0.001	1154513828	200.0	203.3	
						RPD = 0.72	
6 beta-BHC							M
1	2.643	2.642	0.001	254571393	200.0	199.5	M
2	2.345	2.345	0.000	454164548	200.0	197.2	
						RPD = 1.17	
32 delta-BHC							M
1	2.910	2.909	0.001	457212135	200.0	163.6	M
2	2.470	2.469	0.001	836219272	200.0	154.3	
						RPD = 5.81	
18 Heptachlor							M
1	2.979	2.978	0.001	608942899	200.0	206.1	M
2	2.633	2.632	0.001	1041954436	200.0	190.5	
						RPD = 7.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.313	3.311	0.002	646922962	200.0	210.9	
2	2.872	2.871	0.001	1099617944	200.0	200.0	
						RPD = 5.29	
12 Heptachlor epoxide							
1	3.973	3.972	0.001	547806514	200.0	208.1	
2	3.427	3.427	0.000	934764202	200.0	197.9	
						RPD = 5.04	
9 trans-Chlordane							
1	4.182	4.182	0.000	556139563	200.0	207.4	
2	3.564	3.562	0.002	958453830	200.0	193.4	
						RPD = 6.94	
23 cis-Chlordane							M
1	4.357	4.357	0.000	534705774	200.0	207.8	M
2	3.712	3.711	0.001	924793291	200.0	194.1	M
						RPD = 6.81	
7 Endosulfan I							M
1	4.428	4.429	-0.001	501818552	200.0	207.6	M
2	3.860	3.860	0.000	873652761	200.0	197.9	M
						RPD = 4.74	
25 4,4'-DDE							M
1	4.582	4.582	0.000	578598332	200.0	209.5	
2	3.802	3.801	0.001	1010156398	200.0	200.2	M
						RPD = 4.52	
30 Dieldrin							
1	4.768	4.768	0.000	582647825	200.0	204.3	
2	4.111	4.110	0.001	991056815	200.0	196.5	
						RPD = 3.89	
20 Endrin							M
1	5.090	5.090	0.000	509166084	200.0	191.1	
2	4.363	4.363	0.000	851476068	200.0	183.2	M
						RPD = 4.24	
16 4,4'-DDD							M
1	5.216	5.217	-0.001	480305708	200.0	202.9	M
2	4.462	4.461	0.001	790716580	200.0	194.4	M
						RPD = 4.29	
11 Endosulfan II							M
1	5.296	5.296	0.000	494554545	200.0	209.9	M
2	4.631	4.629	0.002	806341216	200.0	204.1	
						RPD = 2.77	
21 4,4'-DDT							
1	5.529	5.529	0.000	449208379	200.0	190.8	
2	4.794	4.792	0.002	730692767	200.0	173.7	
						RPD = 9.35	
5 Endrin aldehyde							M
1	5.641	5.641	0.000	391292811	200.0	222.2	M
2	5.065	5.065	0.000	688842324	200.0	206.9	
						RPD = 7.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	5.969	5.968	0.001	414930439	200.0	189.4	
2	5.467	5.467	0.000	734081988	200.0	184.7	
						RPD = 2.55	
10 Methoxychlor							M
1	6.517	6.517	0.000	251160481	200.0	190.5	
2	5.293	5.293	0.000	396352468	200.0	172.3	M
						RPD = 10.00	
34 Mirex							M
1	6.665	6.666	-0.001	389464506	200.0	199.4	M
2	5.364	5.365	-0.001	653743494	200.0	188.6	M
						RPD = 5.56	
13 Endrin ketone							M
1	6.770	6.771	-0.001	481439015	200.0	214.0	M
2	5.741	5.740	0.001	860606380	200.0	211.1	
						RPD = 1.35	
$ 24 DCB Decachlorobiphenyl							
1	8.158	8.157	0.001	192961637	100.0	80.2	
2	7.315	7.314	0.001	363199859	100.0	79.7	
						RPD = 0.67	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

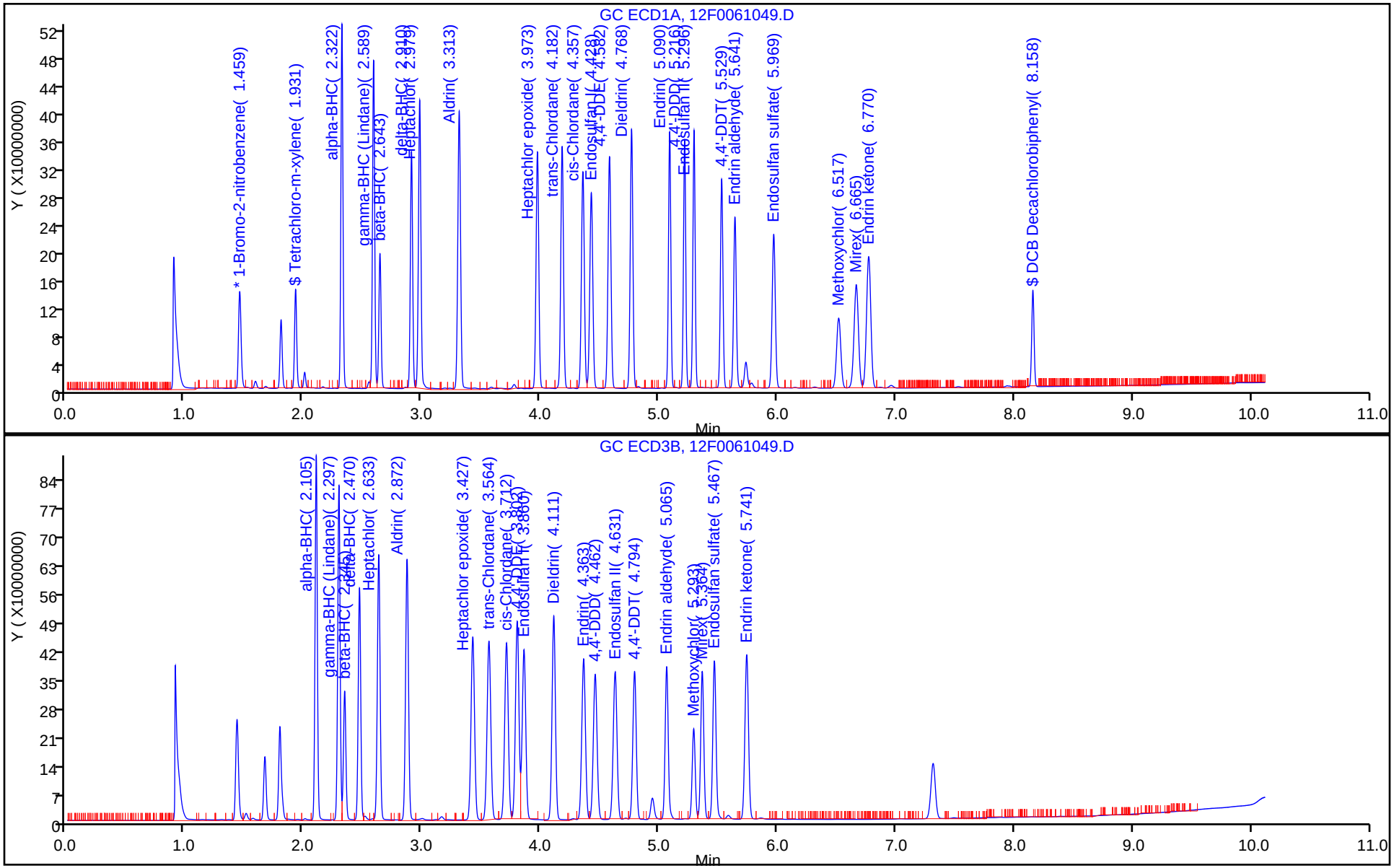
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:45:29 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D

Injection Date:	14-May-2024 03:17:55	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	LCS 460-974528/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:45:29 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D				
Lims ID:	LCS 460-974528/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	14-May-2024 03:17:55	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-006				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 04:45:21	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1613				
First Level Reviewer:	ESS0	Date:	14-May-2024 04:25:28		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	80.1	80.13
$ 24 DCB Decachlorobiphenyl	100.0	80.2	80.21

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	91.8	91.77
$ 24 DCB Decachlorobiphenyl	100.0	79.7	79.68

Manual Integration/User Assign Peak Report

Eurofins Edison

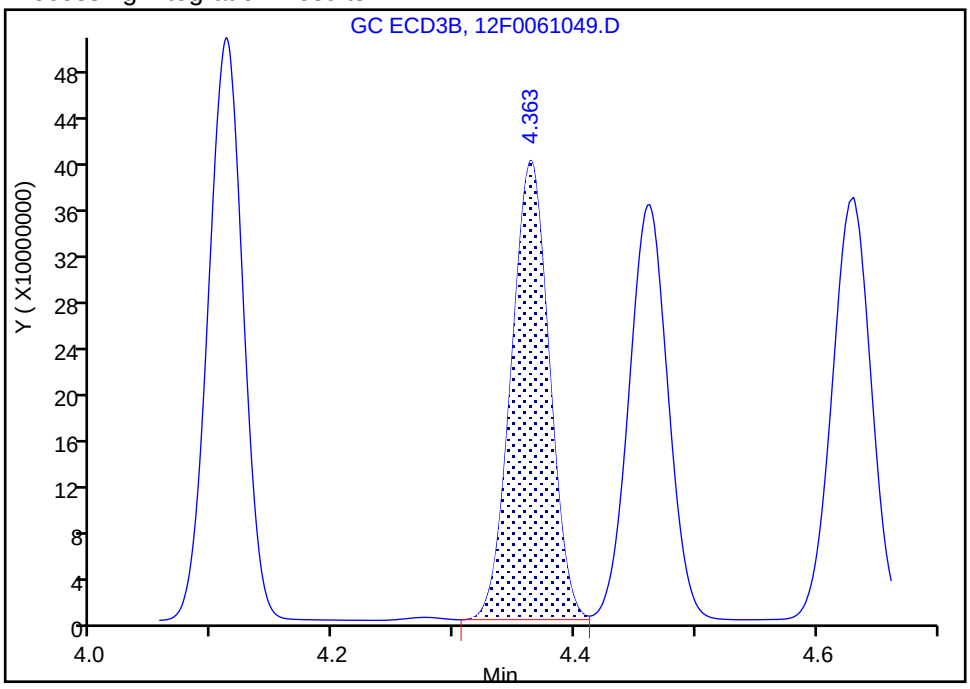
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Injection Date: 14-May-2024 03:17:55 Instrument ID: CPESTGC12
Lims ID: LCS 460-974528/2-A
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8

Signal: 2

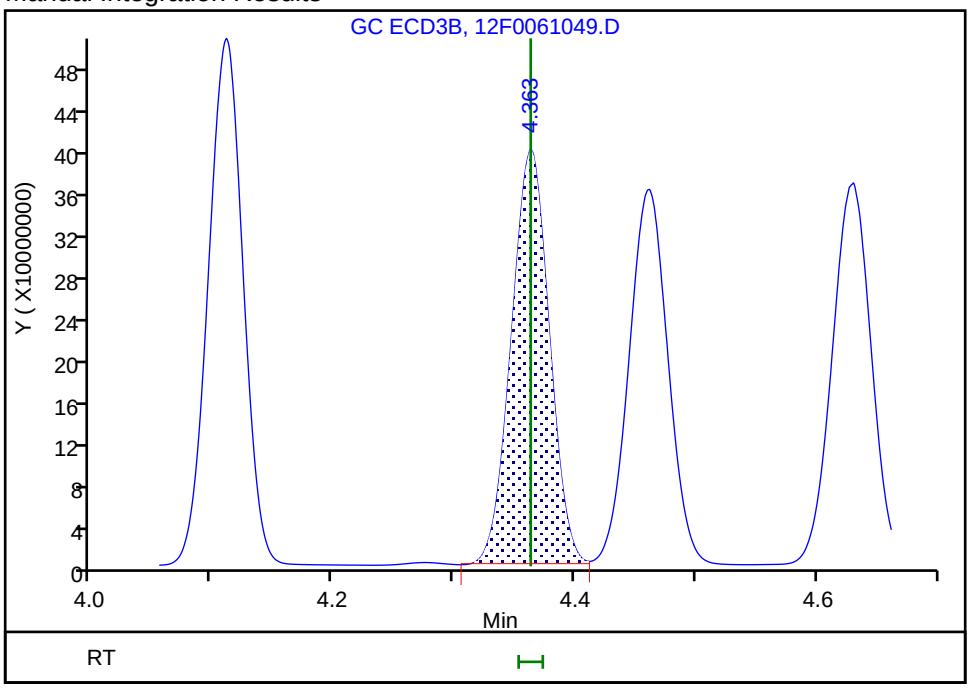
Processing Integration Results

RT: 4.36
Area: 848965845
Amount: 182.6229
Amount Units: ug/l



Manual Integration Results

RT: 4.36
Area: 851476068
Amount: 183.1629
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 04:25:03 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

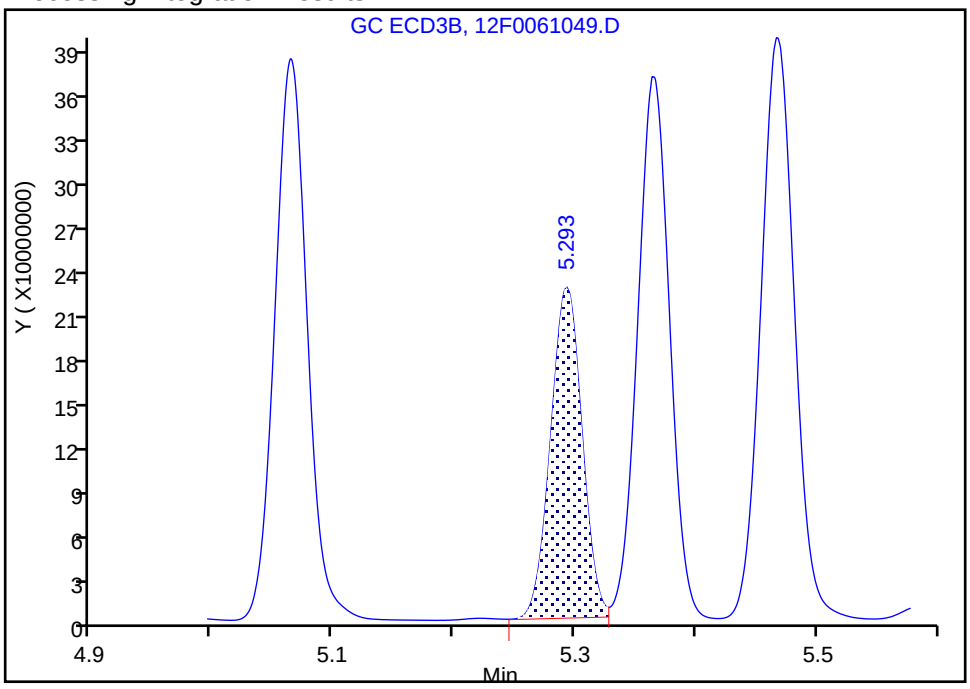
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061049.D
Injection Date: 14-May-2024 03:17:55 Instrument ID: CPESTGC12
Lims ID: LCS 460-974528/2-A
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5

Signal: 2

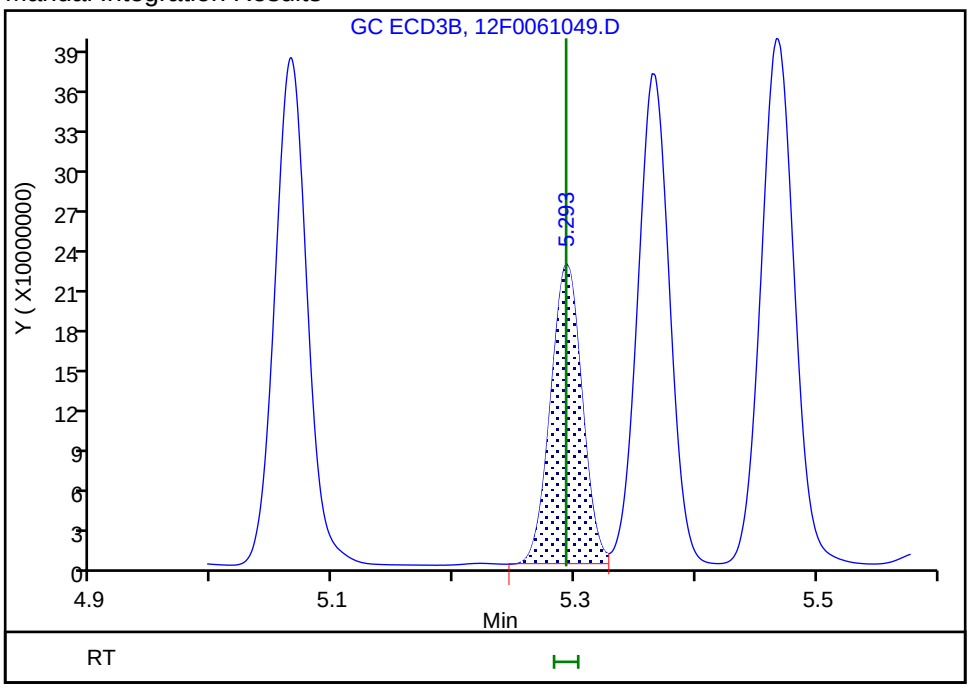
Processing Integration Results

RT: 5.29
Area: 392400345
Amount: 170.6245
Amount Units: ug/l



Manual Integration Results

RT: 5.29
Area: 396352468
Amount: 172.3430
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 04:25:05 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-974528/3-A

Matrix: Solid | Lab File ID: 12F0061052.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 03:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-20-8	*Endrin*	*0.829*		*0.50*	*0.0040*
58-89-9	*gamma-BHC (Lindane)*	*0.909*		*0.50*	*0.012*
76-44-8	*Heptachlor*	*0.892*		*0.50*	*0.0030*
1024-57-3	*Heptachlor epoxide*	*0.903*		*0.50*	*0.0050*
72-43-5	*Methoxychlor*	*0.809*		*0.50*	*0.0040*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		10-131
877-09-8	Tetrachloro-m-xylene	89		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D
Lims ID: LCSD 460-974528/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 14-May-2024 03:54:42 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-009
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:23:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.458	1.457	0.001	192027760	100.0	100.0	
2	1.435	1.435	0.000	367378692	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.930	1.930	0.000	176750618	100.0	88.6	
2	1.798	1.797	0.001	367433516	100.0	99.1	
						RPD = 11.24	
15 alpha-BHC							
1	2.321	2.321	0.000	626108715	200.0	217.8	
2	2.105	2.103	0.002	1172266387	200.0	174.5	
						RPD = 22.07	
2 gamma-BHC (Lindane)							M
1	2.589	2.589	0.000	588081515	200.0	227.3	M
2	2.296	2.296	0.000	1130285793	200.0	220.9	
						RPD = 2.87	
6 beta-BHC							M
1	2.642	2.642	0.000	245422743	200.0	217.2	M
2	2.345	2.345	0.000	443678681	200.0	213.8	
						RPD = 1.56	
32 delta-BHC							M
1	2.908	2.909	-0.001	444486948	200.0	179.5	M
2	2.470	2.469	0.001	827056866	200.0	169.4	
						RPD = 5.79	
18 Heptachlor							M
1	2.978	2.978	0.000	583831225	200.0	223.1	M
2	2.633	2.632	0.001	1013901440	200.0	205.8	
						RPD = 8.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.311	3.311	0.000	616891285	200.0	227.1	
2	2.871	2.871	0.000	1074351204	200.0	216.9	
						RPD = 4.57	
12 Heptachlor epoxide							
1	3.973	3.972	0.001	526064582	200.0	225.7	
2	3.427	3.427	0.000	912560722	200.0	214.4	
						RPD = 5.11	
9 trans-Chlordane							
1	4.180	4.182	-0.002	535719495	200.0	225.5	
2	3.564	3.562	0.002	931946497	200.0	208.8	
						RPD = 7.71	
23 cis-Chlordane							M
1	4.356	4.357	-0.001	517046202	200.0	226.8	M
2	3.712	3.711	0.001	902744041	200.0	210.3	M
						RPD = 7.57	
7 Endosulfan I							M
1	4.427	4.429	-0.002	483714411	200.0	225.9	M
2	3.860	3.860	0.000	840523080	200.0	211.4	M
						RPD = 6.64	
25 4,4'-DDE							M
1	4.581	4.582	-0.001	557430362	200.0	227.9	
2	3.801	3.801	0.000	975714774	200.0	214.7	M
						RPD = 5.96	
30 Dieldrin							
1	4.767	4.768	-0.001	557595333	200.0	220.8	
2	4.111	4.110	0.001	957406306	200.0	210.7	
						RPD = 4.66	
20 Endrin							M
1	5.090	5.090	0.000	489324636	200.0	207.4	
2	4.364	4.363	0.001	825646949	200.0	197.1	M
						RPD = 5.05	
16 4,4'-DDD							M
1	5.216	5.217	-0.001	460529210	200.0	219.7	
2	4.461	4.461	0.000	766370410	200.0	209.1	M
						RPD = 4.92	
11 Endosulfan II							
1	5.295	5.296	-0.001	470261832	200.0	225.3	
2	4.629	4.629	0.000	780565301	200.0	219.3	
						RPD = 2.69	
21 4,4'-DDT							
1	5.529	5.529	0.000	425883851	200.0	204.2	
2	4.793	4.792	0.001	701642455	200.0	185.2	
						RPD = 9.78	
5 Endrin aldehyde							
1	5.641	5.641	0.000	370797481	200.0	237.8	
2	5.064	5.065	-0.001	664162311	200.0	221.5	
						RPD = 7.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	5.968	5.968	0.000	391378387	200.0	201.7	
2	5.468	5.467	0.001	707047243	200.0	197.4	
						RPD = 2.17	
10 Methoxychlor							M
1	6.516	6.517	-0.001	236250070	200.0	202.3	
2	5.293	5.293	0.000	378230459	200.0	182.6	M
						RPD = 10.27	
34 Mirex							M
1	6.665	6.666	-0.001	375326846	200.0	216.9	M
2	5.365	5.365	0.000	641643187	200.0	205.4	M
						RPD = 5.44	
13 Endrin ketone							M
1	6.769	6.771	-0.002	446785430	200.0	224.2	M
2	5.740	5.740	0.000	810584812	200.0	220.7	
						RPD = 1.58	
$ 24 DCB Decachlorobiphenyl							
1	8.157	8.157	0.000	184223892	100.0	86.5	
2	7.315	7.314	0.001	338674167	100.0	82.5	
						RPD = 4.73	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

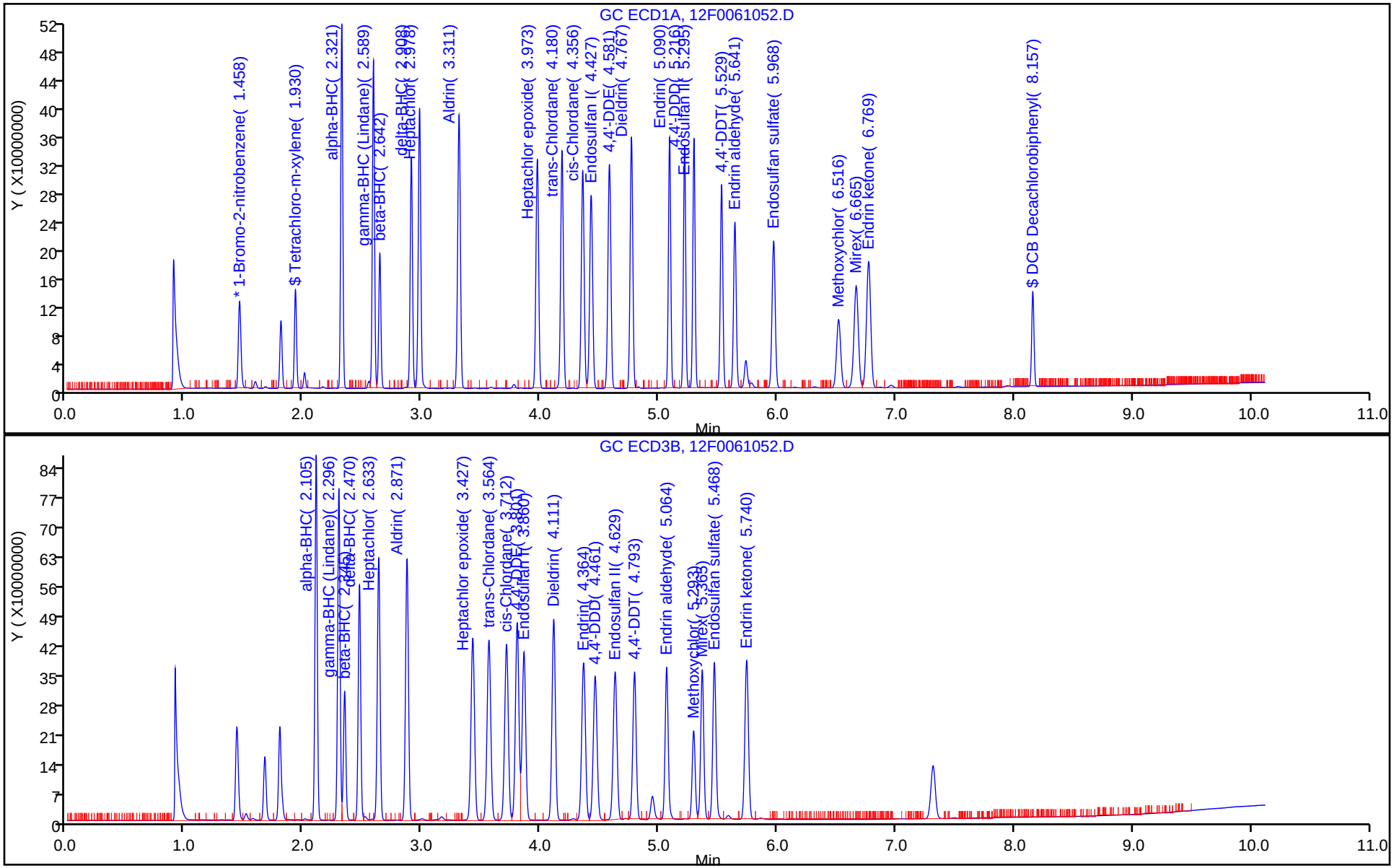
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:54:47 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D

Injection Date:	14-May-2024 03:54:42	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	LCSD 460-974528/3-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:54:47 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D
Lims ID: LCSD 460-974528/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 14-May-2024 03:54:42 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-009
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:23:40

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	88.6	88.59
$ 24 DCB Decachlorobiphenyl	100.0	86.5	86.46

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	99.1	99.14
$ 24 DCB Decachlorobiphenyl	100.0	82.5	82.47

Manual Integration/User Assign Peak Report

Eurofins Edison

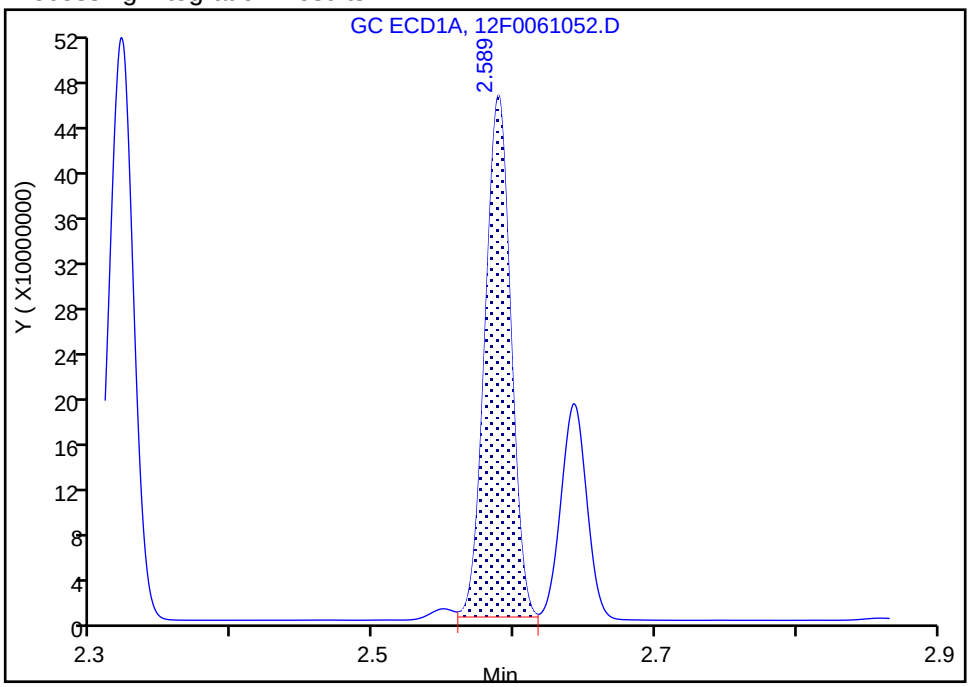
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D
Injection Date: 14-May-2024 03:54:42 Instrument ID: CPESTGC12
Lims ID: LCSD 460-974528/3-A
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

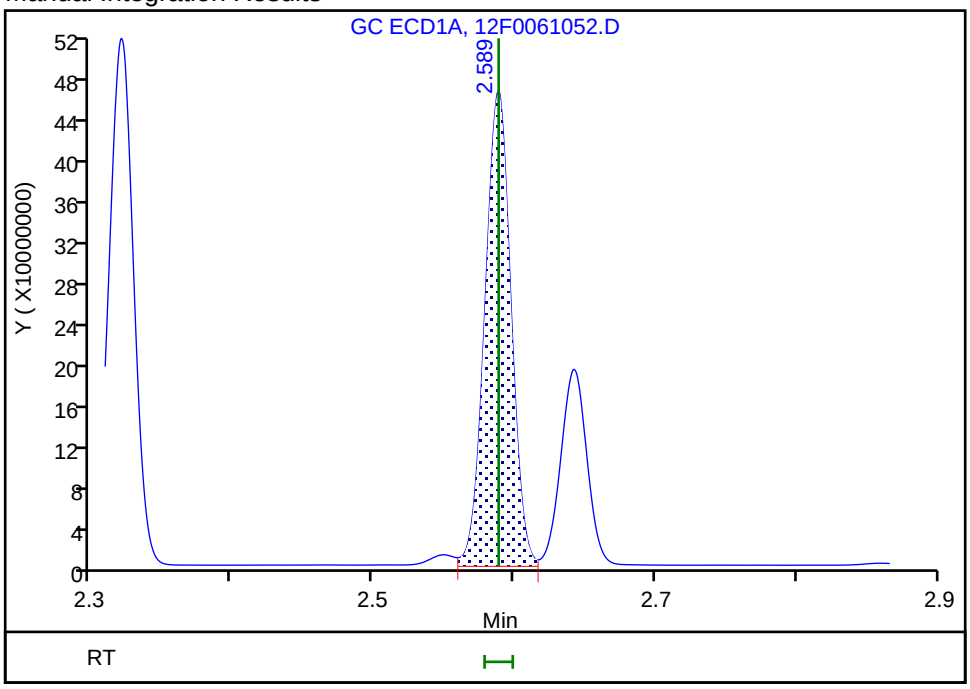
Processing Integration Results

RT: 2.59
Area: 579964735
Amount: 224.2100
Amount Units: ug/l



Manual Integration Results

RT: 2.59
Area: 588081515
Amount: 227.3479
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 04:23:07 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

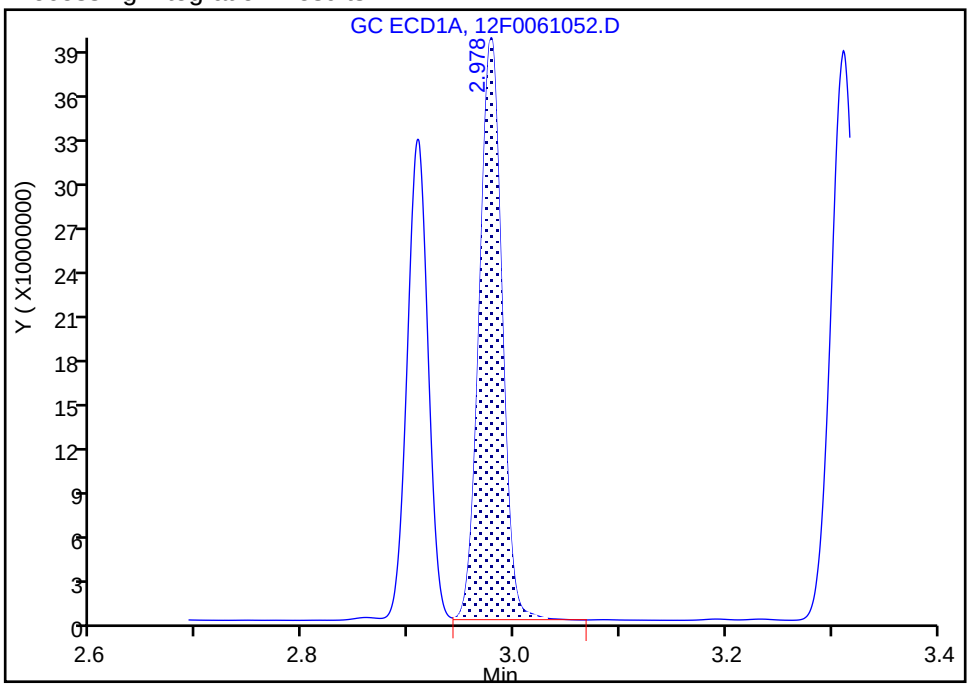
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D
Injection Date: 14-May-2024 03:54:42 Instrument ID: CPESTGC12
Lims ID: LCSD 460-974528/3-A
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8

Signal: 1

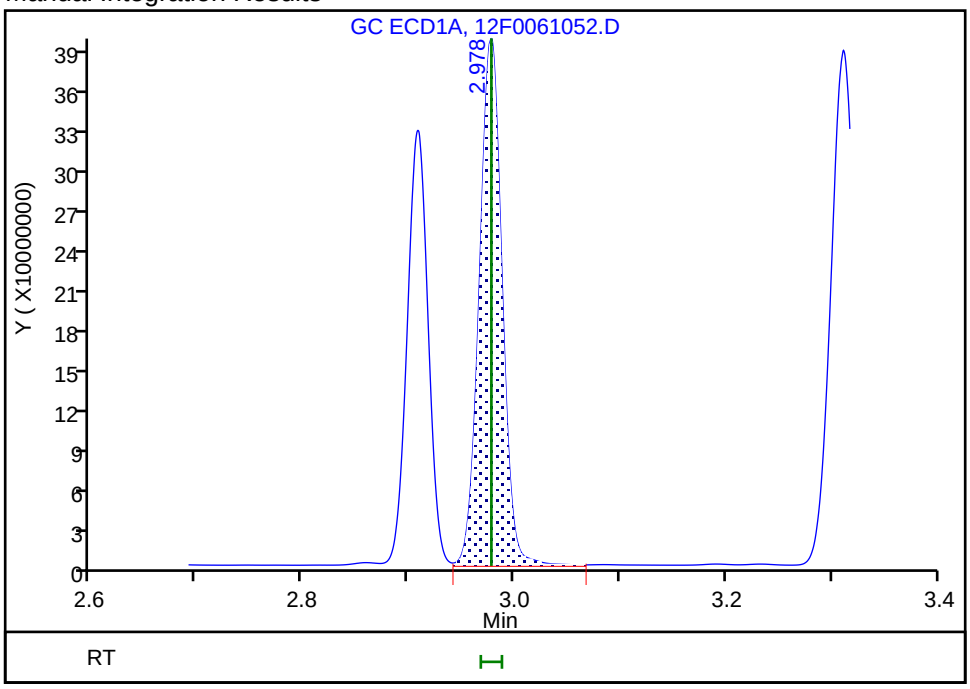
Processing Integration Results

RT: 2.98
Area: 579639401
Amount: 221.4896
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 583831225
Amount: 223.0913
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 04:23:09 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-974528/3-A

Matrix: Solid | Lab File ID: 12F0061052.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2024 10:43

Sample wt/vol: 250(mL) | Date Analyzed: 05/14/2024 03:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974654 | Units: ug/L

Preparation Batch No.: 974528 | Instrument ID: PESTGC12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-20-8	Endrin	0.789		0.50	0.0040
58-89-9	gamma-BHC (Lindane)	0.884		0.50	0.012
76-44-8	Heptachlor	0.823		0.50	0.0030
1024-57-3	Heptachlor epoxide	0.858		0.50	0.0050
72-43-5	Methoxychlor	0.730		0.50	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82		10-131
877-09-8	Tetrachloro-m-xylene	99		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D
Lims ID: LCSD 460-974528/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 14-May-2024 03:54:42 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175831-009
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 14-May-2024 02:54:39 Calib Date: 05-Apr-2024 12:07:38
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: ESS0 Date: 14-May-2024 04:23:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.458	1.457	0.001	192027760	100.0	100.0	
2	1.435	1.435	0.000	367378692	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	1.930	1.930	0.000	176750618	100.0	88.6	
2	1.798	1.797	0.001	367433516	100.0	99.1	
						RPD = 11.24	
15 alpha-BHC							
1	2.321	2.321	0.000	626108715	200.0	217.8	
2	2.105	2.103	0.002	1172266387	200.0	174.5	
						RPD = 22.07	
2 gamma-BHC (Lindane)							M
1	2.589	2.589	0.000	588081515	200.0	227.3	M
2	2.296	2.296	0.000	1130285793	200.0	220.9	
						RPD = 2.87	
6 beta-BHC							M
1	2.642	2.642	0.000	245422743	200.0	217.2	M
2	2.345	2.345	0.000	443678681	200.0	213.8	
						RPD = 1.56	
32 delta-BHC							M
1	2.908	2.909	-0.001	444486948	200.0	179.5	M
2	2.470	2.469	0.001	827056866	200.0	169.4	
						RPD = 5.79	
18 Heptachlor							M
1	2.978	2.978	0.000	583831225	200.0	223.1	M
2	2.633	2.632	0.001	1013901440	200.0	205.8	
						RPD = 8.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.311	3.311	0.000	616891285	200.0	227.1	
2	2.871	2.871	0.000	1074351204	200.0	216.9	
						RPD = 4.57	
12 Heptachlor epoxide							
1	3.973	3.972	0.001	526064582	200.0	225.7	
2	3.427	3.427	0.000	912560722	200.0	214.4	
						RPD = 5.11	
9 trans-Chlordane							
1	4.180	4.182	-0.002	535719495	200.0	225.5	
2	3.564	3.562	0.002	931946497	200.0	208.8	
						RPD = 7.71	
23 cis-Chlordane							M
1	4.356	4.357	-0.001	517046202	200.0	226.8	M
2	3.712	3.711	0.001	902744041	200.0	210.3	M
						RPD = 7.57	
7 Endosulfan I							M
1	4.427	4.429	-0.002	483714411	200.0	225.9	M
2	3.860	3.860	0.000	840523080	200.0	211.4	M
						RPD = 6.64	
25 4,4'-DDE							M
1	4.581	4.582	-0.001	557430362	200.0	227.9	
2	3.801	3.801	0.000	975714774	200.0	214.7	M
						RPD = 5.96	
30 Dieldrin							
1	4.767	4.768	-0.001	557595333	200.0	220.8	
2	4.111	4.110	0.001	957406306	200.0	210.7	
						RPD = 4.66	
20 Endrin							M
1	5.090	5.090	0.000	489324636	200.0	207.4	
2	4.364	4.363	0.001	825646949	200.0	197.1	M
						RPD = 5.05	
16 4,4'-DDD							M
1	5.216	5.217	-0.001	460529210	200.0	219.7	
2	4.461	4.461	0.000	766370410	200.0	209.1	M
						RPD = 4.92	
11 Endosulfan II							
1	5.295	5.296	-0.001	470261832	200.0	225.3	
2	4.629	4.629	0.000	780565301	200.0	219.3	
						RPD = 2.69	
21 4,4'-DDT							
1	5.529	5.529	0.000	425883851	200.0	204.2	
2	4.793	4.792	0.001	701642455	200.0	185.2	
						RPD = 9.78	
5 Endrin aldehyde							
1	5.641	5.641	0.000	370797481	200.0	237.8	
2	5.064	5.065	-0.001	664162311	200.0	221.5	
						RPD = 7.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	5.968	5.968	0.000	391378387	200.0	201.7	
2	5.468	5.467	0.001	707047243	200.0	197.4	
						RPD = 2.17	
10 Methoxychlor							M
1	6.516	6.517	-0.001	236250070	200.0	202.3	
2	5.293	5.293	0.000	378230459	200.0	182.6	M
						RPD = 10.27	
34 Mirex							M
1	6.665	6.666	-0.001	375326846	200.0	216.9	M
2	5.365	5.365	0.000	641643187	200.0	205.4	M
						RPD = 5.44	
13 Endrin ketone							M
1	6.769	6.771	-0.002	446785430	200.0	224.2	M
2	5.740	5.740	0.000	810584812	200.0	220.7	
						RPD = 1.58	
$ 24 DCB Decachlorobiphenyl							
1	8.157	8.157	0.000	184223892	100.0	86.5	
2	7.315	7.314	0.001	338674167	100.0	82.5	
						RPD = 4.73	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

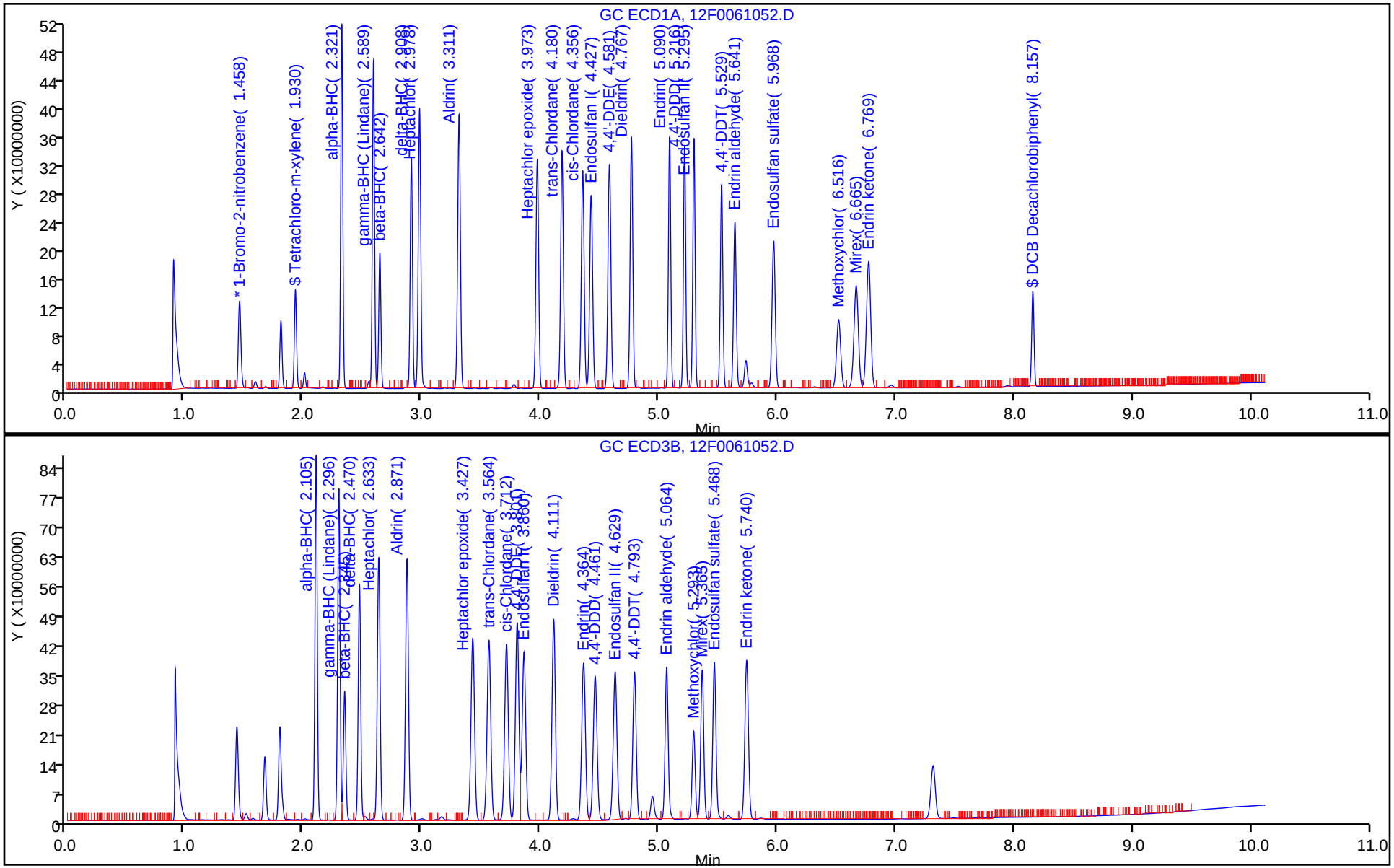
SGPESTISTD_00021 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 14-May-2024 04:54:48 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D

Injection Date:	14-May-2024 03:54:42	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	LCSD 460-974528/3-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Report Date: 14-May-2024 04:54:48 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D				
Lims ID:	LCSD 460-974528/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	14-May-2024 03:54:42	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175831-009				
Operator ID:		Instrument ID:	CPESTGC12		
Method:	\\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\GC8081.m				
Limit Group:	GC 8081B PEST ISTD				
Last Update:	14-May-2024 02:54:39	Calib Date:	05-Apr-2024 12:07:38		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC12\20240405-174271.b\12F0059971.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1613				
First Level Reviewer:	ESS0	Date:	14-May-2024 04:23:40		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	88.6	88.59
$ 24 DCB Decachlorobiphenyl	100.0	86.5	86.46

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	100.0	99.1	99.14
$ 24 DCB Decachlorobiphenyl	100.0	82.5	82.47

Manual Integration/User Assign Peak Report

Eurofins Edison

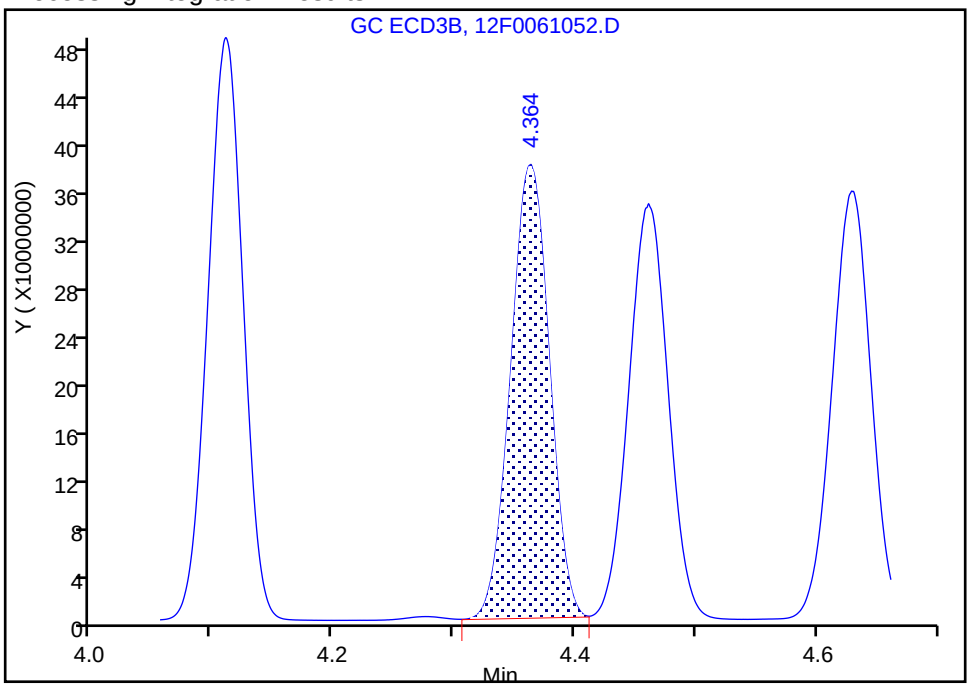
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Injection Date: 14-May-2024 03:54:42 Instrument ID: CPESTGC12
Lims ID: LCSD 460-974528/3-A
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8

Signal: 2

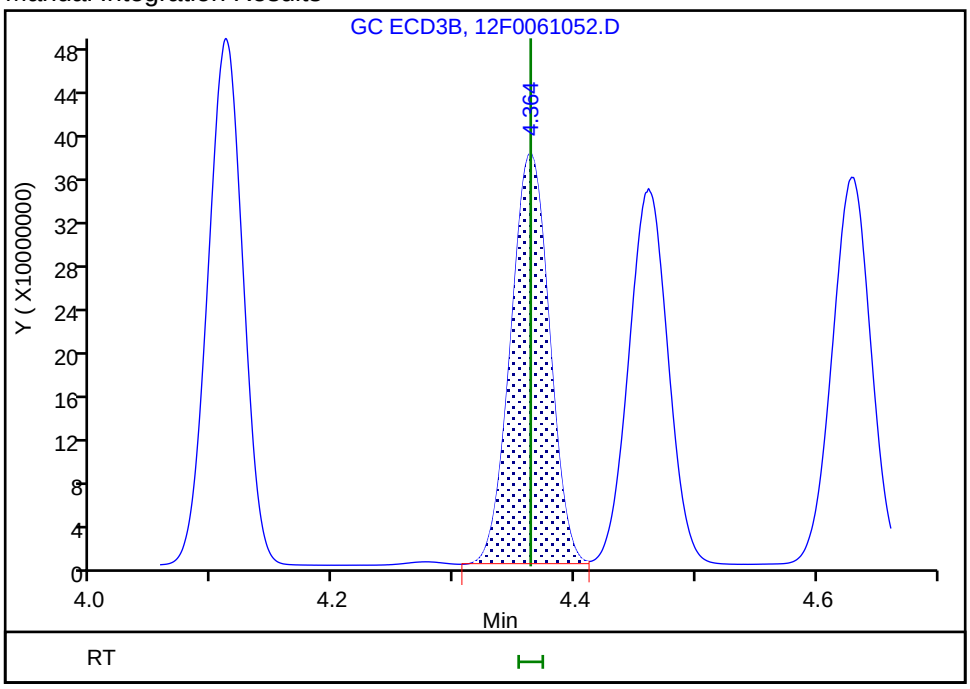
Processing Integration Results

RT: 4.36
Area: 822680186
Amount: 196.4309
Amount Units: ug/l



Manual Integration Results

RT: 4.36
Area: 825646949
Amount: 197.1393
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 04:23:30 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Edison

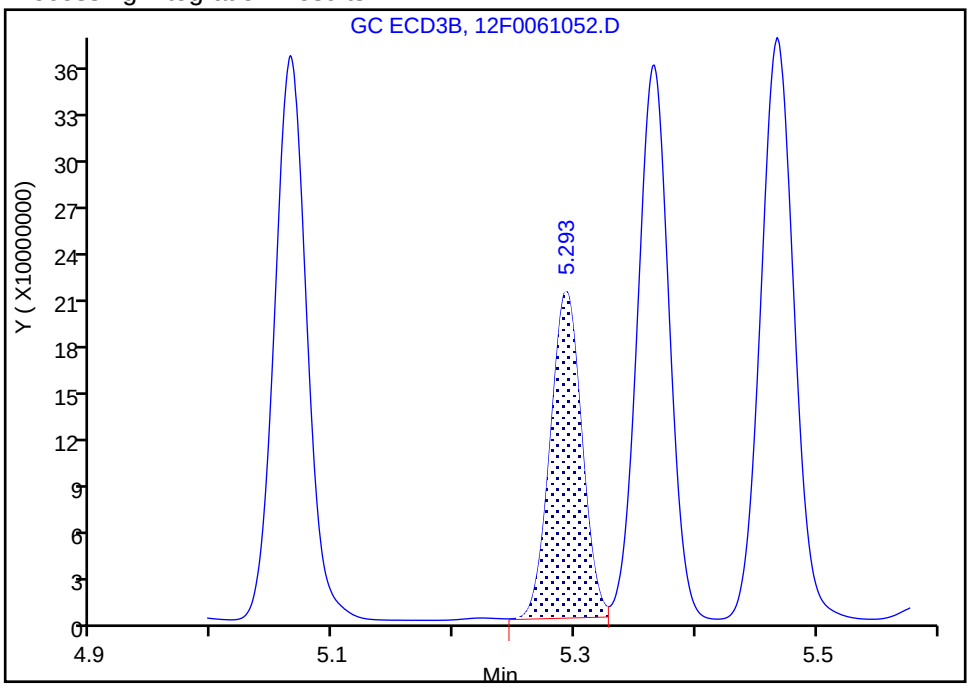
Data File: \\chromfs\Edison\ChromData\CPESTGC12\20240514-175831.b\12F0061052.D
Injection Date: 14-May-2024 03:54:42 Instrument ID: CPESTGC12
Lims ID: LCSD 460-974528/3-A
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC8081 Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5

Signal: 2

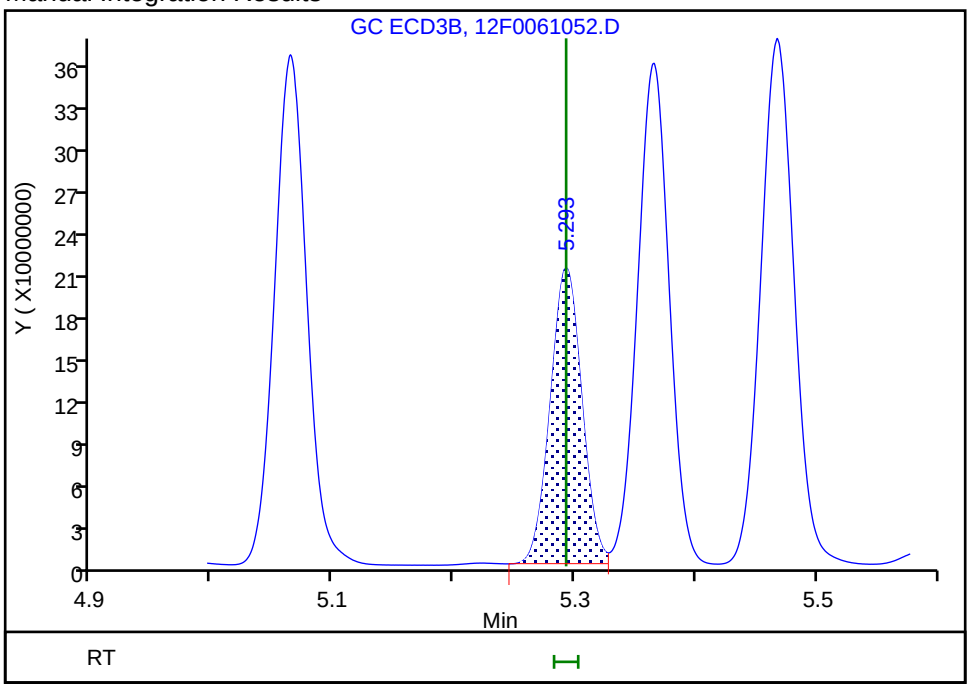
Processing Integration Results

RT: 5.29
Area: 374350662
Amount: 180.6776
Amount Units: ug/l



Manual Integration Results

RT: 5.29
Area: 378230459
Amount: 182.5502
Amount Units: ug/l



Reviewer: ESS0, 14-May-2024 04:23:32 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Start Date: 04/05/2024 08:13

Analysis Batch Number: 967880 End Date: 04/05/2024 12:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-967880/1		04/05/2024 08:13	1		CLP-2 0.53(mm)
PIBLK 460-967880/1		04/05/2024 08:13	1		Rtx-CLP 0.53(mm)
PEM 460-967880/2		04/05/2024 08:26	1		CLP-2 0.53(mm)
PEM 460-967880/2		04/05/2024 08:26	1		Rtx-CLP 0.53(mm)
ICIS 460-967880/3		04/05/2024 08:38	1	12F0059954.D	CLP-2 0.53(mm)
ICIS 460-967880/3		04/05/2024 08:38	1	12F0059954.D	Rtx-CLP 0.53(mm)
IC 460-967880/4		04/05/2024 08:50	1	12F0059955.D	CLP-2 0.53(mm)
IC 460-967880/4		04/05/2024 08:50	1	12F0059955.D	Rtx-CLP 0.53(mm)
IC 460-967880/5		04/05/2024 09:03	1	12F0059956.D	CLP-2 0.53(mm)
IC 460-967880/5		04/05/2024 09:03	1	12F0059956.D	Rtx-CLP 0.53(mm)
IC 460-967880/6		04/05/2024 09:15	1	12F0059957.D	CLP-2 0.53(mm)
IC 460-967880/6		04/05/2024 09:15	1	12F0059957.D	Rtx-CLP 0.53(mm)
IC 460-967880/7		04/05/2024 09:27	1	12F0059958.D	CLP-2 0.53(mm)
IC 460-967880/7		04/05/2024 09:27	1	12F0059958.D	Rtx-CLP 0.53(mm)
IC 460-967880/8 ICIS		04/05/2024 09:40	1	12F0059959.D	CLP-2 0.53(mm)
IC 460-967880/8 ICIS		04/05/2024 09:40	1	12F0059959.D	Rtx-CLP 0.53(mm)
ICV 460-967880/9		04/05/2024 09:52	1	12F0059960.D	CLP-2 0.53(mm)
ICV 460-967880/9		04/05/2024 09:52	1	12F0059960.D	Rtx-CLP 0.53(mm)
IC 460-967880/10		04/05/2024 10:04	1		CLP-2 0.53(mm)
IC 460-967880/10		04/05/2024 10:04	1		Rtx-CLP 0.53(mm)
IC 460-967880/11		04/05/2024 10:17	1		CLP-2 0.53(mm)
IC 460-967880/11		04/05/2024 10:17	1		Rtx-CLP 0.53(mm)
IC 460-967880/12 ICIS		04/05/2024 10:29	1	12F0059963.D	CLP-2 0.53(mm)
IC 460-967880/12 ICIS		04/05/2024 10:29	1	12F0059963.D	Rtx-CLP 0.53(mm)
IC 460-967880/13		04/05/2024 10:41	1		CLP-2 0.53(mm)
IC 460-967880/13		04/05/2024 10:41	1		Rtx-CLP 0.53(mm)
IC 460-967880/14		04/05/2024 10:53	1		CLP-2 0.53(mm)
IC 460-967880/14		04/05/2024 10:53	1		Rtx-CLP 0.53(mm)
ICV 460-967880/15		04/05/2024 11:06	1	12F0059966.D	CLP-2 0.53(mm)
ICV 460-967880/15		04/05/2024 11:06	1	12F0059966.D	Rtx-CLP 0.53(mm)
IC 460-967880/16		04/05/2024 11:18	1	12F0059967.D	CLP-2 0.53(mm)
IC 460-967880/16		04/05/2024 11:18	1	12F0059967.D	Rtx-CLP 0.53(mm)
IC 460-967880/17		04/05/2024 11:30	1	12F0059968.D	CLP-2 0.53(mm)
IC 460-967880/17		04/05/2024 11:30	1	12F0059968.D	Rtx-CLP 0.53(mm)
IC 460-967880/18 ICIS		04/05/2024 11:43	1	12F0059969.D	CLP-2 0.53(mm)
IC 460-967880/18 ICIS		04/05/2024 11:43	1	12F0059969.D	Rtx-CLP 0.53(mm)
IC 460-967880/19		04/05/2024 11:55	1	12F0059970.D	CLP-2 0.53(mm)
IC 460-967880/19		04/05/2024 11:55	1	12F0059970.D	Rtx-CLP 0.53(mm)
IC 460-967880/20		04/05/2024 12:07	1	12F0059971.D	CLP-2 0.53(mm)
IC 460-967880/20		04/05/2024 12:07	1	12F0059971.D	Rtx-CLP 0.53(mm)
ICV 460-967880/21		04/05/2024 12:20	1	12F0059972.D	CLP-2 0.53(mm)
ICV 460-967880/21		04/05/2024 12:20	1	12F0059972.D	Rtx-CLP 0.53(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Start Date: 05/14/2024 02:16

Analysis Batch Number: 974654 End Date: 05/14/2024 06:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-974654/1		05/14/2024 02:16	1	12F0061044.D	CLP-2 0.53(mm)
PIBLK 460-974654/1		05/14/2024 02:16	1	12F0061044.D	Rtx-CLP 0.53(mm)
PEM 460-974654/2		05/14/2024 02:28	1	12F0061045.D	CLP-2 0.53(mm)
PEM 460-974654/2		05/14/2024 02:28	1	12F0061045.D	Rtx-CLP 0.53(mm)
CCVIS 460-974654/3		05/14/2024 02:40	1	12F0061046.D	CLP-2 0.53(mm)
CCVIS 460-974654/3		05/14/2024 02:40	1	12F0061046.D	Rtx-CLP 0.53(mm)
CCV 460-974654/4		05/14/2024 02:53	1	12F0061047.D	CLP-2 0.53(mm)
CCV 460-974654/4		05/14/2024 02:53	1	12F0061047.D	Rtx-CLP 0.53(mm)
CCV 460-974654/5		05/14/2024 03:05	1	12F0061048.D	CLP-2 0.53(mm)
CCV 460-974654/5		05/14/2024 03:05	1	12F0061048.D	Rtx-CLP 0.53(mm)
LCS 460-974528/2-A		05/14/2024 03:17	1	12F0061049.D	CLP-2 0.53(mm)
LCS 460-974528/2-A		05/14/2024 03:17	1	12F0061049.D	Rtx-CLP 0.53(mm)
MB 460-974528/1-A		05/14/2024 03:42	1	12F0061051.D	CLP-2 0.53(mm)
MB 460-974528/1-A		05/14/2024 03:42	1	12F0061051.D	Rtx-CLP 0.53(mm)
LCSD 460-974528/3-A		05/14/2024 03:54	1	12F0061052.D	CLP-2 0.53(mm)
LCSD 460-974528/3-A		05/14/2024 03:54	1	12F0061052.D	Rtx-CLP 0.53(mm)
LB 460-974423/1-C		05/14/2024 04:06	1	12F0061053.D	CLP-2 0.53(mm)
LB 460-974423/1-C		05/14/2024 04:06	1	12F0061053.D	Rtx-CLP 0.53(mm)
ZZZZZ		05/14/2024 04:19	1		CLP-2 0.53(mm)
ZZZZZ		05/14/2024 04:19	1		Rtx-CLP 0.53(mm)
460-303610-1	PL-C-4W-20240508-0.75-3.2	05/14/2024 04:31	1	12F0061055.D	CLP-2 0.53(mm)
460-303610-1	PL-C-4W-20240508-0.75-3.2	05/14/2024 04:31	1	12F0061055.D	Rtx-CLP 0.53(mm)
460-303610-2	PL-C-1W-20240508-0.75-4.1	05/14/2024 04:43	1	12F0061056.D	CLP-2 0.53(mm)
460-303610-2	PL-C-1W-20240508-0.75-4.1	05/14/2024 04:43	1	12F0061056.D	Rtx-CLP 0.53(mm)
460-303610-3	PL-C-5W-20240508-0.75-7.8	05/14/2024 04:56	1	12F0061057.D	CLP-2 0.53(mm)
460-303610-3	PL-C-5W-20240508-0.75-7.8	05/14/2024 04:56	1	12F0061057.D	Rtx-CLP 0.53(mm)
460-303610-4	PL-C-2W-20240508-1.7-7.4	05/14/2024 05:08	1	12F0061058.D	CLP-2 0.53(mm)
460-303610-4	PL-C-2W-20240508-1.7-7.4	05/14/2024 05:08	1	12F0061058.D	Rtx-CLP 0.53(mm)
460-303610-5	PL-C-3W-20240508-0.85-3.2	05/14/2024 05:20	1	12F0061059.D	CLP-2 0.53(mm)
460-303610-5	PL-C-3W-20240508-0.85-3.2	05/14/2024 05:20	1	12F0061059.D	Rtx-CLP 0.53(mm)
ZZZZZ		05/14/2024 05:33	1		CLP-2 0.53(mm)
ZZZZZ		05/14/2024 05:33	1		Rtx-CLP 0.53(mm)
ZZZZZ		05/14/2024 05:45	1		CLP-2 0.53(mm)
ZZZZZ		05/14/2024 05:45	1		Rtx-CLP 0.53(mm)
ZZZZZ		05/14/2024 05:57	1		CLP-2 0.53(mm)
ZZZZZ		05/14/2024 05:57	1		Rtx-CLP 0.53(mm)
ZZZZZ		05/14/2024 06:09	1		CLP-2 0.53(mm)
ZZZZZ		05/14/2024 06:09	1		Rtx-CLP 0.53(mm)
ZZZZZ		05/14/2024 06:22	1		CLP-2 0.53(mm)
ZZZZZ		05/14/2024 06:22	1		Rtx-CLP 0.53(mm)
ZZZZZ		05/14/2024 06:34	1		CLP-2 0.53(mm)

8081B

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC12 Start Date: 05/14/2024 02:16

Analysis Batch Number: 974654 End Date: 05/14/2024 06:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/14/2024 06:34	1		Rtx-CLP 0.53(mm)

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 967880 Batch Start Date: 04/05/24 08:13 Batch Analyst: Manlangit, Ferdie

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SG2,4,5-TP 00023	SGCHLOR ICV 00011	SGCHLORDANEL4 00013	SGPESTISTD 00021	SGPESTL1 00035
ICIS 460-967880/3		8081B			1 mL				20 uL	
IC 460-967880/4		8081B			1 mL				20 uL	1 mL
IC 460-967880/5		8081B			1 mL				20 uL	
IC 460-967880/6		8081B			1 mL				20 uL	
IC 460-967880/7		8081B			1 mL				20 uL	
IC 460-967880/8 ICIS		8081B			1 mL	1 mL			20 uL	
ICV 460-967880/9		8081B			1 mL				20 uL	
IC 460-967880/12 ICIS		8081B			1 mL			1 mL	20 uL	
ICV 460-967880/15		8081B			1 mL		1 mL		20 uL	
IC 460-967880/16		8081B			1 mL				20 uL	
IC 460-967880/17		8081B			1 mL				20 uL	
IC 460-967880/18 ICIS		8081B			1 mL				20 uL	
IC 460-967880/19		8081B			1 mL				20 uL	
IC 460-967880/20		8081B			1 mL				20 uL	
ICV 460-967880/21		8081B			1 mL				20 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SGPESTL2 00046	SGPESTL3 00044	SGPESTL4 00041	SGPESTL5 00042	SGPTICV 00048	SGTOX ICV 00019
ICIS 460-967880/3		8081B				1 mL				
IC 460-967880/4		8081B								
IC 460-967880/5		8081B			1 mL					
IC 460-967880/6		8081B					1 mL			
IC 460-967880/7		8081B						1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 967880 Batch Start Date: 04/05/24 08:13 Batch Analyst: Manlangit, Ferdie

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SGPESTL2 00046	SGPESTL3 00044	SGPESTL4 00041	SGPESTL5 00042	SGPTICV 00048	SGTOX ICV 00019
IC 460-967880/8 ICIS		8081B								
ICV 460-967880/9		8081B							1 mL	
IC 460-967880/12 ICIS		8081B								
ICV 460-967880/15		8081B								
IC 460-967880/16		8081B								
IC 460-967880/17		8081B								
IC 460-967880/18 ICIS		8081B								
IC 460-967880/19		8081B								
IC 460-967880/20		8081B								
ICV 460-967880/21		8081B								1 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SGTOXAPHENEL1 00012	SGTOXAPHENEL3 00011	SGTOXAPHENEL4 00012	SGTOXAPHENEL5 00011	SGTOXAPHENEL6 00011	
ICIS 460-967880/3		8081B								
IC 460-967880/4		8081B								
IC 460-967880/5		8081B								
IC 460-967880/6		8081B								
IC 460-967880/7		8081B								
IC 460-967880/8 ICIS		8081B								
ICV 460-967880/9		8081B								
IC 460-967880/12 ICIS		8081B								
ICV 460-967880/15		8081B								

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 967880 Batch Start Date: 04/05/24 08:13 Batch Analyst: Manlangit, Ferdie

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SGTOXAPHENEL1 00012	SGTOXAPHENEL3 00011	SGTOXAPHENEL4 00012	SGTOXAPHENEL5 00011	SGTOXAPHENEL6 00011	
IC 460-967880/16		8081B			1 mL					
IC 460-967880/17		8081B				1 mL				
IC 460-967880/18 ICIS		8081B					1 mL			
IC 460-967880/19		8081B						1 mL		
IC 460-967880/20		8081B							1 mL	
ICV 460-967880/21		8081B								

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VesselNumber	EFD_InitialpH	SampTemppH1	FiltCompDate
LB 460-974423/1		1311, 3510C, 8081B			100.00 g	2000 mL	12	4.95 SU		05/13/2024
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 3510C, 8081B	Solid	P	100.11 g	2000 mL	1	7.17 SU	1.67 Degrees C	05/13/2024
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 3510C, 8081B	Solid	P	100.06 g	2000 mL	2	8.34 SU	1.66 Degrees C	05/13/2024
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 3510C, 8081B	Solid	P	100.09 g	2000 mL	3	6.61 SU	1.61 Degrees C	05/13/2024
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 3510C, 8081B	Solid	P	100.03 g	2000 mL	4	8.28 SU	1370 Degrees C	05/13/2024
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 3510C, 8081B	Solid	P	100.08 g	2000 mL	5	7.05 SU	1.66 Degrees C	05/13/2024

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
LB 460-974423/1		1311, 3510C, 8081B			08:00	4.97 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 3510C, 8081B	Solid	P	08:55	5.65 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 3510C, 8081B	Solid	P	09:00	5.08 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 3510C, 8081B	Solid	P	09:05	5.00 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 3510C, 8081B	Solid	P	09:10	6.24 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 3510C, 8081B	Solid	P	09:15	5.05 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

Batch Notes	
Tumbler Rotations per Minute	29
Balance ID	13
Balance is Level? (Y/N)	Y
pH Meter ID	K
Room Temperature Thermometer ID	Ambient ID S72864 Temp 24.0c
TCLP Fluid 1 ID	TF1050324 Prep: 05/03/24 Exp: 11/03/24
TCLP Fluid 1 pH	4.92 SU
1N HCl ID	TCLP 3260 Prep: 04/25/24 Exp: 10/25/24
Filter ID	Env Express / 400224-3264 D
Uncorrected Maximum Temperature	25.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	24.1 Degrees C
Minimum Temperature	23.1 Degrees C
Room Temperature during Rotation	24.0 Degrees C

Basis	Basis Description
P	TCLP

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974528 Batch Start Date: 05/13/24 10:43 Batch Analyst: Santos, Omar T

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ReceivedpH	OP_PESTSP_LVI 00032	OPPSPCBSU_LVI 00023	AnalysisComment
MB 460-974528/1		3510C, 8081B			250 mL	1 mL	7 SU		50 uL	
LCS 460-974528/2		3510C, 8081B			250 mL	1 mL	7 SU	50 uL	50 uL	
LCSD 460-974528/3		3510C, 8081B			250 mL	1 mL	7 SU	50 uL	50 uL	
LB 460-974423/1-A		3510C, 8081B			250 mL	1 mL	5 SU		50 uL	TCLP
460-303610-E-1-C	PL-C-4W-20240508-0.75-3.2	3510C, 8081B	Solid	P	250 mL	1 mL	6 SU		50 uL	TCLP
460-303610-E-2-B	PL-C-1W-20240508-0.75-4.1	3510C, 8081B	Solid	P	250 mL	1 mL	5 SU		50 uL	TCLP
460-303610-E-3-B	PL-C-5W-20240508-0.75-7.8	3510C, 8081B	Solid	P	250 mL	1 mL	5 SU		50 uL	TCLP
460-303610-E-4-B	PL-C-2W-20240508-1.7-7.4	3510C, 8081B	Solid	P	250 mL	1 mL	6 SU		50 uL	TCLP
460-303610-E-5-B	PL-C-3W-20240508-0.85-3.2	3510C, 8081B	Solid	P	250 mL	1 mL	5 SU		50 uL	TCLP

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974528 Batch Start Date: 05/13/24 10:43 Batch Analyst: Santos, Omar T

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C_LVI / 8081B
pH Indicator ID	10BDH4321
Analyst ID - Extraction	OS
Analyst ID - Spike Analyst	OS
Analyst ID - Spike Witness Analyst	AB
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	Dichloromethane: 1562007
Na2SO4 ID	461008
Analyst ID - Concentration	OS
Equipment ID - Concentration 1	31869
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Exchange Solvent ID	Hexane: 1262004
Vial Lot Number	21116173
Batch Comment	Pesticide Water

Basis	Basis Description
P	TCLP

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 8151A

Herbicides (GC) by Method 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): DB-5 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCPAA1 #	DCPAA2 #
PL-C-4W-20240508-0.75-3.2	460-303610-1	29	29
PL-C-1W-20240508-0.75-4.1	460-303610-2	34	34
PL-C-5W-20240508-0.75-7.8	460-303610-3	19	20
PL-C-2W-20240508-1.7-7.4	460-303610-4	25	25
PL-C-3W-20240508-0.85-3.2	460-303610-5	26	27
	MB 460-974531/1-A	57	61
	LB 460-974423/1-D	23	24
	LCS 460-974531/2-A	77	81
	LCSD 460-974531/3-A	69	72

	QC LIMITS
DCPAA = 2,4-Dichlorophenylacetic acid	10-150

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 15F0206447.D

Lab ID: LCS 460-974531/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-D	133	168	126	28-150	
2,4-D	133	170	127	28-150	
Silvex (2,4,5-TP)	33.3	44.1 J	132	22-150	
Silvex (2,4,5-TP)	33.3	44.9 J	135	22-150	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 15F0206448.D

Lab ID: LCSD 460-974531/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-D	133	135	101	22	30	28-150	
2,4-D	133	137	103	21	30	28-150	
Silvex (2,4,5-TP)	33.3	41.7 J	125	6	30	22-150	
Silvex (2,4,5-TP)	33.3	42.7 J	128	5	30	22-150	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: MB 460-974531/1-A

Matrix: Water Date Extracted: 05/13/2024 10:54

Lab File ID:(1) 15F0206446.D Lab File ID:(2) 15F0206446.D

Date Analyzed:(1) 05/14/2024 06:51 Date Analyzed:(2) 05/14/2024 06:51

Instrument ID:(1) CPESTGC15 Instrument ID:(2) CPESTGC15

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) DB-5 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-974531/2-A	05/14/2024 07:05	05/14/2024 07:05
	LCSD 460-974531/3-A	05/14/2024 07:18	05/14/2024 07:18
	LB 460-974423/1-D	05/14/2024 07:32	05/14/2024 07:32
PL-C-4W-20240508-0.75-3.2	460-303610-1	05/14/2024 07:59	05/14/2024 07:59
PL-C-1W-20240508-0.75-4.1	460-303610-2	05/14/2024 08:12	05/14/2024 08:12
PL-C-5W-20240508-0.75-7.8	460-303610-3	05/14/2024 08:25	05/14/2024 08:25
PL-C-2W-20240508-1.7-7.4	460-303610-4	05/14/2024 08:39	05/14/2024 08:39
PL-C-3W-20240508-0.85-3.2	460-303610-5	05/14/2024 08:52	05/14/2024 08:52

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: IC 460-974303/5 Date Analyzed: 05/11/2024 09:44

Instrument ID: CPESTGC15 GC Column: DB-5 ID: 0.53(mm)

Lab File ID (Standard): 15F0206402.D Heated Purge: (Y/N) N

Calibration ID: 97126

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA		
				RT #		
INITIAL CALIBRATION SURROGATE				1.94		
UPPER LIMIT				2.04		
LOWER LIMIT				1.84		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
IC 460-974303/5 ICRT		05/11/2024 09:44	15F0206402.D	1.94		
ICV 460-974303/8		05/11/2024 10:24	15F0206405.D	1.93		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: IC 460-974303/5 Date Analyzed: 05/11/2024 09:44

Instrument ID: CPESTGC15 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 15F0206402.D Heated Purge: (Y/N) N

Calibration ID: 97127

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA		
				RT #		
INITIAL CALIBRATION SURROGATE				1.59		
UPPER LIMIT				1.69		
LOWER LIMIT				1.49		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
IC 460-974303/5 ICRT		05/11/2024 09:44	15F0206402.D	1.59		
ICV 460-974303/8		05/11/2024 10:24	15F0206405.D	1.59		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: CCVRT 460-974543/1 Date Analyzed: 05/14/2024 06:33

Instrument ID: CPESTGC15 GC Column: DB-5 ID: 0.53(mm)

Lab File ID (Standard): 15F0206445.D Heated Purge: (Y/N) N

Calibration ID: 97126

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA		
				RT #		
CONTINUING CALIBRATION SURROGATE				1.93		
UPPER LIMIT				2.03		
LOWER LIMIT				1.83		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-974543/1		05/14/2024 06:33	15F0206445.D	1.93		
MB 460-974531/1-A		05/14/2024 06:51	15F0206446.D	1.94		
LCS 460-974531/2-A		05/14/2024 07:05	15F0206447.D	1.94		
LCSD 460-974531/3-A		05/14/2024 07:18	15F0206448.D	1.94		
LB 460-974423/1-D		05/14/2024 07:32	15F0206449.D	1.94		
460-303610-1	PL-C-4W-20240508-0.75-3.2	05/14/2024 07:59	15F0206451.D	1.94		
460-303610-2	PL-C-1W-20240508-0.75-4.1	05/14/2024 08:12	15F0206452.D	1.93		
460-303610-3	PL-C-5W-20240508-0.75-7.8	05/14/2024 08:25	15F0206453.D	1.94		
460-303610-4	PL-C-2W-20240508-1.7-7.4	05/14/2024 08:39	15F0206454.D	1.94		
460-303610-5	PL-C-3W-20240508-0.85-3.2	05/14/2024 08:52	15F0206455.D	1.93		
CCV 460-974543/13		05/14/2024 09:19	15F0206457.D	1.94		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Sample No.: CCVRT 460-974543/1 Date Analyzed: 05/14/2024 06:33

Instrument ID: CPESTGC15 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 15F0206445.D Heated Purge: (Y/N) N

Calibration ID: 97127

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA		
				RT #		
CONTINUING CALIBRATION SURROGATE				1.58		
UPPER LIMIT				1.68		
LOWER LIMIT				1.48		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-974543/1		05/14/2024 06:33	15F0206445.D	1.58		
MB 460-974531/1-A		05/14/2024 06:51	15F0206446.D	1.59		
LCS 460-974531/2-A		05/14/2024 07:05	15F0206447.D	1.59		
LCSD 460-974531/3-A		05/14/2024 07:18	15F0206448.D	1.59		
LB 460-974423/1-D		05/14/2024 07:32	15F0206449.D	1.59		
460-303610-1	PL-C-4W-20240508-0.75-3.2	05/14/2024 07:59	15F0206451.D	1.59		
460-303610-2	PL-C-1W-20240508-0.75-4.1	05/14/2024 08:12	15F0206452.D	1.59		
460-303610-3	PL-C-5W-20240508-0.75-7.8	05/14/2024 08:25	15F0206453.D	1.59		
460-303610-4	PL-C-2W-20240508-1.7-7.4	05/14/2024 08:39	15F0206454.D	1.59		
460-303610-5	PL-C-3W-20240508-0.85-3.2	05/14/2024 08:52	15F0206455.D	1.59		
CCV 460-974543/13		05/14/2024 09:19	15F0206457.D	1.59		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-974531/2-A

Instrument ID (1): CPESTGC15 Instrument ID (2): CPESTGC15

Date Analyzed (1): 05/14/2024 07:05 Date Analyzed (2): 05/14/2024 07:05

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): DB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		2.20	2.12	2.26	170		0.9
	2		2.70	2.63	2.77	168		
Silvex (2,4,5-TP)	1		2.71	2.64	2.78	44.9		1.9
	2		3.25	3.18	3.32	44.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-974531/3-A

Instrument ID (1): CPESTGC15 Instrument ID (2): CPESTGC15

Date Analyzed (1): 05/14/2024 07:18 Date Analyzed (2): 05/14/2024 07:18

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): DB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		2.20	2.12	2.26	137		1.6
	2		2.70	2.63	2.77	135		
Silvex (2,4,5-TP)	1		2.71	2.64	2.78	42.7		2.5
	2		3.25	3.18	3.32	41.7		

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-4W-20240508-0.75-3.2 | Lab Sample ID: 460-303610-1

Matrix: Solid (TCLP) | Lab File ID: 15F0206451.D

Analysis Method: 8151A | Date Collected: 05/08/2024 13:05

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 07:59

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	29		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206451.D				
Lims ID:	460-303610-E-1-F				
Client ID:	PL-C-4W-20240508-0.75-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 07:59:11	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-007				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				

First Level Reviewer: SE1K Date: 14-May-2024 08:42:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.936	1.932	0.004	68489838	293.4	
2	1.587	1.584	0.003	52100801	291.0	
					RPD = 0.81	

QC Flag Legend

Processing Flags

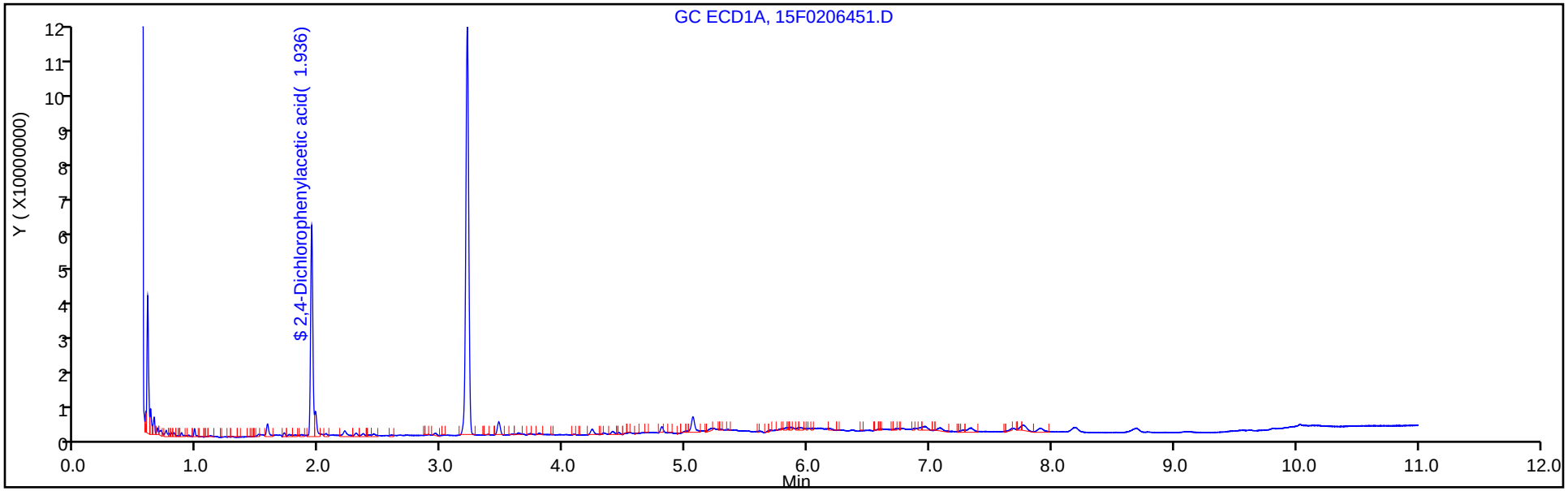
Report Date: 16-May-2024 13:18:26 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

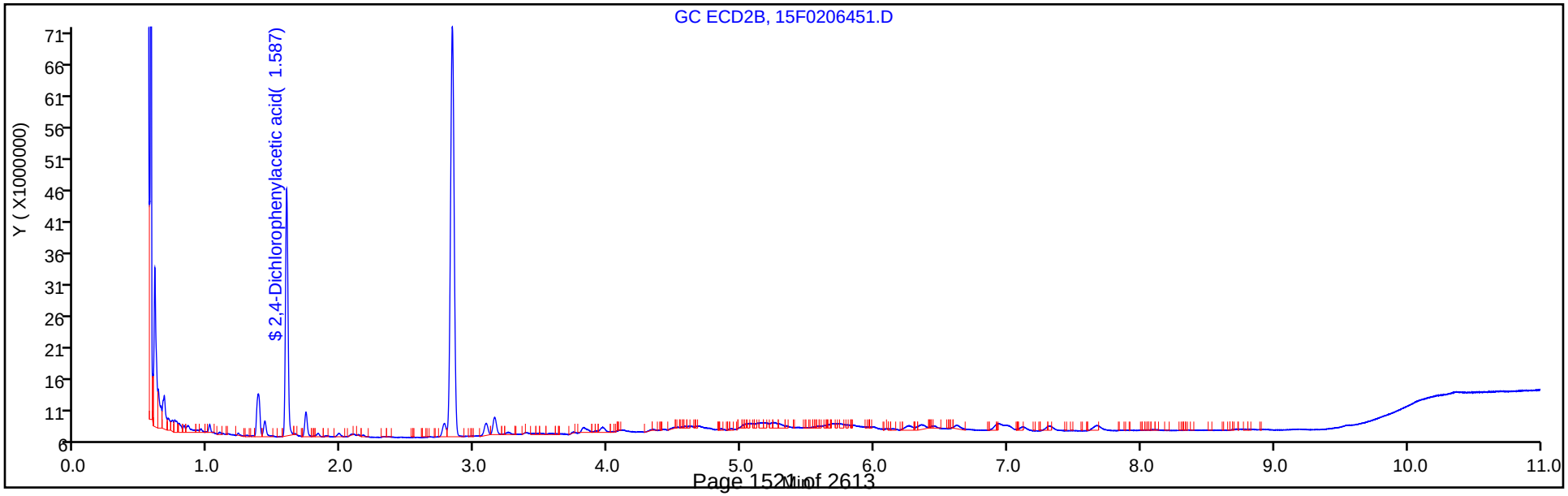
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206451.D

Injection Date:	14-May-2024 07:59:11	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-1-F	Lab Sample ID:	460-303610-1	Worklist Smp#:	7
Client ID:	PL-C-4W-20240508-0.75-3.2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206451.D				
Lims ID:	460-303610-E-1-F				
Client ID:	PL-C-4W-20240508-0.75-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 07:59:11	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-007				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 08:42:24		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	293.4	29.34

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	291.0	29.10

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206451.D

Injection Date: 14-May-2024 07:59:11 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-1-F Lab Sample ID: 460-303610-1

Client ID: PL-C-4W-20240508-0.75-3.2

Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

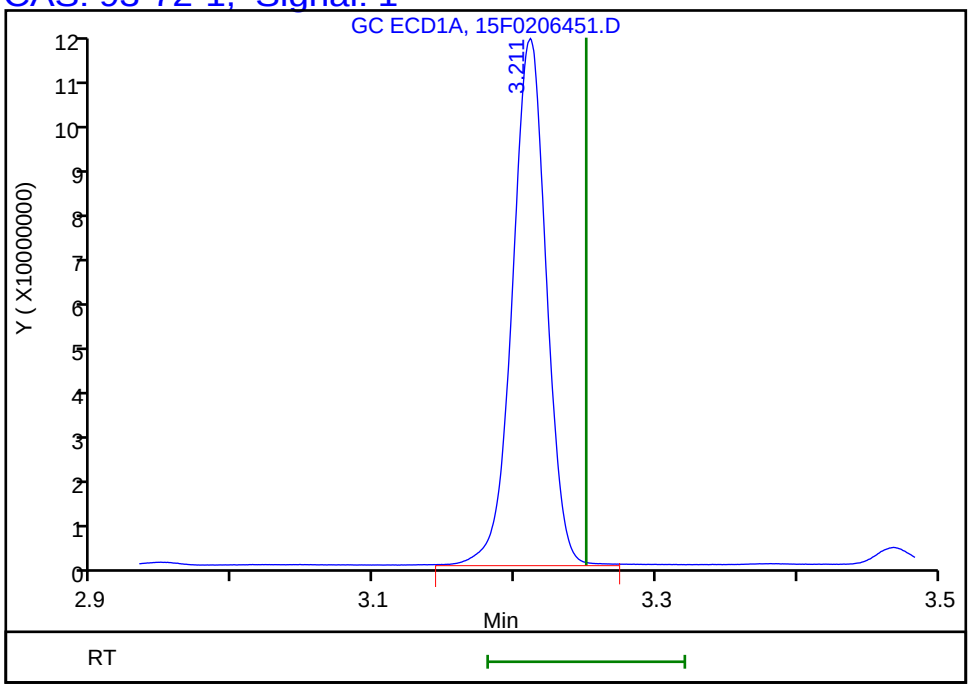
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 175333483

Amount: 143.2285



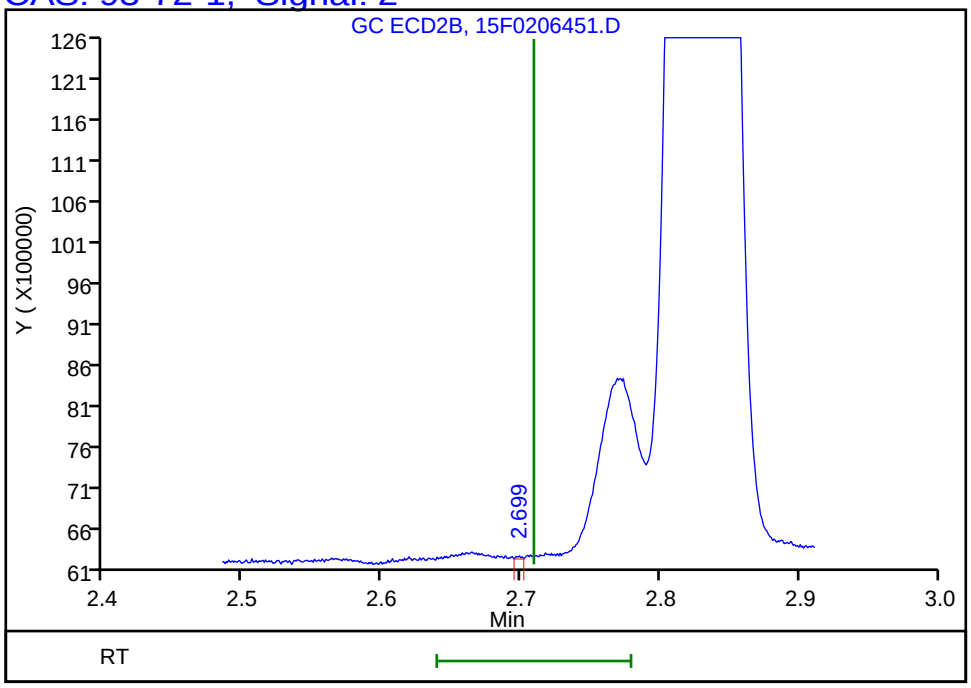
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.70

Response: 7601

Amount: 0.008086



Reviewer: SE1K, 14-May-2024 08:42:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-4W-20240508-0.75-3.2 | Lab Sample ID: 460-303610-1

Matrix: Solid (TCLP) | Lab File ID: 15F0206451.D

Analysis Method: 8151A | Date Collected: 05/08/2024 13:05

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 07:59

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	5.0	U	83	5.0
93-72-1	Silvex (2,4,5-TP)	4.0	U	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	29		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206451.D				
Lims ID:	460-303610-E-1-F				
Client ID:	PL-C-4W-20240508-0.75-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 07:59:11	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-007				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				

First Level Reviewer: SE1K Date: 14-May-2024 08:42:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.936	1.932	0.004	68489838	293.4	
2	1.587	1.584	0.003	52100801	291.0	
					RPD = 0.81	

QC Flag Legend

Processing Flags

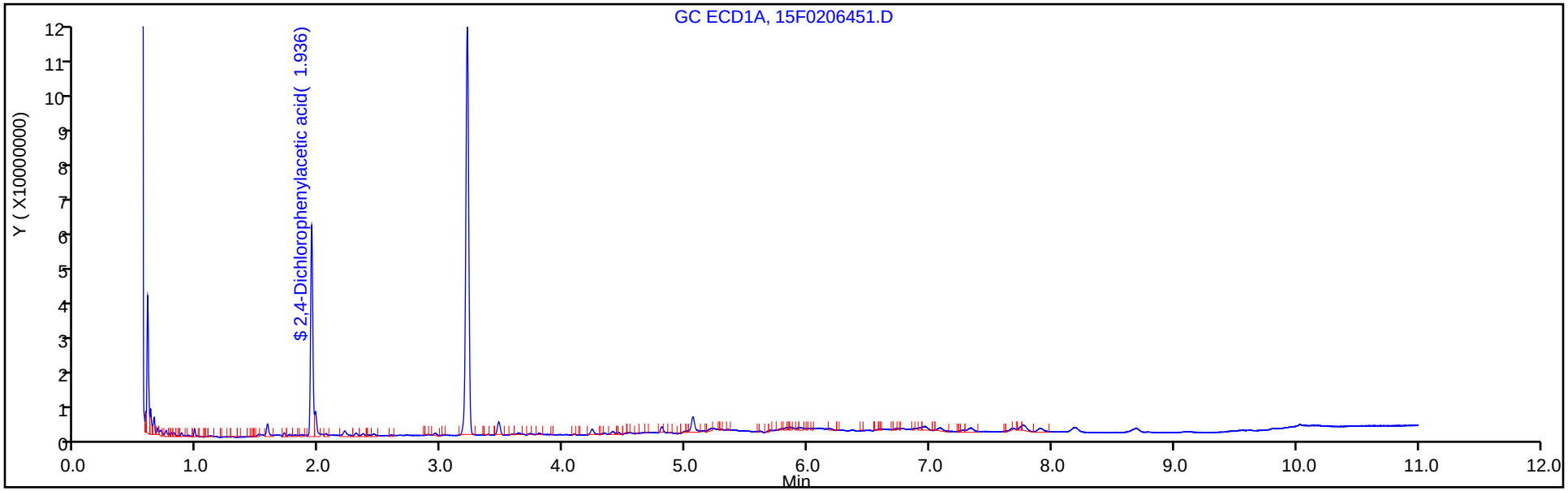
Report Date: 16-May-2024 13:18:26 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

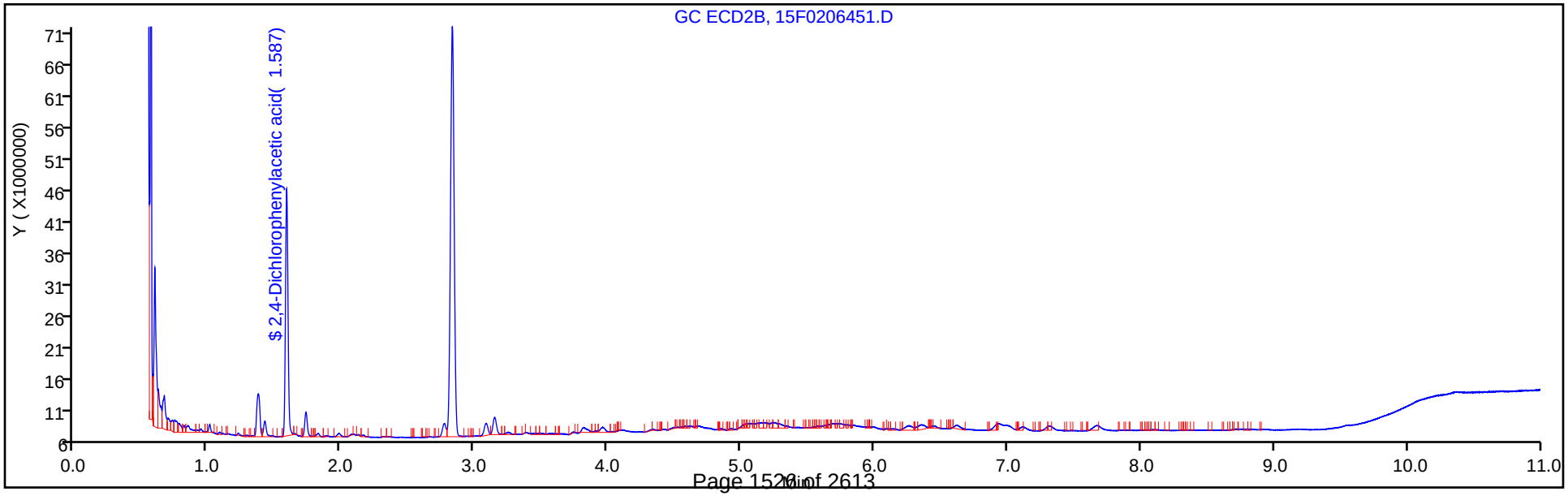
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206451.D

Injection Date:	14-May-2024 07:59:11	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-1-F	Lab Sample ID:	460-303610-1	Worklist Smp#:	7
Client ID:	PL-C-4W-20240508-0.75-3.2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:26 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206451.D				
Lims ID:	460-303610-E-1-F				
Client ID:	PL-C-4W-20240508-0.75-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 07:59:11	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-007				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 08:42:24		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	293.4	29.34

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	291.0	29.10

User Disabled Compound Report

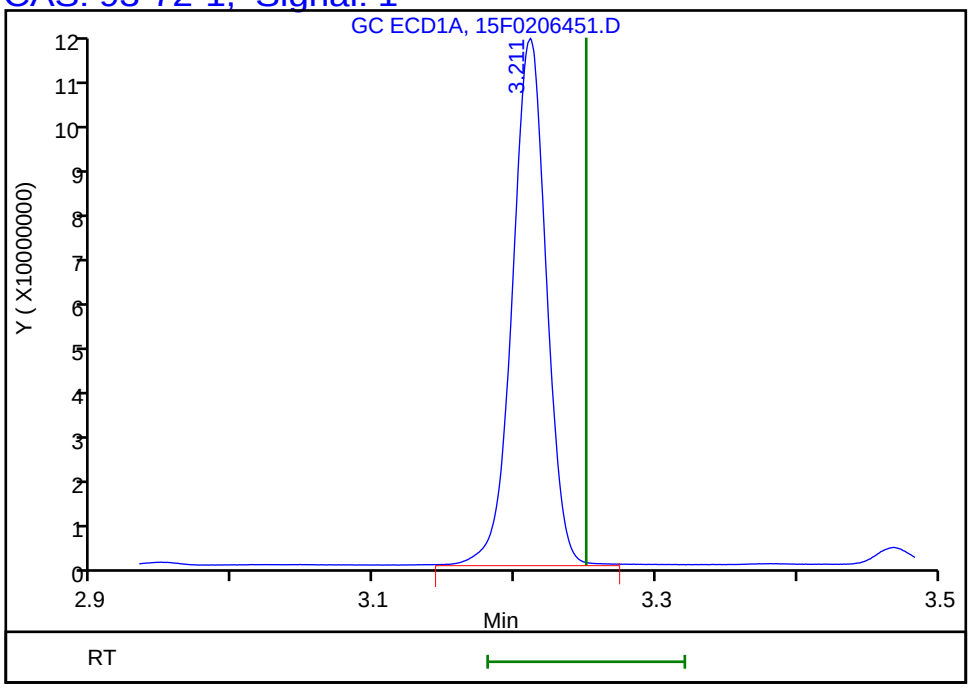
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206451.D
Injection Date: 14-May-2024 07:59:11 Instrument ID: CPESTGC15
Lims ID: 460-303610-E-1-F Lab Sample ID: 460-303610-1
Client ID: PL-C-4W-20240508-0.75-3.2
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

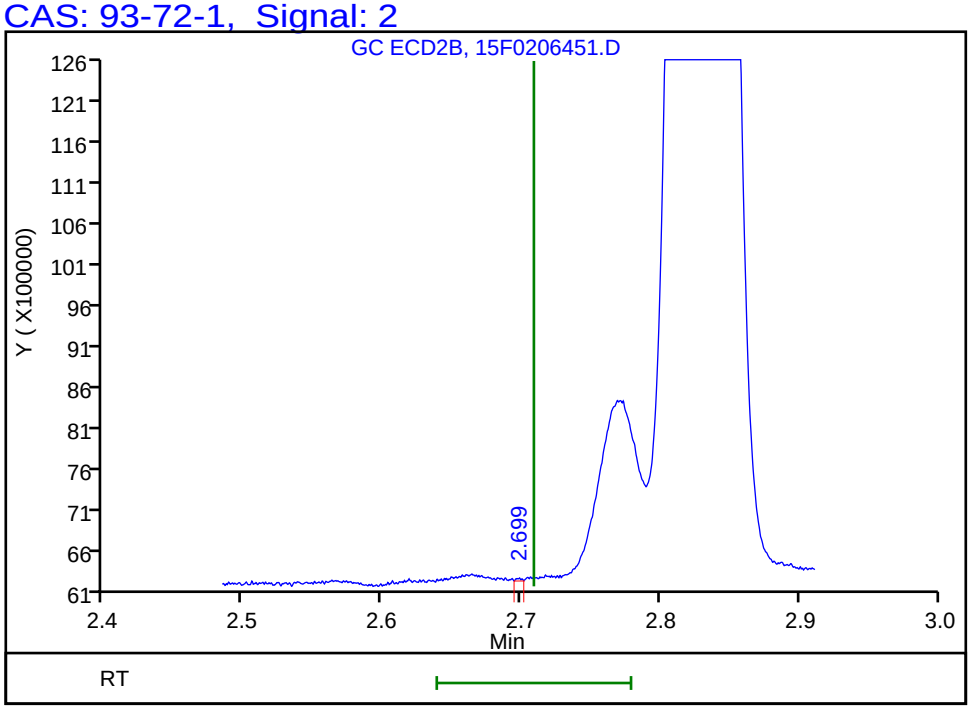
RT: 3.21
Response: 175333483
Amount: 143.2285



Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.70
Response: 7601
Amount: 0.008086



Reviewer: SE1K, 14-May-2024 08:42:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-1W-20240508-0.75-4.1 | Lab Sample ID: 460-303610-2

Matrix: Solid (TCLP) | Lab File ID: 15F0206452.D

Analysis Method: 8151A | Date Collected: 05/08/2024 12:15

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 08:12

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	34		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206452.D
Lims ID: 460-303610-E-2-E
Client ID: PL-C-1W-20240508-0.75-4.1
Sample Type: Client
Inject. Date: 14-May-2024 08:12:35 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-008
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:27:22 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: SE1K Date: 14-May-2024 08:42:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.934	1.932	0.002	79565053	340.8	
2	1.586	1.584	0.002	60612092	338.6	
					RPD = 0.67	

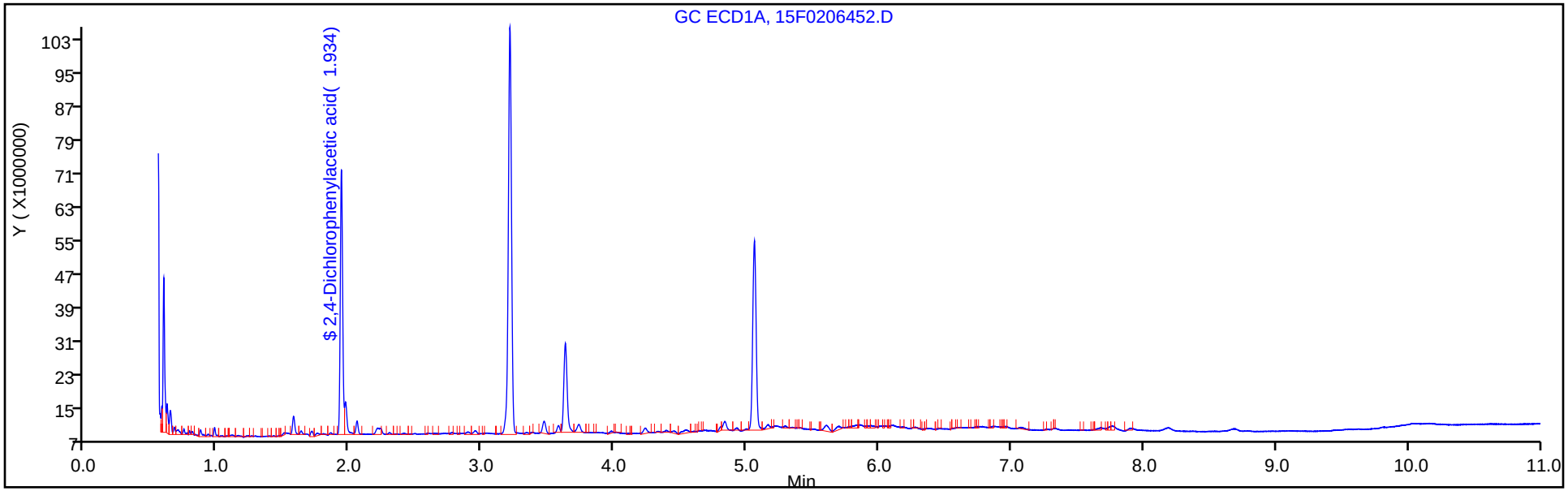
Report Date: 16-May-2024 13:18:28 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

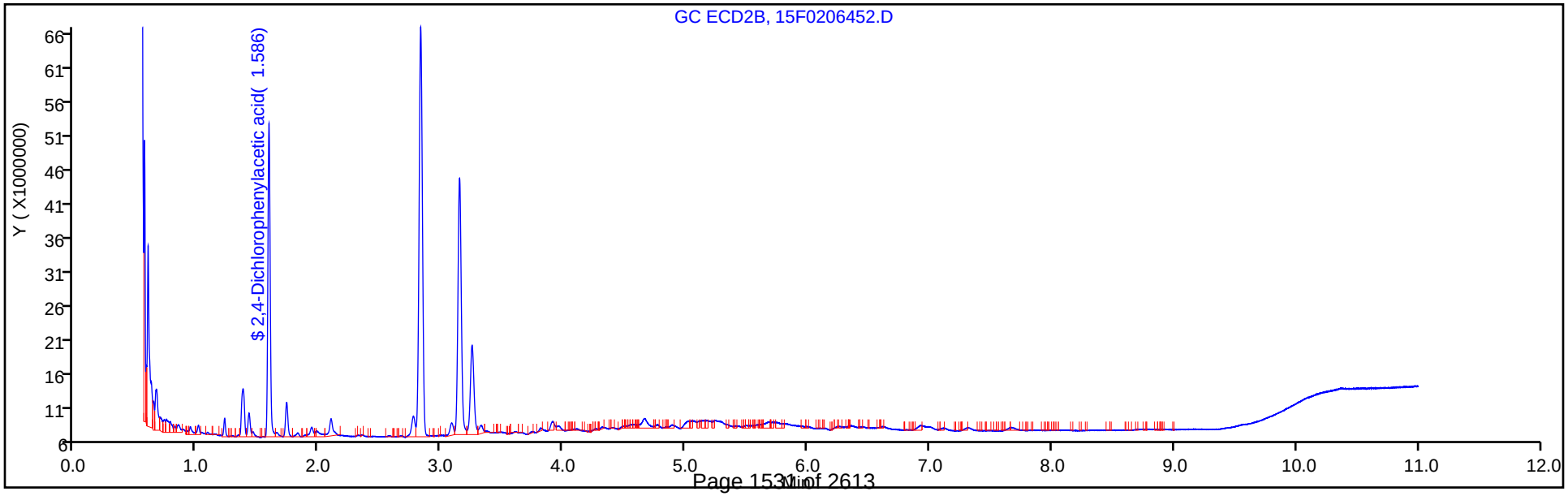
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206452.D

Injection Date:	14-May-2024 08:12:35	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-2-E	Lab Sample ID:	460-303610-2	Worklist Smp#:	8
Client ID:	PL-C-1W-20240508-0.75-4.1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:28 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206452.D				
Lims ID:	460-303610-E-2-E				
Client ID:	PL-C-1W-20240508-0.75-4.1				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:12:35	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-008				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 08:42:33		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	340.8	34.08

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	338.6	33.86

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206452.D

Injection Date: 14-May-2024 08:12:35 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-2-E Lab Sample ID: 460-303610-2

Client ID: PL-C-1W-20240508-0.75-4.1

Operator ID: ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

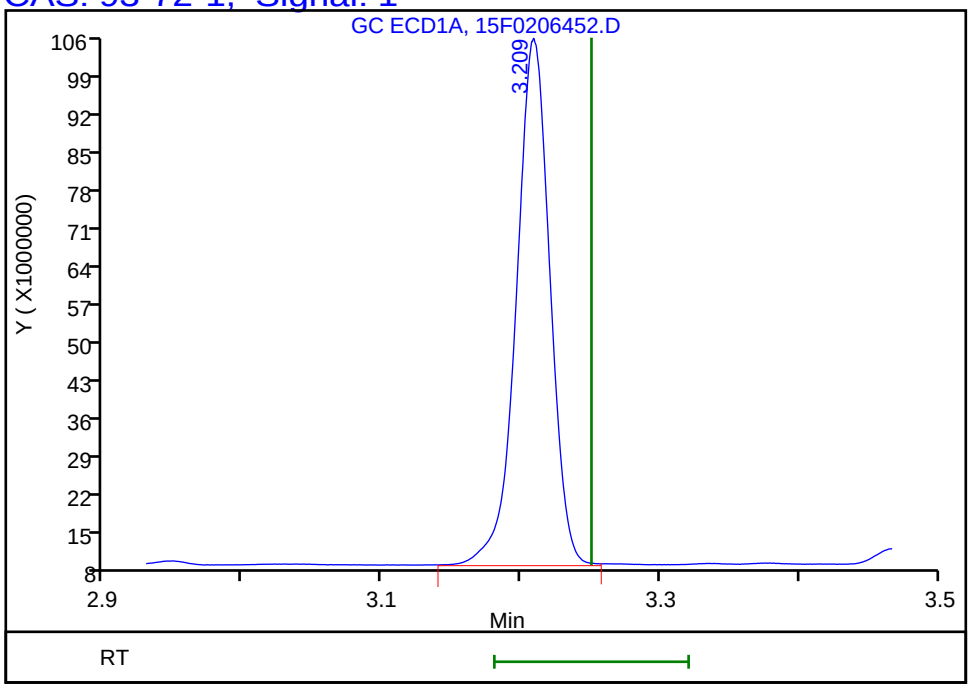
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 163642932

Amount: 133.6785



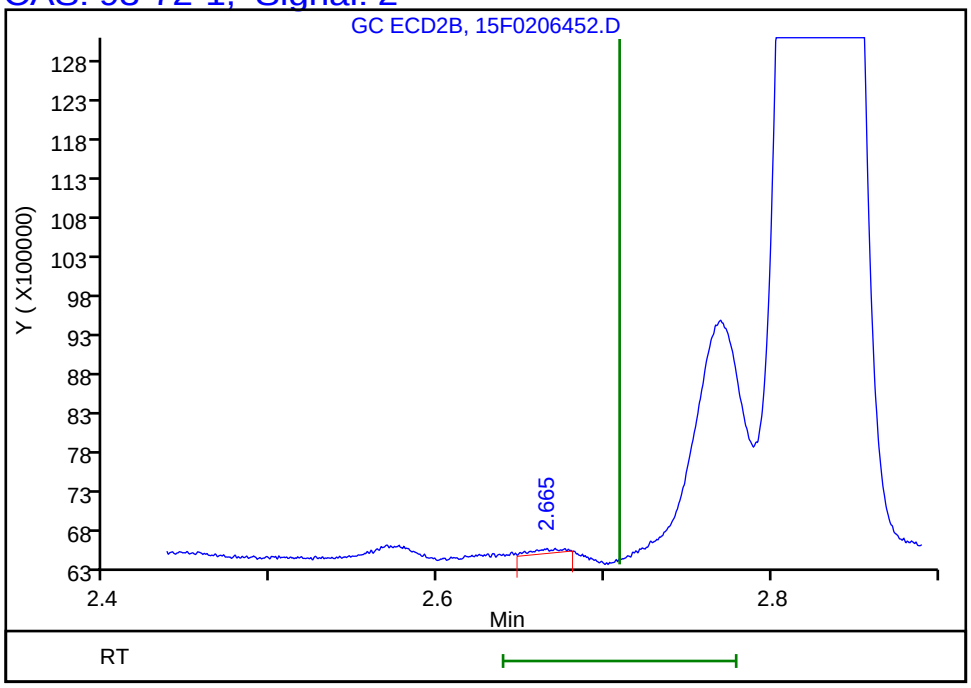
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.67

Response: 76227

Amount: 0.081093



Reviewer: SE1K, 14-May-2024 08:42:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-1W-20240508-0.75-4.1 | Lab Sample ID: 460-303610-2

Matrix: Solid (TCLP) | Lab File ID: 15F0206452.D

Analysis Method: 8151A | Date Collected: 05/08/2024 12:15

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 08:12

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	5.0	U	83	5.0
93-72-1	Silvex (2,4,5-TP)	4.0	U	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	34		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206452.D
Lims ID: 460-303610-E-2-E
Client ID: PL-C-1W-20240508-0.75-4.1
Sample Type: Client
Inject. Date: 14-May-2024 08:12:35 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-008
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:27:22 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: SE1K Date: 14-May-2024 08:42:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.934	1.932	0.002	79565053	340.8	
2	1.586	1.584	0.002	60612092	338.6	
					RPD = 0.67	

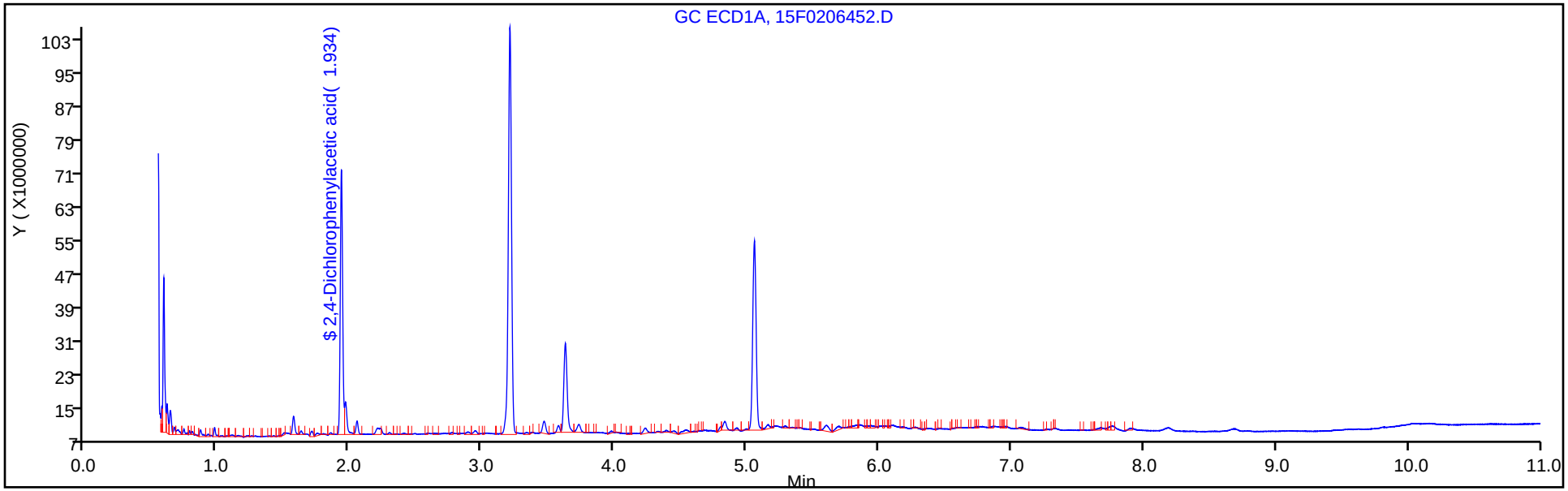
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Eurofins Edison

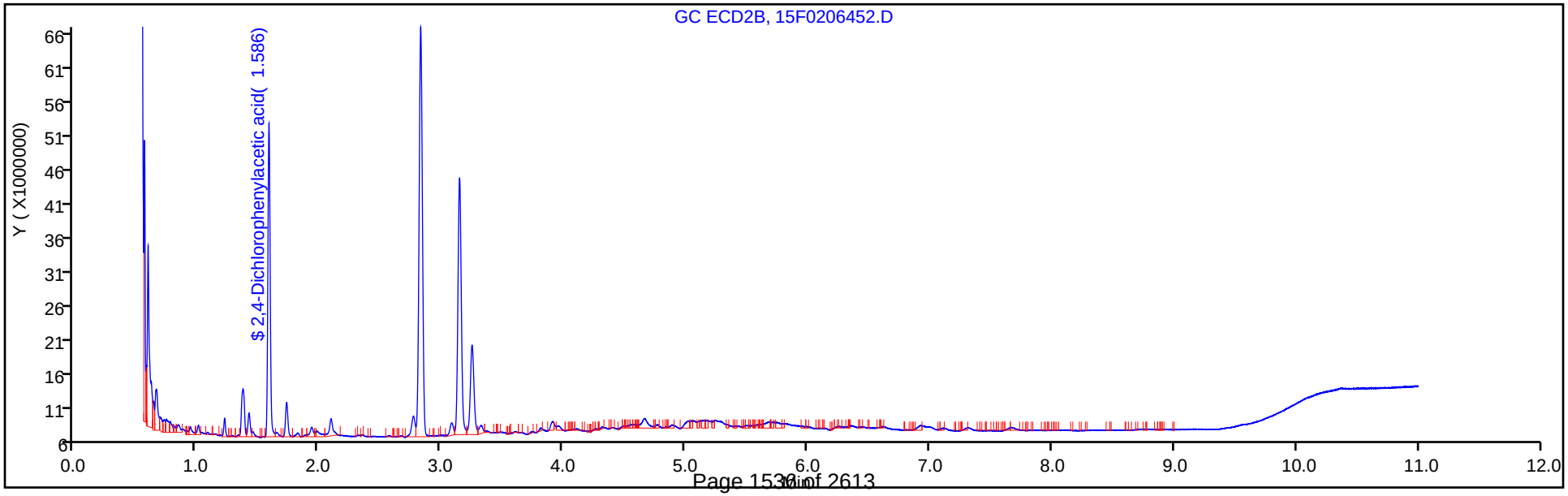
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206452.D

Injection Date:	14-May-2024 08:12:35	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-2-E	Lab Sample ID:	460-303610-2	Worklist Smp#:	8
Client ID:	PL-C-1W-20240508-0.75-4.1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:28 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206452.D				
Lims ID:	460-303610-E-2-E				
Client ID:	PL-C-1W-20240508-0.75-4.1				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:12:35	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-008				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 08:42:33		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	340.8	34.08

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	338.6	33.86

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206452.D

Injection Date: 14-May-2024 08:12:35 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-2-E Lab Sample ID: 460-303610-2

Client ID: PL-C-1W-20240508-0.75-4.1

Operator ID: ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

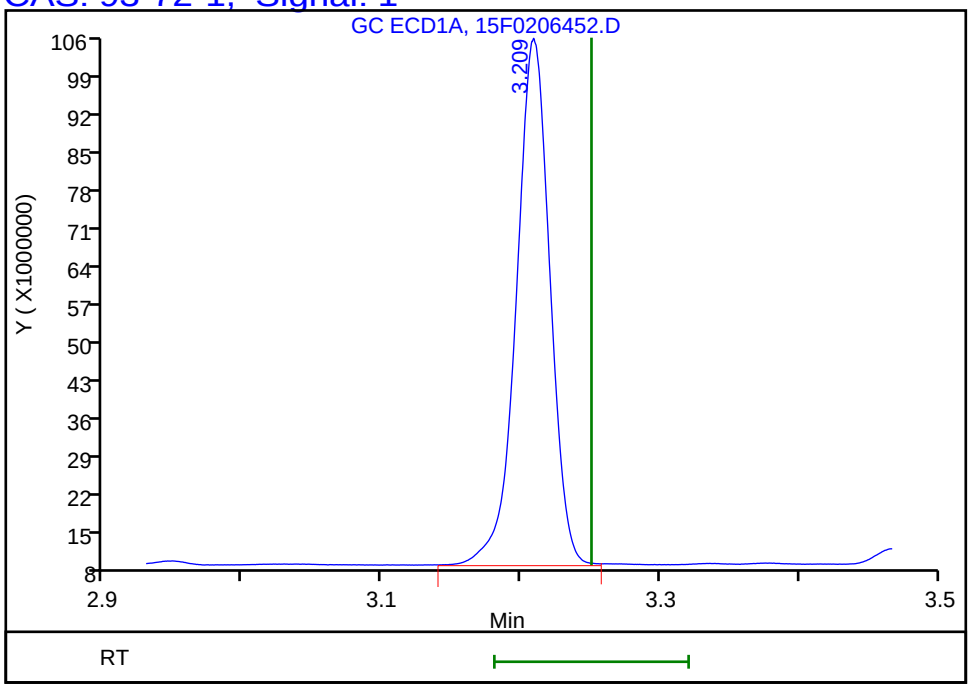
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 163642932

Amount: 133.6785



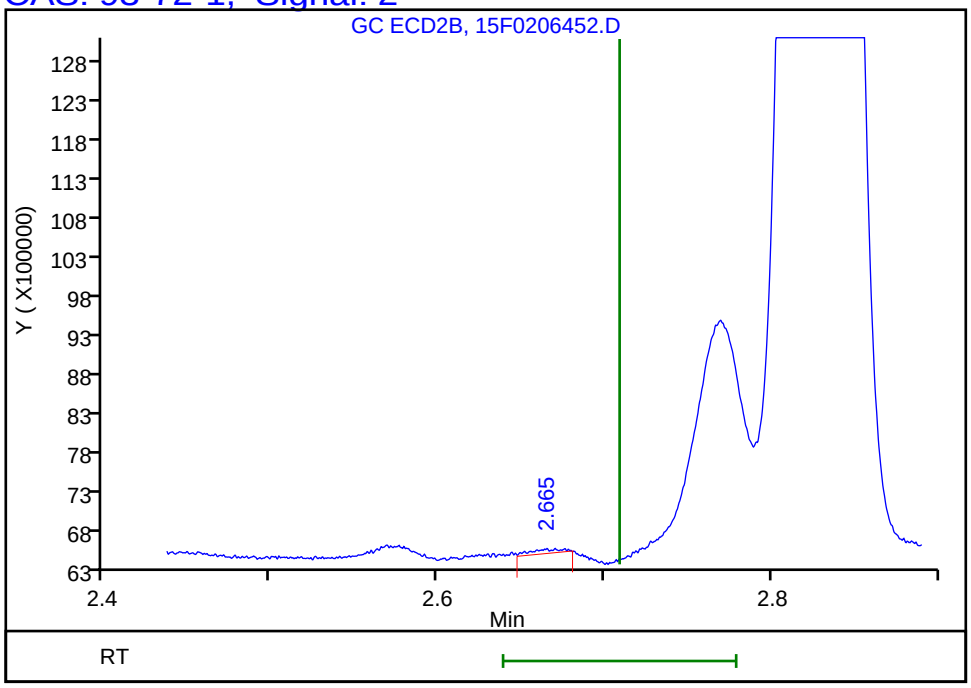
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.67

Response: 76227

Amount: 0.081093



Reviewer: SE1K, 14-May-2024 08:42:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-5W-20240508-0.75-7.8 | Lab Sample ID: 460-303610-3

Matrix: Solid (TCLP) | Lab File ID: 15F0206453.D

Analysis Method: 8151A | Date Collected: 05/08/2024 11:10

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 08:25

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	20		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D
Lims ID: 460-303610-E-3-E
Client ID: PL-C-5W-20240508-0.75-7.8
Sample Type: Client
Inject. Date: 14-May-2024 08:25:58 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-009
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:27:22 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1667

First Level Reviewer: SE1K Date: 14-May-2024 11:27:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.935	1.932	0.003	46616552	199.7	
2	1.586	1.584	0.002	34155878	190.8	
					RPD = 4.56	

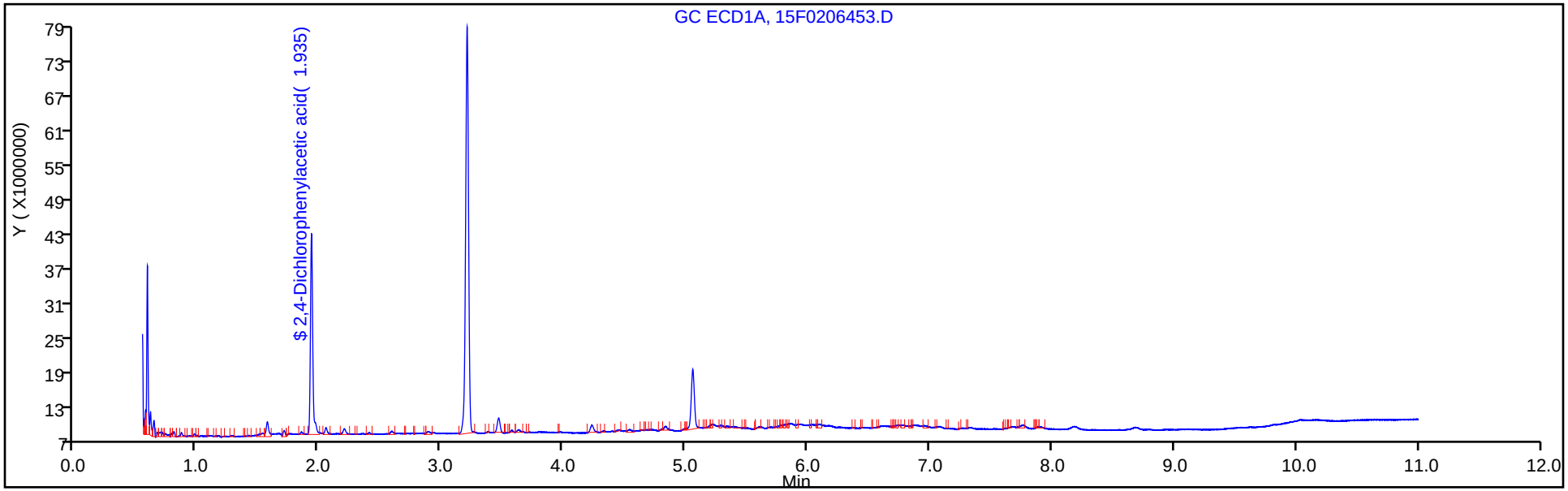
Report Date: 16-May-2024 13:18:29 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

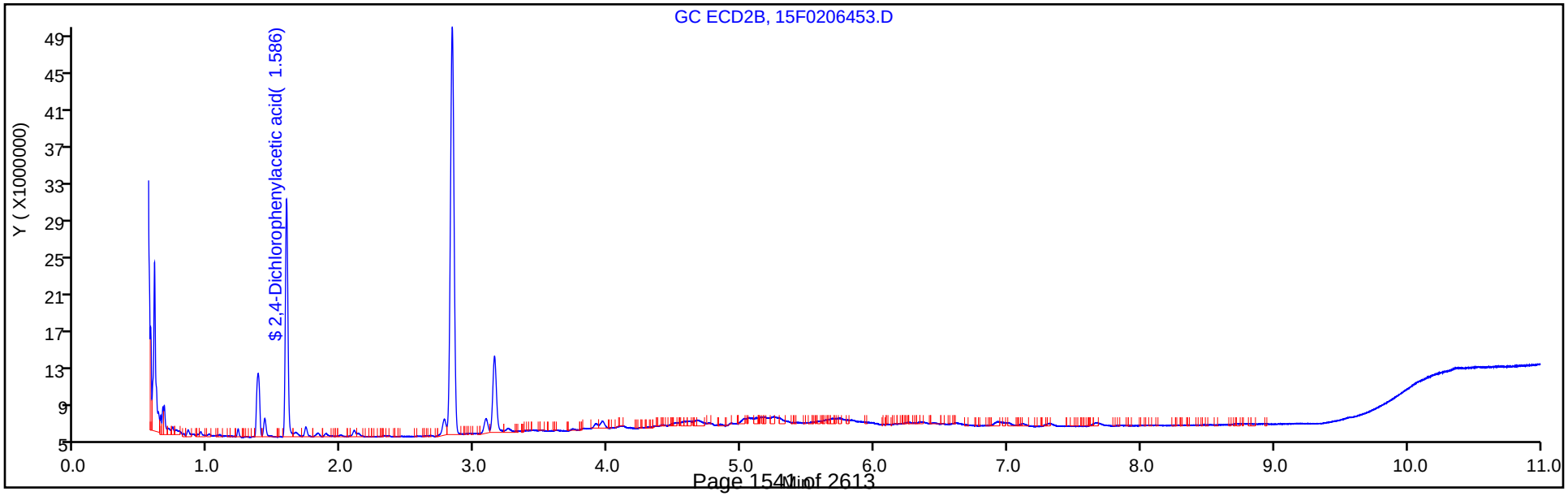
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D

Injection Date:	14-May-2024 08:25:58	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-3-E	Lab Sample ID:	460-303610-3	Worklist Smp#:	9
Client ID:	PL-C-5W-20240508-0.75-7.8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:29 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D				
Lims ID:	460-303610-E-3-E				
Client ID:	PL-C-5W-20240508-0.75-7.8				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:25:58	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-009				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 11:27:22		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	199.7	19.97

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	190.8	19.08

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D

Injection Date: 14-May-2024 08:25:58 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-3-E Lab Sample ID: 460-303610-3

Client ID: PL-C-5W-20240508-0.75-7.8

Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

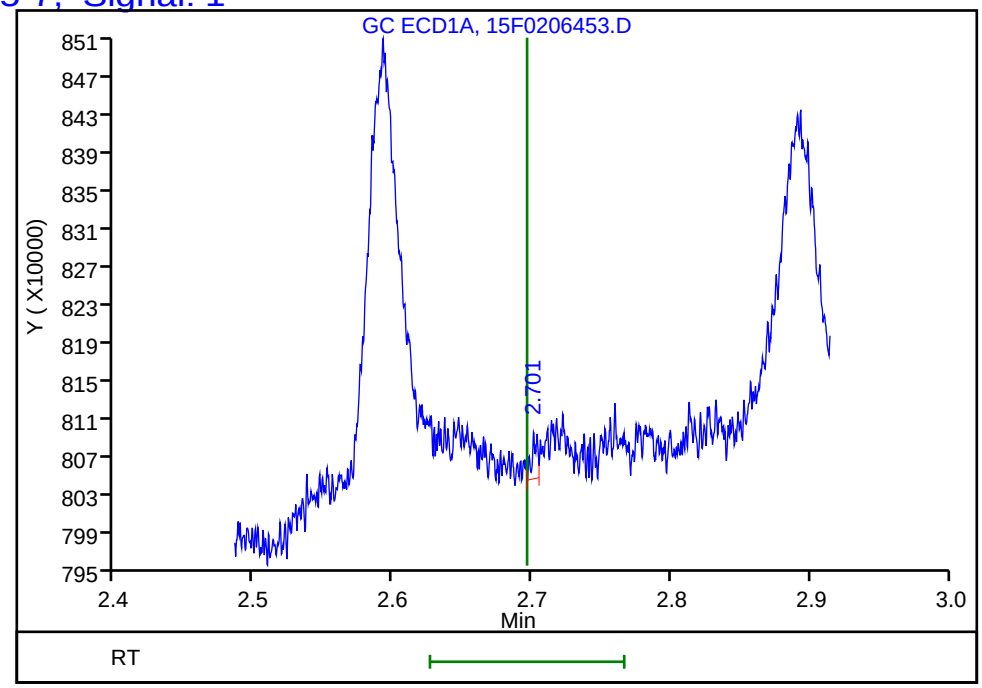
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

RT: 2.70

Response: 12523

Amount: 0.045579



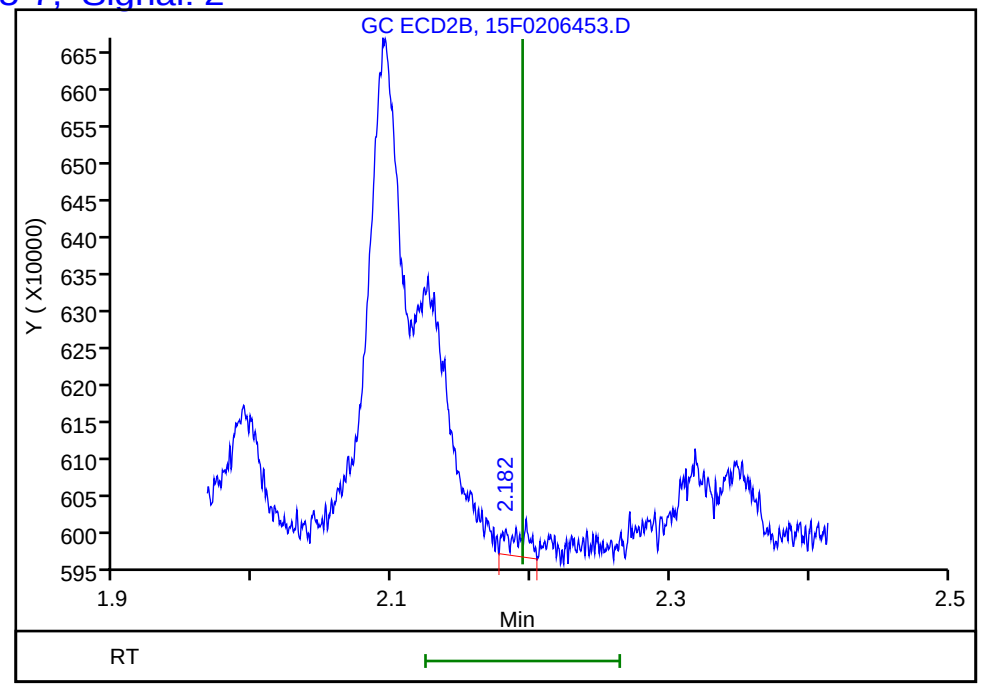
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 2.18

Response: 40233

Amount: 0.195786



Reviewer: SE1K, 14-May-2024 11:27:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D

Injection Date: 14-May-2024 08:25:58 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-3-E Lab Sample ID: 460-303610-3

Client ID: PL-C-5W-20240508-0.75-7.8

Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

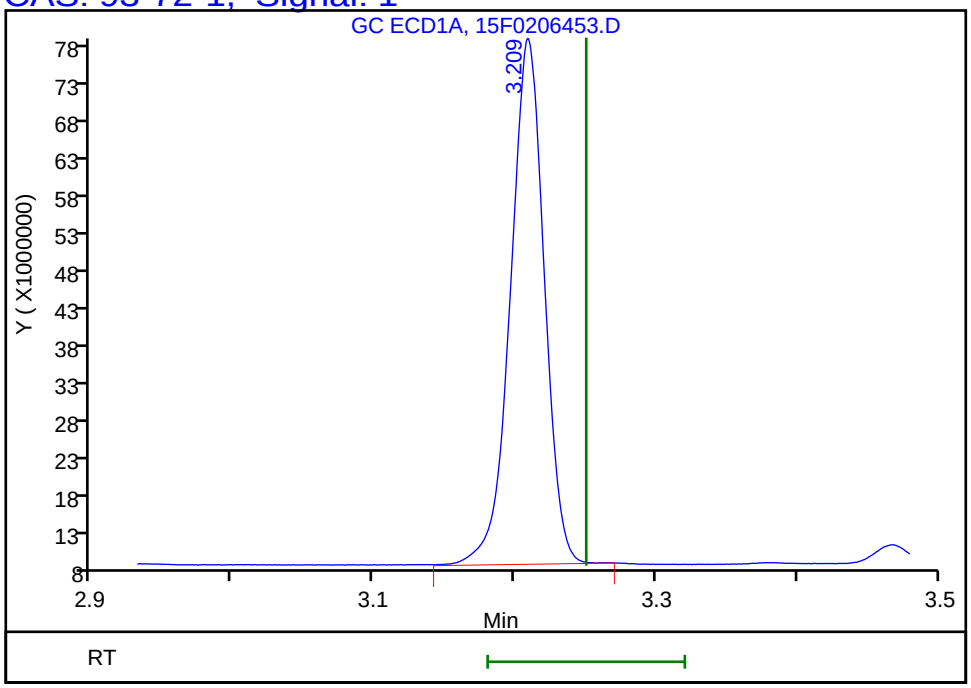
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 118241806

Amount: 96.590740



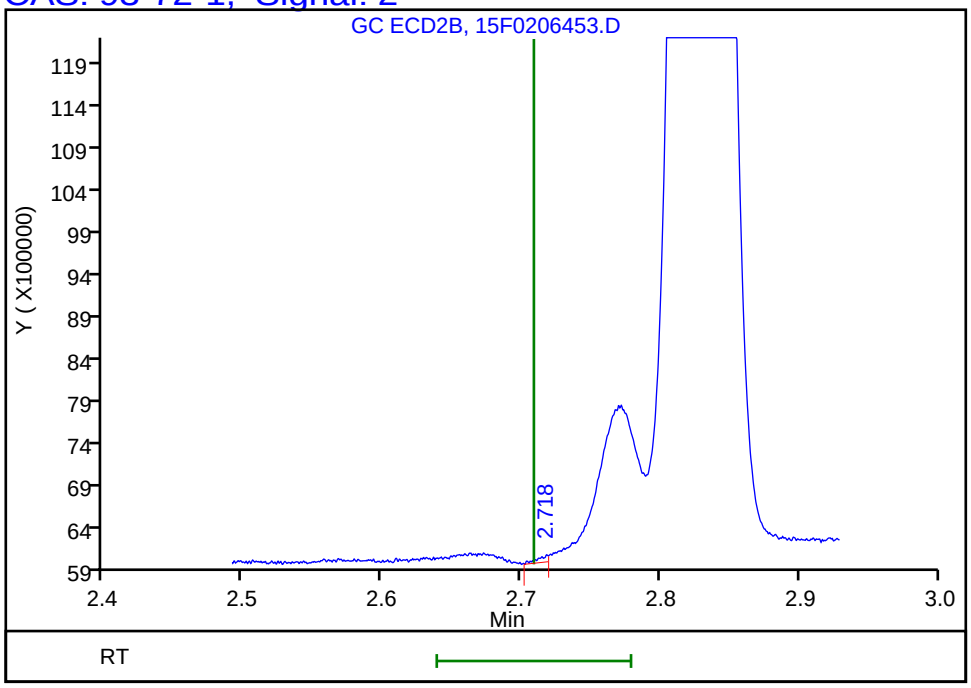
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.72

Response: 45738

Amount: 0.048658



Reviewer: SE1K, 14-May-2024 11:27:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-5W-20240508-0.75-7.8 | Lab Sample ID: 460-303610-3

Matrix: Solid (TCLP) | Lab File ID: 15F0206453.D

Analysis Method: 8151A | Date Collected: 05/08/2024 11:10

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 08:25

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	5.0	U	83	5.0
93-72-1	Silvex (2,4,5-TP)	4.0	U	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	19		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D				
Lims ID:	460-303610-E-3-E				
Client ID:	PL-C-5W-20240508-0.75-7.8				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:25:58	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-009				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				

First Level Reviewer: SE1K Date: 14-May-2024 11:27:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.935	1.932	0.003	46616552	199.7	
2	1.586	1.584	0.002	34155878	190.8	
					RPD = 4.56	

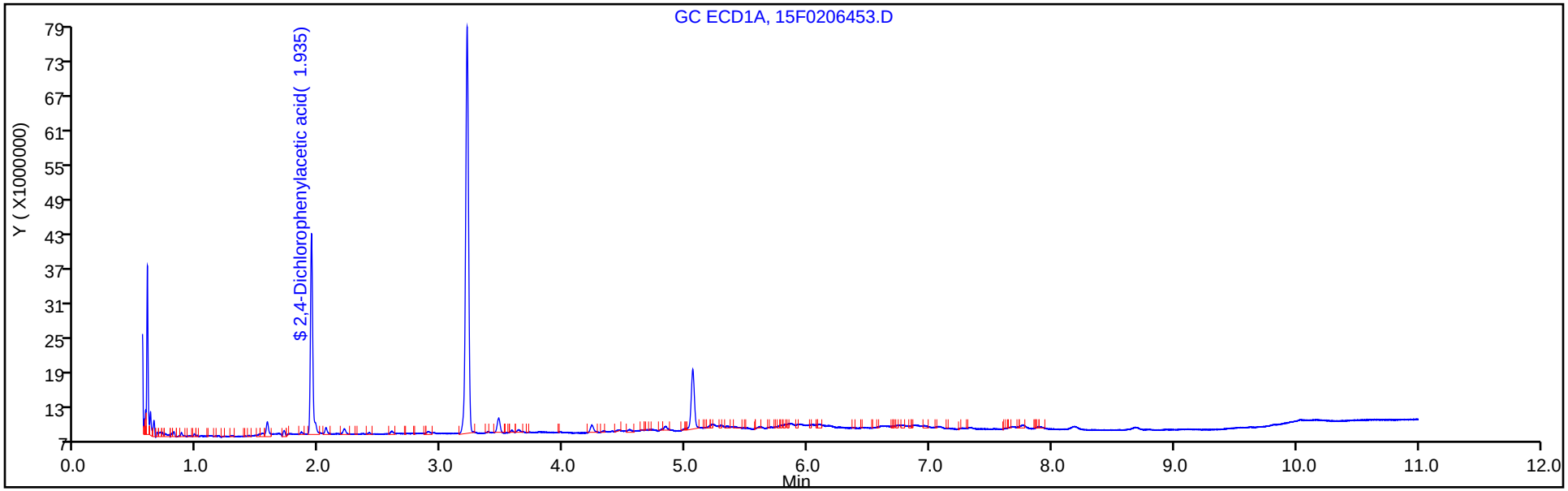
Report Date: 16-May-2024 13:18:30 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

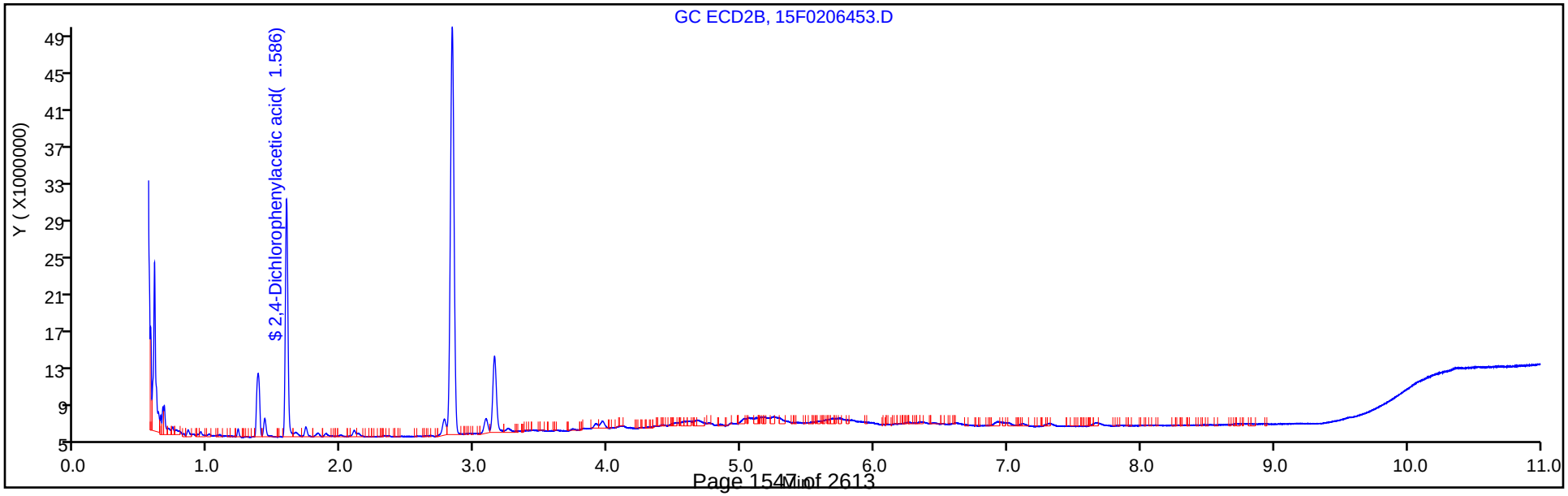
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D

Injection Date:	14-May-2024 08:25:58	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-3-E	Lab Sample ID:	460-303610-3	Worklist Smp#:	9
Client ID:	PL-C-5W-20240508-0.75-7.8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:30 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D				
Lims ID:	460-303610-E-3-E				
Client ID:	PL-C-5W-20240508-0.75-7.8				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:25:58	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-009				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 11:27:22		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	199.7	19.97

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	190.8	19.08

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D

Injection Date: 14-May-2024 08:25:58 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-3-E Lab Sample ID: 460-303610-3

Client ID: PL-C-5W-20240508-0.75-7.8

Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

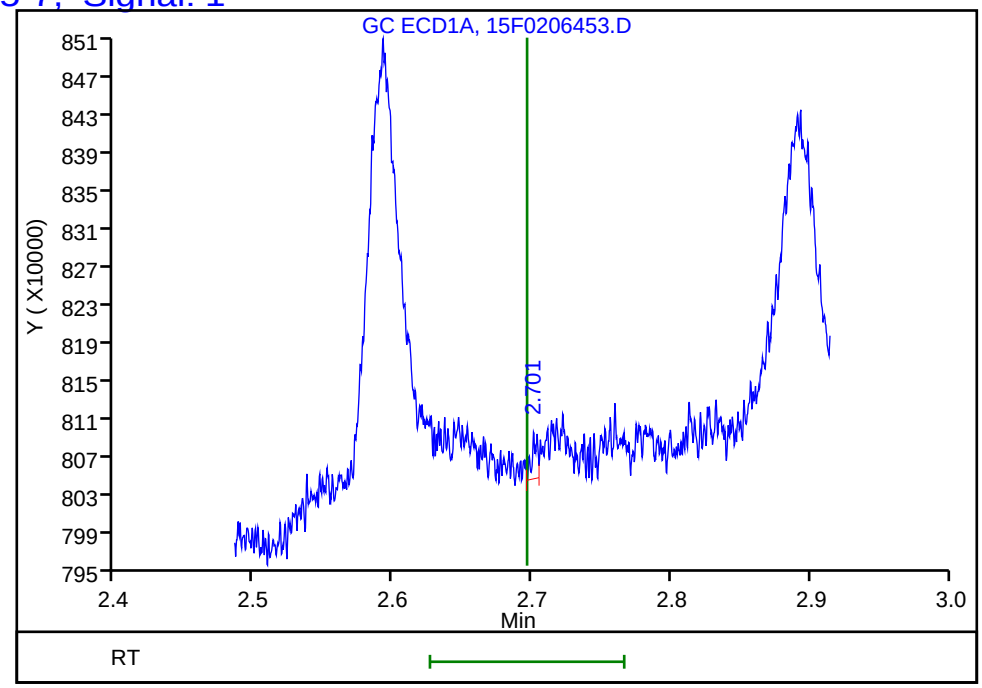
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

RT: 2.70

Response: 12523

Amount: 0.045579



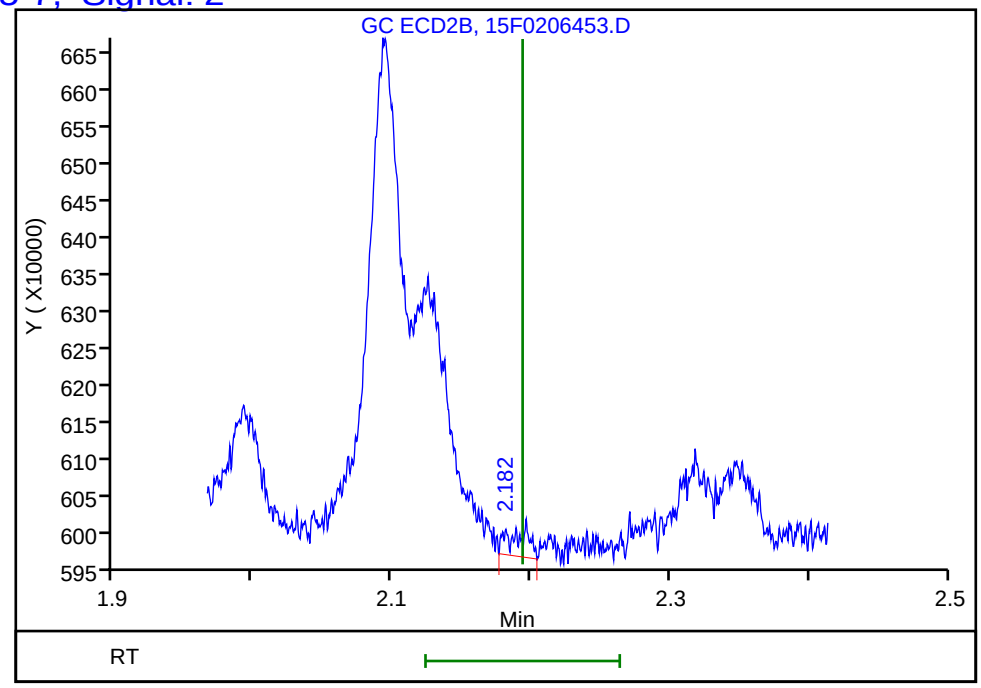
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 2.18

Response: 40233

Amount: 0.195786



Reviewer: SE1K, 14-May-2024 11:27:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206453.D

Injection Date: 14-May-2024 08:25:58 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-3-E Lab Sample ID: 460-303610-3

Client ID: PL-C-5W-20240508-0.75-7.8

Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

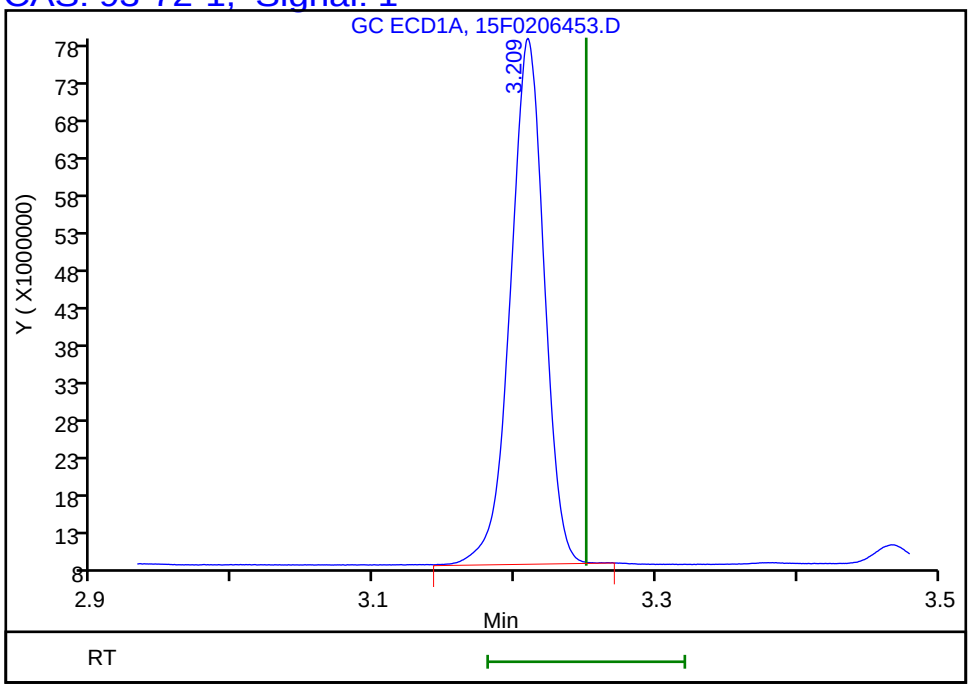
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 118241806

Amount: 96.590740



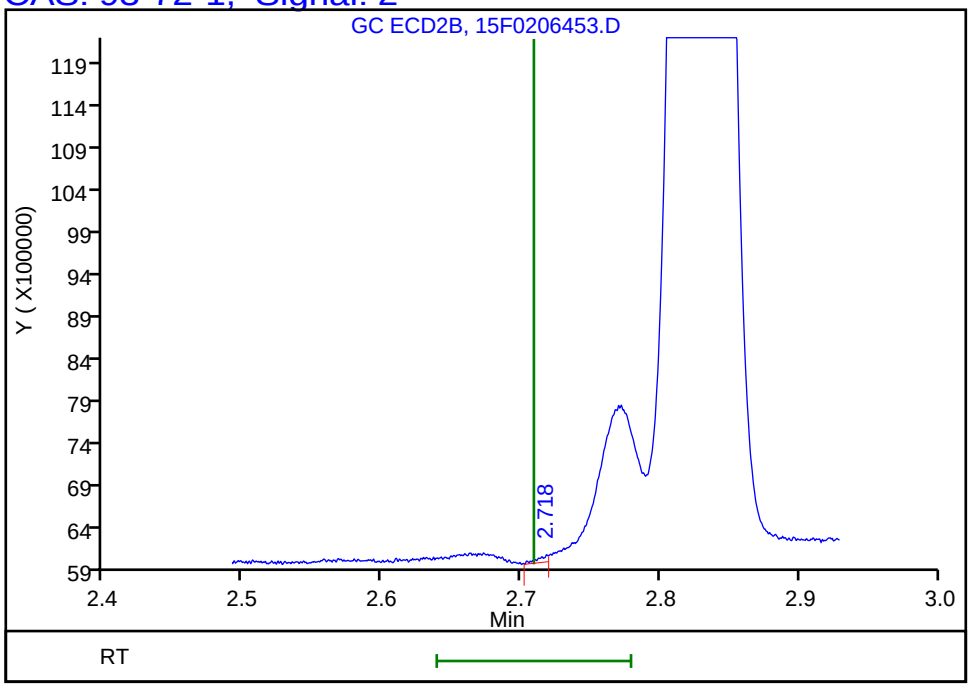
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.72

Response: 45738

Amount: 0.048658



Reviewer: SE1K, 14-May-2024 11:27:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-2W-20240508-1.7-7.4 Lab Sample ID: 460-303610-4

Matrix: Solid (TCLP) Lab File ID: 15F0206454.D

Analysis Method: 8151A Date Collected: 05/08/2024 10:10

Extraction Method: 8151A Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) Date Analyzed: 05/14/2024 08:39

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 Units: ug/L

Preparation Batch No.: 974531 Instrument ID: PESTGC15

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	25		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D				
Lims ID:	460-303610-E-4-E				
Client ID:	PL-C-2W-20240508-1.7-7.4				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:39:32	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-010				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				

First Level Reviewer: SE1K Date: 14-May-2024 08:56:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.935	1.932	0.003	58987607	252.7	
2	1.586	1.584	0.002	43917099	245.3	
					RPD = 2.96	

QC Flag Legend

Processing Flags

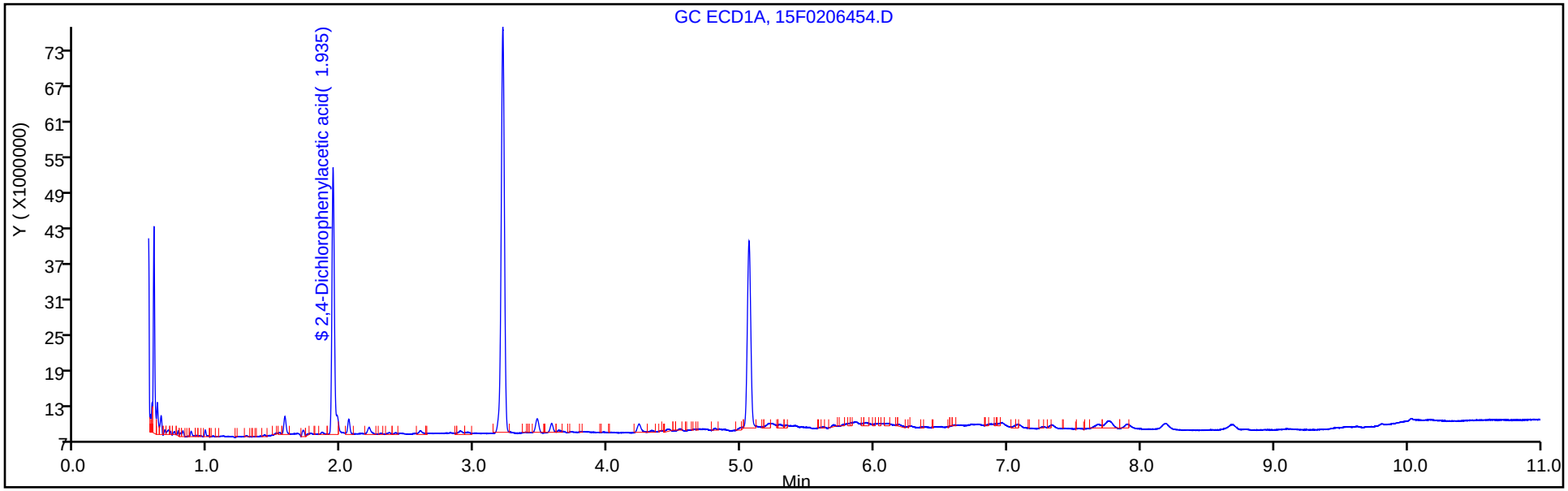
Report Date: 16-May-2024 13:18:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

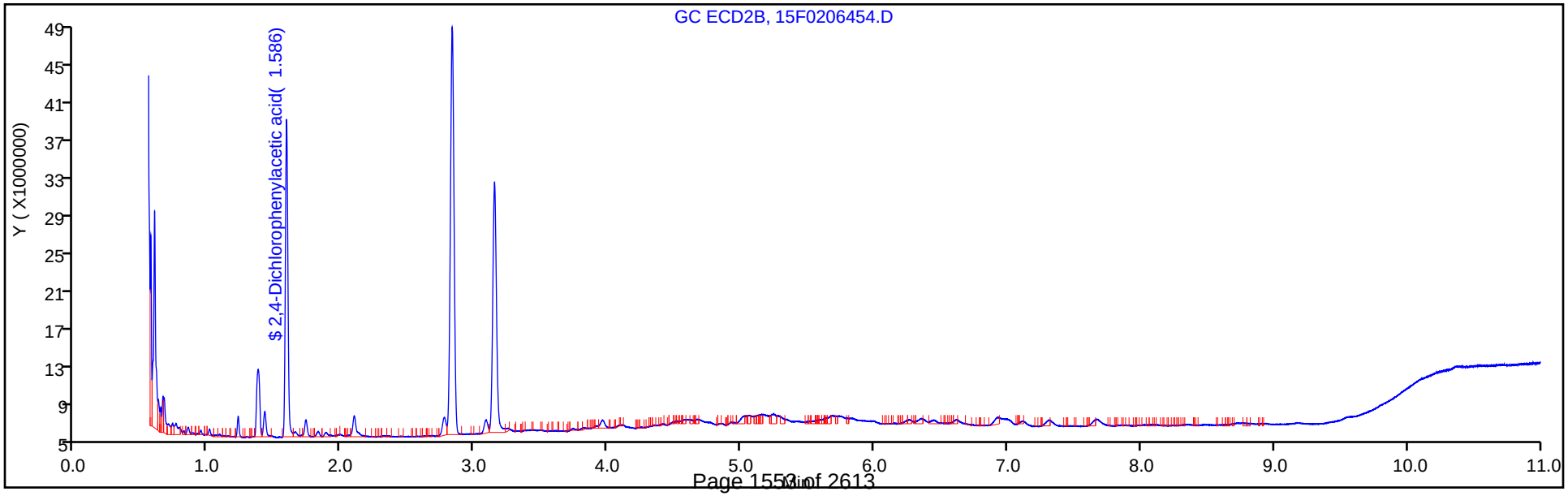
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D

Injection Date:	14-May-2024 08:39:32	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-4-E	Lab Sample ID:	460-303610-4	Worklist Smp#:	10
Client ID:	PL-C-2W-20240508-1.7-7.4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D				
Lims ID:	460-303610-E-4-E				
Client ID:	PL-C-2W-20240508-1.7-7.4				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:39:32	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-010				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 08:56:26		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	252.7	25.27

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	245.3	24.53

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D

Injection Date: 14-May-2024 08:39:32 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-4-E Lab Sample ID: 460-303610-4

Client ID: PL-C-2W-20240508-1.7-7.4

Operator ID: ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

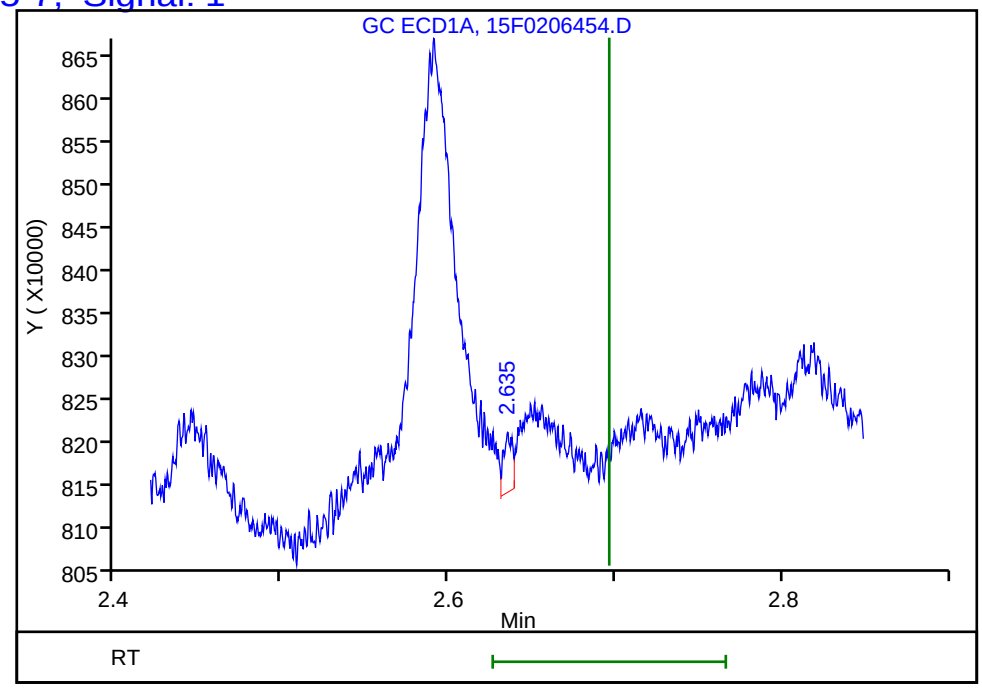
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

RT: 2.64

Response: 24356

Amount: 0.088646



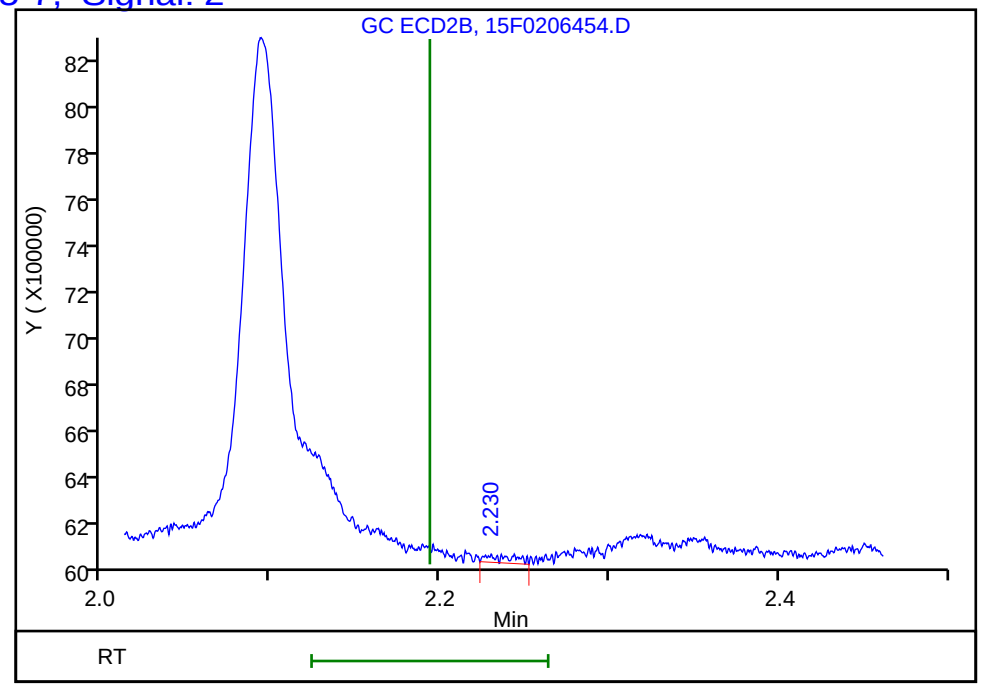
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 2.23

Response: 26289

Amount: 0.127930



Reviewer: SE1K, 14-May-2024 08:56:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D

Injection Date: 14-May-2024 08:39:32 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-4-E Lab Sample ID: 460-303610-4

Client ID: PL-C-2W-20240508-1.7-7.4

Operator ID: ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

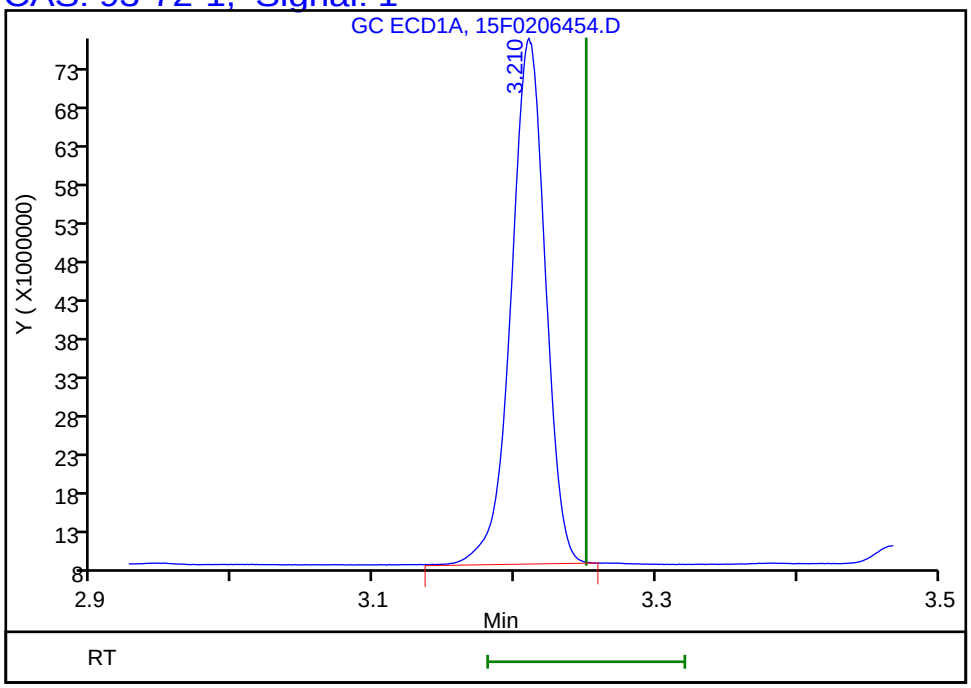
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 116003218

Amount: 94.762057



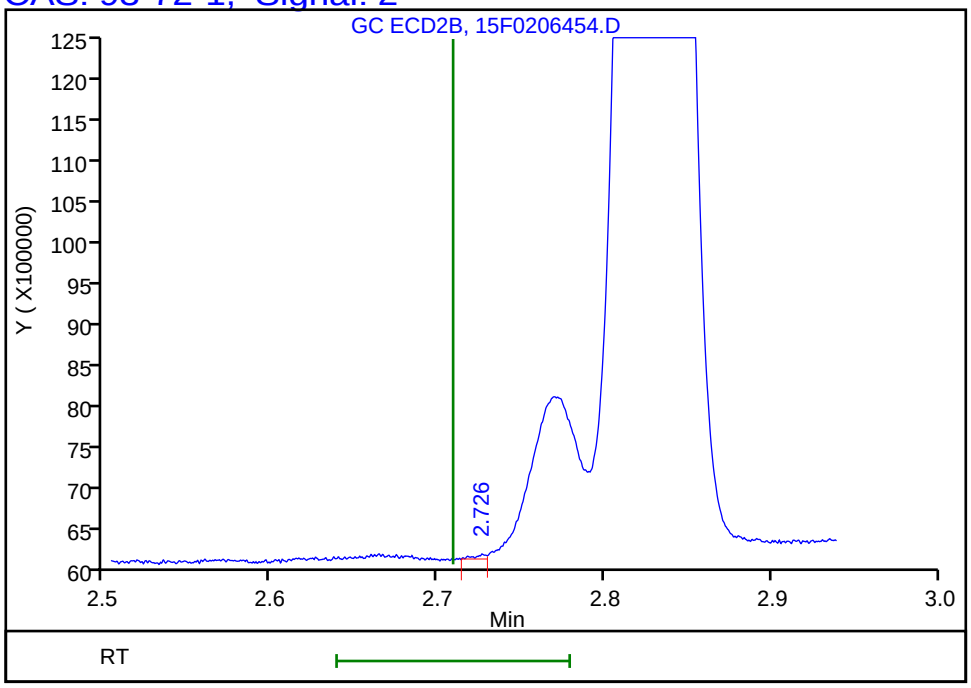
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.73

Response: 26595

Amount: 0.028293



Reviewer: SE1K, 14-May-2024 08:56:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-2W-20240508-1.7-7.4 | Lab Sample ID: 460-303610-4

Matrix: Solid (TCLP) | Lab File ID: 15F0206454.D

Analysis Method: 8151A | Date Collected: 05/08/2024 10:10

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 08:39

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	5.0	U	83	5.0
93-72-1	Silvex (2,4,5-TP)	4.0	U	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	25		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D				
Lims ID:	460-303610-E-4-E				
Client ID:	PL-C-2W-20240508-1.7-7.4				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:39:32	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-010				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				

First Level Reviewer: SE1K Date: 14-May-2024 08:56:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.935	1.932	0.003	58987607	252.7	
2	1.586	1.584	0.002	43917099	245.3	
					RPD = 2.96	

QC Flag Legend

Processing Flags

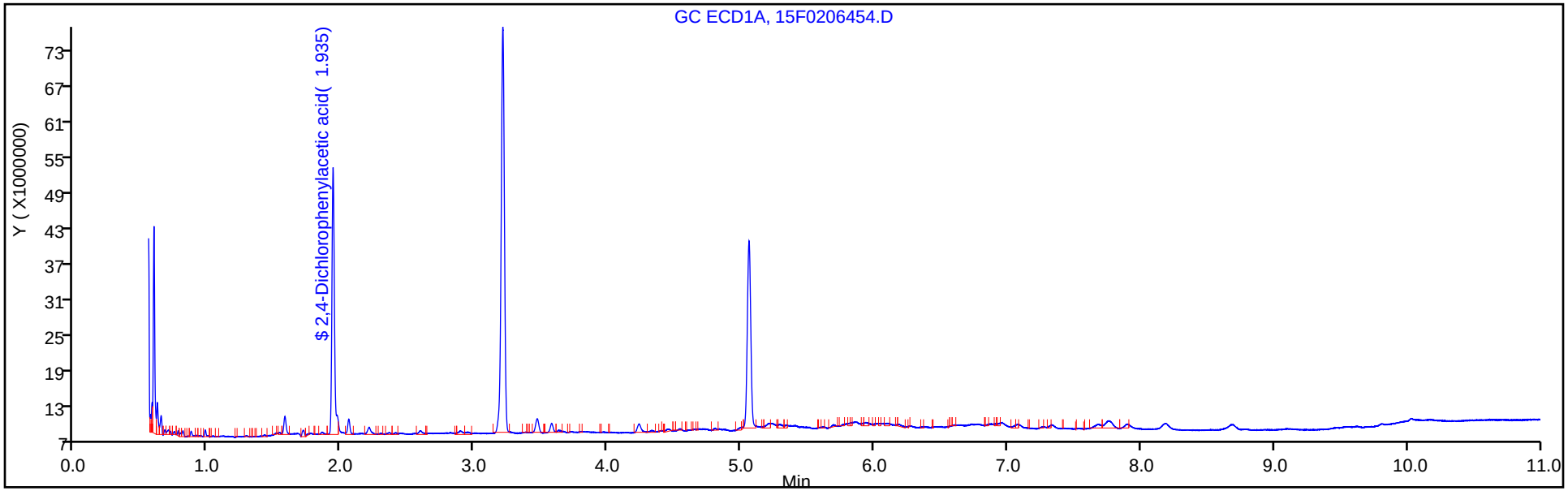
Report Date: 16-May-2024 13:18:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

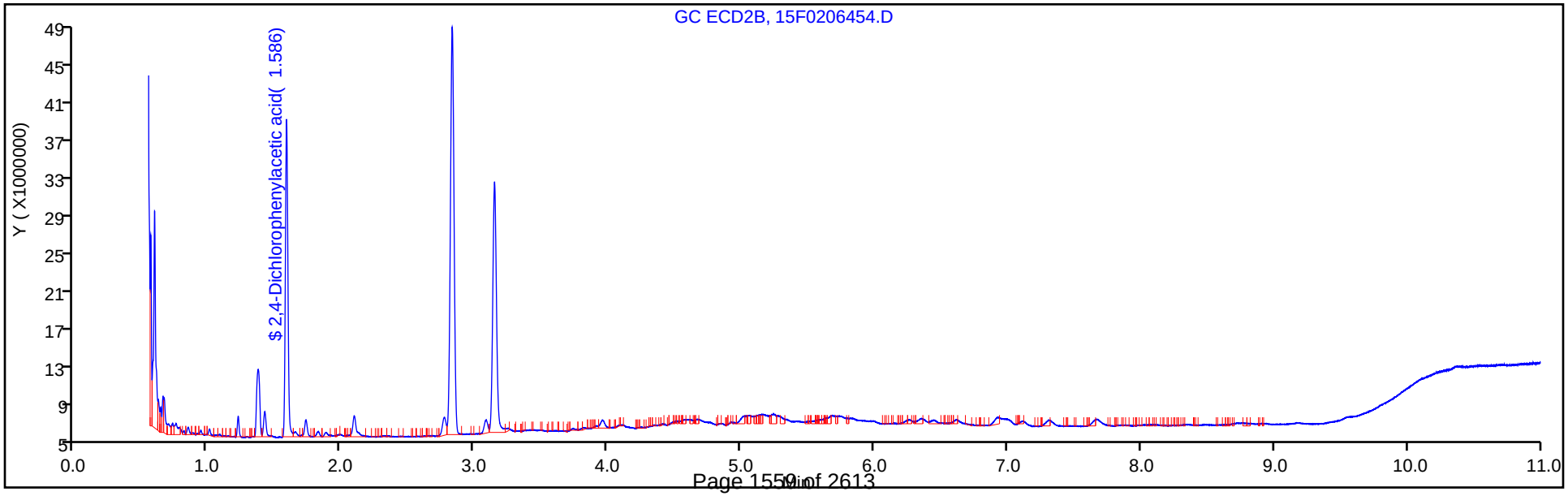
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D

Injection Date:	14-May-2024 08:39:32	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-4-E	Lab Sample ID:	460-303610-4	Worklist Smp#:	10
Client ID:	PL-C-2W-20240508-1.7-7.4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D				
Lims ID:	460-303610-E-4-E				
Client ID:	PL-C-2W-20240508-1.7-7.4				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:39:32	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-010				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 08:56:26		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	252.7	25.27

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	245.3	24.53

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D

Injection Date: 14-May-2024 08:39:32 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-4-E Lab Sample ID: 460-303610-4

Client ID: PL-C-2W-20240508-1.7-7.4

Operator ID: ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

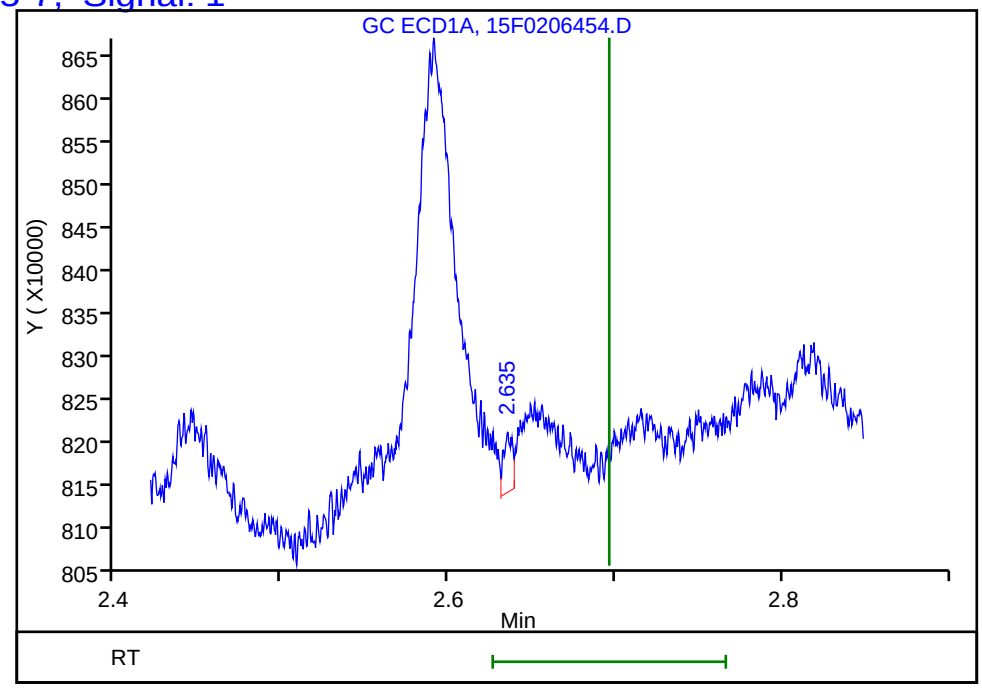
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

RT: 2.64

Response: 24356

Amount: 0.088646



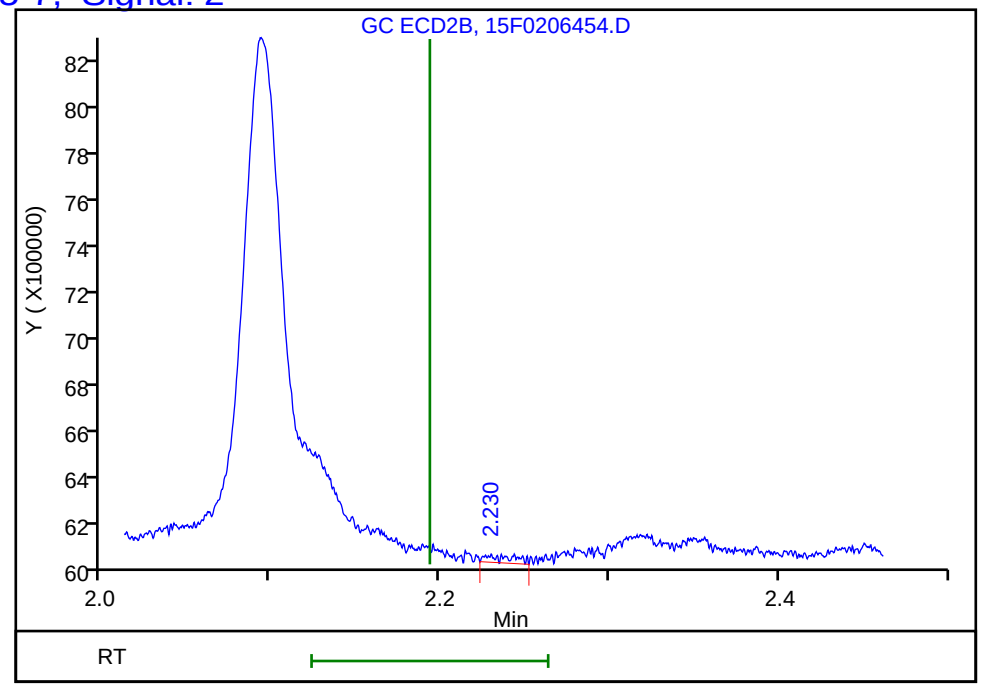
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 2.23

Response: 26289

Amount: 0.127930



Reviewer: SE1K, 14-May-2024 08:56:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206454.D

Injection Date: 14-May-2024 08:39:32 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-4-E Lab Sample ID: 460-303610-4

Client ID: PL-C-2W-20240508-1.7-7.4

Operator ID: ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

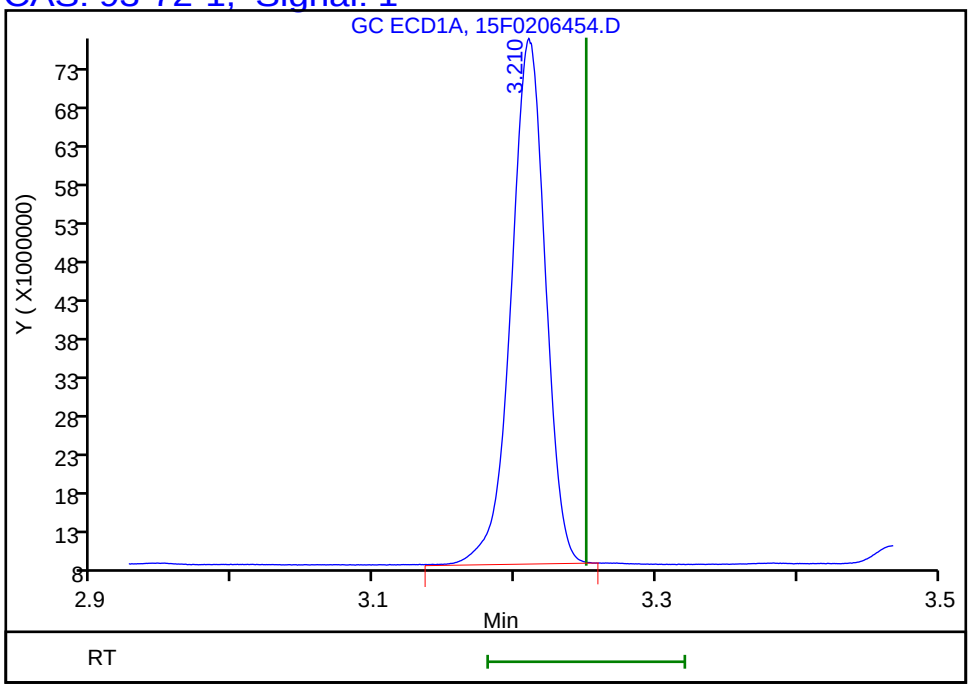
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 116003218

Amount: 94.762057



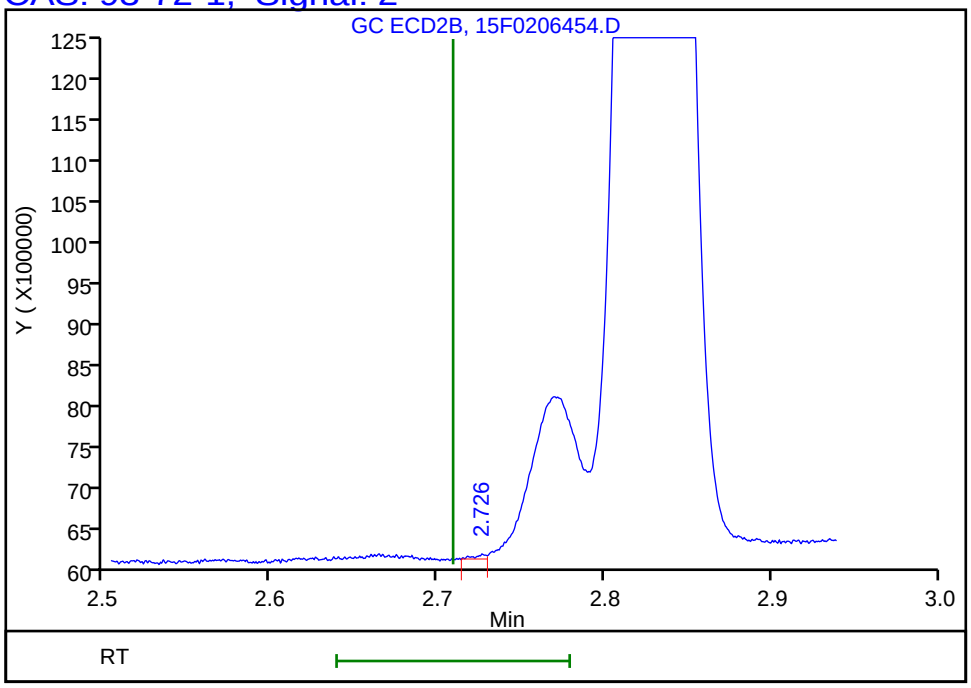
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.73

Response: 26595

Amount: 0.028293



Reviewer: SE1K, 14-May-2024 08:56:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-3W-20240508-0.85-3.2 | Lab Sample ID: 460-303610-5

Matrix: Solid (TCLP) | Lab File ID: 15F0206455.D

Analysis Method: 8151A | Date Collected: 05/08/2024 08:50

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 08:52

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	27		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D				
Lims ID:	460-303610-E-5-E				
Client ID:	PL-C-3W-20240508-0.85-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:52:59	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-011				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				

First Level Reviewer: SE1K Date: 14-May-2024 09:12:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.934	1.932	0.002	64110281	274.6	
2	1.586	1.584	0.002	46447097	259.4	
					RPD = 5.69	

QC Flag Legend

Processing Flags

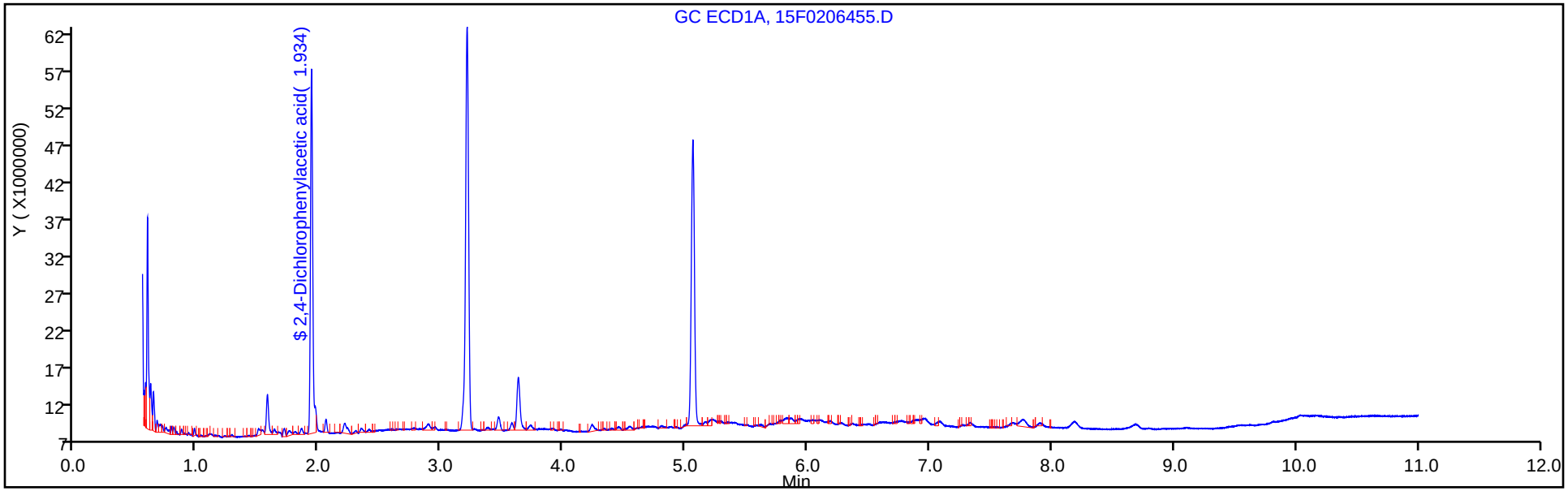
Report Date: 16-May-2024 13:18:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

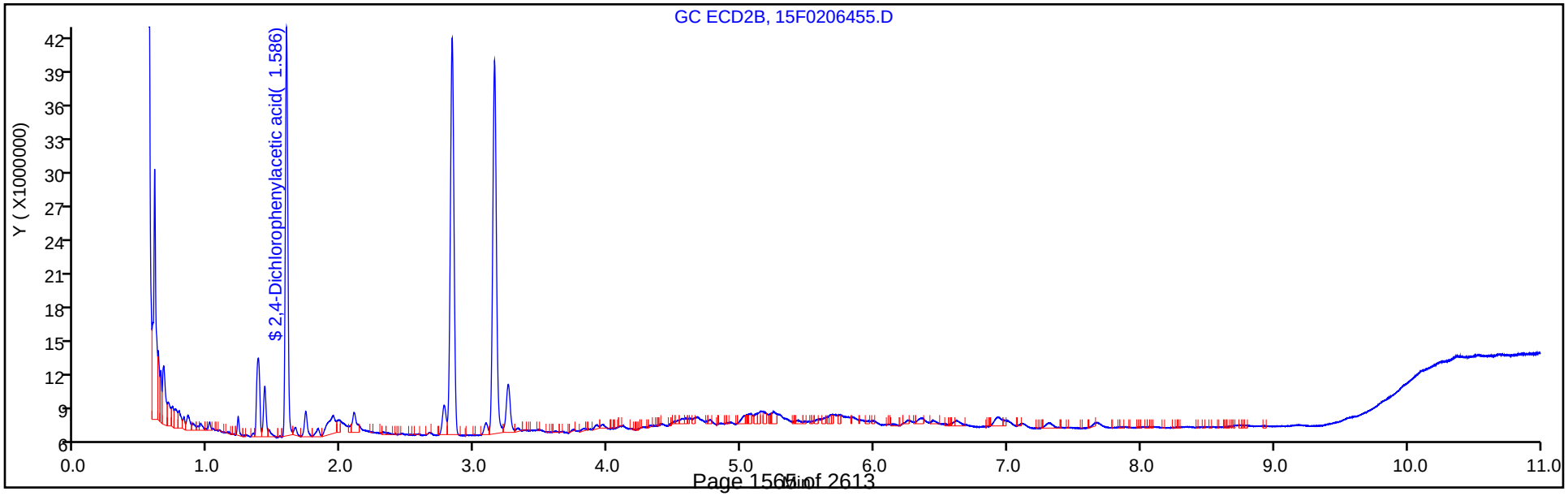
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D

Injection Date:	14-May-2024 08:52:59	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-5-E	Lab Sample ID:	460-303610-5	Worklist Smp#:	11
Client ID:	PL-C-3W-20240508-0.85-3.2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D				
Lims ID:	460-303610-E-5-E				
Client ID:	PL-C-3W-20240508-0.85-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:52:59	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-011				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 09:12:13		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	274.6	27.46

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	259.4	25.94

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D

Injection Date: 14-May-2024 08:52:59 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-5-E Lab Sample ID: 460-303610-5

Client ID: PL-C-3W-20240508-0.85-3.2

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

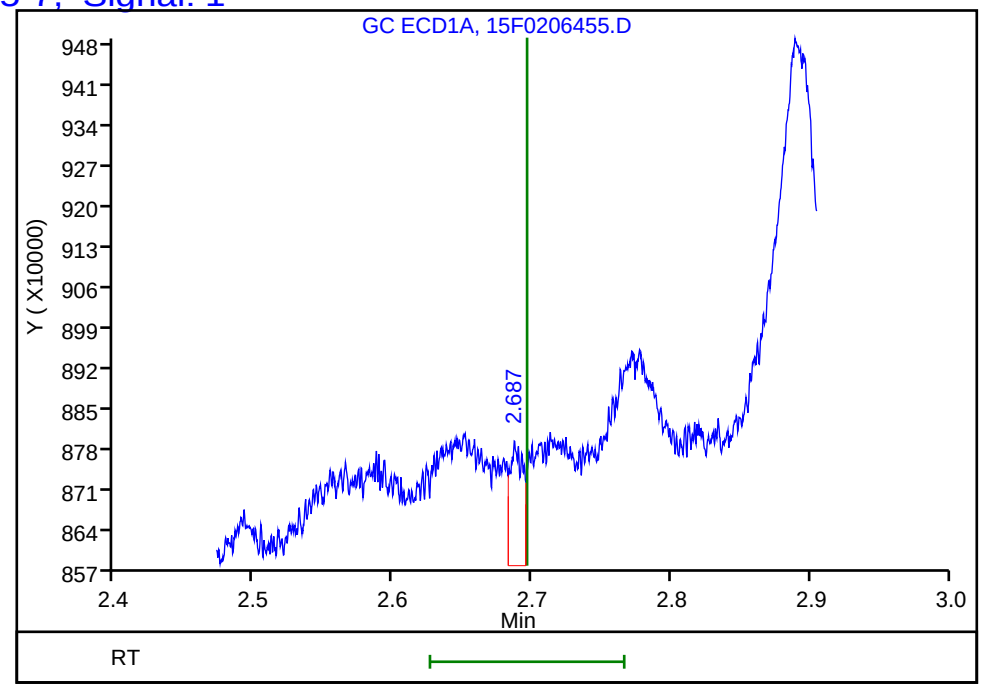
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

RT: 2.69

Response: 134651

Amount: 0.490074



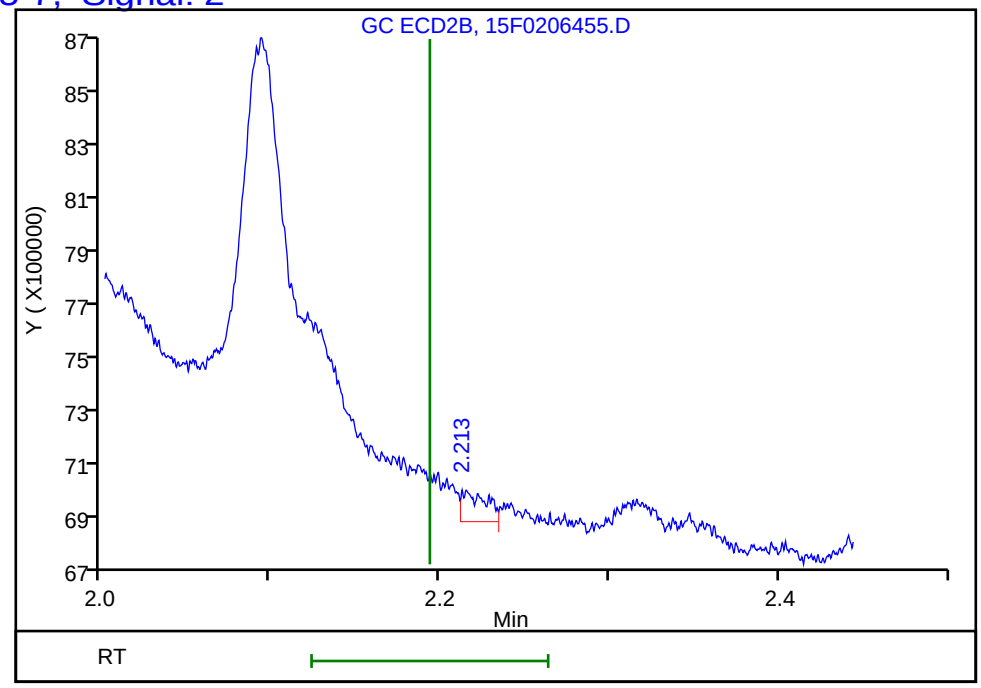
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 2.21

Response: 105632

Amount: 0.514037



Reviewer: SE1K, 14-May-2024 09:12:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D

Injection Date: 14-May-2024 08:52:59 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-5-E Lab Sample ID: 460-303610-5

Client ID: PL-C-3W-20240508-0.85-3.2

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

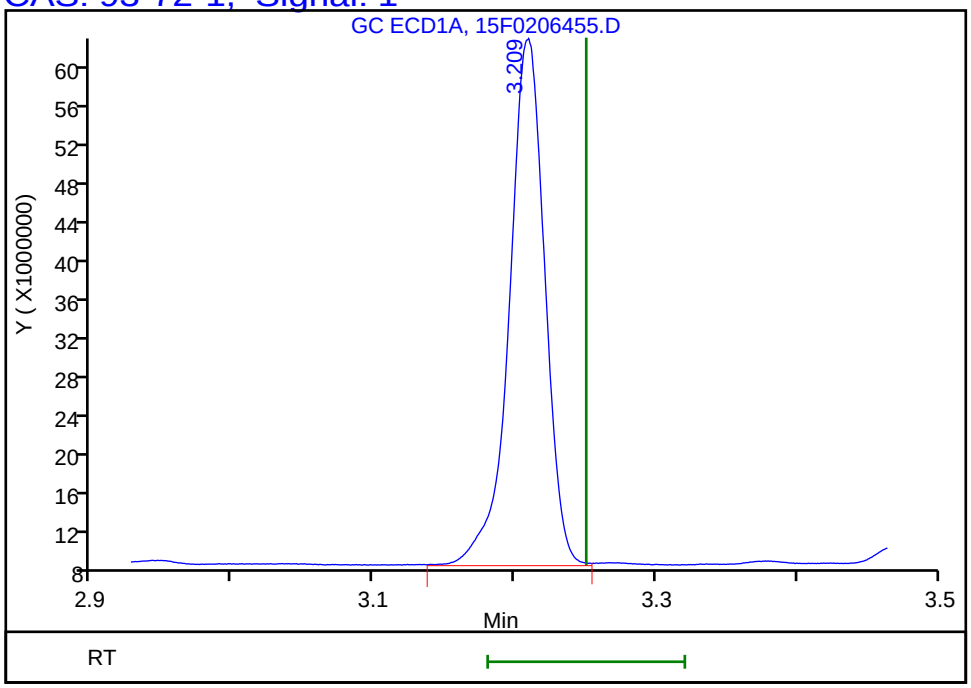
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 94816441

Amount: 77.454756



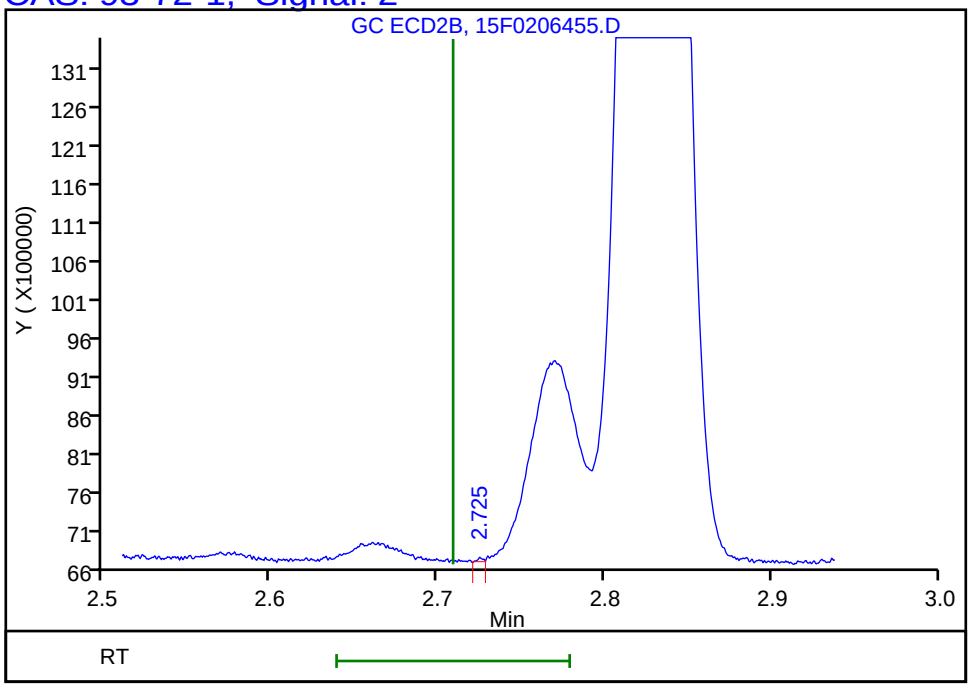
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.72

Response: 16681

Amount: 0.017746



Reviewer: SE1K, 14-May-2024 09:12:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: PL-C-3W-20240508-0.85-3.2 | Lab Sample ID: 460-303610-5

Matrix: Solid (TCLP) | Lab File ID: 15F0206455.D

Analysis Method: 8151A | Date Collected: 05/08/2024 08:50

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 08:52

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	5.0	U	83	5.0
93-72-1	Silvex (2,4,5-TP)	4.0	U	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	26		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D				
Lims ID:	460-303610-E-5-E				
Client ID:	PL-C-3W-20240508-0.85-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:52:59	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-011				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				

First Level Reviewer: SE1K Date: 14-May-2024 09:12:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	1.934	1.932	0.002	64110281	274.6	
2	1.586	1.584	0.002	46447097	259.4	
					RPD = 5.69	

QC Flag Legend

Processing Flags

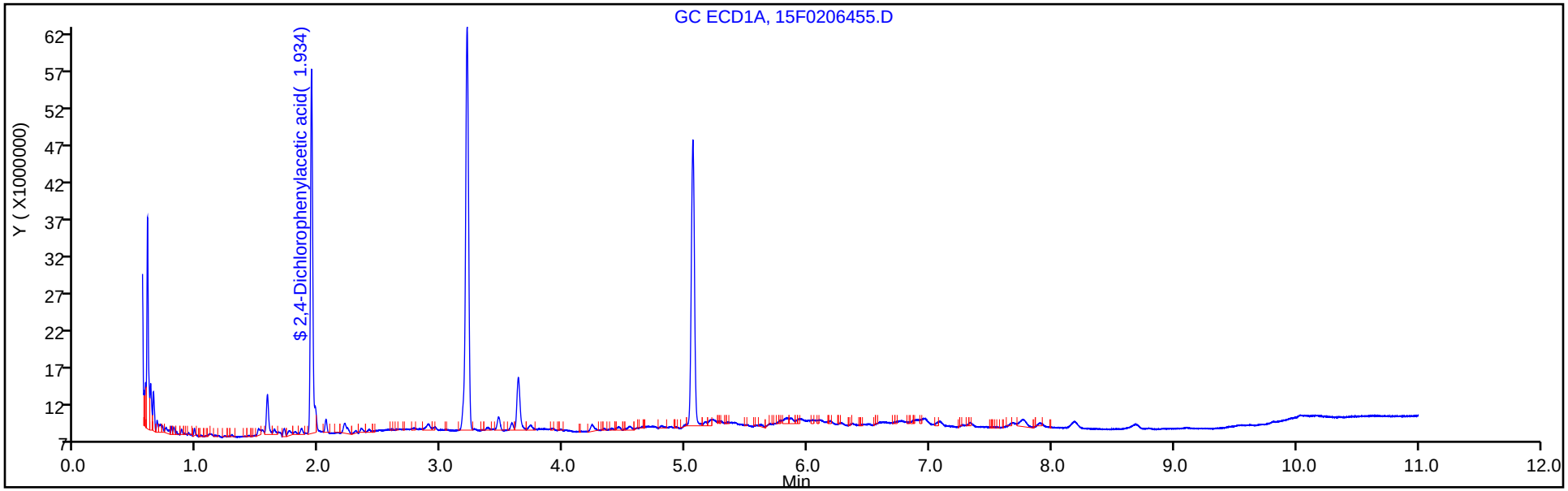
Report Date: 16-May-2024 13:18:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

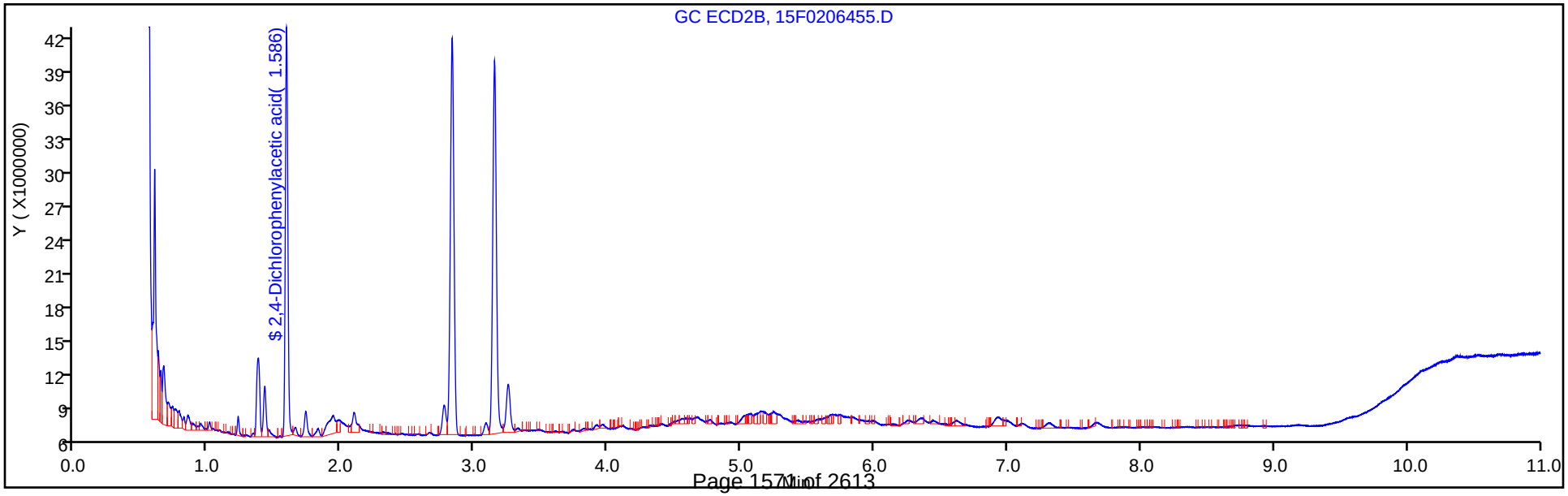
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D

Injection Date:	14-May-2024 08:52:59	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	460-303610-E-5-E	Lab Sample ID:	460-303610-5	Worklist Smp#:	11
Client ID:	PL-C-3W-20240508-0.85-3.2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 16-May-2024 13:18:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D				
Lims ID:	460-303610-E-5-E				
Client ID:	PL-C-3W-20240508-0.85-3.2				
Sample Type:	Client				
Inject. Date:	14-May-2024 08:52:59	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-011				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:27:22	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1667				
First Level Reviewer: SE1K		Date:	14-May-2024 09:12:13		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	274.6	27.46

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	259.4	25.94

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D

Injection Date: 14-May-2024 08:52:59 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-5-E Lab Sample ID: 460-303610-5

Client ID: PL-C-3W-20240508-0.85-3.2

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

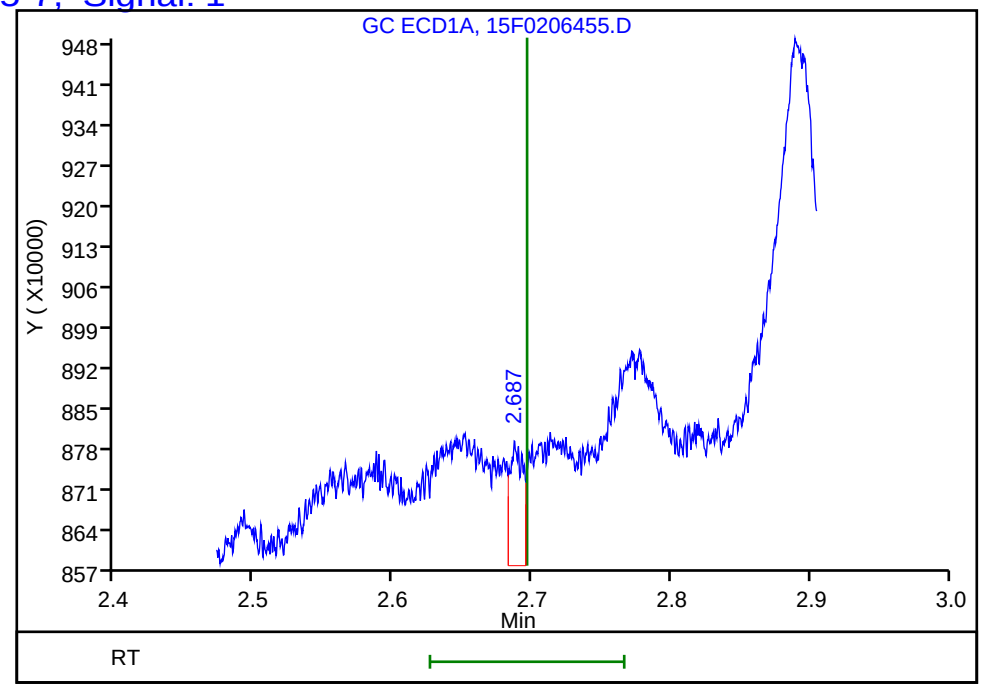
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

RT: 2.69

Response: 134651

Amount: 0.490074



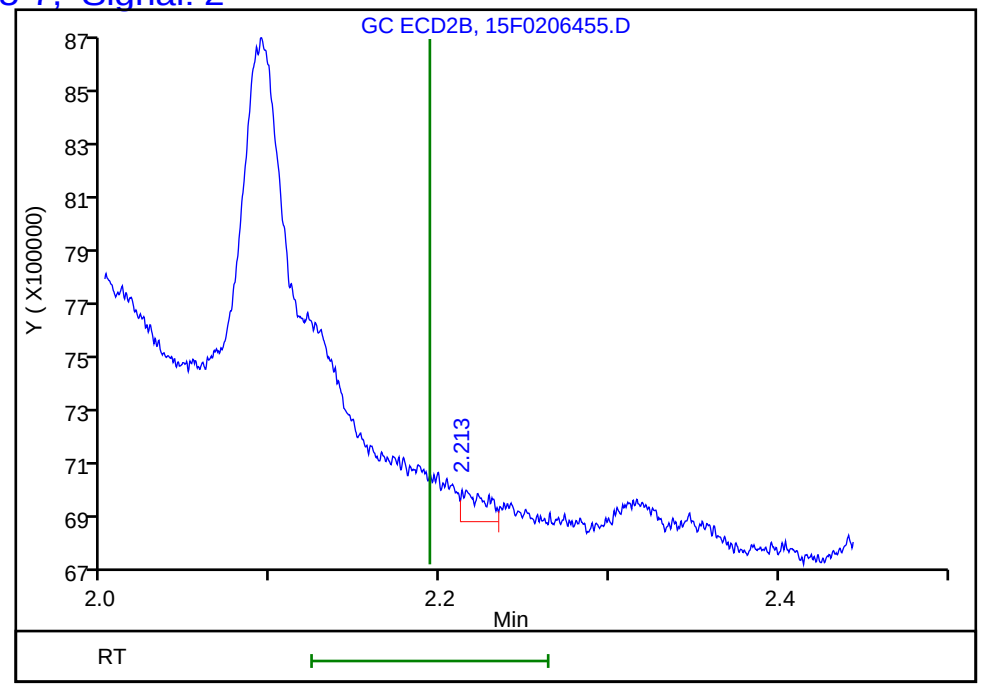
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 2.21

Response: 105632

Amount: 0.514037



Reviewer: SE1K, 14-May-2024 09:12:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206455.D

Injection Date: 14-May-2024 08:52:59 Instrument ID: CPESTGC15

Lims ID: 460-303610-E-5-E Lab Sample ID: 460-303610-5

Client ID: PL-C-3W-20240508-0.85-3.2

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

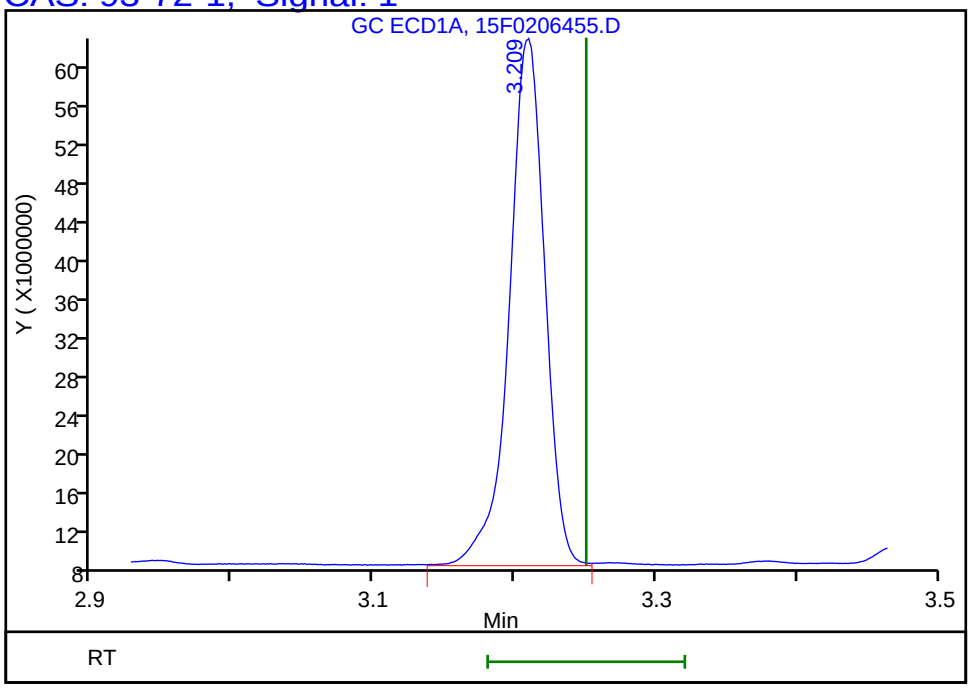
Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

RT: 3.21

Response: 94816441

Amount: 77.454756



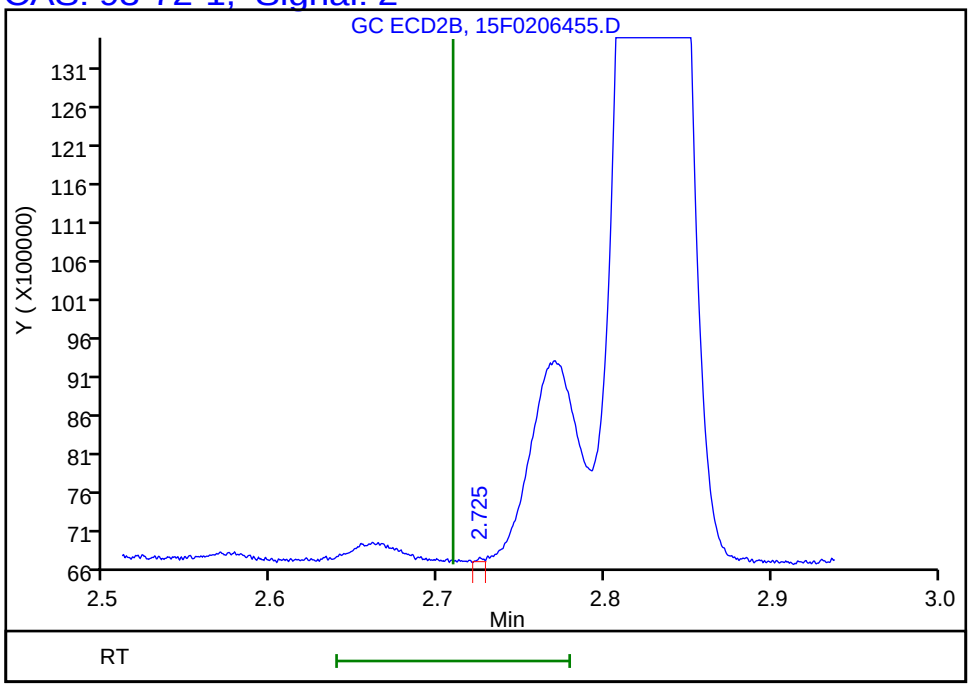
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.72

Response: 16681

Amount: 0.017746



Reviewer: SE1K, 14-May-2024 09:12:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 974303

SDG No.:

Instrument ID: CPESTGC15 | GC Column: DB-5 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2024 09:04 | Calibration End Date: 05/11/2024 10:11 | Calibration ID: 97126

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-974303/2	15F0206399.D
Level 2	IC 460-974303/3	15F0206400.D
Level 3	IC 460-974303/4	15F0206401.D
Level 4	IC 460-974303/5	15F0206402.D
Level 5	IC 460-974303/6	15F0206403.D
Level 6	IC 460-974303/7	15F0206404.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	0.576	0.576	0.576	0.576	0.576	0.576					0.506 - 0.646	0.576
Dicamba	2.053	2.043	2.043	2.044	2.043	2.043					1.974 - 2.114	2.045
Mecoprop	2.127	2.115	2.114	2.116	2.115	2.115					2.046 - 2.186	2.117
MCPA	2.278	2.266	2.265	2.267	2.266	2.266					2.197 - 2.337	2.268
Dichlorprop	2.498	2.486	2.486	2.487	2.486	2.485					2.417 - 2.557	2.488
2,4-D	2.710	2.699	2.698	2.699	2.699	2.698					2.629 - 2.769	2.701
Pentachlorophenol	2.944	2.933	2.933	2.934	2.933	2.934					2.864 - 3.004	2.935
Silvex (2,4,5-TP)	3.264	3.254	3.254	3.254	3.253	3.253					3.184 - 3.324	3.255
2,4,5-T	3.541	3.530	3.530	3.532	3.529	3.531					3.462 - 3.602	3.532
2,4-DB	3.909	3.898	3.897	3.898	3.897	3.897					3.828 - 3.968	3.899
Dinoseb	4.103	4.092	4.092	4.093	4.092	4.093					4.023 - 4.163	4.094
Picloram	4.812	4.802	4.801	4.803	4.801	4.801					4.733 - 4.873	4.803
2,4-Dichlorophenylacetic acid	1.944	1.935	1.934	1.935	1.933	1.934					1.865 - 2.005	1.936

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-303610-1 Analy Batch No.: 974303

SDG No.:

Instrument ID: CPESTGC15 GC Column: DB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2024 09:04 Calibration End Date: 05/11/2024 10:11 Calibration ID: 97126

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-974303/2	15F0206399.D
Level 2	IC 460-974303/3	15F0206400.D
Level 3	IC 460-974303/4	15F0206401.D
Level 4	IC 460-974303/5	15F0206402.D
Level 5	IC 460-974303/6	15F0206403.D
Level 6	IC 460-974303/7	15F0206404.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	243877 245696	260046 235960	257586	253884	Ave		249507.922				3.7		20.0			
Dicamba	849634 796986	850496 754855	844198	784459	Ave		813437.973				5.0		20.0			
Mecoprop	418.82 720.53	575.62 693.72	629.18	664.47	Ave		617.059265				17.8		20.0			
MCPA	963.27 1052.7	1075.8 992.22	1125.9	1039.1	Ave		1041.47331				5.6		20.0			
Dichlorprop	247915 232992	246332 222351	246594	234180	Ave		238393.900				4.3		20.0			
2,4-D	297405 263064	296132 241879	297164	252896	Ave		274756.599				9.2		20.0			
Pentachlorophenol	3349267 3649484	3542302 3552565	3616125	3551521	Ave		3543543.91				2.9		20.0			
Silvex (2,4,5-TP)	1168627 1218883	1289736 1149154	1319337	1199179	Ave		1224152.60				5.5		20.0			
2,4,5-T	1173474 1305435	1328614 1246780	1360583	1288563	Ave		1283908.08				5.2		20.0			
2,4-DB	158910 168247	169346 164213	172137	162522	Ave		165896.108				2.9		20.0			
Dinoseb	855845 859640	907551 815648	904014	833485	Ave		862697.333				4.3		20.0			
Picloram	1871925 2127478	2066067 2042482	2203831	2085792	Ave		2066262.24				5.4		20.0			
2,4-Dichlorophenylacetic acid	247563 223253	252211 209740	243739	224122	Ave		233437.921				7.2		20.0			

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

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 974303

SDG No.:

Instrument ID: CPESTGC15 | GC Column: DB-5 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2024 09:04 | Calibration End Date: 05/11/2024 10:11 | Calibration ID: 97126

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-974303/2	15F0206399.D
Level 2	IC 460-974303/3	15F0206400.D
Level 3	IC 460-974303/4	15F0206401.D
Level 4	IC 460-974303/5	15F0206402.D
Level 5	IC 460-974303/6	15F0206403.D
Level 6	IC 460-974303/7	15F0206404.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	24387658 235959834	52009215	64396429	126941861	184271704	100 1000	200	250	500	750
Dicamba	Ave	79865575 709563844	159893157	198386514	368695786	561875369	94.0 940	188	235	470	705
Mecoprop	Ave	3899234 64585728	10718078	14644277	30931069	50311201	9310 93100	18620	23275	46550	69825
MCPA	Ave	8987275 92573942	20074055	26260790	48471765	73659825	9330 93300	18660	23325	46650	69975
Dichlorprop	Ave	23303984 209010176	46310332	57949639	110064592	164259133	94.0 940	188	235	470	705
2,4-D	Ave	29443060 239460428	58634145	73548023	125183611	195324849	99.0 990	198	248	495	743
Pentachlorophenol	Ave	151219391 1603983322	319869866	408170061	801755882	1235806407	45.2 452	90.3	113	226	339
Silvex (2,4,5-TP)	Ave	112188215 1103187726	247629218	316640907	575605697	877595987	96.0 960	192	240	480	720
2,4,5-T	Ave	111480072 1184440919	252436669	323138378	612067227	930122333	95.0 950	190	238	475	713
2,4-DB	Ave	15255369 157644847	32514499	41312975	78010775	121137826	96.0 960	192	240	480	720
Dinoseb	Ave	82161155 783022242	174249759	216963474	400072757	618940981	96.0 960	192	240	480	720
Picloram	Ave	78995219 861927512	174376013	232504122	440102066	673346695	42.2 422	84.4	106	211	317
2,4-Dichlorophenylacetic acid	Ave	47284582 400602449	96344512	116385265	214036263	319810618	191 1910	382	478	955	1433

Curve Type Legend:
Ave = Average

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206399.D
Lims ID: IC HERB 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2024 09:04:08 ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-002
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:33 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 09:22:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.576	0.576	0.000	24387658	100.0	97.7	
2	0.583	0.584	-0.001	17052004	100.0	100.4	
						RPD = 2.65	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.944	1.935	0.009	47284582	191.0	202.6	
2	1.586	1.586	0.000	35307735	191.0	197.2	
						RPD = 2.67	
1 Dicamba							
1	2.053	2.044	0.009	79865575	94.0	98.2	
2	1.676	1.676	0.000	57833495	94.0	94.5	
						RPD = 3.86	
9 MCPP							
1	2.127	2.116	0.011	3899234	9310.0	6319.1	
2	1.782	1.781	0.001	6852853	9310.0	8934.0	
						RPD = 34.29	
3 MCPA							
1	2.278	2.267	0.011	8987275	9330.0	8629.4	
2	1.860	1.858	0.002	11110507	9330.0	10282	
						RPD = 17.48	
5 Dichlorprop							
1	2.498	2.487	0.011	23303984	94.0	97.8	
2	2.067	2.065	0.002	17055586	94.0	92.1	
						RPD = 5.94	
8 2,4-D							
1	2.710	2.699	0.011	29443060	99.0	107.2	
2	2.197	2.196	0.001	19698286	99.0	95.9	
						RPD = 11.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.944	2.934	0.010	151219391	45.2	42.7	
2	2.316	2.315	0.001	109896152	45.2	41.4	
						RPD = 2.92	
2 Silvex (2,4,5-TP)							
1	3.264	3.254	0.010	112188215	96.0	91.6	
2	2.713	2.712	0.001	83231045	96.0	88.5	
						RPD = 3.44	
4 2,4,5-T							
1	3.541	3.532	0.009	111480072	95.0	86.8	
2	2.888	2.887	0.001	81404504	95.0	85.3	
						RPD = 1.80	
6 2,4-DB							
1	3.909	3.898	0.011	15255369	96.0	92.0	
2	3.246	3.245	0.001	17893546	96.0	91.6	
						RPD = 0.39	
13 Dinoseb							
1	4.103	4.093	0.010	82161155	96.0	95.2	
2	3.946	3.943	0.003	58923830	96.0	94.4	
						RPD = 0.92	
7 Picloram							
1	4.812	4.803	0.009	78995219	42.2	38.2	
2	3.812	3.812	0.000	56630718	42.2	40.2	
						RPD = 5.07	

QC Flag Legend

Processing Flags

Reagents:

SGHERBL1_00005 Amount Added: 1.00 Units: mL

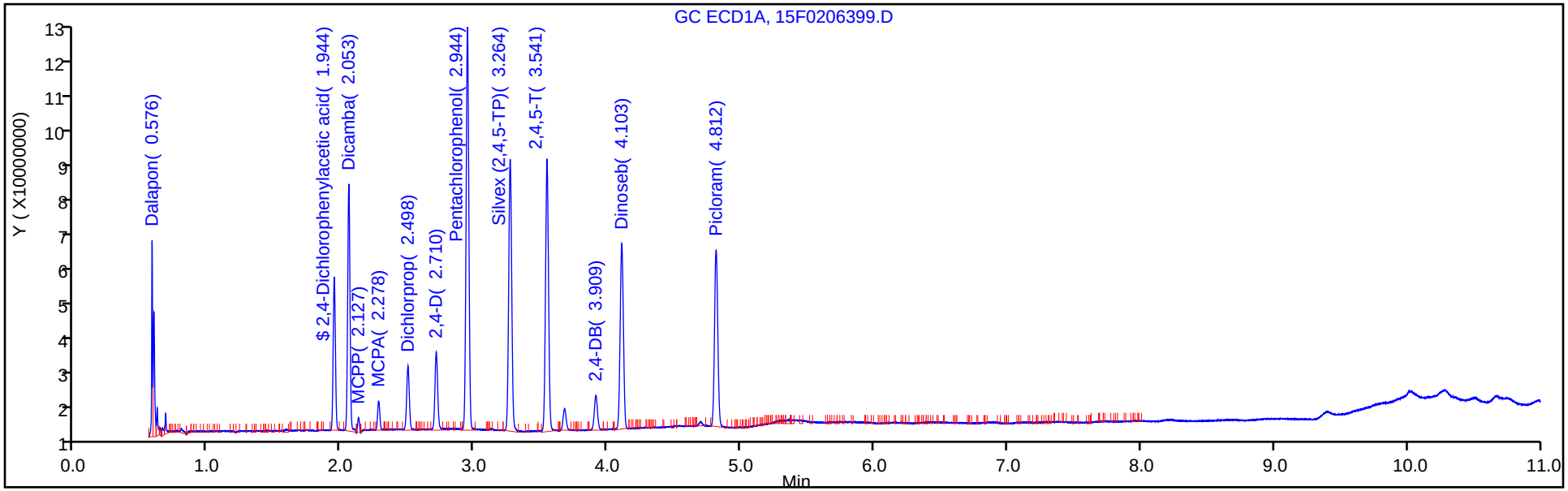
Report Date: 11-May-2024 11:00:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

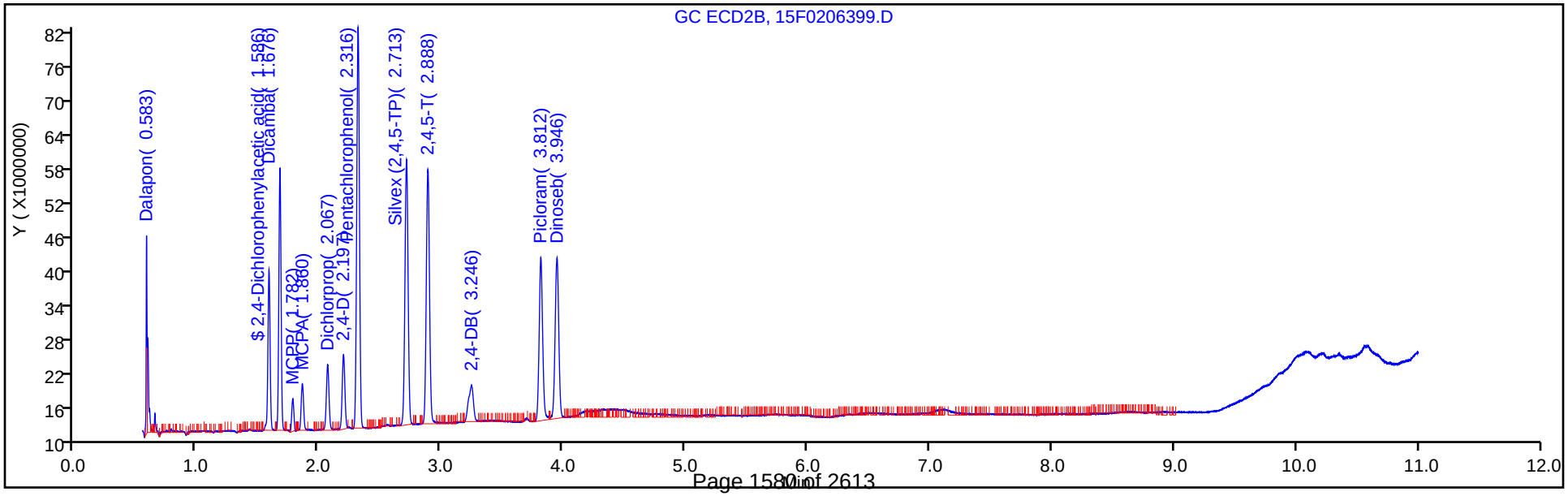
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206399.D

Injection Date:	11-May-2024 09:04:08	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206400.D
Lims ID: IC HERB 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2024 09:17:34 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-003
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:36 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:14:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	52009215	200.0	208.4	
2	0.583	0.584	-0.001	35633733	200.0	209.7	M
						RPD = 0.62	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.935	1.935	0.000	96344512	382.0	412.7	
2	1.585	1.586	-0.001	72666432	382.0	405.9	
						RPD = 1.67	
1 Dicamba							
1	2.043	2.044	-0.001	159893157	188.0	196.6	
2	1.675	1.676	-0.001	121272374	188.0	198.1	
						RPD = 0.78	
9 MCPP							
1	2.115	2.116	-0.001	10718078	18620	17370	
2	1.779	1.781	-0.002	15364520	18620	20030	
						RPD = 14.23	
3 MCPA							
1	2.266	2.267	-0.001	20074055	18660	19275	
2	1.857	1.858	-0.001	22249999	18660	20590	
						RPD = 6.60	
5 Dichlorprop							
1	2.486	2.487	-0.001	46310332	188.0	194.3	
2	2.066	2.065	0.001	35940556	188.0	194.1	
						RPD = 0.08	
8 2,4-D							
1	2.699	2.699	0.000	58634145	198.0	213.4	
2	2.194	2.196	-0.002	44187346	198.0	215.0	
						RPD = 0.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.933	2.934	-0.001	319869866	90.3	90.3	
2	2.314	2.315	-0.001	240716527	90.3	90.8	
						RPD = 0.57	
2 Silvex (2,4,5-TP)							
1	3.254	3.254	0.000	247629218	192.0	202.3	
2	2.711	2.712	-0.001	190310883	192.0	202.5	
						RPD = 0.09	
4 2,4,5-T							
1	3.530	3.532	-0.002	252436669	190.0	196.6	
2	2.886	2.887	-0.001	187607143	190.0	196.5	
						RPD = 0.03	
6 2,4-DB							
1	3.898	3.898	0.000	32514499	192.0	196.0	
2	3.241	3.245	-0.004	40415590	192.0	206.9	
						RPD = 5.41	
13 Dinoseb							
1	4.092	4.093	-0.001	174249759	192.0	202.0	
2	3.942	3.943	-0.001	123604571	192.0	197.9	
						RPD = 2.02	
7 Picloram							
1	4.802	4.803	-0.001	174376013	84.4	84.4	
2	3.811	3.812	-0.001	116715699	84.4	82.9	
						RPD = 1.79	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL2_00008 Amount Added: 1.00 Units: mL

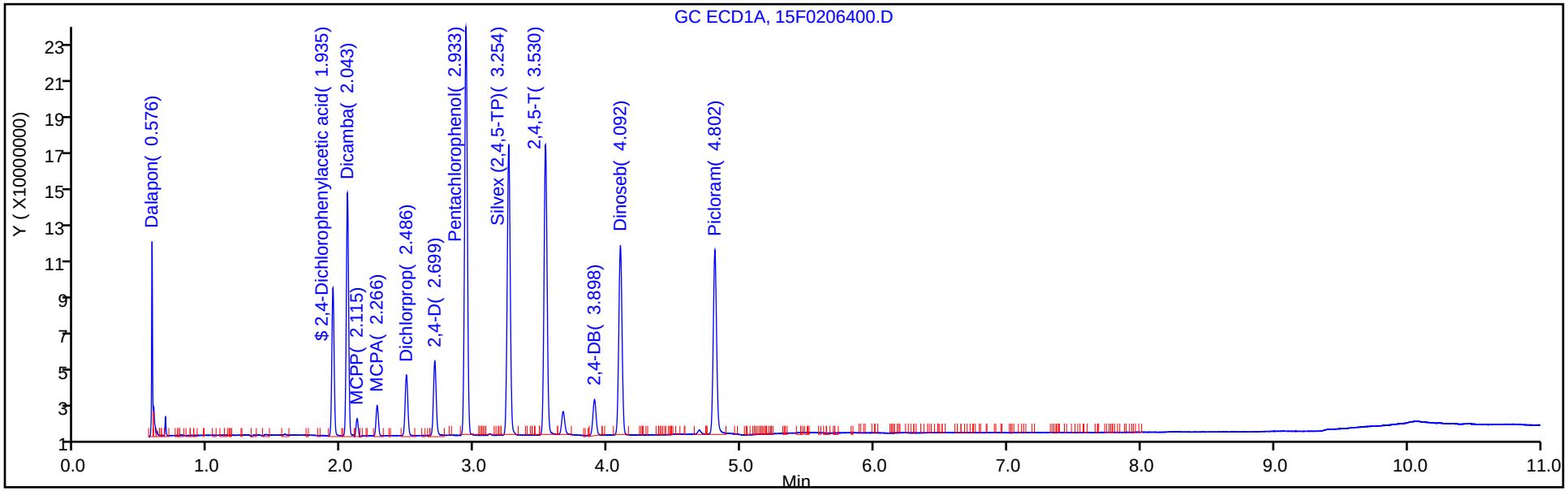
Report Date: 11-May-2024 11:00:36 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

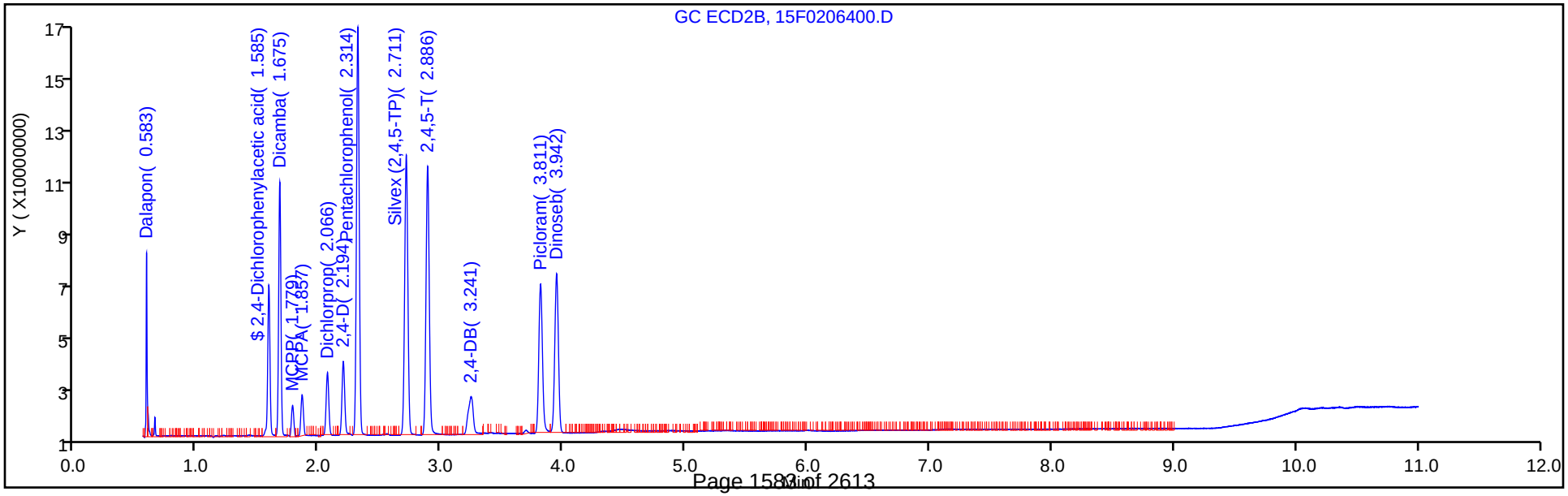
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Injection Date:	11-May-2024 09:17:34	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206401.D
Lims ID: IC HERB 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2024 09:31:02 ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-004
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:39 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:14:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	64396429	250.0	258.1	
2	0.583	0.583	0.000	44988406	250.0	264.8	M
						RPD = 2.56	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.934	1.934	0.000	116385265	477.5	498.6	
2	1.585	1.585	0.000	90462849	477.5	505.3	
						RPD = 1.34	
1 Dicamba							
1	2.043	2.043	0.000	198386514	235.0	243.9	
2	1.675	1.675	0.000	151904733	235.0	248.1	
						RPD = 1.73	
9 MCPP							
1	2.114	2.114	0.000	14644277	23275	23732	
2	1.779	1.779	0.000	19563402	23275	25505	
						RPD = 7.20	
3 MCPA							
1	2.265	2.265	0.000	26260790	23325	25215	
2	1.858	1.858	0.000	27620272	23325	25560	
						RPD = 1.36	
5 Dichlorprop							
1	2.486	2.486	0.000	57949639	235.0	243.1	
2	2.065	2.065	0.000	45660292	235.0	246.6	
						RPD = 1.44	
8 2,4-D							
1	2.698	2.698	0.000	73548023	247.5	267.7	
2	2.195	2.195	0.000	56098851	247.5	273.0	
						RPD = 1.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.933	2.933	0.000	408170061	112.9	115.2	
2	2.314	2.314	0.000	309089265	112.9	116.6	
						RPD = 1.20	
2 Silvex (2,4,5-TP)							
1	3.254	3.254	0.000	316640907	240.0	258.7	
2	2.711	2.711	0.000	242910630	240.0	258.4	
						RPD = 0.09	
4 2,4,5-T							
1	3.530	3.530	0.000	323138378	237.5	251.7	
2	2.885	2.885	0.000	238156939	237.5	249.5	
						RPD = 0.87	
6 2,4-DB							
1	3.897	3.897	0.000	41312975	240.0	249.0	
2	3.243	3.243	0.000	52045314	240.0	266.4	
						RPD = 6.75	
13 Dinoseb							
1	4.092	4.092	0.000	216963474	240.0	251.5	
2	3.942	3.942	0.000	156423825	240.0	250.5	
						RPD = 0.40	
7 Picloram							
1	4.801	4.801	0.000	232504122	105.5	112.5	
2	3.810	3.810	0.000	156090366	105.5	110.9	
						RPD = 1.49	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL3_00004 Amount Added: 1.00 Units: mL

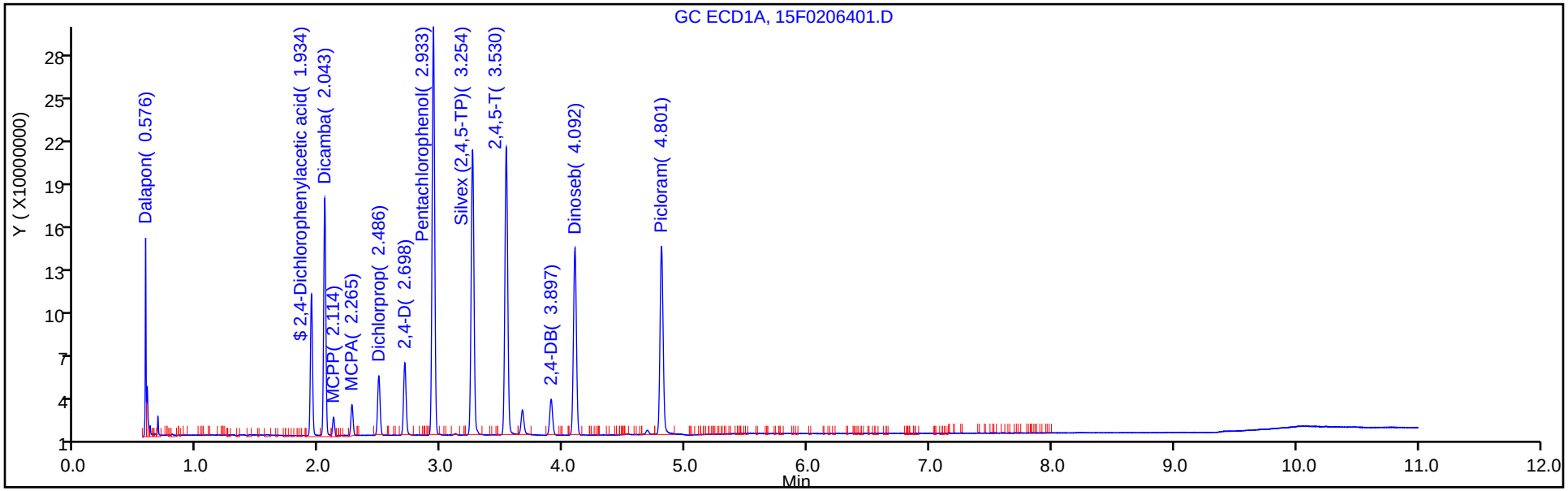
Report Date: 11-May-2024 11:00:40 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

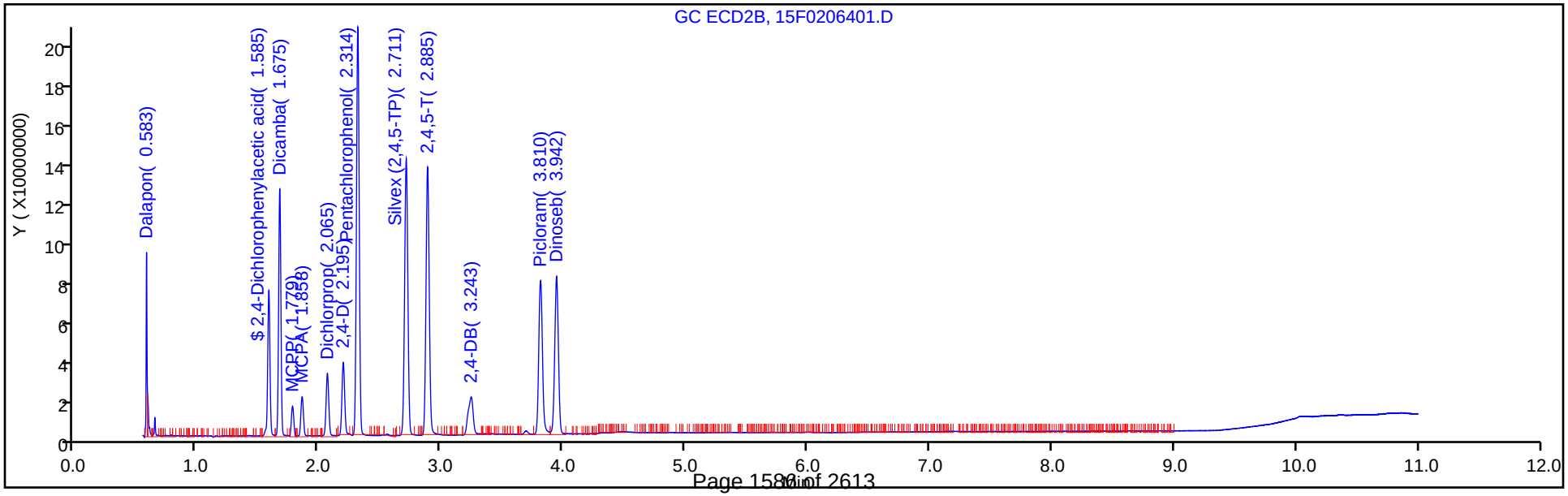
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Injection Date:	11-May-2024 09:31:02	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206402.D
Lims ID: IC HERB 4
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 11-May-2024 09:44:28 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-005
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:43 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:13:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	126941861	500.0	508.8	M
2	0.584	0.584	0.000	86059478	500.0	506.5	M
						RPD = 0.44	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.935	1.935	0.000	214036263	955.0	916.9	
2	1.586	1.586	0.000	165499223	955.0	924.4	
						RPD = 0.82	
1 Dicamba							
1	2.044	2.044	0.000	368695786	470.0	453.3	
2	1.676	1.676	0.000	280546316	470.0	458.3	
						RPD = 1.10	
9 MCPP							
1	2.116	2.116	0.000	30931069	46550	50127	
2	1.781	1.781	0.000	35255159	46550	45962	
						RPD = 8.67	
3 MCPA							
1	2.267	2.267	0.000	48471765	46650	46542	
2	1.858	1.858	0.000	48049120	46650	44465	
						RPD = 4.56	
5 Dichlorprop							
1	2.487	2.487	0.000	110064592	470.0	461.7	
2	2.065	2.065	0.000	87034743	470.0	470.0	
						RPD = 1.79	
8 2,4-D							
1	2.699	2.699	0.000	125183611	495.0	455.6	
2	2.196	2.196	0.000	96551443	495.0	469.8	
						RPD = 3.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.934	2.934	0.000	801755882	225.8	226.3	
2	2.315	2.315	0.000	603295095	225.8	227.5	
						RPD = 0.56	
2 Silvex (2,4,5-TP)							
1	3.254	3.254	0.000	575605697	480.0	470.2	
2	2.712	2.712	0.000	445571213	480.0	474.0	
						RPD = 0.81	
4 2,4,5-T							
1	3.532	3.532	0.000	612067227	475.0	476.7	
2	2.887	2.887	0.000	457190623	475.0	479.0	
						RPD = 0.47	
6 2,4-DB							
1	3.898	3.898	0.000	78010775	480.0	470.2	
2	3.245	3.245	0.000	86533323	480.0	443.0	
						RPD = 5.97	
13 Dinoseb							
1	4.093	4.093	0.000	400072757	480.0	463.7	
2	3.943	3.943	0.000	290193742	480.0	464.7	
						RPD = 0.21	
7 Picloram							
1	4.803	4.803	0.000	440102066	211.0	213.0	
2	3.812	3.812	0.000	298004855	211.0	211.6	
						RPD = 0.63	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL4_00004 Amount Added: 1.00 Units: mL

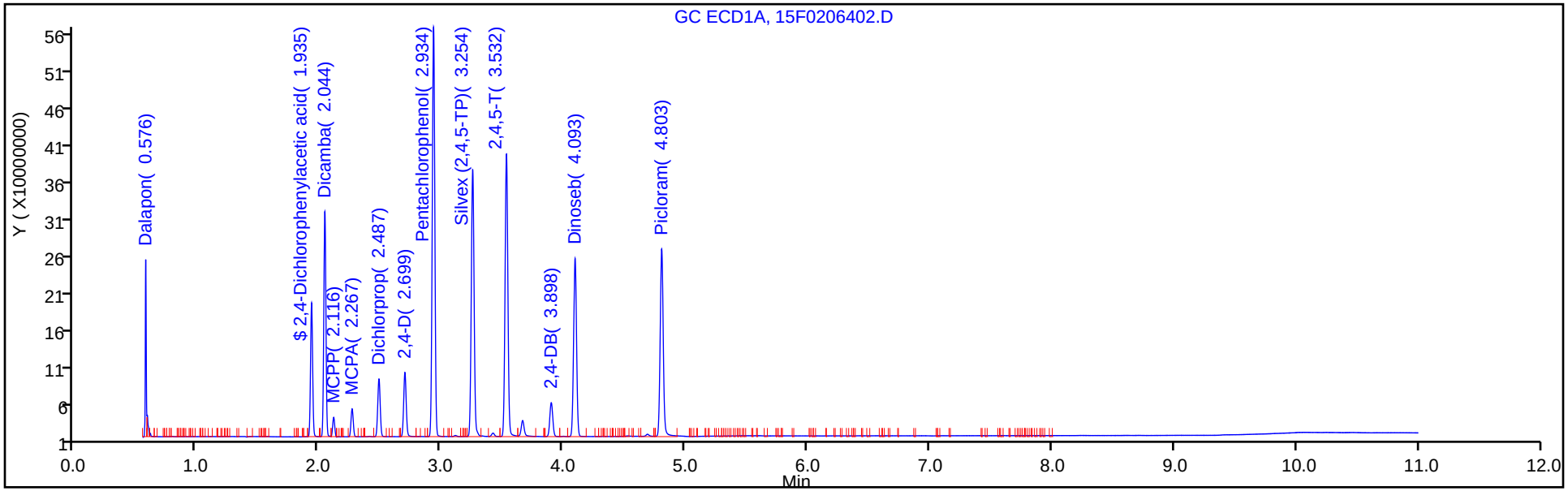
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Eurofins Edison

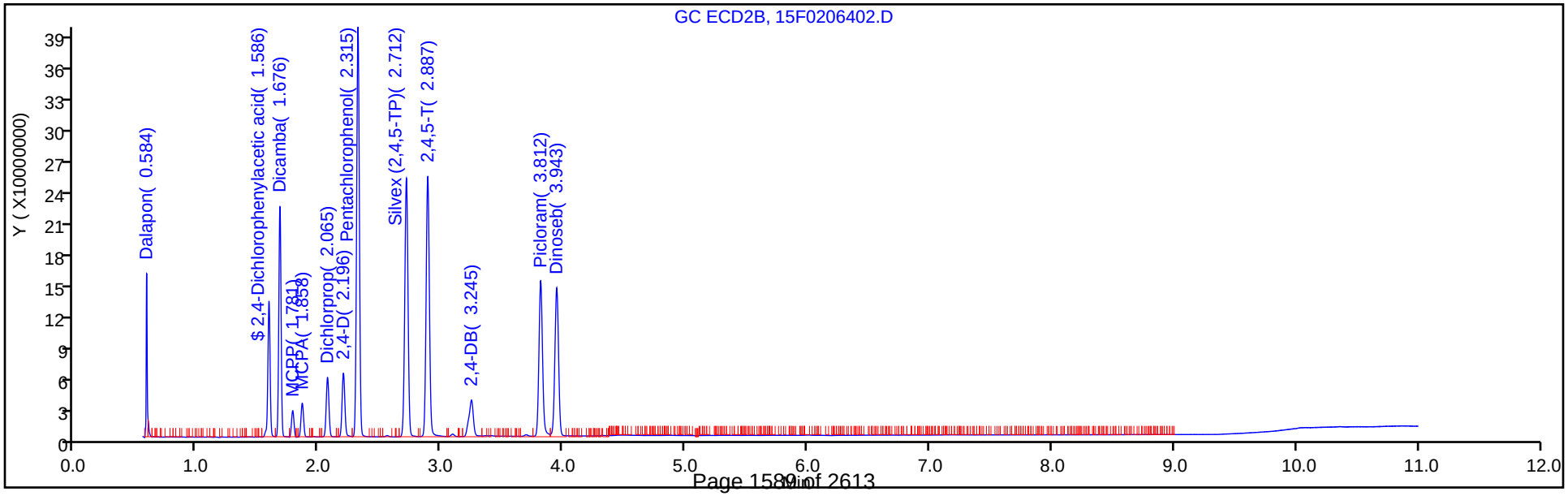
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Injection Date:	11-May-2024 09:44:28	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

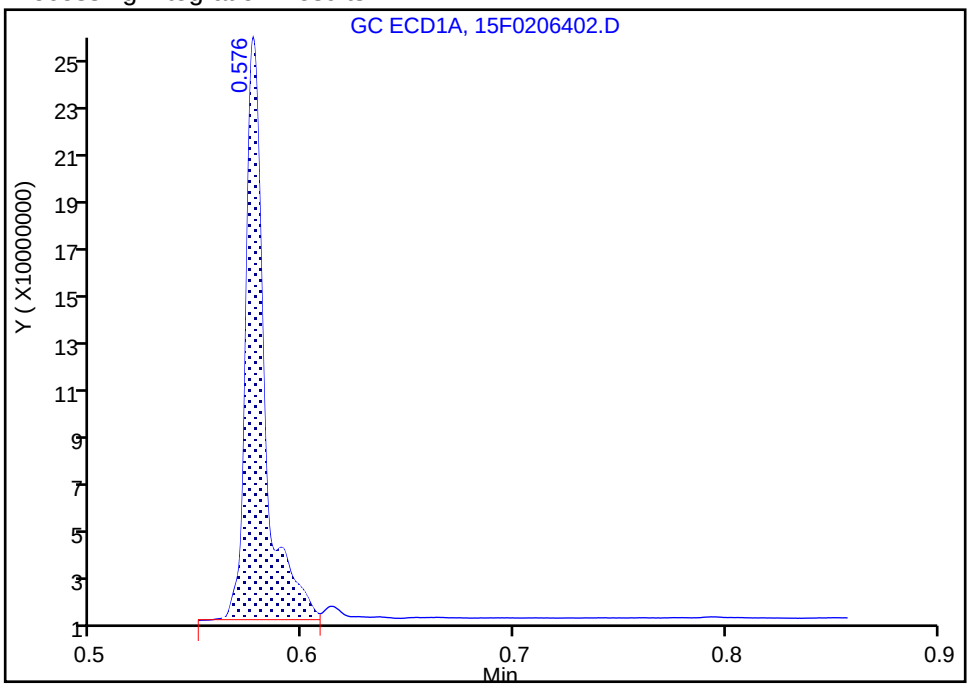
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Injection Date: 11-May-2024 09:44:28 Instrument ID: CPESTGC15
Lims ID: IC HERB 4
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

12 Dalapon, CAS: 75-99-0

Signal: 1

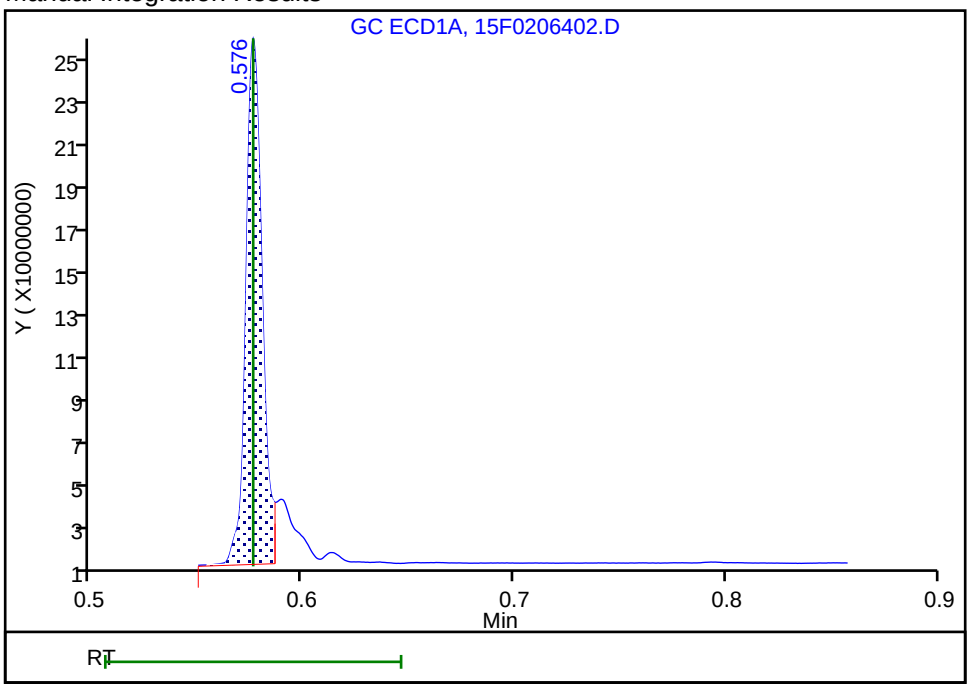
Processing Integration Results

RT: 0.58
Area: 147299596
Amount: 557.7628
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 126941861
Amount: 508.7689
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:15:04 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206403.D
Lims ID: IC HERB 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-May-2024 09:57:51 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-006
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:46 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:14:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	184271704	750.0	738.5	M
2	0.584	0.584	0.000	122673047	750.0	722.0	M
						RPD = 2.26	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.933	1.935	-0.002	319810618	1432.5	1370.0	
2	1.585	1.586	-0.001	247696769	1432.5	1383.6	
						RPD = 0.99	
1 Dicamba							
1	2.043	2.044	-0.001	561875369	705.0	690.7	
2	1.675	1.676	-0.001	423172890	705.0	691.2	
						RPD = 0.07	
9 MCPP							
1	2.115	2.116	-0.001	50311201	69825	81534	
2	1.780	1.781	-0.001	52250256	69825	68118	
						RPD = 17.93	
3 MCPA							
1	2.266	2.267	-0.001	73659825	69975	70727	
2	1.858	1.858	0.000	68785347	69975	63655	
						RPD = 10.53	
5 Dichlorprop							
1	2.486	2.487	-0.001	164259133	705.0	689.0	
2	2.065	2.065	0.000	129530331	705.0	699.6	
						RPD = 1.52	
8 2,4-D							
1	2.699	2.699	0.000	195324849	742.5	710.9	
2	2.195	2.196	-0.001	150507813	742.5	732.4	
						RPD = 2.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.933	2.934	-0.001	1235806407	338.6	348.7	
2	2.315	2.315	0.000	926878337	338.6	349.6	
						RPD = 0.24	
2 Silvex (2,4,5-TP)							
1	3.253	3.254	-0.001	877595987	720.0	716.9	
2	2.711	2.712	-0.001	680632938	720.0	724.1	
						RPD = 1.00	
4 2,4,5-T							
1	3.529	3.532	-0.003	930122333	712.5	724.4	
2	2.885	2.887	-0.002	697484241	712.5	730.7	
						RPD = 0.86	
6 2,4-DB							
1	3.897	3.898	-0.001	121137826	720.0	730.2	
2	3.243	3.245	-0.002	142179622	720.0	727.8	
						RPD = 0.32	
13 Dinoseb							
1	4.092	4.093	-0.001	618940981	720.0	717.4	
2	3.942	3.943	-0.001	454142001	720.0	727.3	
						RPD = 1.36	
7 Picloram							
1	4.801	4.803	-0.002	673346695	316.5	325.9	
2	3.811	3.812	-0.001	457007219	316.5	324.6	
						RPD = 0.40	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL5_00005 Amount Added: 1.00 Units: mL

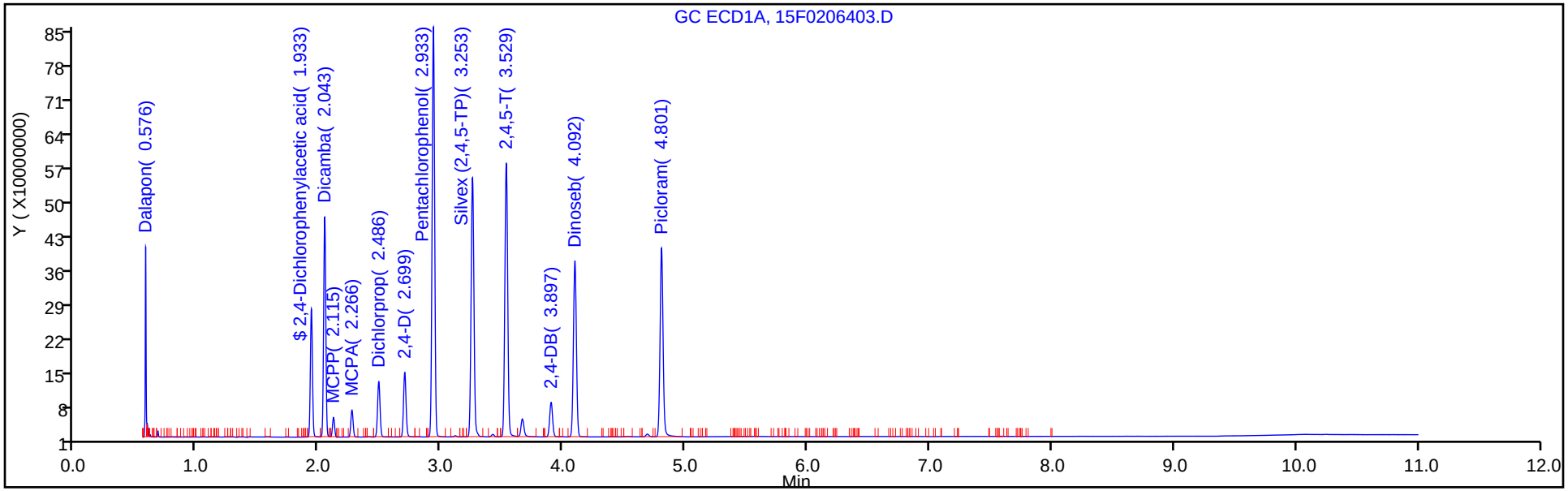
Report Date: 11-May-2024 11:00:46 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

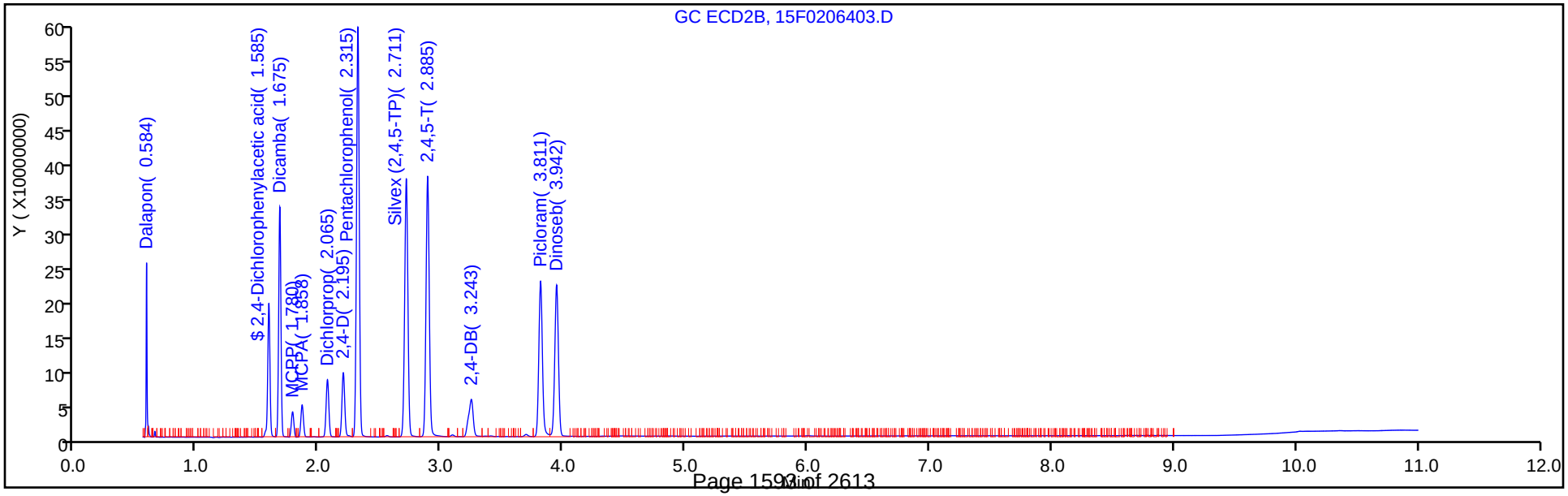
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Injection Date:	11-May-2024 09:57:51	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

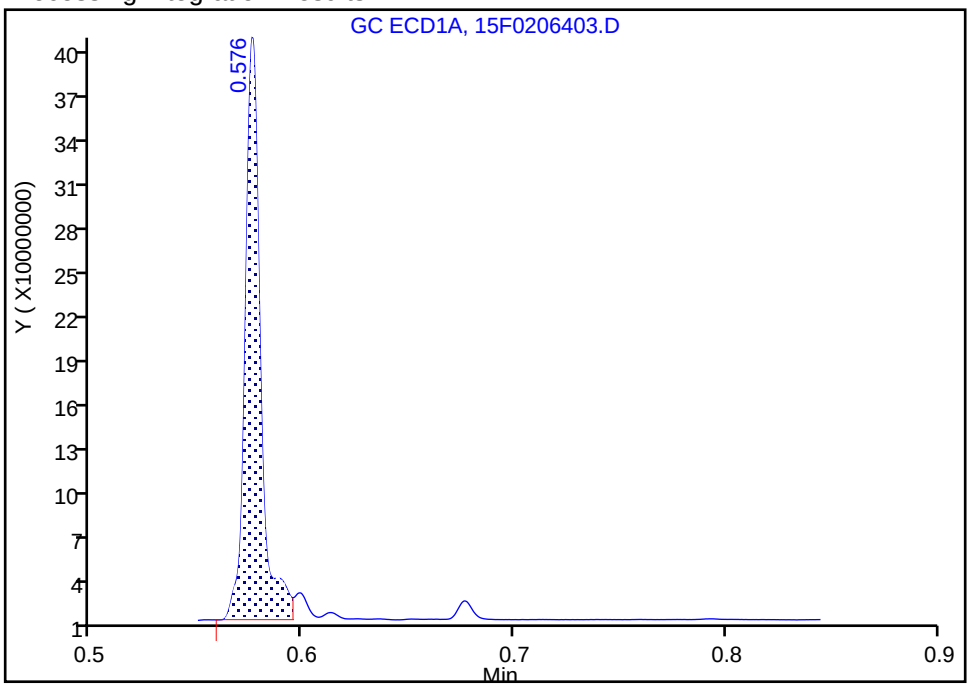
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206403.D
Injection Date: 11-May-2024 09:57:51 Instrument ID: CPESTGC15
Lims ID: IC HERB 5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

12 Dalapon, CAS: 75-99-0

Signal: 1

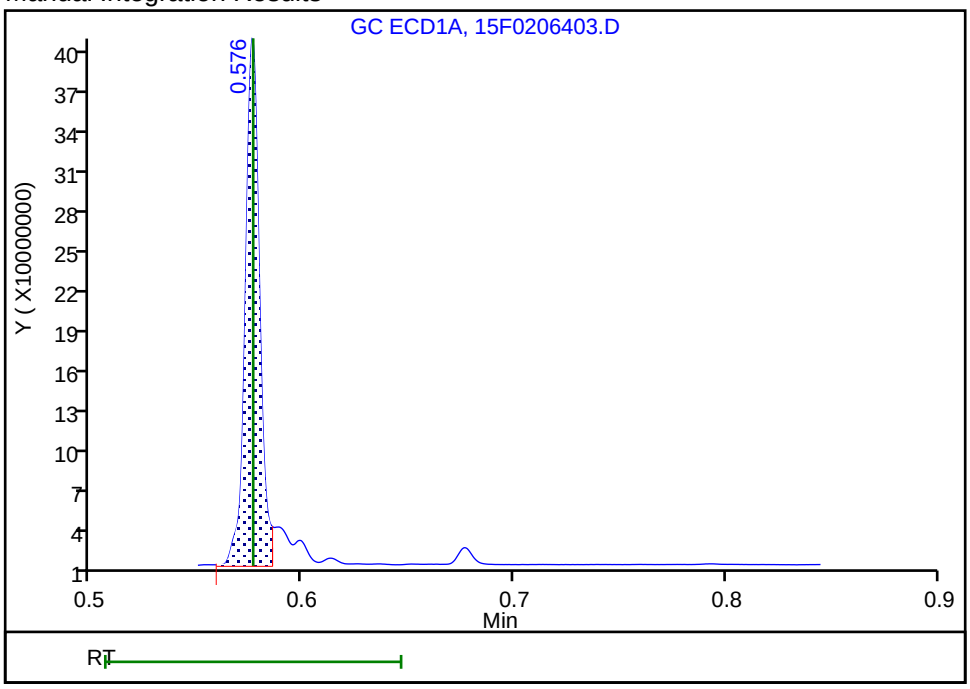
Processing Integration Results

RT: 0.58
Area: 198256929
Amount: 750.7172
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 184271704
Amount: 738.5405
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:14:48 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D
Lims ID: IC HERB 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-May-2024 10:11:15 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-007
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:49 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:33:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	235959834	1000.0	945.7	M
2	0.584	0.584	0.000	155054964	1000.0	912.6	M
						RPD = 3.56	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.934	1.935	-0.001	400602449	1910.0	1716.1	
2	1.585	1.586	-0.001	312106687	1910.0	1743.4	
						RPD = 1.58	
1 Dicamba							
1	2.043	2.044	-0.001	709563844	940.0	872.3	
2	1.675	1.676	-0.001	535130541	940.0	874.1	
						RPD = 0.21	
9 MCPP							
1	2.115	2.116	-0.001	64585728	93100	104667	
2	1.780	1.781	-0.001	64695686	93100	84343	
						RPD = 21.51	
3 MCPA							
1	2.266	2.267	-0.001	92573942	93300	88887	
2	1.858	1.858	0.000	84273160	93300	77987	
						RPD = 13.06	
5 Dichlorprop							
1	2.485	2.487	-0.002	209010176	940.0	876.7	
2	2.065	2.065	0.000	164630073	940.0	889.1	
						RPD = 1.40	
8 2,4-D							
1	2.698	2.699	-0.001	239460428	990.0	871.5	
2	2.194	2.196	-0.002	184545531	990.0	898.1	
						RPD = 3.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.934	2.934	0.000	1603983322	451.5	452.6	
2	2.315	2.315	0.000	1201455316	451.5	453.1	
						RPD = 0.11	
2 Silvex (2,4,5-TP)							
1	3.253	3.254	-0.001	1103187726	960.0	901.2	
2	2.711	2.712	-0.001	860186670	960.0	915.1	
						RPD = 1.53	
4 2,4,5-T							
1	3.531	3.532	-0.001	1184440919	950.0	922.5	
2	2.886	2.887	-0.001	891655752	950.0	934.1	
						RPD = 1.25	
6 2,4-DB							
1	3.897	3.898	-0.001	157644847	960.0	950.3	
2	3.244	3.245	-0.001	173353239	960.0	887.4	
						RPD = 6.84	
13 Dinoseb							
1	4.093	4.093	0.000	783022242	960.0	907.6	
2	3.942	3.943	-0.001	577912858	960.0	925.5	
						RPD = 1.95	
7 Picloram							
1	4.801	4.803	-0.002	861927512	422.0	417.1	
2	3.811	3.812	-0.001	585531205	422.0	415.9	
						RPD = 0.31	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL6_00003 Amount Added: 1.00 Units: mL

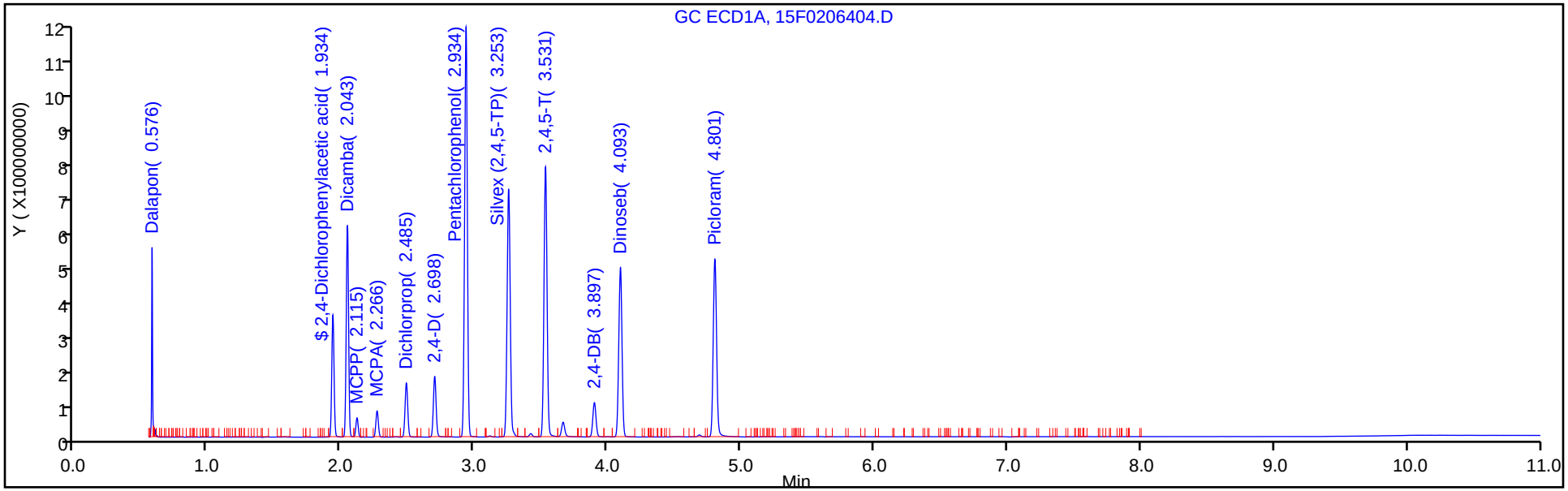
Report Date: 11-May-2024 11:00:50 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

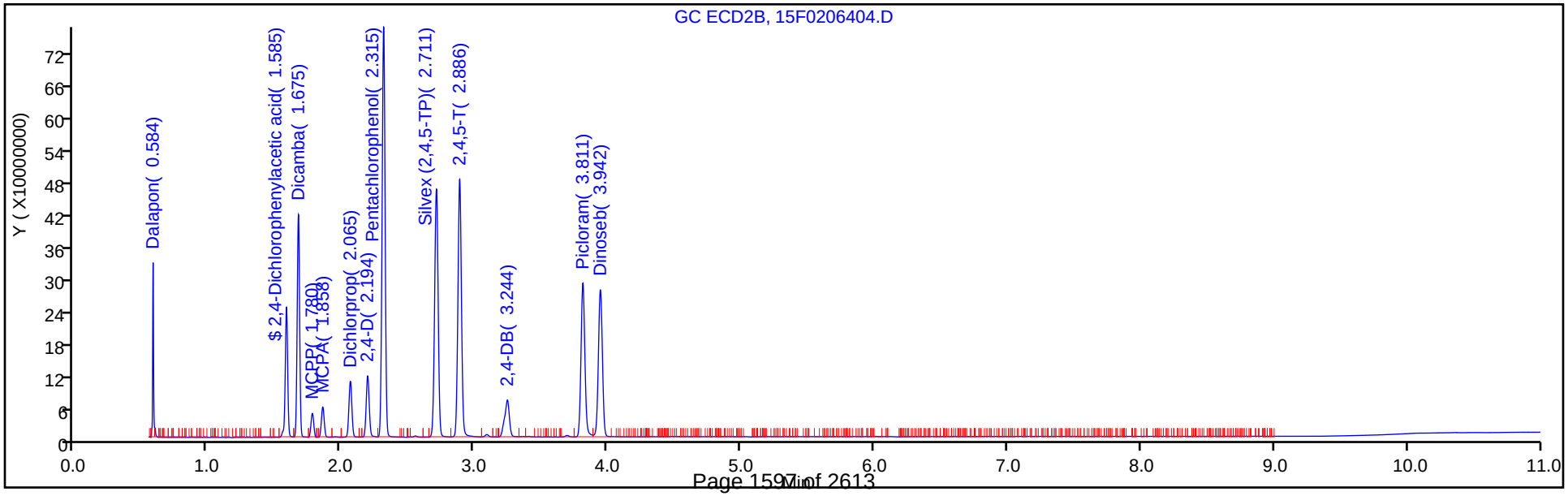
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Injection Date:	11-May-2024 10:11:15	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 6			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

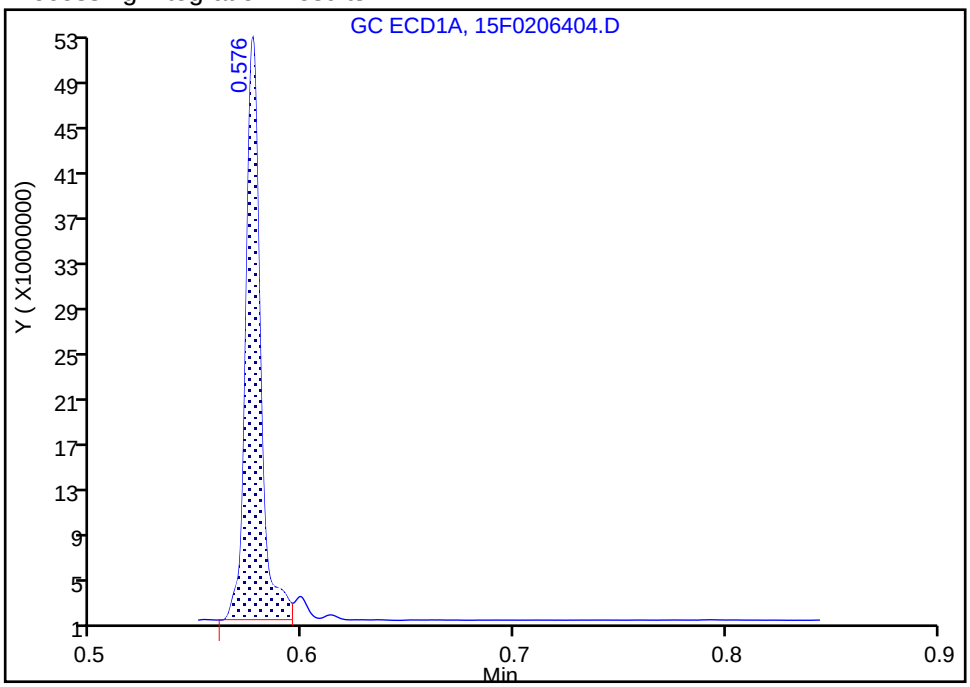
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D
Injection Date: 11-May-2024 10:11:15 Instrument ID: CPESTGC15
Lims ID: IC HERB 6
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

12 Dalapon, CAS: 75-99-0

Signal: 1

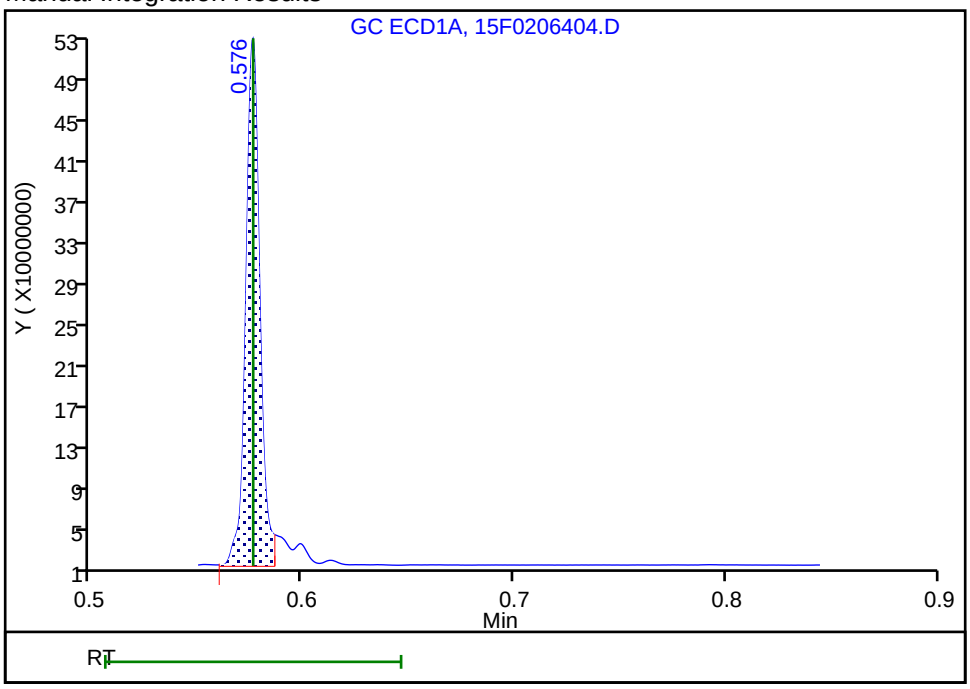
Processing Integration Results

RT: 0.58
Area: 247809001
Amount: 985.3915
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 235959834
Amount: 945.7008
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:33:34 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Calibration / Dalapon

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

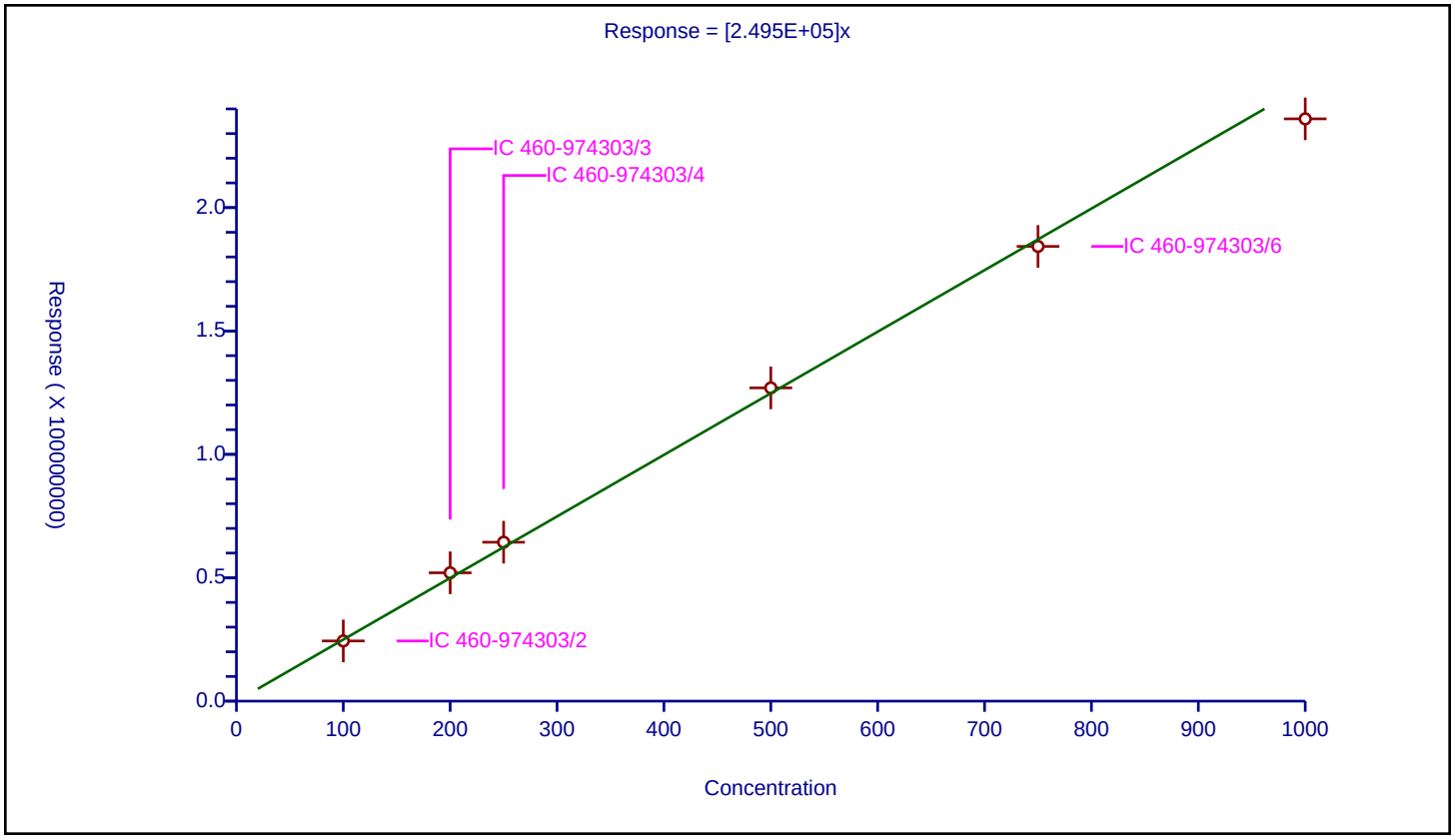
Curve Coefficients

Intercept:	0
Slope:	2.495E+05

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	100.0	24387658.0			243876.58	Y
2	IC 460-974303/3	200.0	52009215.0			260046.075	Y
3	IC 460-974303/4	250.0	64396429.0			257585.716	Y
4	IC 460-974303/5	500.0	126941861.0			253883.722	Y
5	IC 460-974303/6	750.0	184271704.0			245695.605333	Y
6	IC 460-974303/7	1000.0	235959834.0			235959.834	Y



Calibration / 2,4-Dichlorophenylacetic acid

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

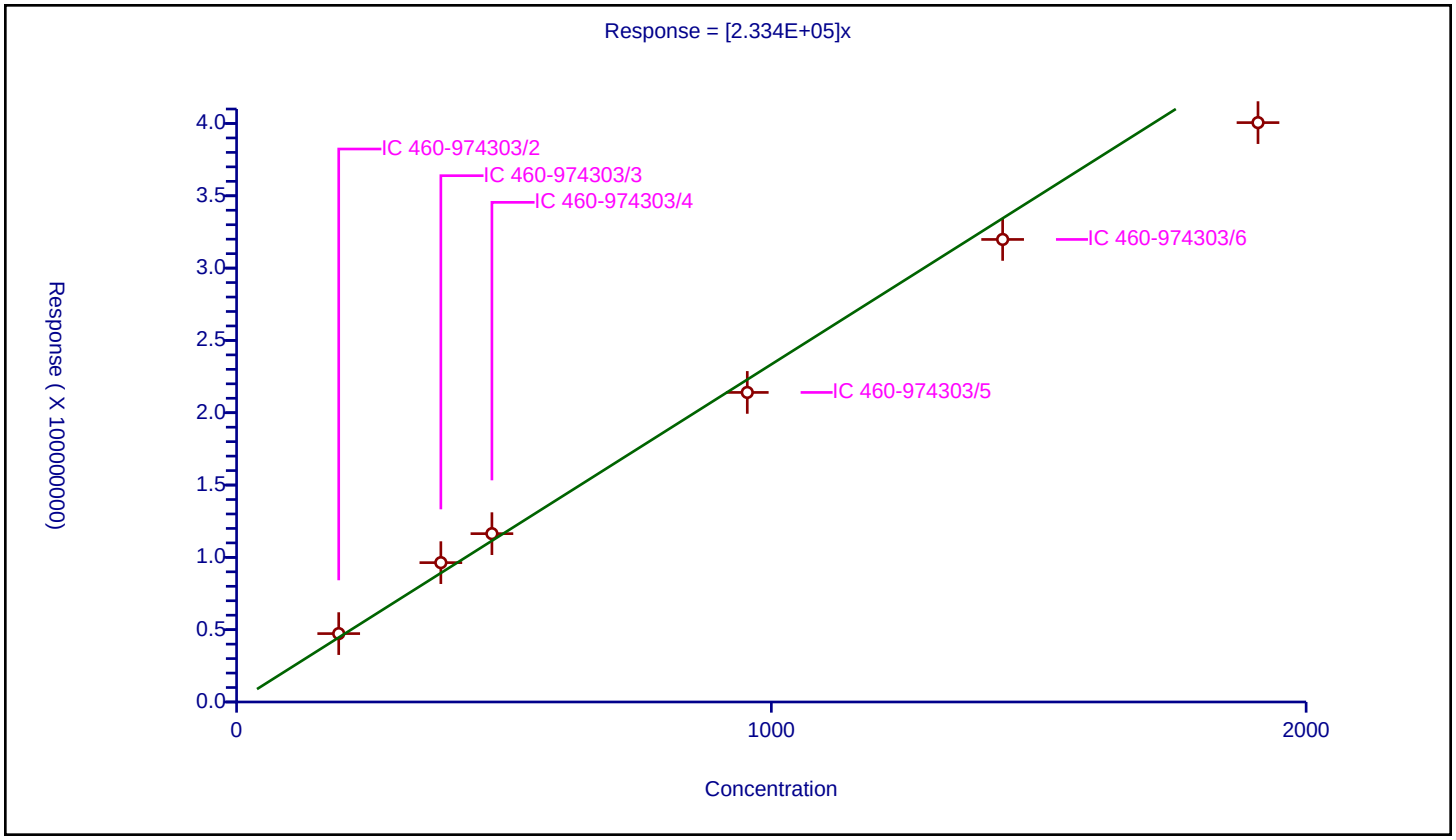
Curve Coefficients

Intercept:	0
Slope:	2.334E+05

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	191.0	47284582.0			247563.256545	Y
2	IC 460-974303/3	382.0	96344512.0			252210.764398	Y
3	IC 460-974303/4	477.5	116385265.0			243738.774869	Y
4	IC 460-974303/5	955.0	214036263.0			224121.741361	Y
5	IC 460-974303/6	1432.5	319810618.0			223253.485515	Y
6	IC 460-974303/7	1910.0	400602449.0			209739.502094	Y



Calibration / Dicamba

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

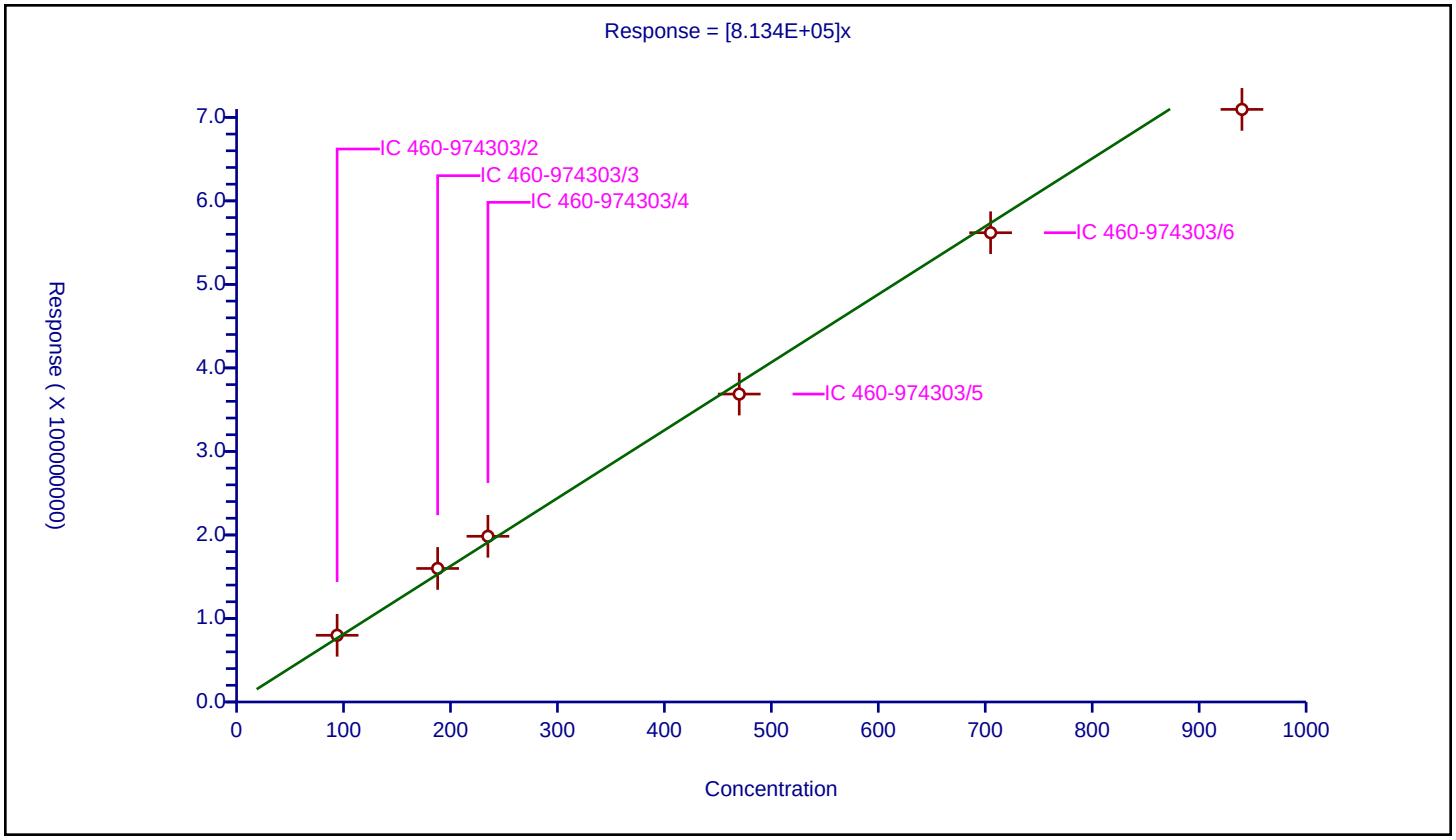
Curve Coefficients

Intercept:	0
Slope:	8.134E+05

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	94.0	79865575.0			849633.776596	Y
2	IC 460-974303/3	188.0	159893157.0			850495.515957	Y
3	IC 460-974303/4	235.0	198386514.0			844197.931915	Y
4	IC 460-974303/5	470.0	368695786.0			784459.119149	Y
5	IC 460-974303/6	705.0	561875369.0			796986.339007	Y
6	IC 460-974303/7	940.0	709563844.0			754855.153191	Y



Calibration / MCPP

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

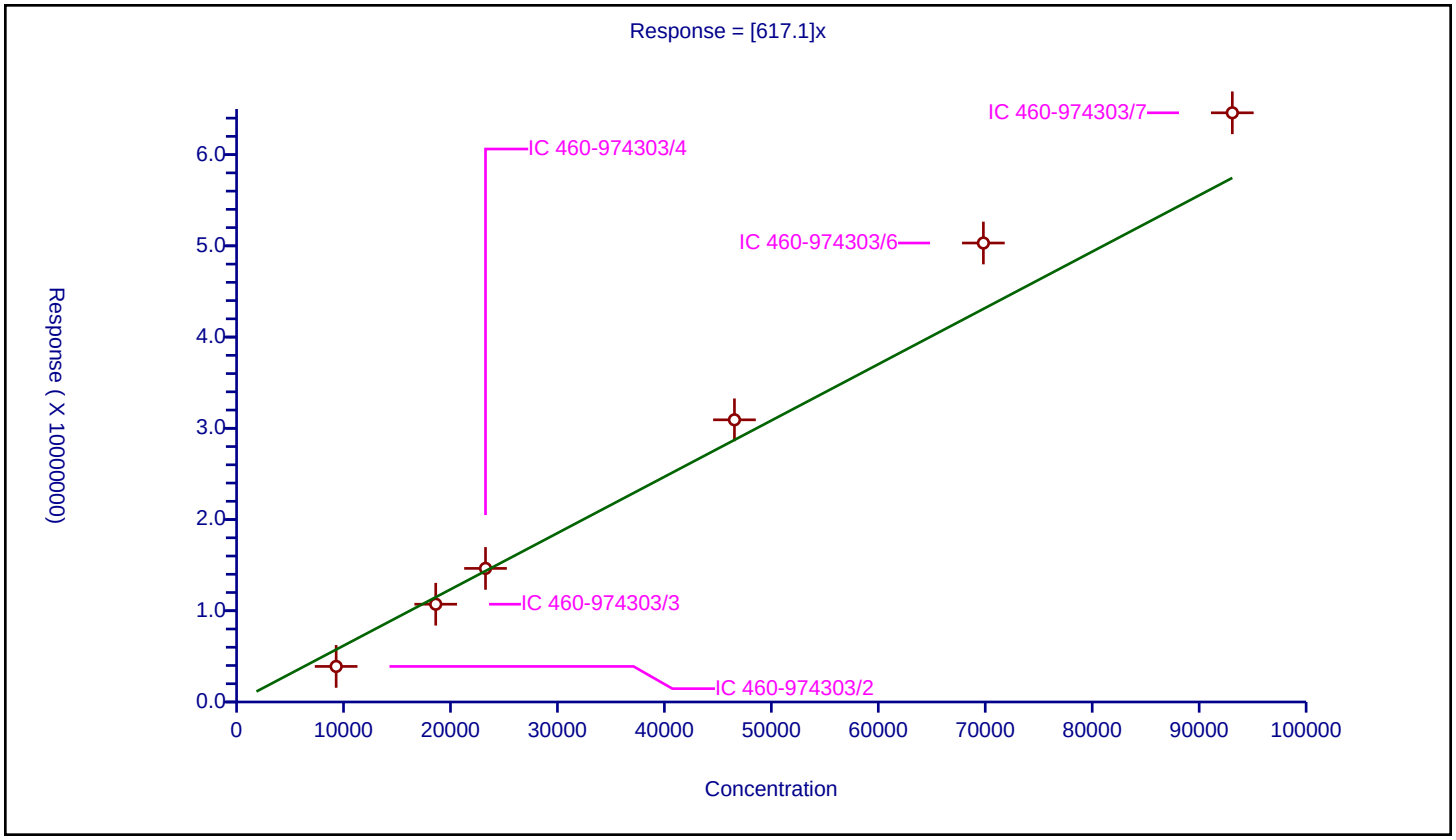
Curve Coefficients

Intercept:	0
Slope:	617.1

Error Coefficients

Relative Standard Deviation:	17.8

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	9310.0	3899234.0			418.822127	Y
2	IC 460-974303/3	18620.0	10718078.0			575.621805	Y
3	IC 460-974303/4	23275.0	14644277.0			629.184834	Y
4	IC 460-974303/5	46550.0	30931069.0			664.469796	Y
5	IC 460-974303/6	69825.0	50311201.0			720.532775	Y
6	IC 460-974303/7	93100.0	64585728.0			693.724253	Y



Calibration / MCPA

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

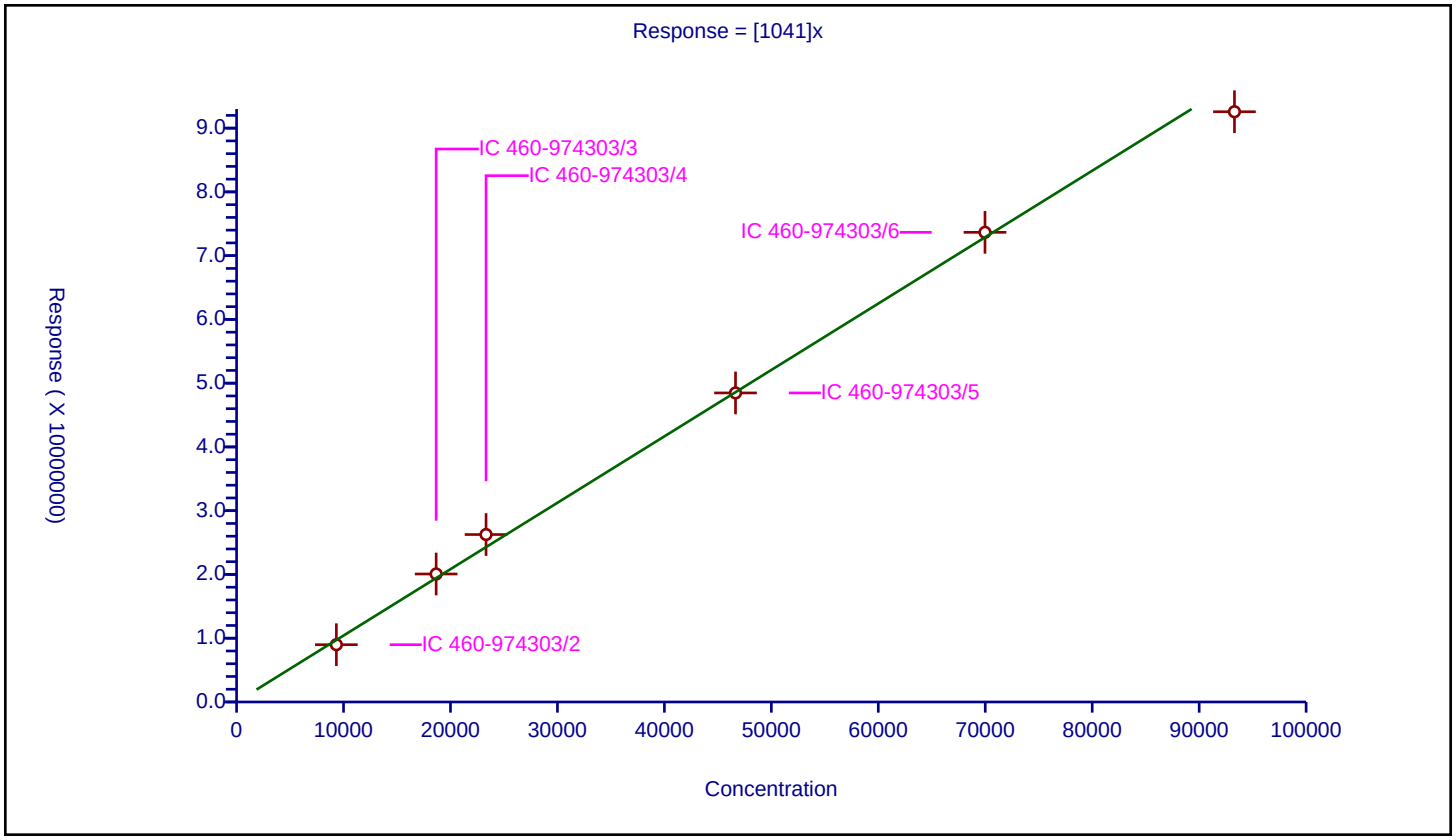
Curve Coefficients

Intercept:	0
Slope:	1041

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	9330.0	8987275.0			963.266345	Y
2	IC 460-974303/3	18660.0	20074055.0			1075.780011	Y
3	IC 460-974303/4	23325.0	26260790.0			1125.864523	Y
4	IC 460-974303/5	46650.0	48471765.0			1039.051768	Y
5	IC 460-974303/6	69975.0	73659825.0			1052.659164	Y
6	IC 460-974303/7	93300.0	92573942.0			992.218028	Y



Calibration / Dichlorprop

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

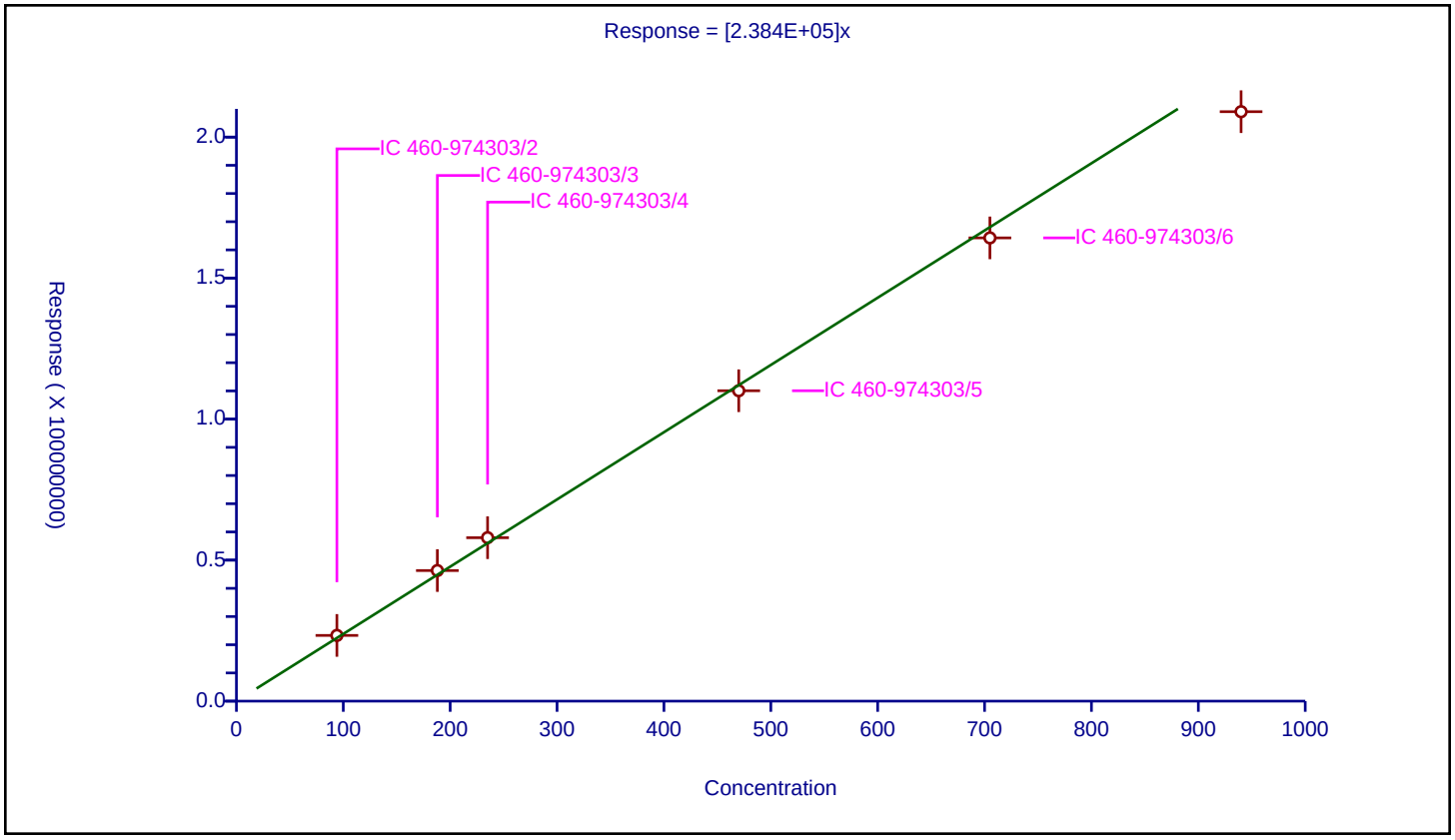
Curve Coefficients

Intercept:	0
Slope:	2.384E+05

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	94.0	23303984.0			247914.723404	Y
2	IC 460-974303/3	188.0	46310332.0			246331.553191	Y
3	IC 460-974303/4	235.0	57949639.0			246594.208511	Y
4	IC 460-974303/5	470.0	110064592.0			234179.982979	Y
5	IC 460-974303/6	705.0	164259133.0			232991.678014	Y
6	IC 460-974303/7	940.0	209010176.0			222351.251064	Y



Calibration / 2,4-D

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

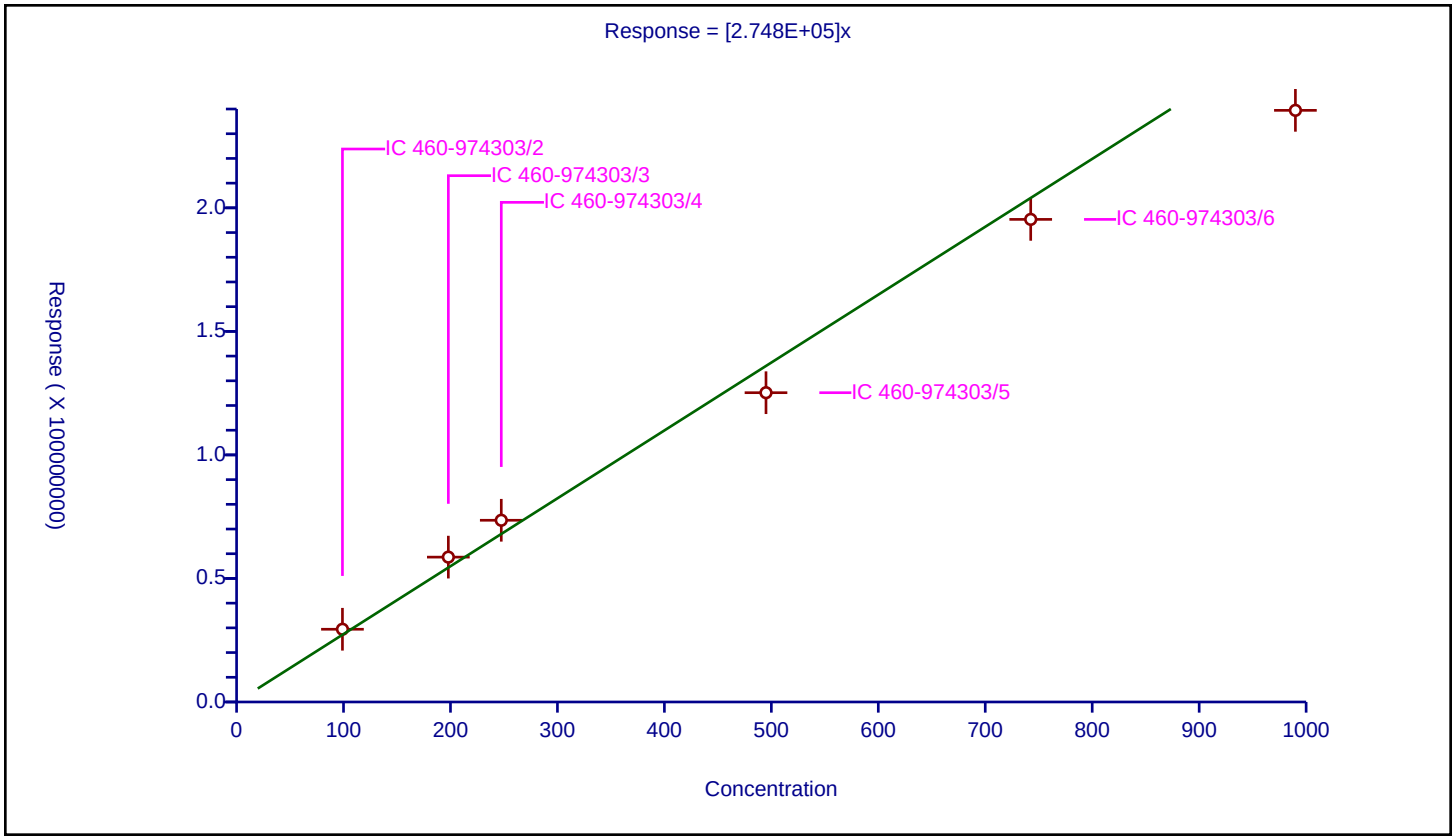
Curve Coefficients

Intercept:	0
Slope:	2.748E+05

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	99.0	29443060.0			297404.646465	Y
2	IC 460-974303/3	198.0	58634145.0			296132.045455	Y
3	IC 460-974303/4	247.5	73548023.0			297163.729293	Y
4	IC 460-974303/5	495.0	125183611.0			252896.183838	Y
5	IC 460-974303/6	742.5	195324849.0			263063.769697	Y
6	IC 460-974303/7	990.0	239460428.0			241879.220202	Y



Calibration / Pentachlorophenol

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

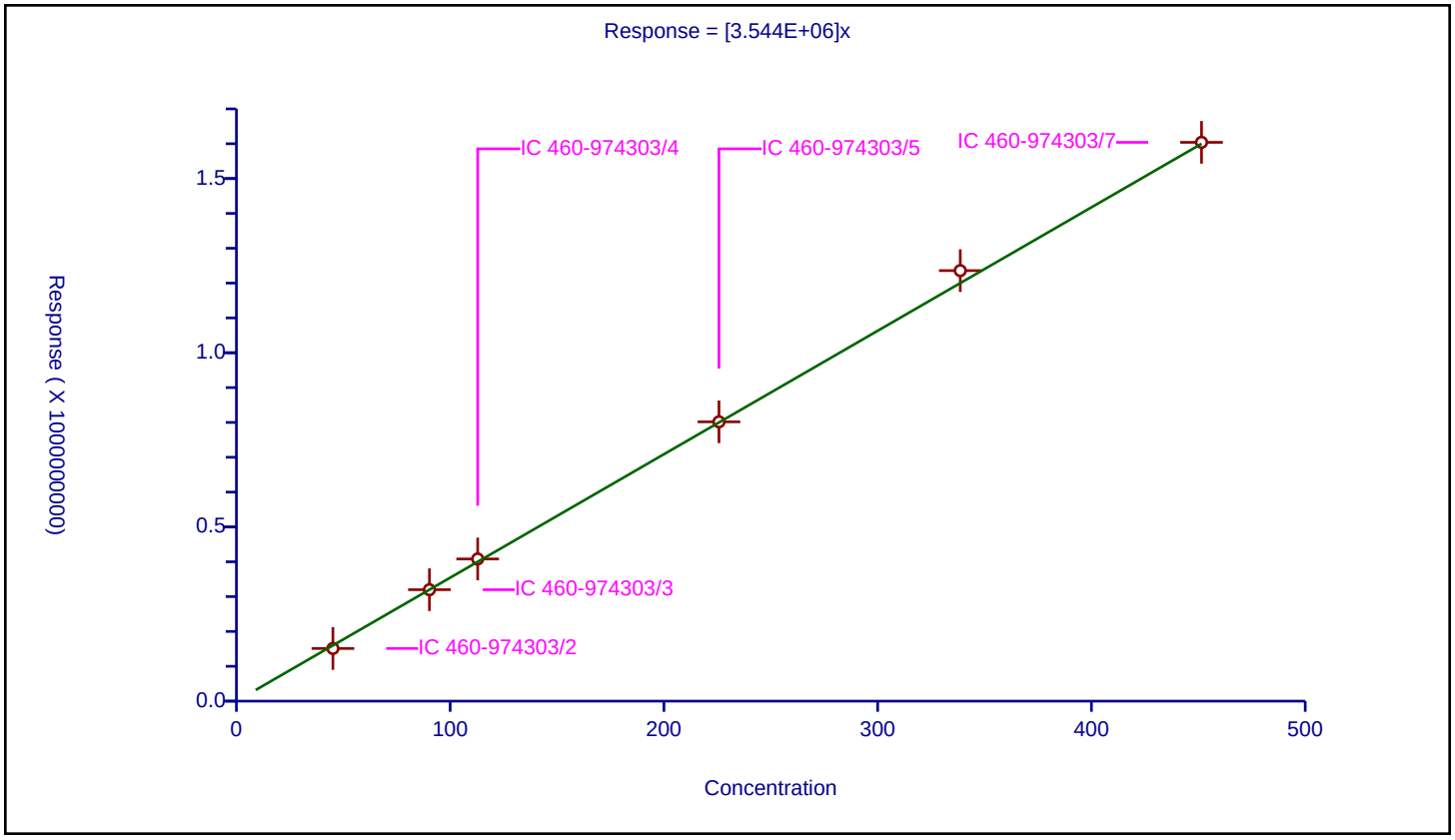
Curve Coefficients

Intercept:	0
Slope:	3.544E+06

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	45.15	151219391.0			3349266.688815	Y
2	IC 460-974303/3	90.3	319869866.0			3542301.949059	Y
3	IC 460-974303/4	112.875	408170061.0			3616124.571429	Y
4	IC 460-974303/5	225.75	801755882.0			3551521.071982	Y
5	IC 460-974303/6	338.625	1235806407.0			3649483.667774	Y
6	IC 460-974303/7	451.5	1603983322.0			3552565.497231	Y



Calibration / Silvex (2,4,5-TP)

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

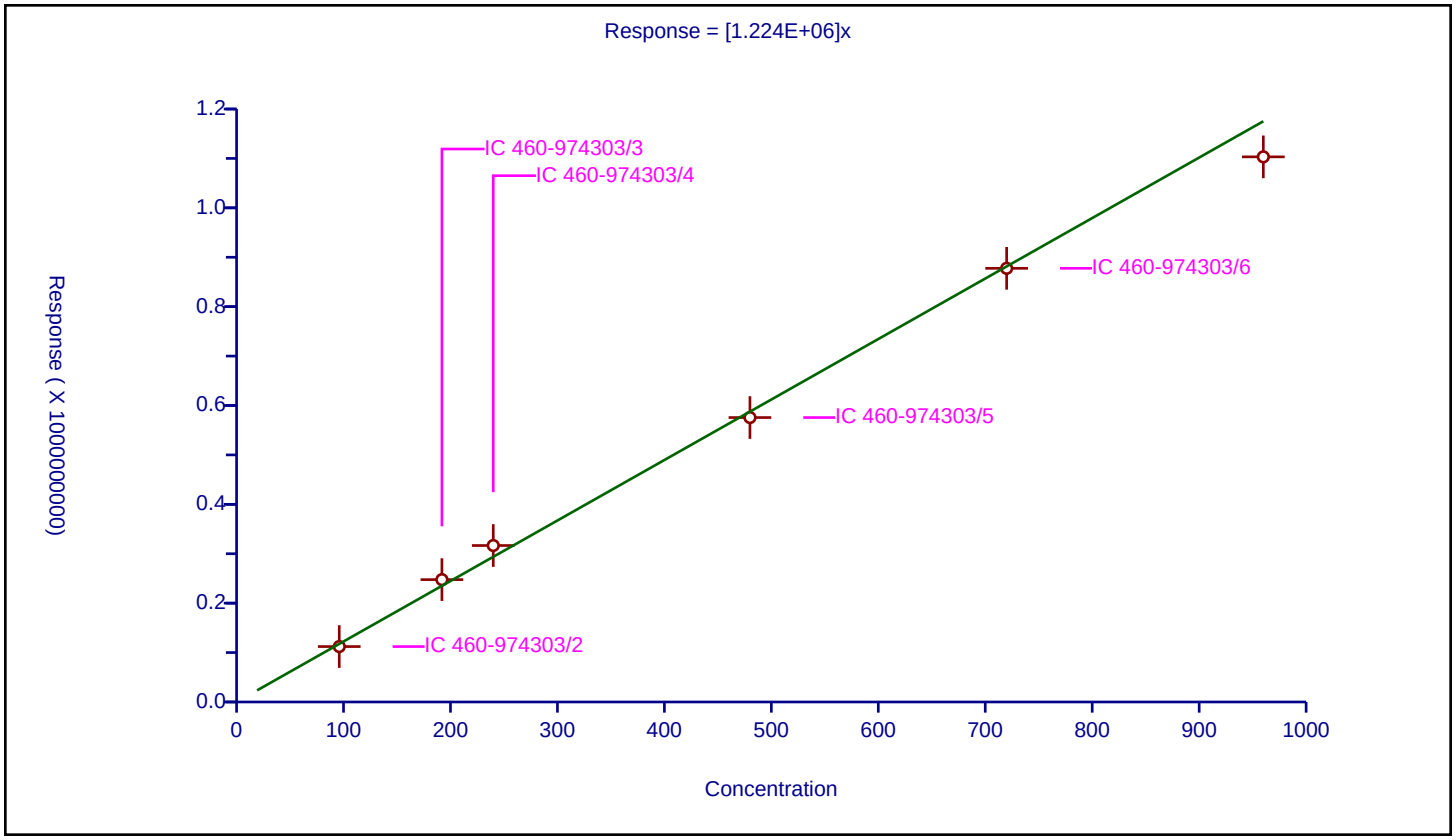
Curve Coefficients

Intercept:	0
Slope:	1.224E+06

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	96.0	112188215.0			1168627.239583	Y
2	IC 460-974303/3	192.0	247629218.0			1289735.510417	Y
3	IC 460-974303/4	240.0	316640907.0			1319337.1125	Y
4	IC 460-974303/5	480.0	575605697.0			1199178.535417	Y
5	IC 460-974303/6	720.0	877595987.0			1218883.315278	Y
6	IC 460-974303/7	960.0	1103187726.0			1149153.88125	Y



Calibration / 2,4,5-T

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

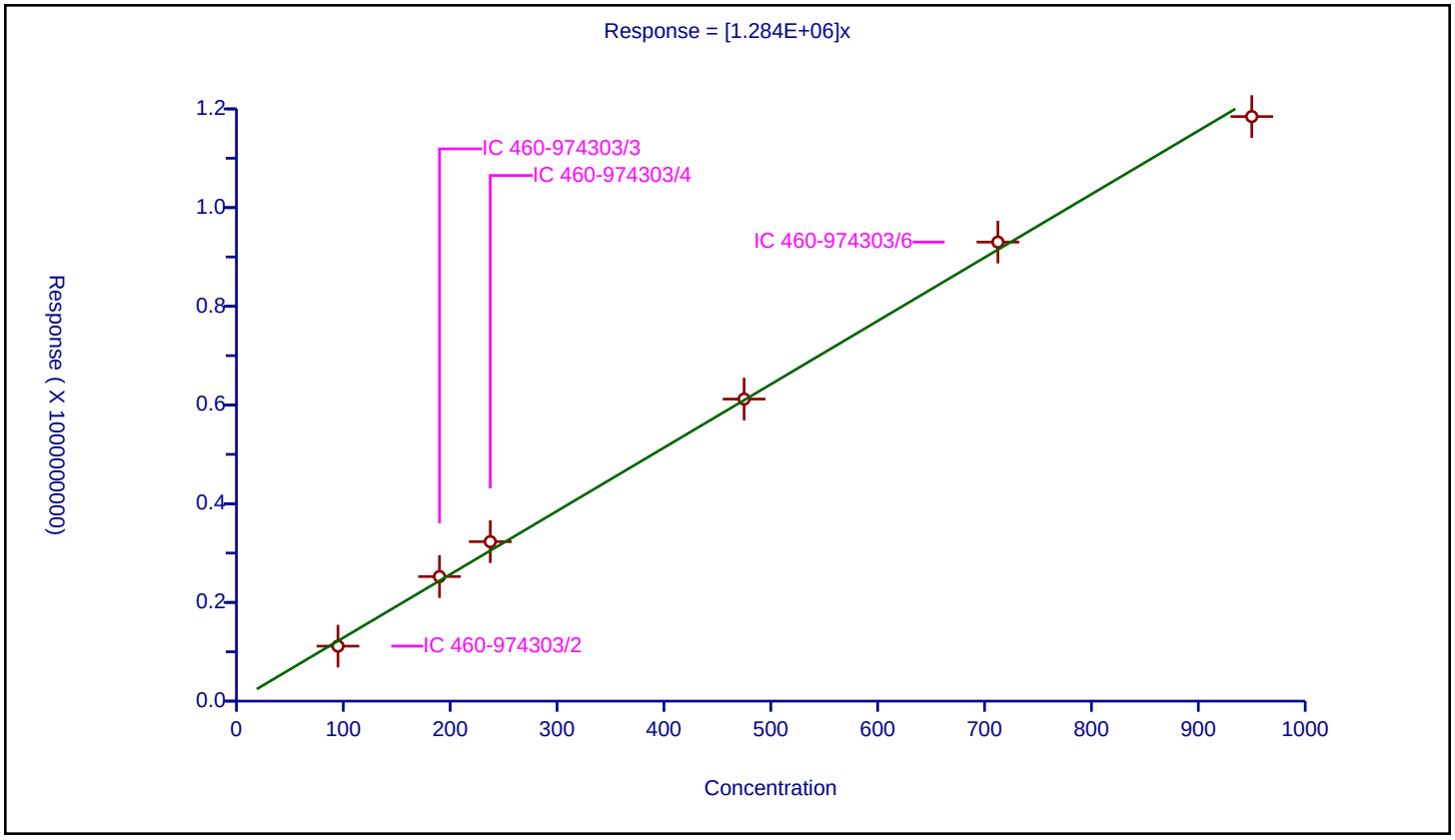
Curve Coefficients

Intercept:	0
Slope:	1.284E+06

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	95.0	111480072.0			1173474.442105	Y
2	IC 460-974303/3	190.0	252436669.0			1328614.047368	Y
3	IC 460-974303/4	237.5	323138378.0			1360582.644211	Y
4	IC 460-974303/5	475.0	612067227.0			1288562.583158	Y
5	IC 460-974303/6	712.5	930122333.0			1305434.853333	Y
6	IC 460-974303/7	950.0	1184440919.0			1246779.914737	Y



Calibration / 2,4-DB

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

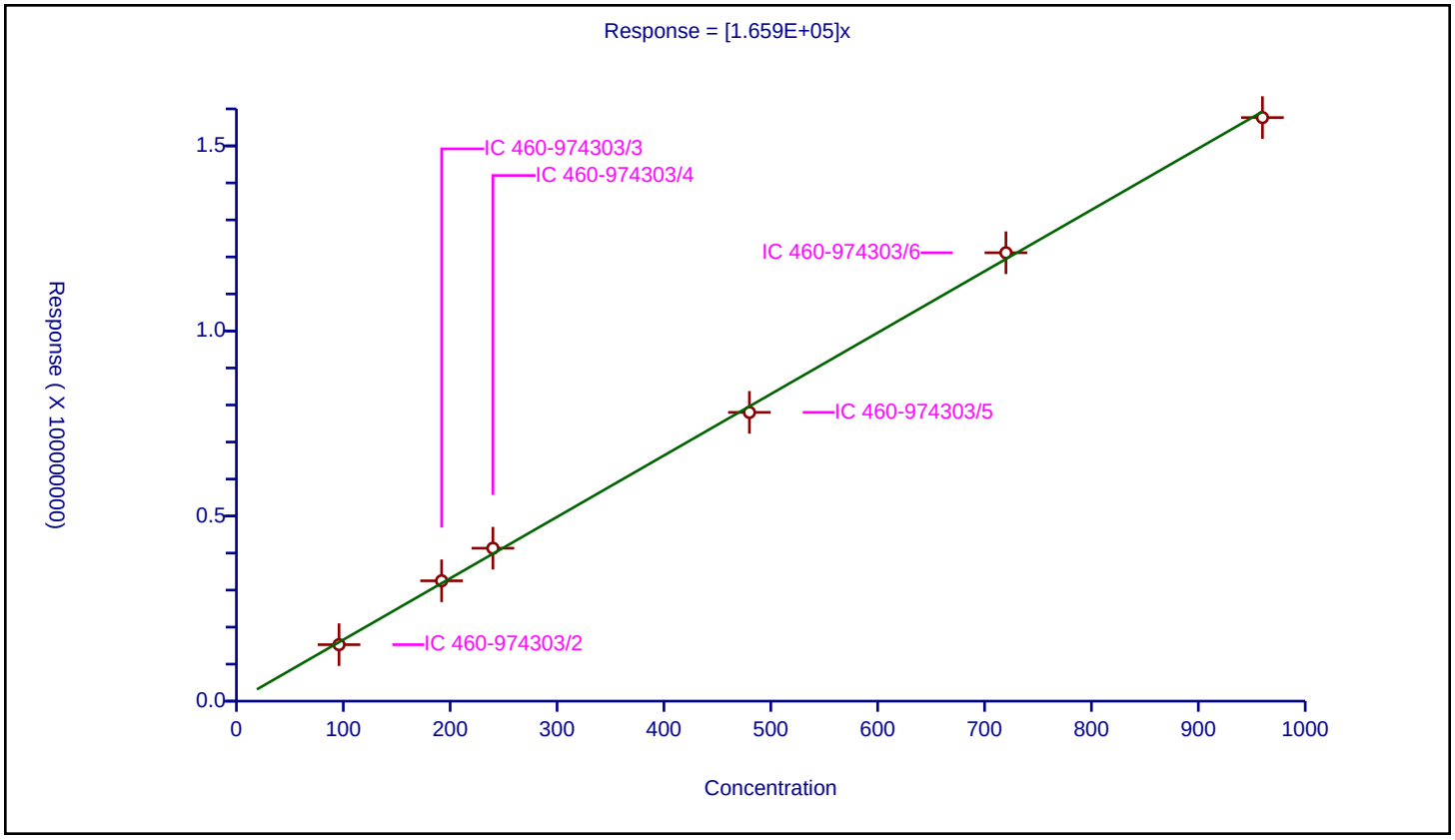
Curve Coefficients

Intercept:	0
Slope:	1.659E+05

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	96.0	15255369.0			158910.09375	Y
2	IC 460-974303/3	192.0	32514499.0			169346.348958	Y
3	IC 460-974303/4	240.0	41312975.0			172137.395833	Y
4	IC 460-974303/5	480.0	78010775.0			162522.447917	Y
5	IC 460-974303/6	720.0	121137826.0			168246.980556	Y
6	IC 460-974303/7	960.0	157644847.0			164213.382292	Y



Calibration / Dinoseb

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

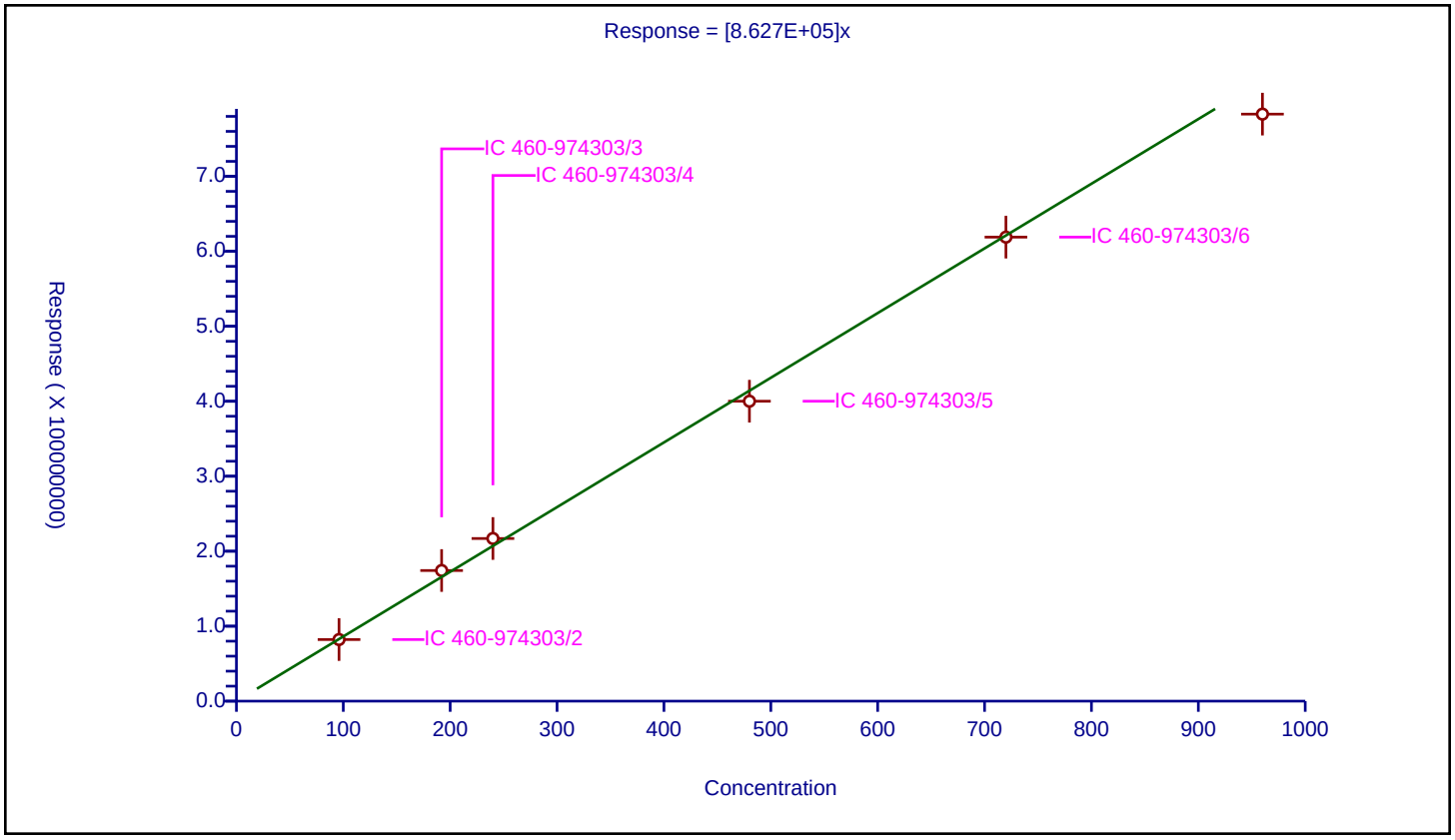
Curve Coefficients

Intercept:	0
Slope:	8.627E+05

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	96.0	82161155.0			855845.364583	Y
2	IC 460-974303/3	192.0	174249759.0			907550.828125	Y
3	IC 460-974303/4	240.0	216963474.0			904014.475	Y
4	IC 460-974303/5	480.0	400072757.0			833484.910417	Y
5	IC 460-974303/6	720.0	618940981.0			859640.251389	Y
6	IC 460-974303/7	960.0	783022242.0			815648.16875	Y



Calibration / Picloram

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

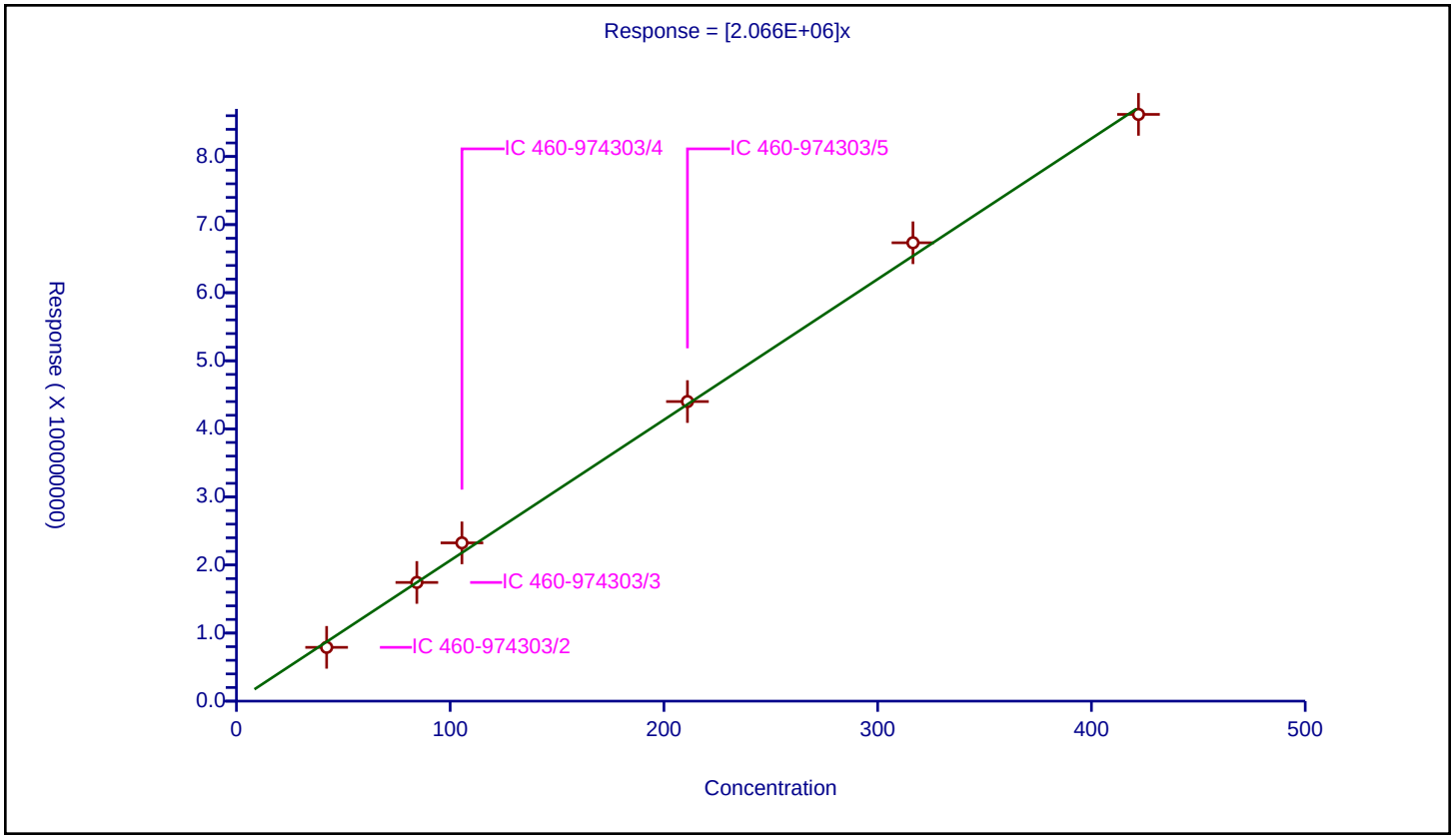
Curve Coefficients

Intercept:	0
Slope:	2.066E+06

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	42.2	78995219.0			1871924.620853	Y
2	IC 460-974303/3	84.4	174376013.0			2066066.504739	Y
3	IC 460-974303/4	105.5	232504122.0			2203830.540284	Y
4	IC 460-974303/5	211.0	440102066.0			2085791.781991	Y
5	IC 460-974303/6	316.5	673346695.0			2127477.709321	Y
6	IC 460-974303/7	422.0	861927512.0			2042482.255924	Y



FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 974303

SDG No.:

Instrument ID: CPESTGC15 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2024 09:04 | Calibration End Date: 05/11/2024 10:11 | Calibration ID: 97127

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-974303/2	15F0206399.D
Level 2	IC 460-974303/3	15F0206400.D
Level 3	IC 460-974303/4	15F0206401.D
Level 4	IC 460-974303/5	15F0206402.D
Level 5	IC 460-974303/6	15F0206403.D
Level 6	IC 460-974303/7	15F0206404.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	0.583	0.583	0.583	0.584	0.584	0.584					0.514 - 0.654	0.584
Dicamba	1.676	1.675	1.675	1.676	1.675	1.675					1.606 - 1.746	1.675
Mecoprop	1.782	1.779	1.779	1.781	1.780	1.780					1.711 - 1.851	1.780
MCPA	1.860	1.857	1.858	1.858	1.858	1.858					1.788 - 1.928	1.858
Dichlorprop	2.067	2.066	2.065	2.065	2.065	2.065					1.995 - 2.135	2.066
2,4-D	2.197	2.194	2.195	2.196	2.195	2.194					2.126 - 2.266	2.195
Pentachlorophenol	2.316	2.314	2.314	2.315	2.315	2.315					2.245 - 2.385	2.315
Silvex (2,4,5-TP)	2.713	2.711	2.711	2.712	2.711	2.711					2.642 - 2.782	2.712
2,4,5-T	2.888	2.886	2.885	2.887	2.885	2.886					2.817 - 2.957	2.886
2,4-DB	3.246	3.241	3.243	3.245	3.243	3.244					3.175 - 3.315	3.244
Picloram	3.812	3.811	3.810	3.812	3.811	3.811					3.742 - 3.882	3.811
Dinoseb	3.946	3.942	3.942	3.943	3.942	3.942					3.873 - 4.013	3.943
2,4-Dichlorophenylacetic acid	1.586	1.585	1.585	1.586	1.585	1.585					1.516 - 1.656	1.585

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 974303

SDG No.:

Instrument ID: CPESTGC15 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2024 09:04 | Calibration End Date: 05/11/2024 10:11 | Calibration ID: 97127

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-974303/2	15F0206399.D
Level 2	IC 460-974303/3	15F0206400.D
Level 3	IC 460-974303/4	15F0206401.D
Level 4	IC 460-974303/5	15F0206402.D
Level 5	IC 460-974303/6	15F0206403.D
Level 6	IC 460-974303/7	15F0206404.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	170520 163564	178169 155055	179954	172119	Ave		169896.719				5.5		20.0			
Dicamba	615250 600245	645066 569288	646403	596907	Ave		612193.164				4.9		20.0			
Mecoprop	736.07 748.30	825.16 694.91	840.53	757.36	Ave		767.056480				7.2		20.0			
MCPA	1190.8 983.00	1192.4 903.25	1184.1	1030.0	Ave		1080.60262				11.6		20.0			
Dichlorprop	181442 183731	191173 175138	194299	185180	Ave		185160.723				3.7		20.0			
2,4-D	198973 202704	223168 186410	226662	195053	Ave		205495.033				7.8		20.0			
Pentachlorophenol	2434023 2737182	2665742 2661031	2738332	2672404	Ave		2651452.38				4.2		20.0			
Silvex (2,4,5-TP)	866990 945324	991203 896028	1012128	928273	Ave		939990.810				5.9		20.0			
2,4,5-T	856890 978925	987406 938585	1002766	962507	Ave		954513.070				5.5		20.0			
2,4-DB	186391 197472	210498 180576	216855	180278	Ave		195345.031				8.0		20.0			
Picloram	1341960 1443941	1382887 1387515	1479530	1412345	Ave		1408029.63				3.5		20.0			
Dinoseb	613790 630753	643774 601993	651766	604570	Ave		624440.879				3.3		20.0			
2,4-Dichlorophenylacetic acid	184857 172912	190226 163407	189451	173298	Ave		179025.166				6.0		20.0			

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

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-303610-1 | Analy Batch No.: 974303

SDG No.:

Instrument ID: CPESTGC15 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2024 09:04 | Calibration End Date: 05/11/2024 10:11 | Calibration ID: 97127

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-974303/2	15F0206399.D
Level 2	IC 460-974303/3	15F0206400.D
Level 3	IC 460-974303/4	15F0206401.D
Level 4	IC 460-974303/5	15F0206402.D
Level 5	IC 460-974303/6	15F0206403.D
Level 6	IC 460-974303/7	15F0206404.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	17052004 155054964	35633733	44988406	86059478	122673047	100 1000	200	250	500	750
Dicamba	Ave	57833495 535130541	121272374	151904733	280546316	423172890	94.0 940	188	235	470	705
Mecoprop	Ave	6852853 64695686	15364520	19563402	35255159	52250256	9310 93100	18620	23275	46550	69825
MCPA	Ave	11110507 84273160	22249999	27620272	48049120	68785347	9330 93300	18660	23325	46650	69975
Dichlorprop	Ave	17055586 164630073	35940556	45660292	87034743	129530331	94.0 940	188	235	470	705
2,4-D	Ave	19698286 184545531	44187346	56098851	96551443	150507813	99.0 990	198	248	495	743
Pentachlorophenol	Ave	109896152 1201455316	240716527	309089265	603295095	926878337	45.2 452	90.3	113	226	339
Silvex (2,4,5-TP)	Ave	83231045 860186670	190310883	242910630	445571213	680632938	96.0 960	192	240	480	720
2,4,5-T	Ave	81404504 891655752	187607143	238156939	457190623	697484241	95.0 950	190	238	475	713
2,4-DB	Ave	17893546 173353239	40415590	52045314	86533323	142179622	96.0 960	192	240	480	720
Picloram	Ave	56630718 585531205	116715699	156090366	298004855	457007219	42.2 422	84.4	106	211	317
Dinoseb	Ave	58923830 577912858	123604571	156423825	290193742	454142001	96.0 960	192	240	480	720
2,4-Dichlorophenylacetic acid	Ave	35307735 312106687	72666432	90462849	165499223	247696769	191 1910	382	478	955	1433

Curve Type Legend:
Ave = Average

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206399.D
Lims ID: IC HERB 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2024 09:04:08 ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-002
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:33 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 09:22:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.576	0.576	0.000	24387658	100.0	97.7	
2	0.583	0.584	-0.001	17052004	100.0	100.4	
						RPD = 2.65	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.944	1.935	0.009	47284582	191.0	202.6	
2	1.586	1.586	0.000	35307735	191.0	197.2	
						RPD = 2.67	
1 Dicamba							
1	2.053	2.044	0.009	79865575	94.0	98.2	
2	1.676	1.676	0.000	57833495	94.0	94.5	
						RPD = 3.86	
9 MCPP							
1	2.127	2.116	0.011	3899234	9310.0	6319.1	
2	1.782	1.781	0.001	6852853	9310.0	8934.0	
						RPD = 34.29	
3 MCPA							
1	2.278	2.267	0.011	8987275	9330.0	8629.4	
2	1.860	1.858	0.002	11110507	9330.0	10282	
						RPD = 17.48	
5 Dichlorprop							
1	2.498	2.487	0.011	23303984	94.0	97.8	
2	2.067	2.065	0.002	17055586	94.0	92.1	
						RPD = 5.94	
8 2,4-D							
1	2.710	2.699	0.011	29443060	99.0	107.2	
2	2.197	2.196	0.001	19698286	99.0	95.9	
						RPD = 11.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.944	2.934	0.010	151219391	45.2	42.7	
2	2.316	2.315	0.001	109896152	45.2	41.4	
						RPD = 2.92	
2 Silvex (2,4,5-TP)							
1	3.264	3.254	0.010	112188215	96.0	91.6	
2	2.713	2.712	0.001	83231045	96.0	88.5	
						RPD = 3.44	
4 2,4,5-T							
1	3.541	3.532	0.009	111480072	95.0	86.8	
2	2.888	2.887	0.001	81404504	95.0	85.3	
						RPD = 1.80	
6 2,4-DB							
1	3.909	3.898	0.011	15255369	96.0	92.0	
2	3.246	3.245	0.001	17893546	96.0	91.6	
						RPD = 0.39	
13 Dinoseb							
1	4.103	4.093	0.010	82161155	96.0	95.2	
2	3.946	3.943	0.003	58923830	96.0	94.4	
						RPD = 0.92	
7 Picloram							
1	4.812	4.803	0.009	78995219	42.2	38.2	
2	3.812	3.812	0.000	56630718	42.2	40.2	
						RPD = 5.07	

QC Flag Legend

Processing Flags

Reagents:

SGHERBL1_00005 Amount Added: 1.00 Units: mL

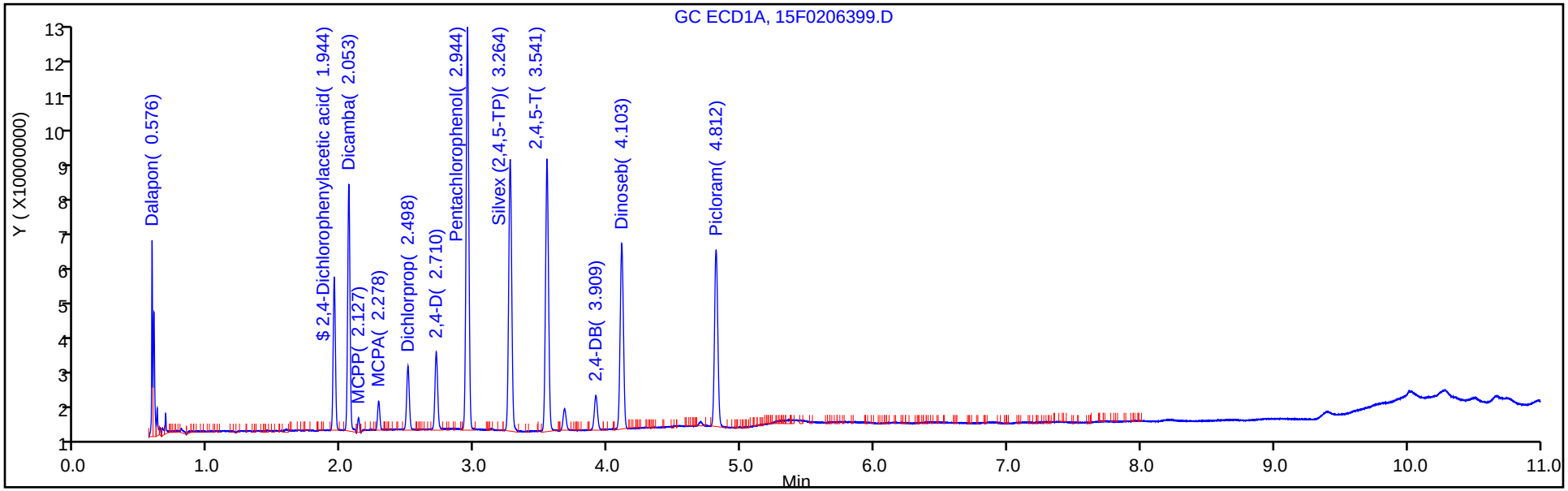
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Eurofins Edison

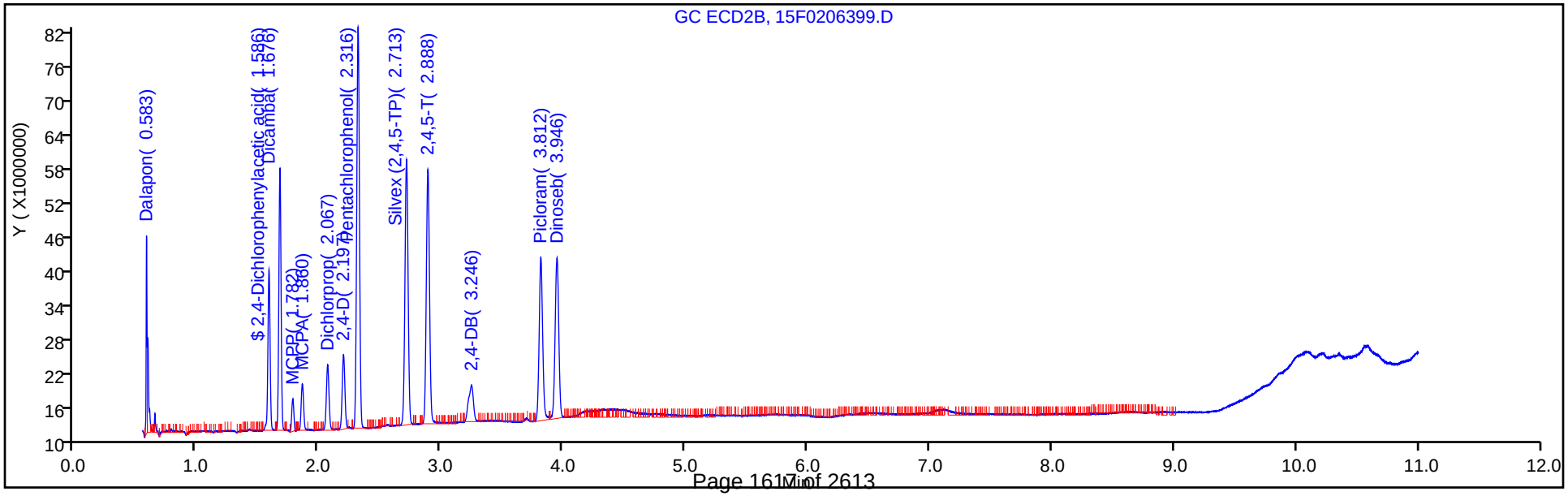
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206399.D

Injection Date:	11-May-2024 09:04:08	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206400.D
Lims ID: IC HERB 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2024 09:17:34 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-003
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:36 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:14:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	52009215	200.0	208.4	
2	0.583	0.584	-0.001	35633733	200.0	209.7	M
						RPD = 0.62	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.935	1.935	0.000	96344512	382.0	412.7	
2	1.585	1.586	-0.001	72666432	382.0	405.9	
						RPD = 1.67	
1 Dicamba							
1	2.043	2.044	-0.001	159893157	188.0	196.6	
2	1.675	1.676	-0.001	121272374	188.0	198.1	
						RPD = 0.78	
9 MCPP							
1	2.115	2.116	-0.001	10718078	18620	17370	
2	1.779	1.781	-0.002	15364520	18620	20030	
						RPD = 14.23	
3 MCPA							
1	2.266	2.267	-0.001	20074055	18660	19275	
2	1.857	1.858	-0.001	22249999	18660	20590	
						RPD = 6.60	
5 Dichlorprop							
1	2.486	2.487	-0.001	46310332	188.0	194.3	
2	2.066	2.065	0.001	35940556	188.0	194.1	
						RPD = 0.08	
8 2,4-D							
1	2.699	2.699	0.000	58634145	198.0	213.4	
2	2.194	2.196	-0.002	44187346	198.0	215.0	
						RPD = 0.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.933	2.934	-0.001	319869866	90.3	90.3	
2	2.314	2.315	-0.001	240716527	90.3	90.8	
						RPD = 0.57	
2 Silvex (2,4,5-TP)							
1	3.254	3.254	0.000	247629218	192.0	202.3	
2	2.711	2.712	-0.001	190310883	192.0	202.5	
						RPD = 0.09	
4 2,4,5-T							
1	3.530	3.532	-0.002	252436669	190.0	196.6	
2	2.886	2.887	-0.001	187607143	190.0	196.5	
						RPD = 0.03	
6 2,4-DB							
1	3.898	3.898	0.000	32514499	192.0	196.0	
2	3.241	3.245	-0.004	40415590	192.0	206.9	
						RPD = 5.41	
13 Dinoseb							
1	4.092	4.093	-0.001	174249759	192.0	202.0	
2	3.942	3.943	-0.001	123604571	192.0	197.9	
						RPD = 2.02	
7 Picloram							
1	4.802	4.803	-0.001	174376013	84.4	84.4	
2	3.811	3.812	-0.001	116715699	84.4	82.9	
						RPD = 1.79	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL2_00008 Amount Added: 1.00 Units: mL

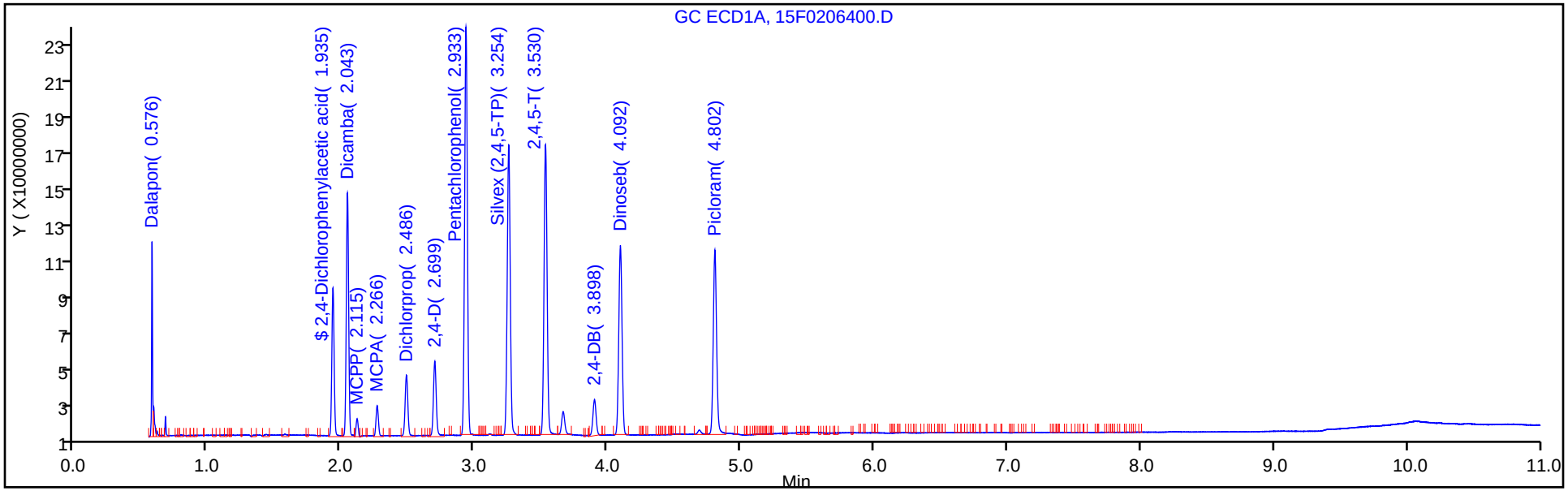
Report Date: 11-May-2024 11:00:37 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

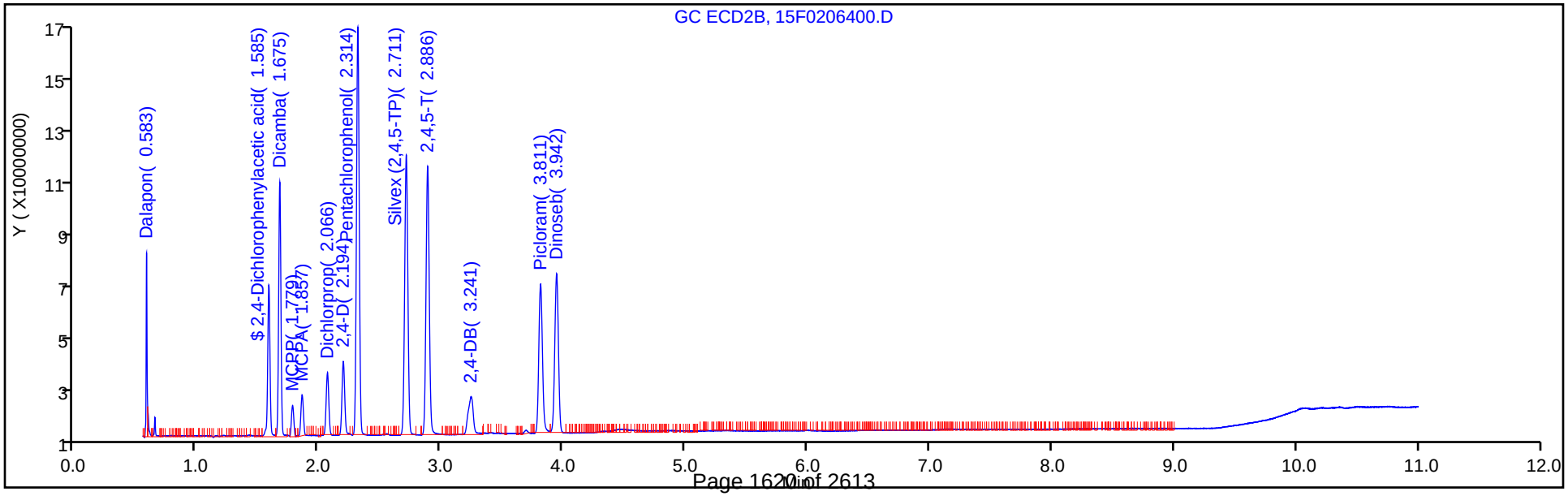
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206400.D

Injection Date:	11-May-2024 09:17:34	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

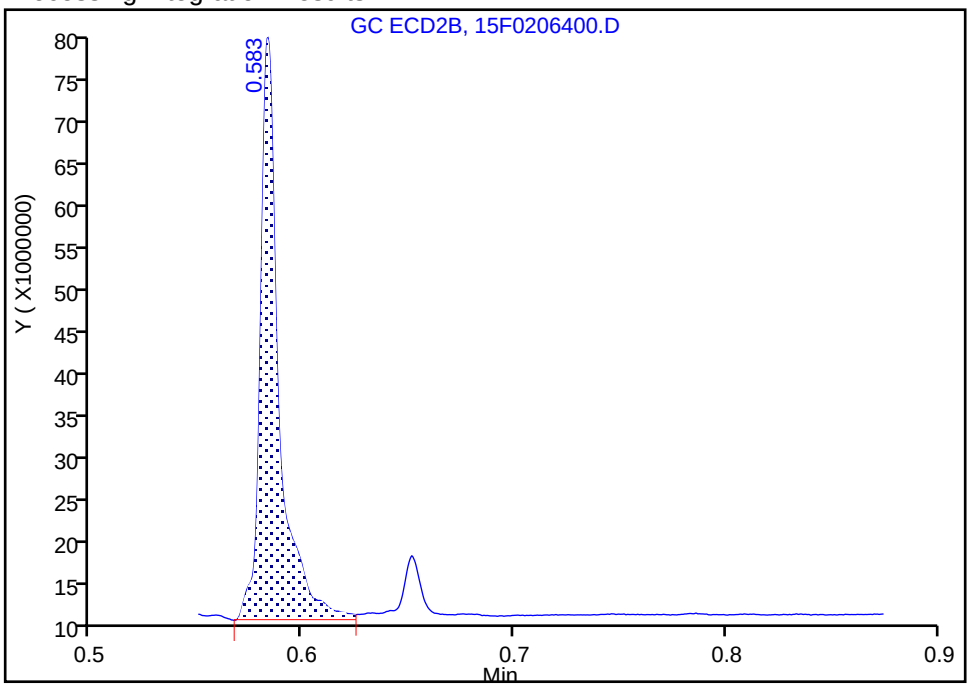
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Injection Date: 11-May-2024 09:17:34 Instrument ID: CPESTGC15
Lims ID: IC HERB 2
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

12 Dalapon, CAS: 75-99-0

Signal: 2

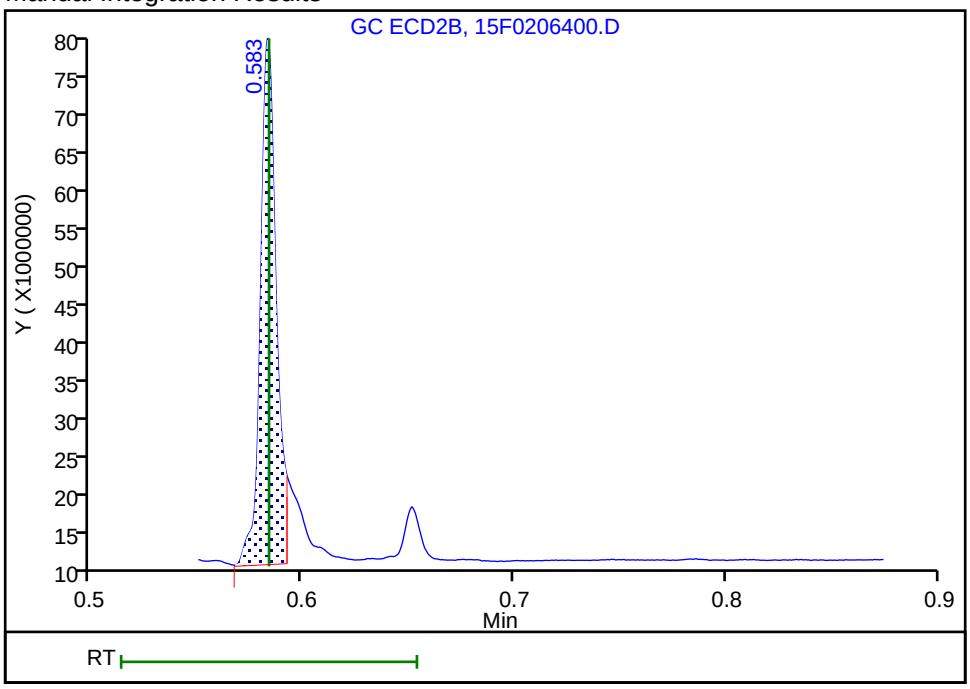
Processing Integration Results

RT: 0.58
Area: 42265110
Amount: 226.8713
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 35633733
Amount: 209.7376
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:14:26 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206401.D
Lims ID: IC HERB 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2024 09:31:02 ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-004
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:39 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:14:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	64396429	250.0	258.1	
2	0.583	0.583	0.000	44988406	250.0	264.8	M
						RPD = 2.56	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.934	1.934	0.000	116385265	477.5	498.6	
2	1.585	1.585	0.000	90462849	477.5	505.3	
						RPD = 1.34	
1 Dicamba							
1	2.043	2.043	0.000	198386514	235.0	243.9	
2	1.675	1.675	0.000	151904733	235.0	248.1	
						RPD = 1.73	
9 MCPP							
1	2.114	2.114	0.000	14644277	23275	23732	
2	1.779	1.779	0.000	19563402	23275	25505	
						RPD = 7.20	
3 MCPA							
1	2.265	2.265	0.000	26260790	23325	25215	
2	1.858	1.858	0.000	27620272	23325	25560	
						RPD = 1.36	
5 Dichlorprop							
1	2.486	2.486	0.000	57949639	235.0	243.1	
2	2.065	2.065	0.000	45660292	235.0	246.6	
						RPD = 1.44	
8 2,4-D							
1	2.698	2.698	0.000	73548023	247.5	267.7	
2	2.195	2.195	0.000	56098851	247.5	273.0	
						RPD = 1.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.933	2.933	0.000	408170061	112.9	115.2	
2	2.314	2.314	0.000	309089265	112.9	116.6	
						RPD = 1.20	
2 Silvex (2,4,5-TP)							
1	3.254	3.254	0.000	316640907	240.0	258.7	
2	2.711	2.711	0.000	242910630	240.0	258.4	
						RPD = 0.09	
4 2,4,5-T							
1	3.530	3.530	0.000	323138378	237.5	251.7	
2	2.885	2.885	0.000	238156939	237.5	249.5	
						RPD = 0.87	
6 2,4-DB							
1	3.897	3.897	0.000	41312975	240.0	249.0	
2	3.243	3.243	0.000	52045314	240.0	266.4	
						RPD = 6.75	
13 Dinoseb							
1	4.092	4.092	0.000	216963474	240.0	251.5	
2	3.942	3.942	0.000	156423825	240.0	250.5	
						RPD = 0.40	
7 Picloram							
1	4.801	4.801	0.000	232504122	105.5	112.5	
2	3.810	3.810	0.000	156090366	105.5	110.9	
						RPD = 1.49	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL3_00004 Amount Added: 1.00 Units: mL

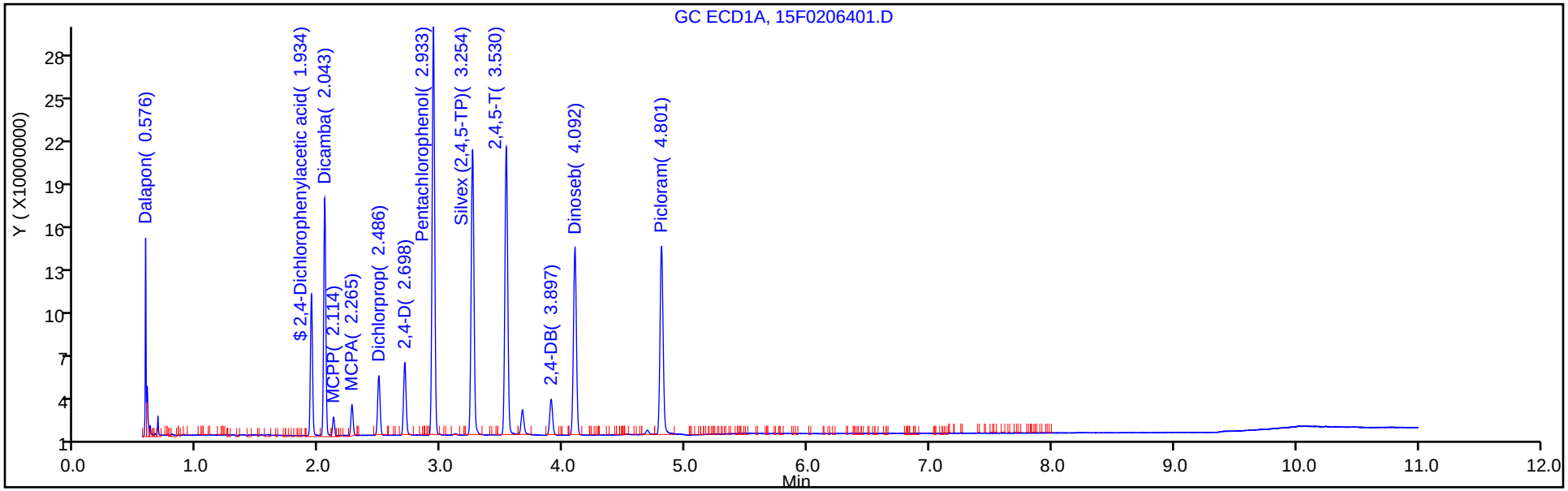
Report Date: 11-May-2024 11:00:40 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

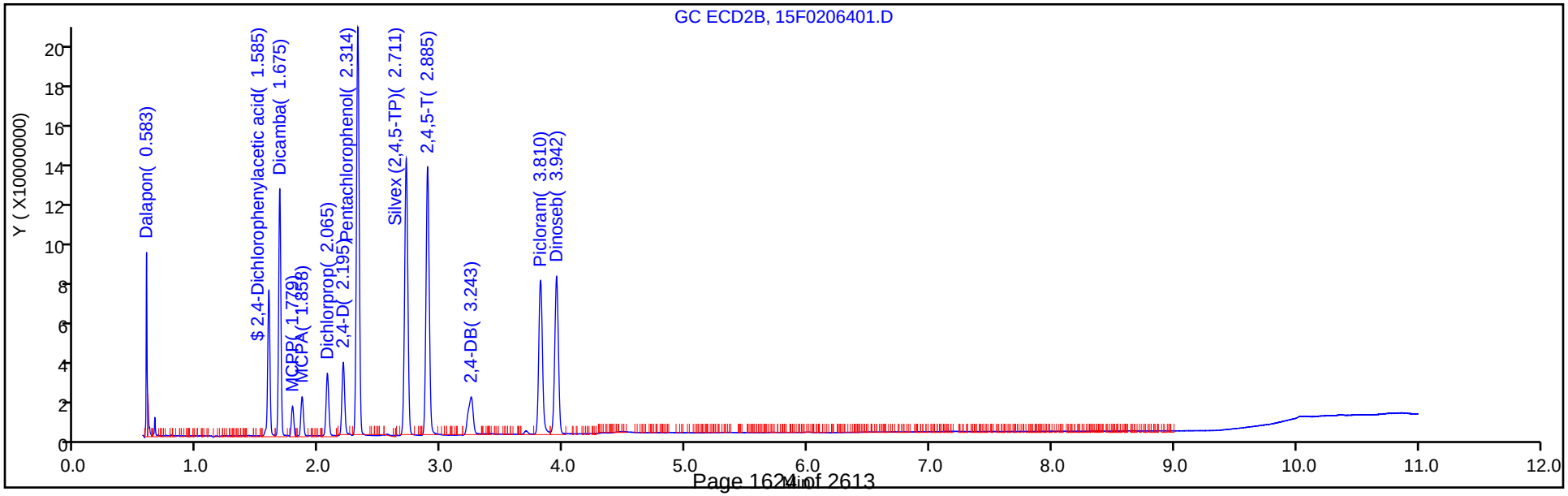
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Injection Date:	11-May-2024 09:31:02	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

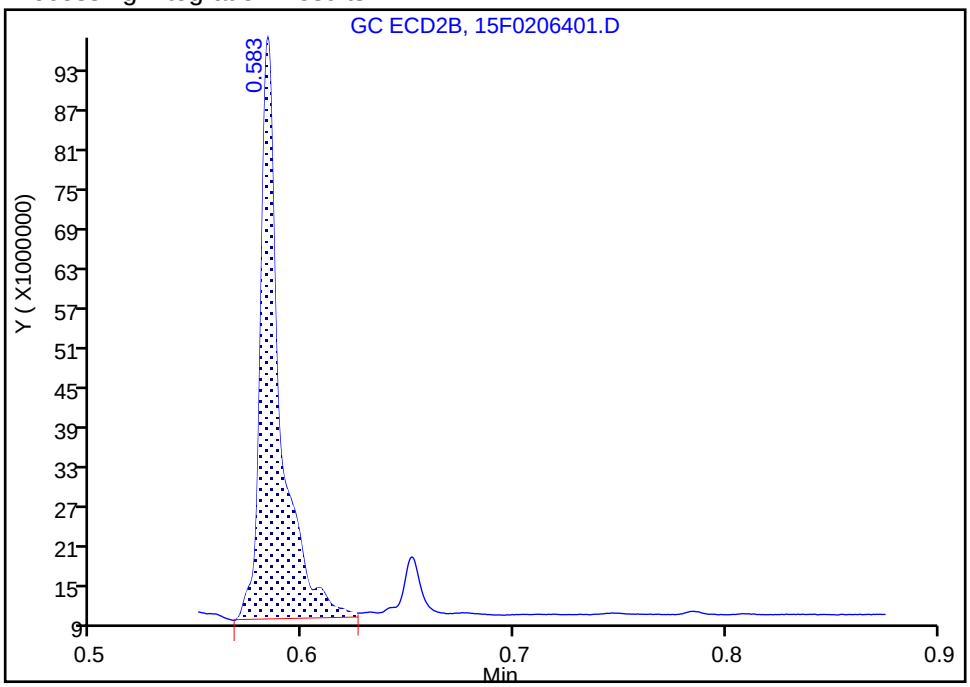
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Injection Date: 11-May-2024 09:31:02 Instrument ID: CPESTGC15
Lims ID: IC HERB 3
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

12 Dalapon, CAS: 75-99-0

Signal: 2

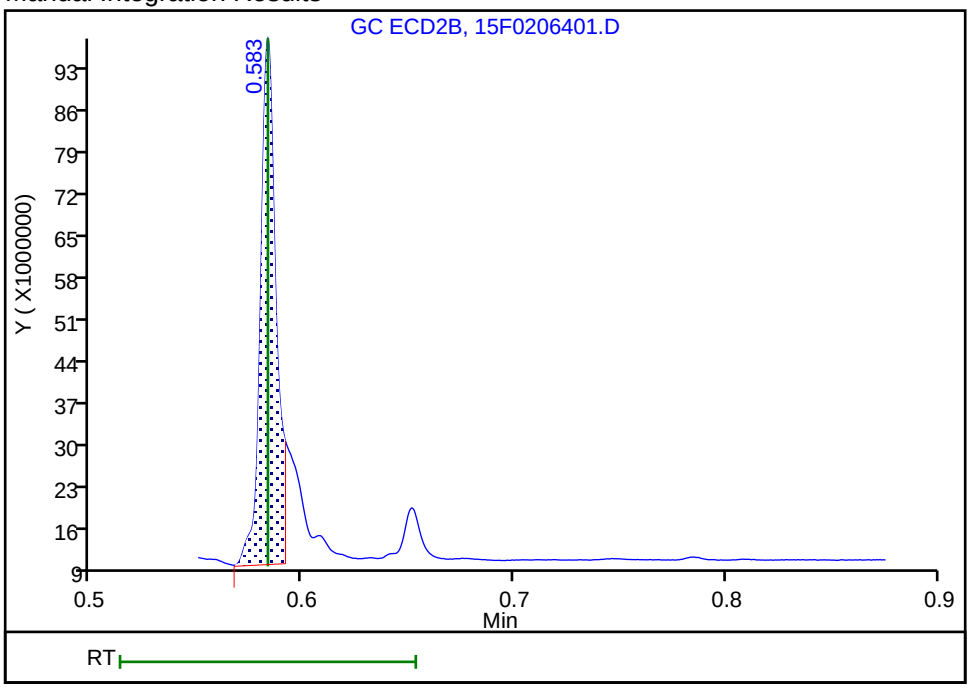
Processing Integration Results

RT: 0.58
Area: 57671475
Amount: 293.5802
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 44988406
Amount: 264.7986
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:14:16 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206402.D
Lims ID: IC HERB 4
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 11-May-2024 09:44:28 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-005
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:43 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:13:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	126941861	500.0	508.8	M
2	0.584	0.584	0.000	86059478	500.0	506.5	M
						RPD = 0.44	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.935	1.935	0.000	214036263	955.0	916.9	
2	1.586	1.586	0.000	165499223	955.0	924.4	
						RPD = 0.82	
1 Dicamba							
1	2.044	2.044	0.000	368695786	470.0	453.3	
2	1.676	1.676	0.000	280546316	470.0	458.3	
						RPD = 1.10	
9 MCPP							
1	2.116	2.116	0.000	30931069	46550	50127	
2	1.781	1.781	0.000	35255159	46550	45962	
						RPD = 8.67	
3 MCPA							
1	2.267	2.267	0.000	48471765	46650	46542	
2	1.858	1.858	0.000	48049120	46650	44465	
						RPD = 4.56	
5 Dichlorprop							
1	2.487	2.487	0.000	110064592	470.0	461.7	
2	2.065	2.065	0.000	87034743	470.0	470.0	
						RPD = 1.79	
8 2,4-D							
1	2.699	2.699	0.000	125183611	495.0	455.6	
2	2.196	2.196	0.000	96551443	495.0	469.8	
						RPD = 3.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.934	2.934	0.000	801755882	225.8	226.3	
2	2.315	2.315	0.000	603295095	225.8	227.5	
						RPD = 0.56	
2 Silvex (2,4,5-TP)							
1	3.254	3.254	0.000	575605697	480.0	470.2	
2	2.712	2.712	0.000	445571213	480.0	474.0	
						RPD = 0.81	
4 2,4,5-T							
1	3.532	3.532	0.000	612067227	475.0	476.7	
2	2.887	2.887	0.000	457190623	475.0	479.0	
						RPD = 0.47	
6 2,4-DB							
1	3.898	3.898	0.000	78010775	480.0	470.2	
2	3.245	3.245	0.000	86533323	480.0	443.0	
						RPD = 5.97	
13 Dinoseb							
1	4.093	4.093	0.000	400072757	480.0	463.7	
2	3.943	3.943	0.000	290193742	480.0	464.7	
						RPD = 0.21	
7 Picloram							
1	4.803	4.803	0.000	440102066	211.0	213.0	
2	3.812	3.812	0.000	298004855	211.0	211.6	
						RPD = 0.63	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL4_00004 Amount Added: 1.00 Units: mL

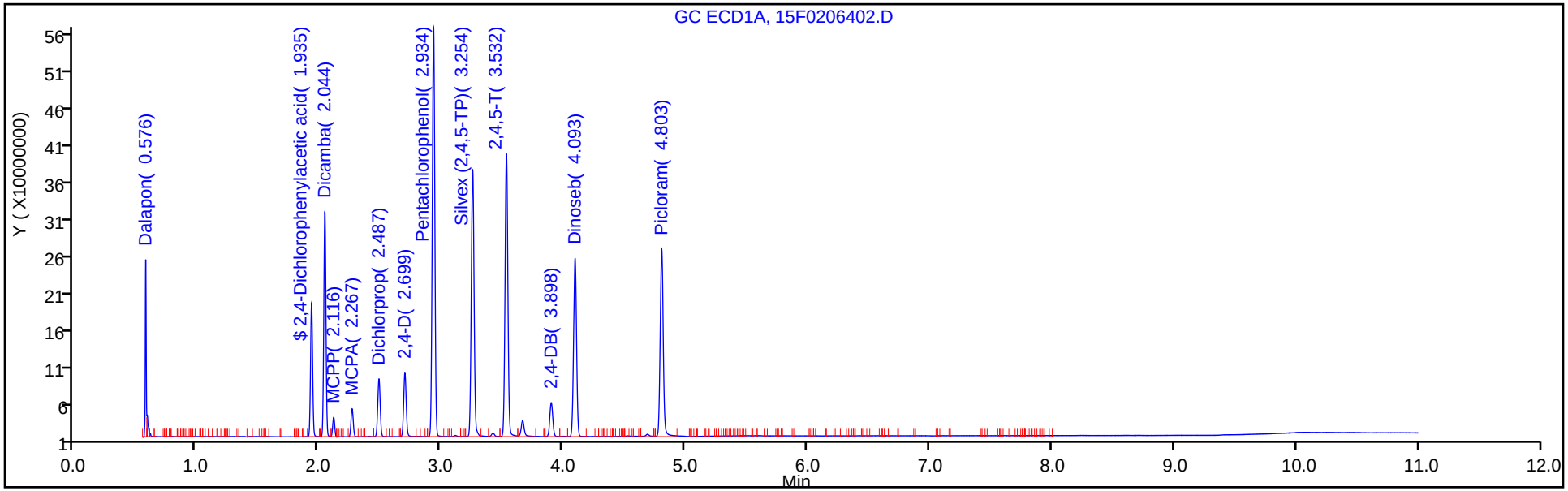
Report Date: 11-May-2024 11:00:43 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

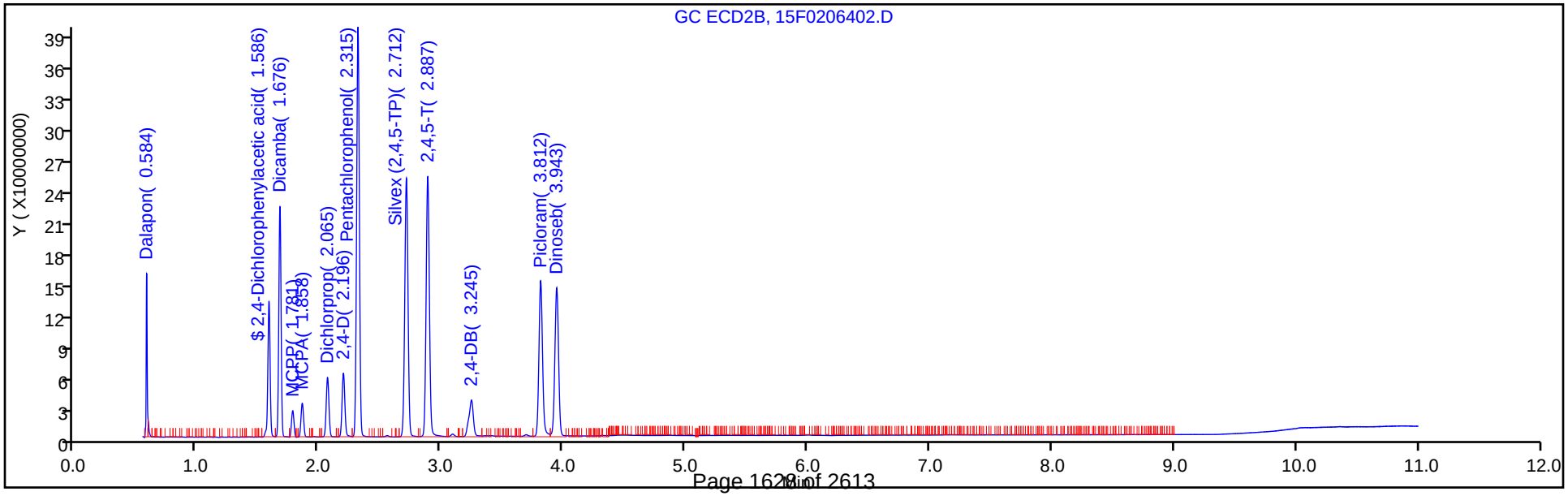
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Injection Date:	11-May-2024 09:44:28	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

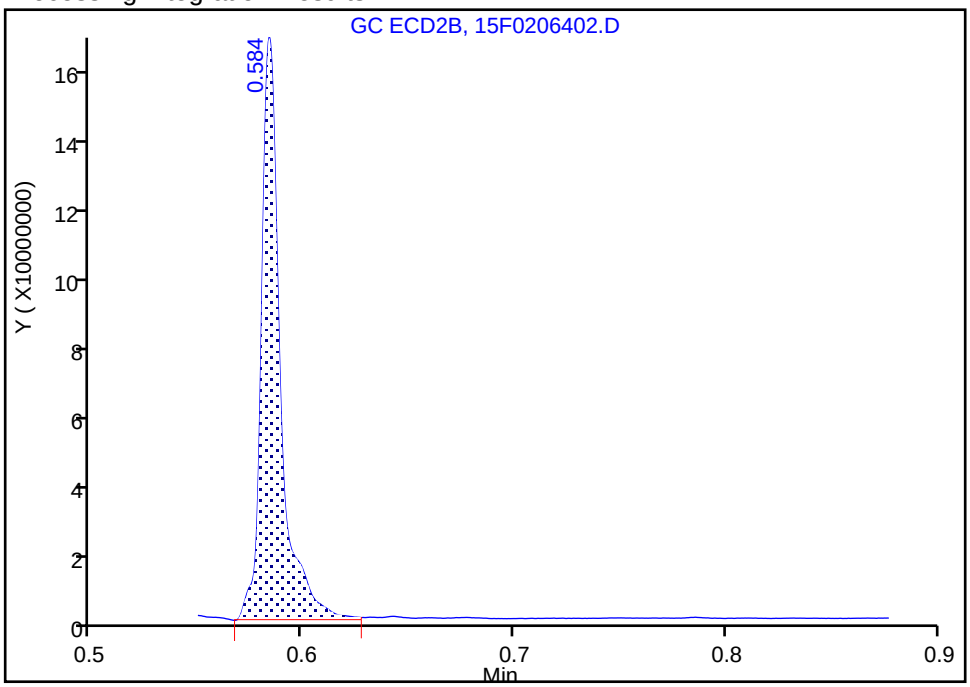
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Injection Date:	11-May-2024 09:44:28	Instrument ID:	CPESTGC15		
Lims ID:	IC HERB 4				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		
Column:	Rtx-CLP Pest 2 (0.53 mm)	Detector	GC ECD2B		

12 Dalapon, CAS: 75-99-0

Signal: 2

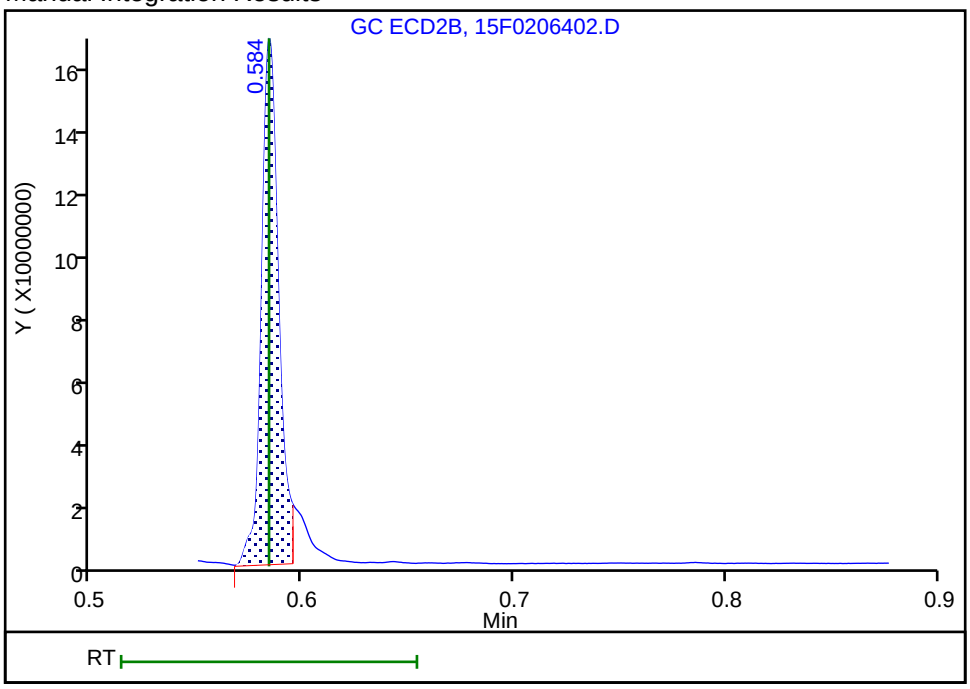
Processing Integration Results

RT: 0.58
Area: 96034341
Amount: 534.5215
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 86059478
Amount: 506.5400
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:14:37 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206403.D
Lims ID: IC HERB 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-May-2024 09:57:51 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-006
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:46 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:14:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	184271704	750.0	738.5	M
2	0.584	0.584	0.000	122673047	750.0	722.0	M
						RPD = 2.26	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.933	1.935	-0.002	319810618	1432.5	1370.0	
2	1.585	1.586	-0.001	247696769	1432.5	1383.6	
						RPD = 0.99	
1 Dicamba							
1	2.043	2.044	-0.001	561875369	705.0	690.7	
2	1.675	1.676	-0.001	423172890	705.0	691.2	
						RPD = 0.07	
9 MCPP							
1	2.115	2.116	-0.001	50311201	69825	81534	
2	1.780	1.781	-0.001	52250256	69825	68118	
						RPD = 17.93	
3 MCPA							
1	2.266	2.267	-0.001	73659825	69975	70727	
2	1.858	1.858	0.000	68785347	69975	63655	
						RPD = 10.53	
5 Dichlorprop							
1	2.486	2.487	-0.001	164259133	705.0	689.0	
2	2.065	2.065	0.000	129530331	705.0	699.6	
						RPD = 1.52	
8 2,4-D							
1	2.699	2.699	0.000	195324849	742.5	710.9	
2	2.195	2.196	-0.001	150507813	742.5	732.4	
						RPD = 2.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.933	2.934	-0.001	1235806407	338.6	348.7	
2	2.315	2.315	0.000	926878337	338.6	349.6	
						RPD = 0.24	
2 Silvex (2,4,5-TP)							
1	3.253	3.254	-0.001	877595987	720.0	716.9	
2	2.711	2.712	-0.001	680632938	720.0	724.1	
						RPD = 1.00	
4 2,4,5-T							
1	3.529	3.532	-0.003	930122333	712.5	724.4	
2	2.885	2.887	-0.002	697484241	712.5	730.7	
						RPD = 0.86	
6 2,4-DB							
1	3.897	3.898	-0.001	121137826	720.0	730.2	
2	3.243	3.245	-0.002	142179622	720.0	727.8	
						RPD = 0.32	
13 Dinoseb							
1	4.092	4.093	-0.001	618940981	720.0	717.4	
2	3.942	3.943	-0.001	454142001	720.0	727.3	
						RPD = 1.36	
7 Picloram							
1	4.801	4.803	-0.002	673346695	316.5	325.9	
2	3.811	3.812	-0.001	457007219	316.5	324.6	
						RPD = 0.40	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL5_00005 Amount Added: 1.00 Units: mL

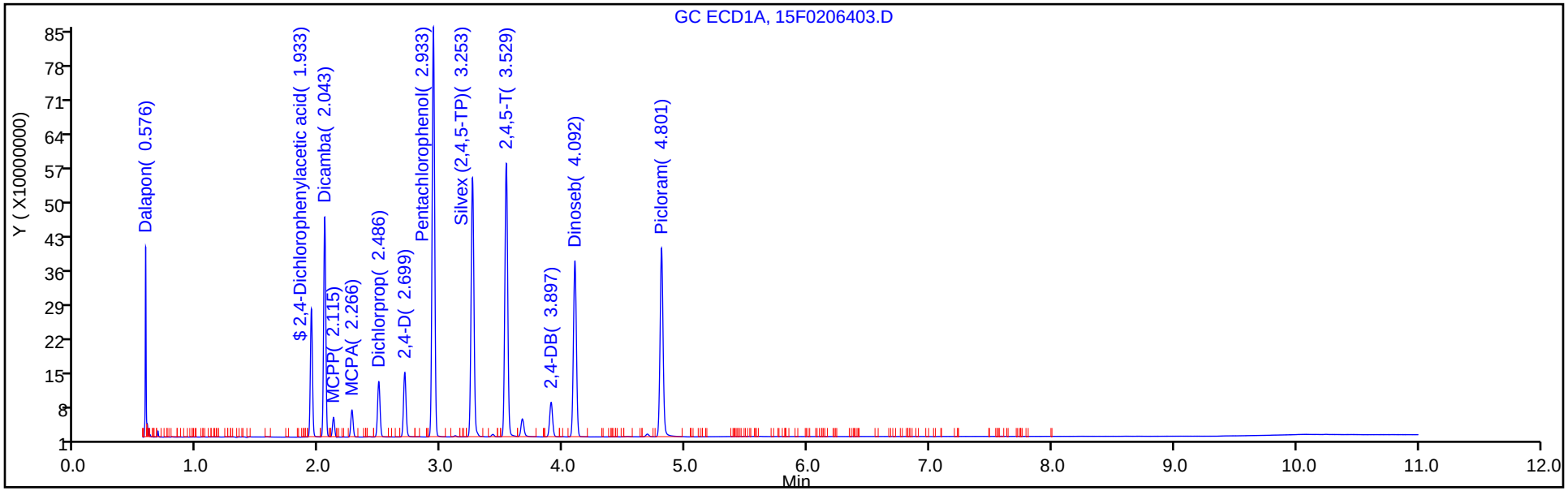
Report Date: 11-May-2024 11:00:47 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

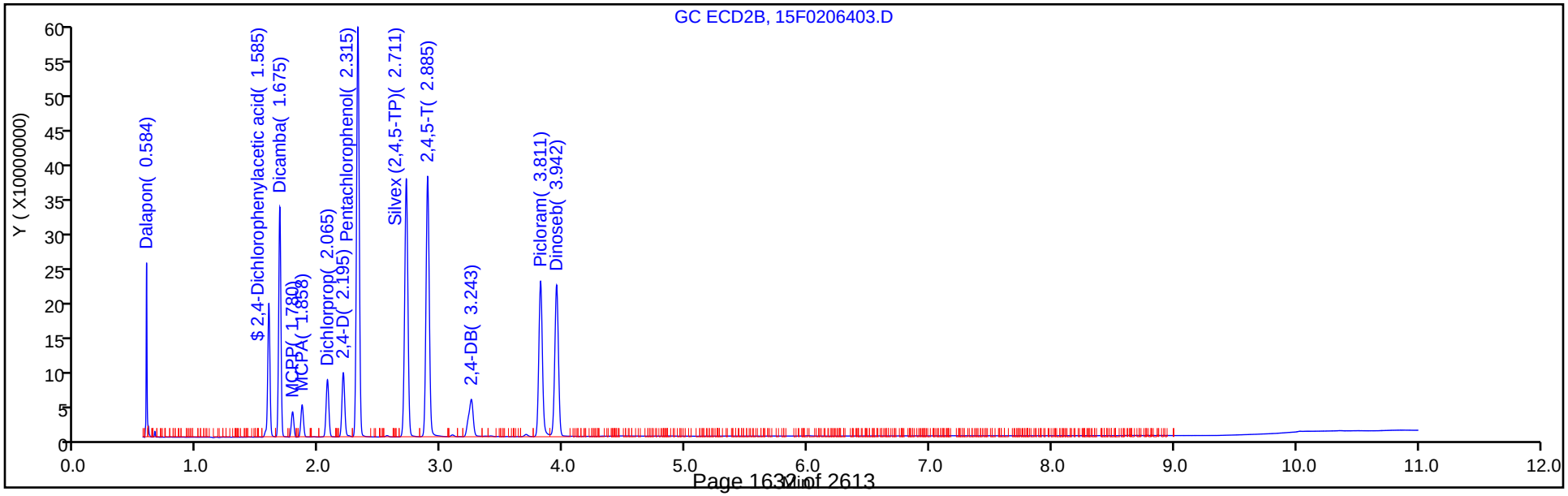
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206403.D

Injection Date:	11-May-2024 09:57:51	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

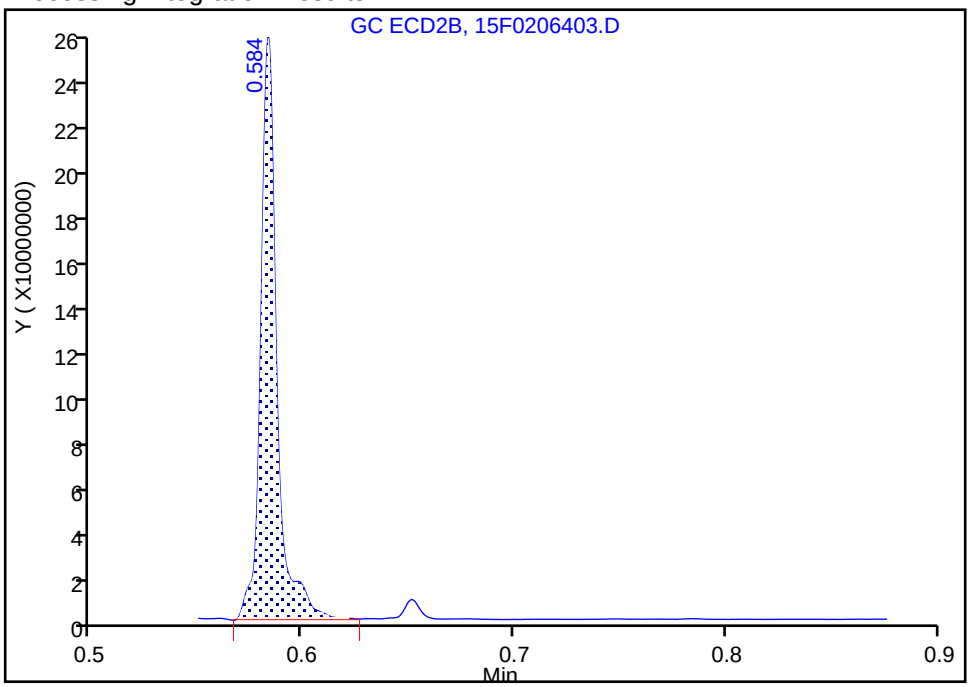
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Injection Date:	11-May-2024 09:57:51	Instrument ID:	CPESTGC15		
Lims ID:	IC HERB 5				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		
Column:	Rtx-CLP Pest 2 (0.53 mm)	Detector	GC ECD2B		

12 Dalapon, CAS: 75-99-0

Signal: 2

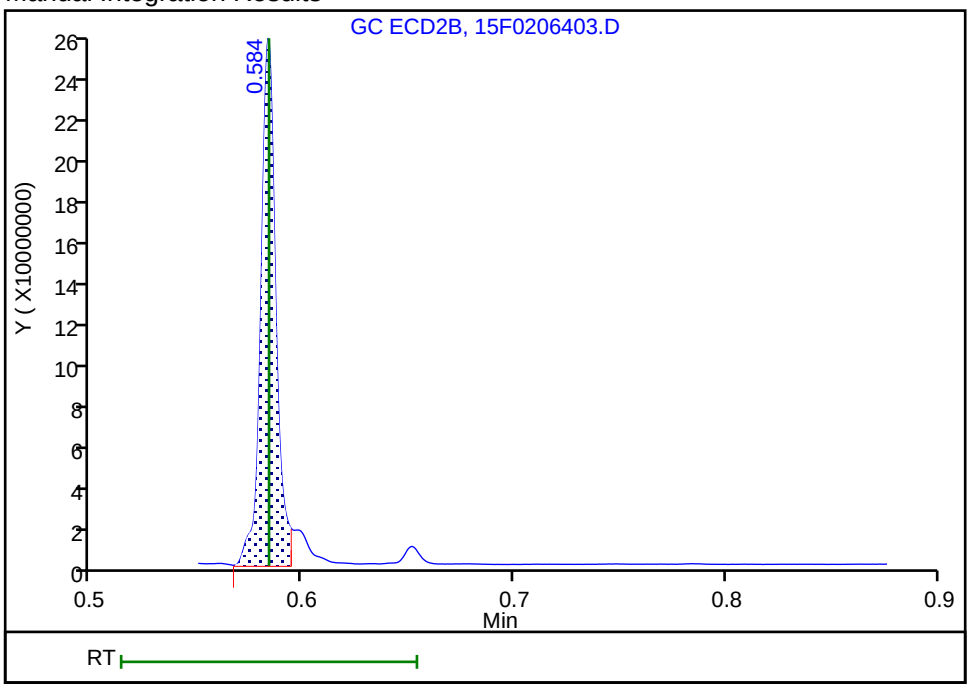
Processing Integration Results

RT: 0.58
Area: 133207216
Amount: 758.2629
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 122673047
Amount: 722.0448
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:14:44 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D
Lims ID: IC HERB 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-May-2024 10:11:15 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-007
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:00:49 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:33:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	235959834	1000.0	945.7	M
2	0.584	0.584	0.000	155054964	1000.0	912.6	M
						RPD = 3.56	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.934	1.935	-0.001	400602449	1910.0	1716.1	
2	1.585	1.586	-0.001	312106687	1910.0	1743.4	
						RPD = 1.58	
1 Dicamba							
1	2.043	2.044	-0.001	709563844	940.0	872.3	
2	1.675	1.676	-0.001	535130541	940.0	874.1	
						RPD = 0.21	
9 MCPP							
1	2.115	2.116	-0.001	64585728	93100	104667	
2	1.780	1.781	-0.001	64695686	93100	84343	
						RPD = 21.51	
3 MCPA							
1	2.266	2.267	-0.001	92573942	93300	88887	
2	1.858	1.858	0.000	84273160	93300	77987	
						RPD = 13.06	
5 Dichlorprop							
1	2.485	2.487	-0.002	209010176	940.0	876.7	
2	2.065	2.065	0.000	164630073	940.0	889.1	
						RPD = 1.40	
8 2,4-D							
1	2.698	2.699	-0.001	239460428	990.0	871.5	
2	2.194	2.196	-0.002	184545531	990.0	898.1	
						RPD = 3.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.934	2.934	0.000	1603983322	451.5	452.6	
2	2.315	2.315	0.000	1201455316	451.5	453.1	
						RPD = 0.11	
2 Silvex (2,4,5-TP)							
1	3.253	3.254	-0.001	1103187726	960.0	901.2	
2	2.711	2.712	-0.001	860186670	960.0	915.1	
						RPD = 1.53	
4 2,4,5-T							
1	3.531	3.532	-0.001	1184440919	950.0	922.5	
2	2.886	2.887	-0.001	891655752	950.0	934.1	
						RPD = 1.25	
6 2,4-DB							
1	3.897	3.898	-0.001	157644847	960.0	950.3	
2	3.244	3.245	-0.001	173353239	960.0	887.4	
						RPD = 6.84	
13 Dinoseb							
1	4.093	4.093	0.000	783022242	960.0	907.6	
2	3.942	3.943	-0.001	577912858	960.0	925.5	
						RPD = 1.95	
7 Picloram							
1	4.801	4.803	-0.002	861927512	422.0	417.1	
2	3.811	3.812	-0.001	585531205	422.0	415.9	
						RPD = 0.31	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL6_00003 Amount Added: 1.00 Units: mL

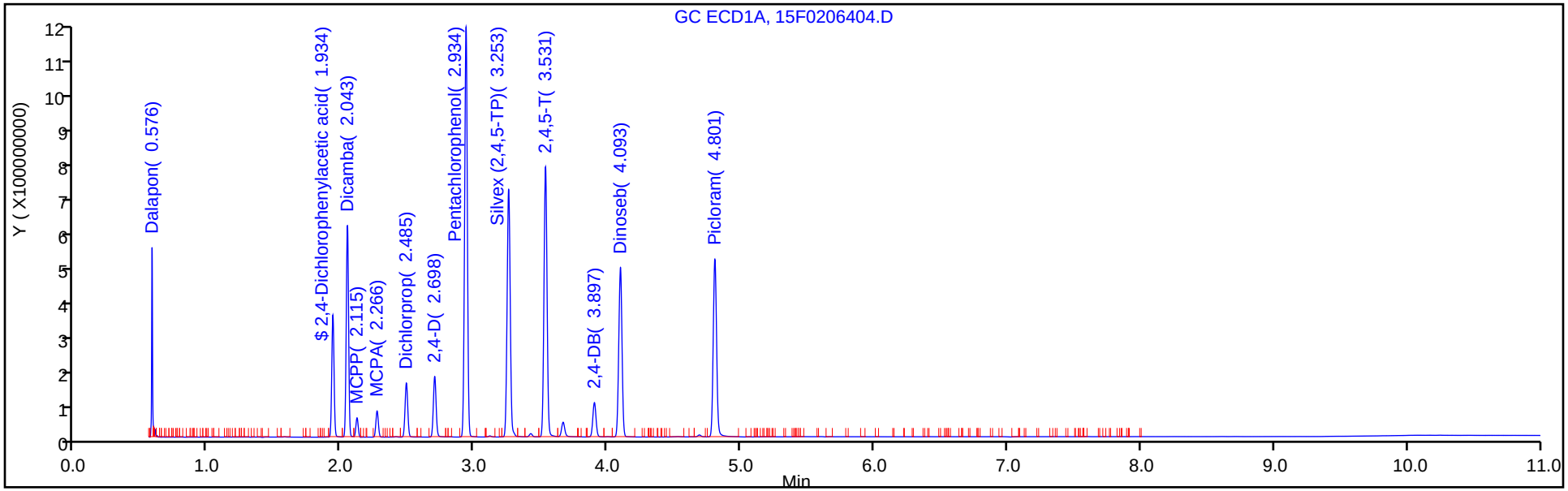
Report Date: 11-May-2024 11:00:50 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

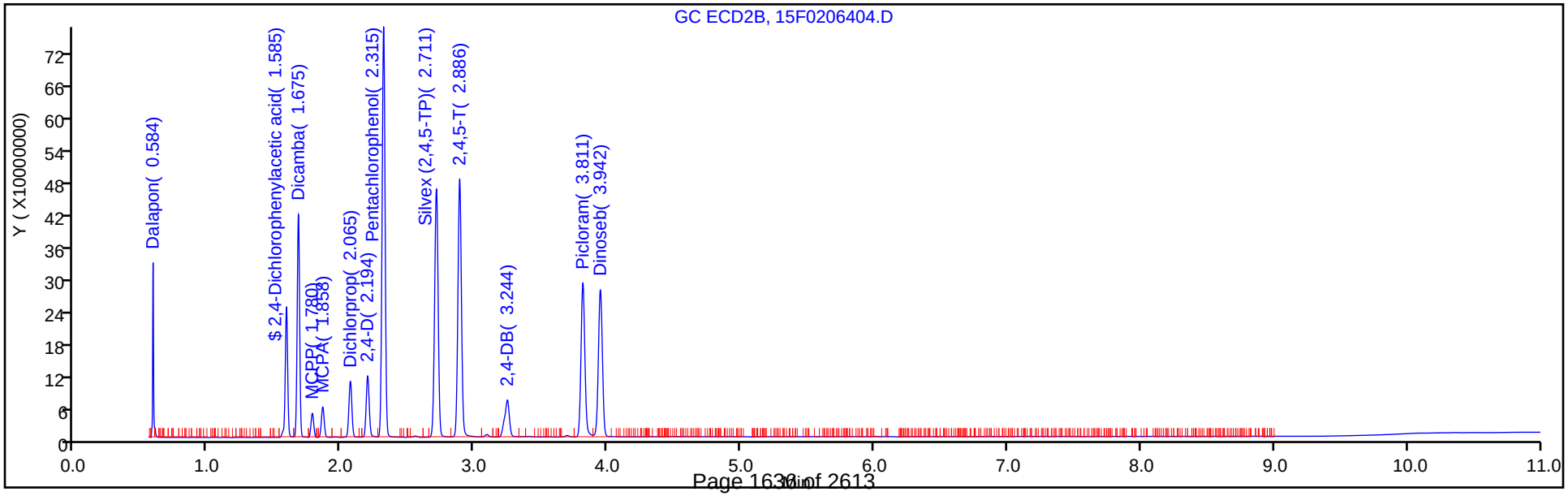
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Injection Date:	11-May-2024 10:11:15	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	IC HERB 6			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

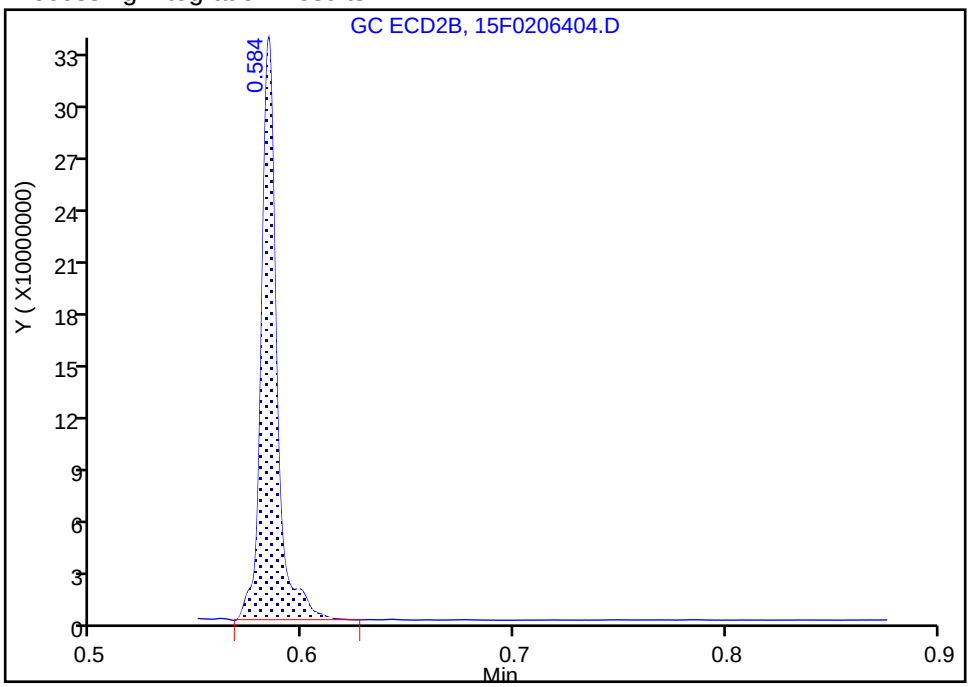
Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Injection Date:	11-May-2024 10:11:15	Instrument ID:	CPESTGC15		
Lims ID:	IC HERB 6				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		
Column:	Rtx-CLP Pest 2 (0.53 mm)	Detector	GC ECD2B		

12 Dalapon, CAS: 75-99-0

Signal: 2

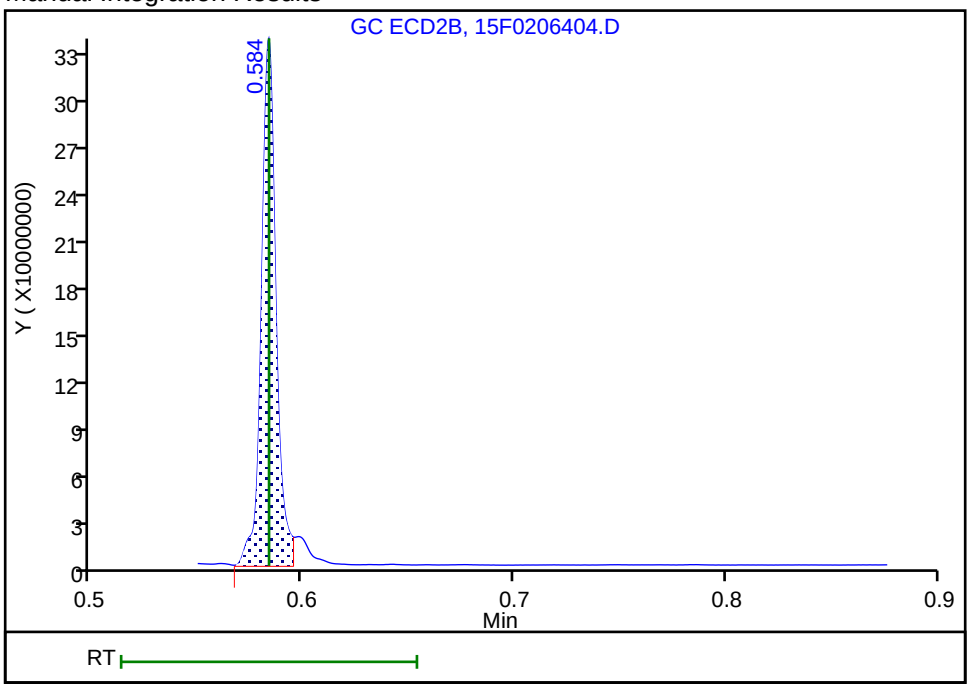
Processing Integration Results

RT: 0.58
Area: 164779336
Amount: 960.7147
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 155054964
Amount: 912.6425
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:33:37 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Calibration / Dalapon

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

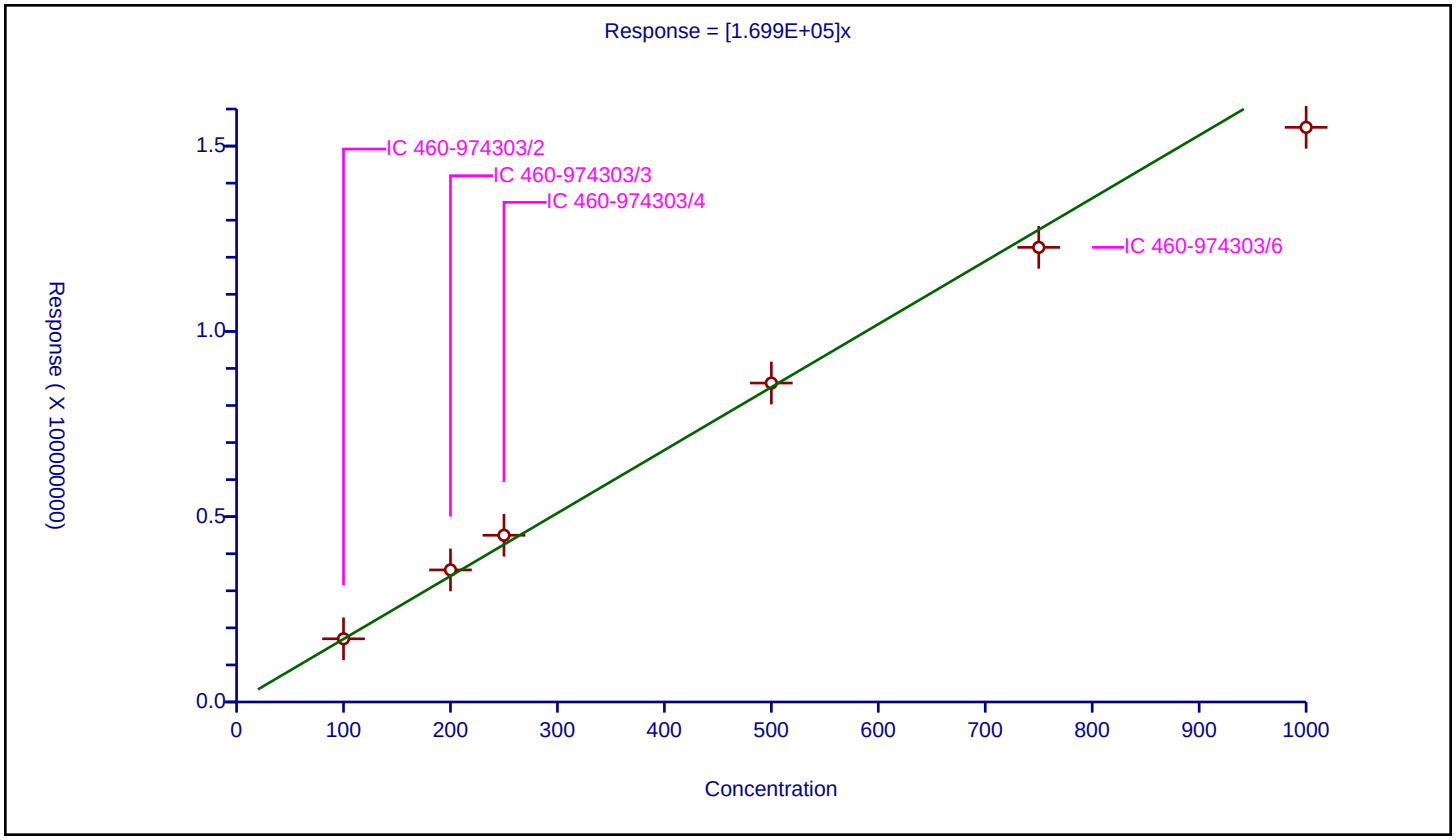
Curve Coefficients

Intercept:	0
Slope:	1.699E+05

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	100.0	17052004.0			170520.04	Y
2	IC 460-974303/3	200.0	35633733.0			178168.665	Y
3	IC 460-974303/4	250.0	44988406.0			179953.624	Y
4	IC 460-974303/5	500.0	86059478.0			172118.956	Y
5	IC 460-974303/6	750.0	122673047.0			163564.062667	Y
6	IC 460-974303/7	1000.0	155054964.0			155054.964	Y



Calibration / 2,4-Dichlorophenylacetic acid

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

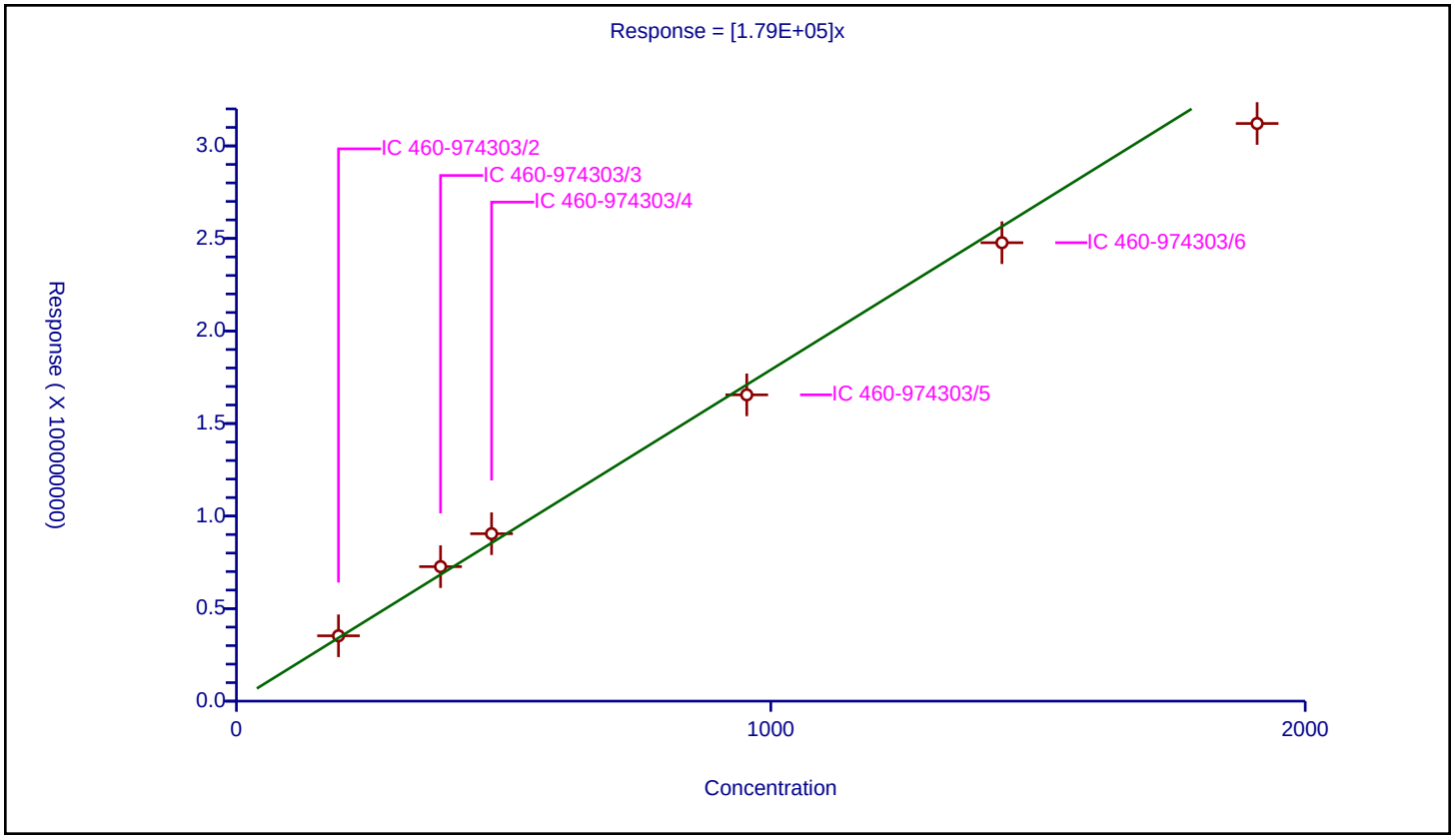
Curve Coefficients

Intercept:	0
Slope:	1.79E+05

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	191.0	35307735.0			184857.251309	Y
2	IC 460-974303/3	382.0	72666432.0			190226.26178	Y
3	IC 460-974303/4	477.5	90462849.0			189450.99267	Y
4	IC 460-974303/5	955.0	165499223.0			173297.615707	Y
5	IC 460-974303/6	1432.5	247696769.0			172912.229668	Y
6	IC 460-974303/7	1910.0	312106687.0			163406.642408	Y



Calibration / Dicamba

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

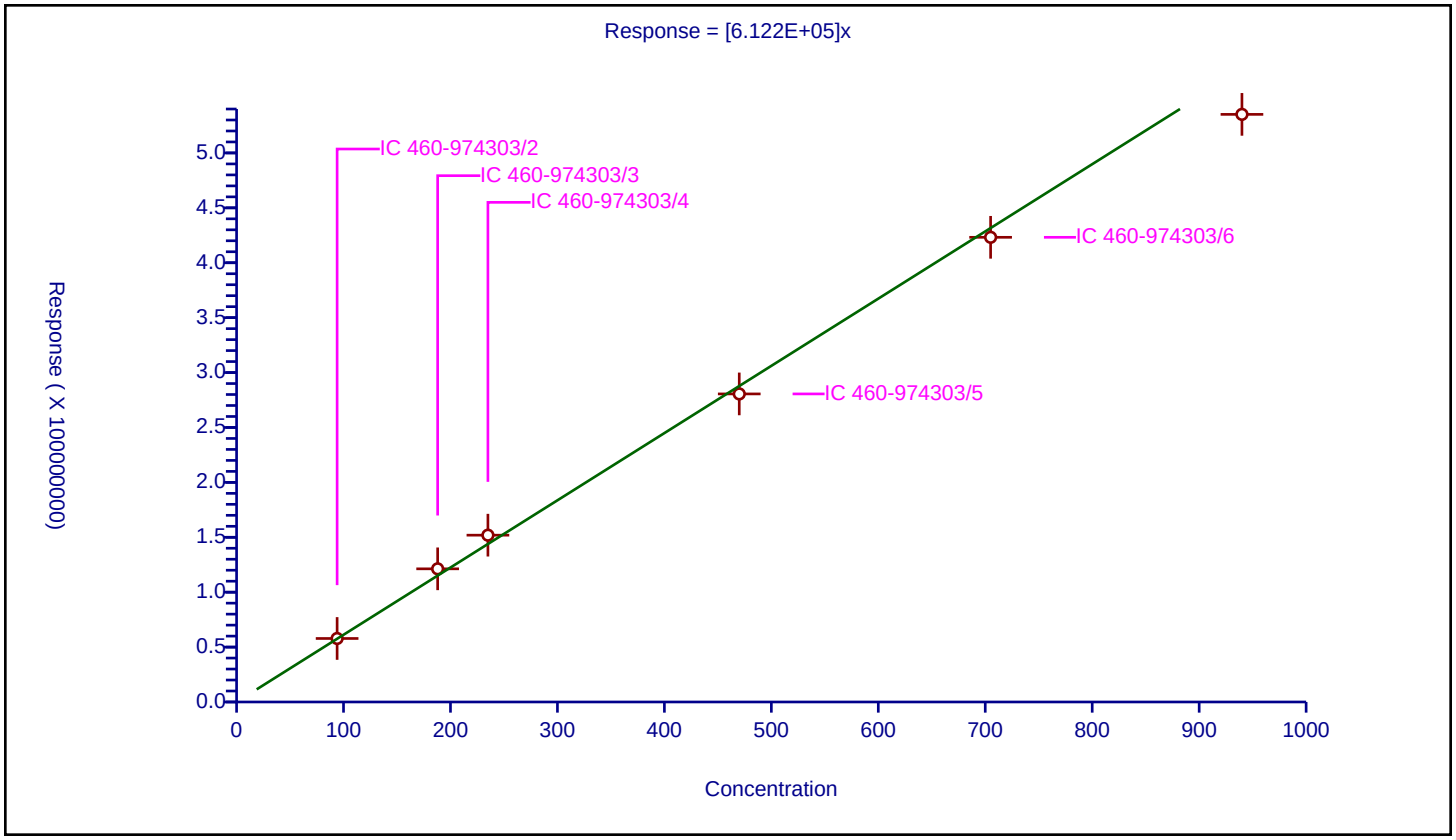
Curve Coefficients

Intercept:	0
Slope:	6.122E+05

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	94.0	57833495.0			615249.946809	Y
2	IC 460-974303/3	188.0	121272374.0			645065.819149	Y
3	IC 460-974303/4	235.0	151904733.0			646403.119149	Y
4	IC 460-974303/5	470.0	280546316.0			596907.055319	Y
5	IC 460-974303/6	705.0	423172890.0			600245.234043	Y
6	IC 460-974303/7	940.0	535130541.0			569287.809574	Y



Calibration / MCPP

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

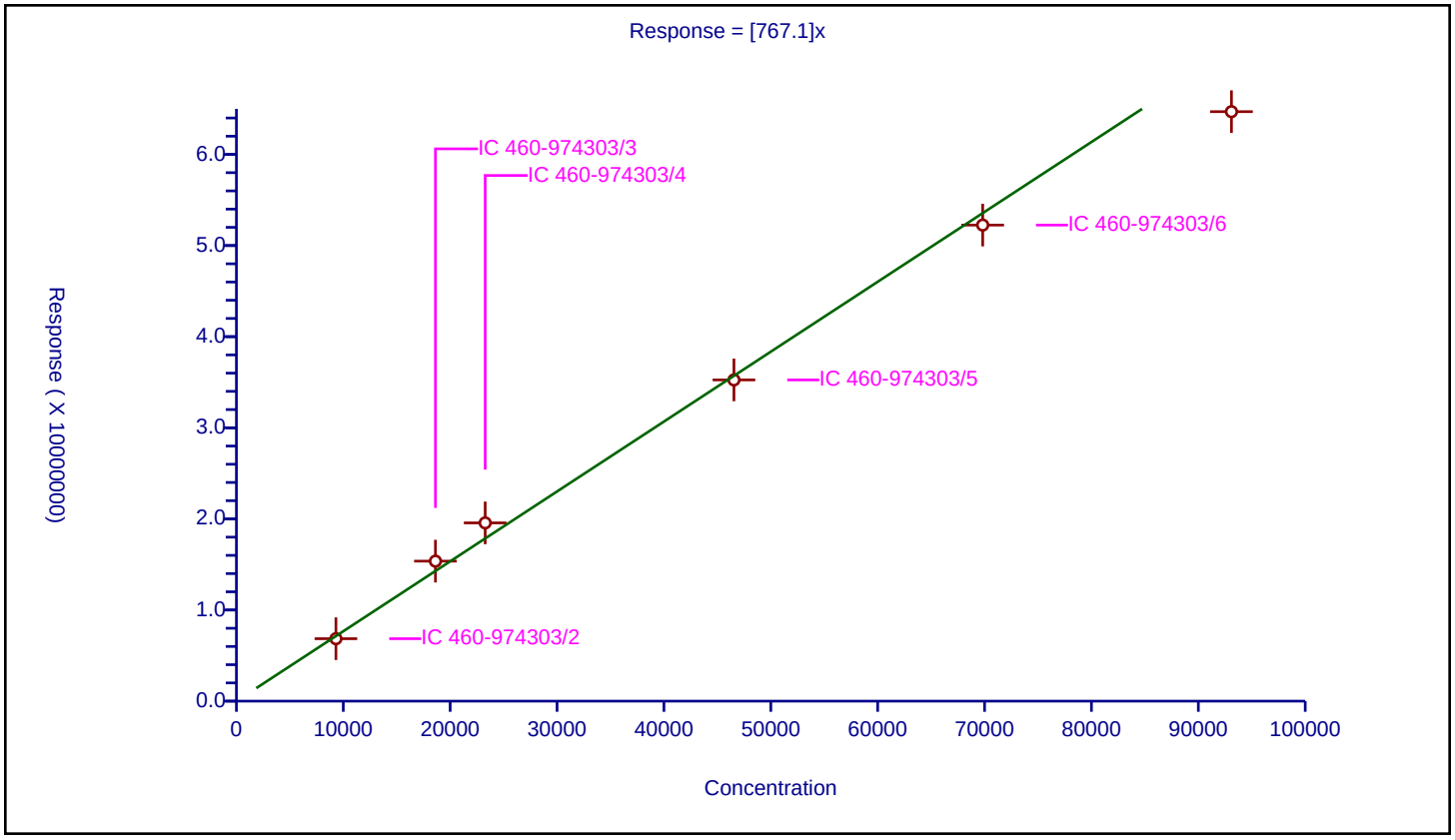
Curve Coefficients

Intercept:	0
Slope:	767.1

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	9310.0	6852853.0			736.074436	Y
2	IC 460-974303/3	18620.0	15364520.0			825.162191	Y
3	IC 460-974303/4	23275.0	19563402.0			840.532846	Y
4	IC 460-974303/5	46550.0	35255159.0			757.361096	Y
5	IC 460-974303/6	69825.0	52250256.0			748.302986	Y
6	IC 460-974303/7	93100.0	64695686.0			694.905328	Y



Calibration / MCPA

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

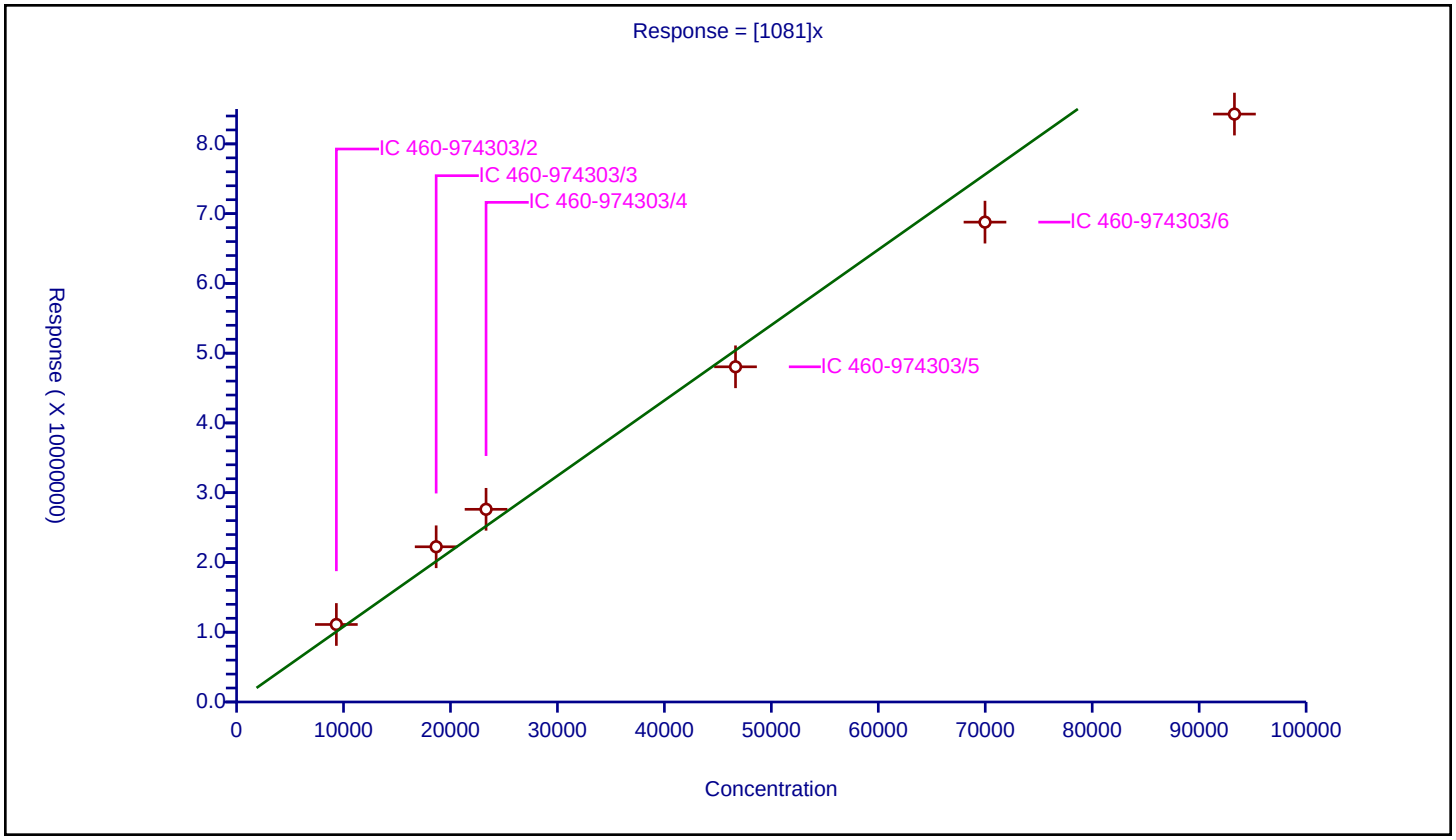
Curve Coefficients

Intercept:	0
Slope:	1081

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	9330.0	11110507.0			1190.836763	Y
2	IC 460-974303/3	18660.0	22249999.0			1192.390086	Y
3	IC 460-974303/4	23325.0	27620272.0			1184.148853	Y
4	IC 460-974303/5	46650.0	48049120.0			1029.991854	Y
5	IC 460-974303/6	69975.0	68785347.0			982.998885	Y
6	IC 460-974303/7	93300.0	84273160.0			903.249303	Y



Calibration / Dichlorprop

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

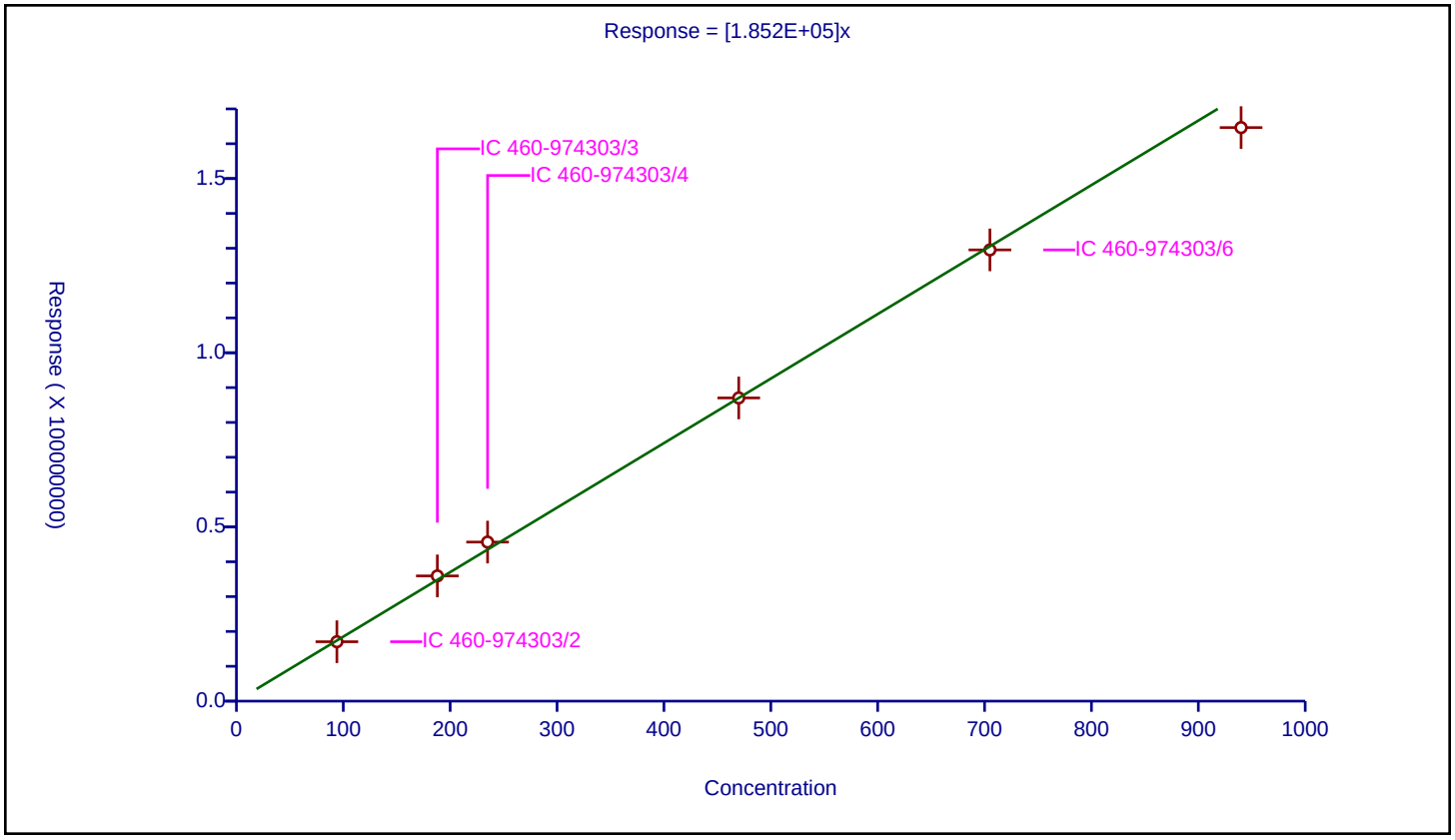
Curve Coefficients

Intercept:	0
Slope:	1.852E+05

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	94.0	17055586.0			181442.404255	Y
2	IC 460-974303/3	188.0	35940556.0			191173.170213	Y
3	IC 460-974303/4	235.0	45660292.0			194299.114894	Y
4	IC 460-974303/5	470.0	87034743.0			185180.304255	Y
5	IC 460-974303/6	705.0	129530331.0			183730.965957	Y
6	IC 460-974303/7	940.0	164630073.0			175138.375532	Y



Calibration / 2,4-D

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

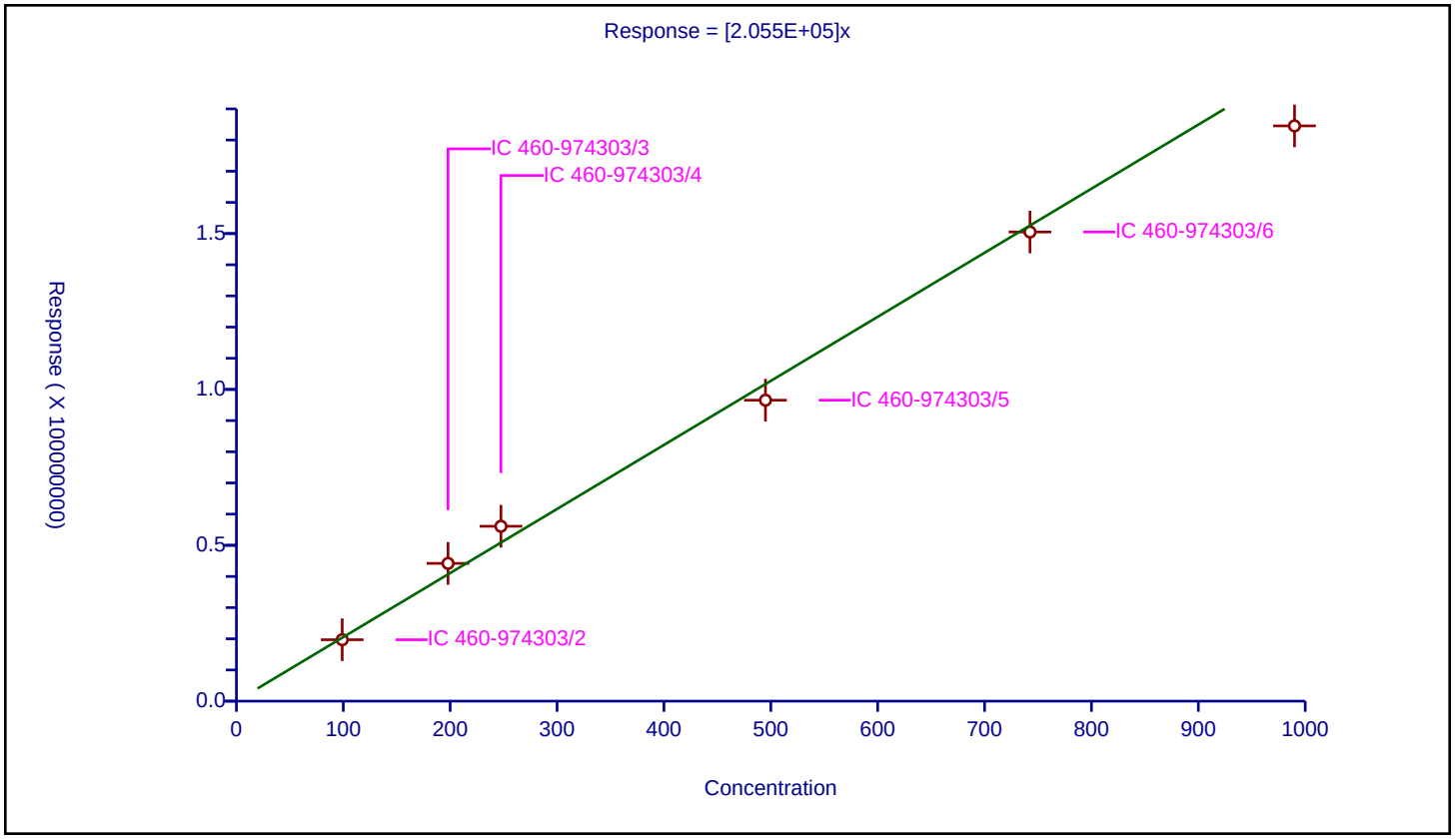
Curve Coefficients

Intercept:	0
Slope:	2.055E+05

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	99.0	19698286.0			198972.585859	Y
2	IC 460-974303/3	198.0	44187346.0			223168.414141	Y
3	IC 460-974303/4	247.5	56098851.0			226662.024242	Y
4	IC 460-974303/5	495.0	96551443.0			195053.420202	Y
5	IC 460-974303/6	742.5	150507813.0			202704.125253	Y
6	IC 460-974303/7	990.0	184545531.0			186409.627273	Y



Calibration / Pentachlorophenol

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

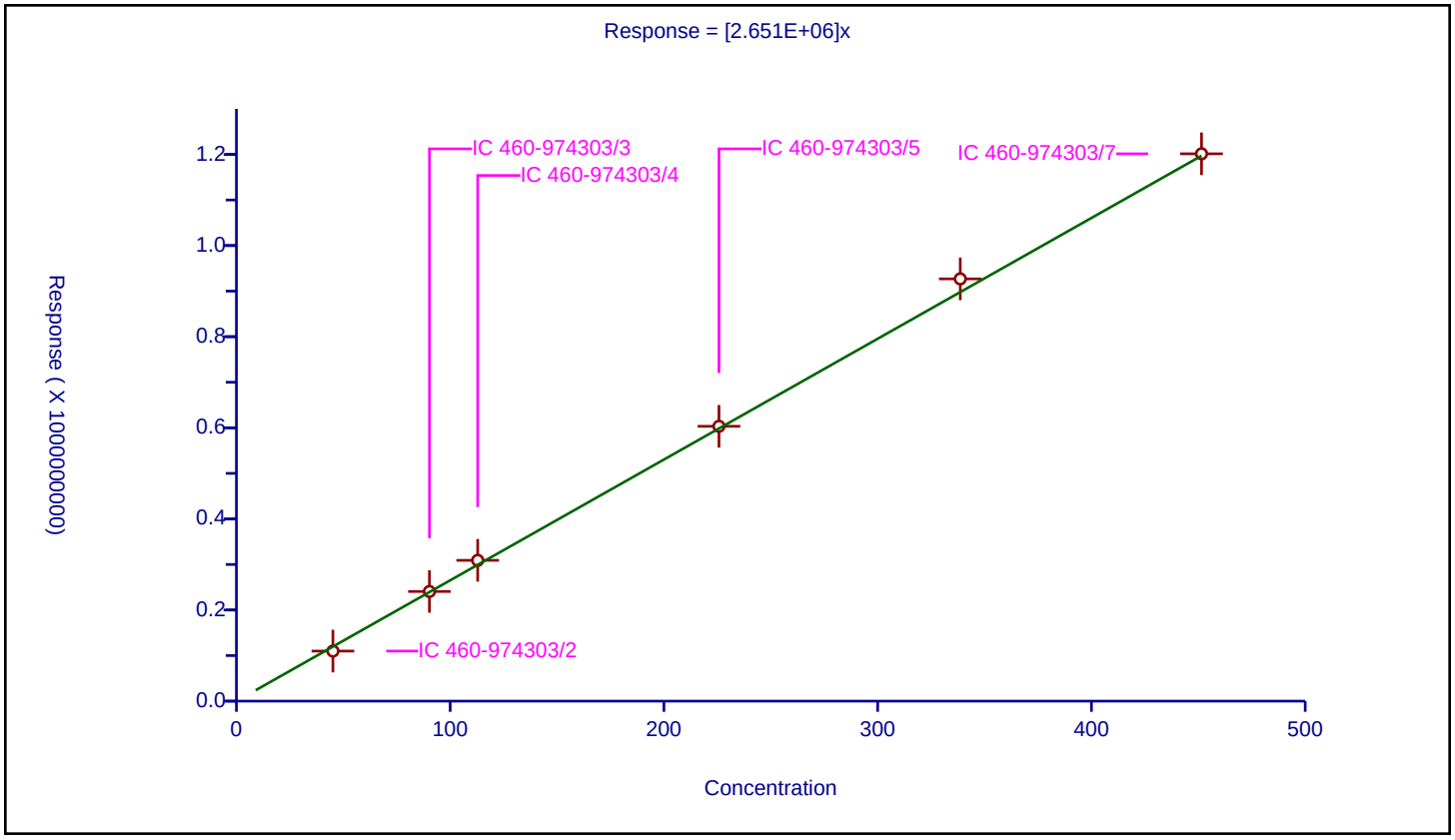
Curve Coefficients

Intercept:	0
Slope:	2.651E+06

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	45.15	109896152.0			2434023.300111	Y
2	IC 460-974303/3	90.3	240716527.0			2665742.27021	Y
3	IC 460-974303/4	112.875	309089265.0			2738332.358804	Y
4	IC 460-974303/5	225.75	603295095.0			2672403.521595	Y
5	IC 460-974303/6	338.625	926878337.0			2737182.242894	Y
6	IC 460-974303/7	451.5	1201455316.0			2661030.600221	Y



Calibration / Silvex (2,4,5-TP)

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

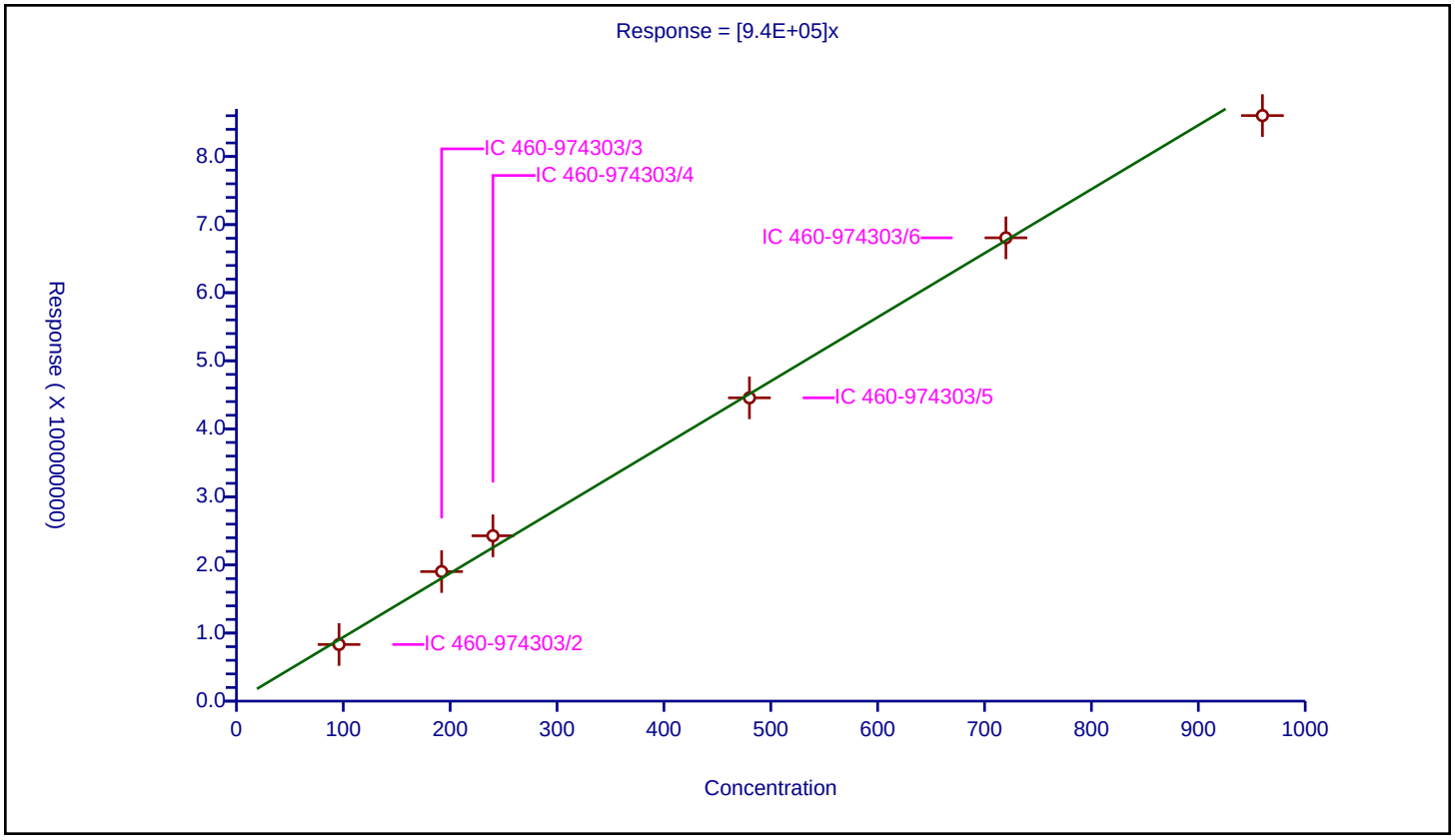
Curve Coefficients

Intercept:	0
Slope:	9.4E+05

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	96.0	83231045.0			866990.052083	Y
2	IC 460-974303/3	192.0	190310883.0			991202.515625	Y
3	IC 460-974303/4	240.0	242910630.0			1012127.625	Y
4	IC 460-974303/5	480.0	445571213.0			928273.360417	Y
5	IC 460-974303/6	720.0	680632938.0			945323.525	Y
6	IC 460-974303/7	960.0	860186670.0			896027.78125	Y



Calibration / 2,4,5-T

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

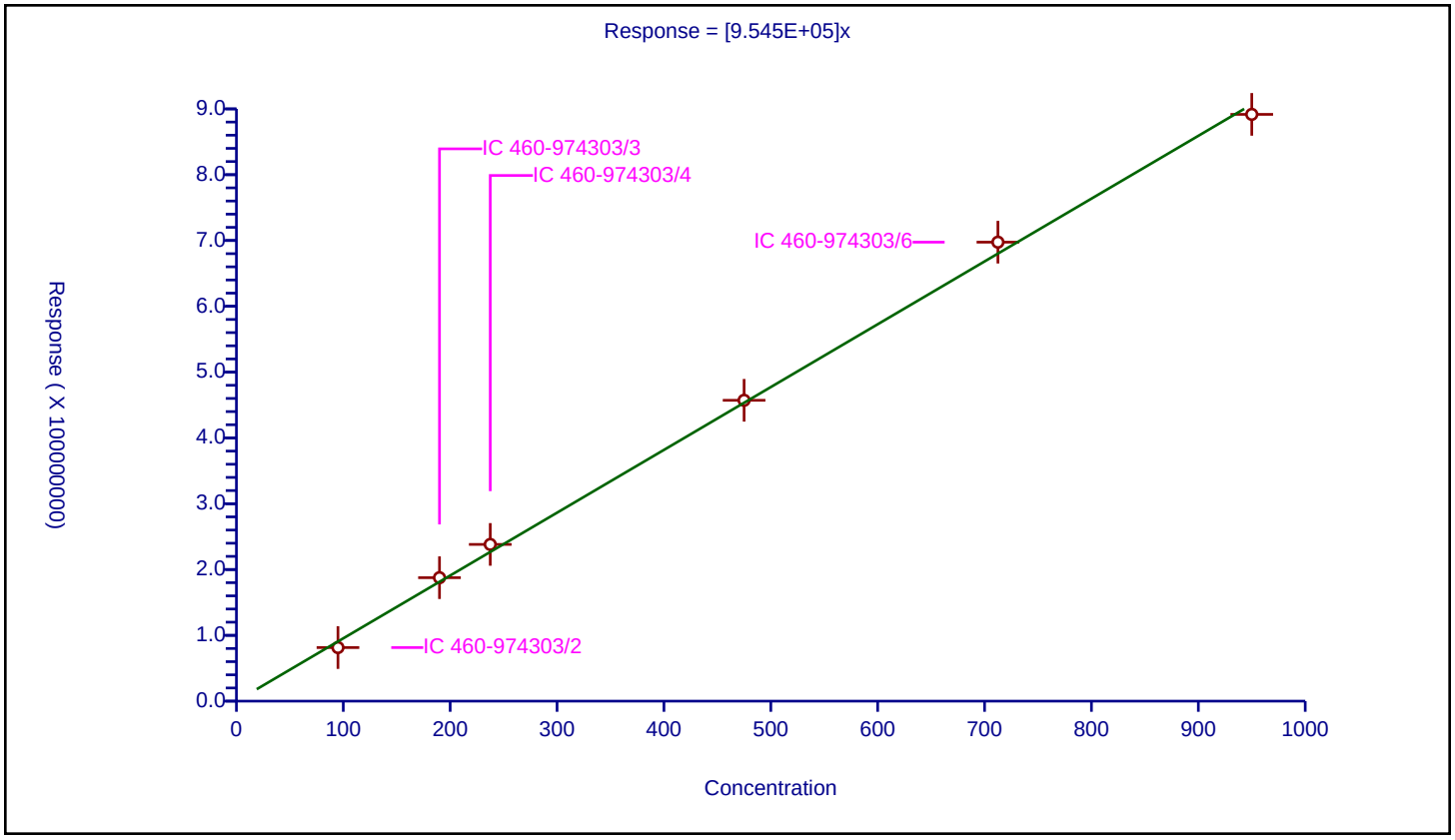
Curve Coefficients

Intercept:	0
Slope:	9.545E+05

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	95.0	81404504.0			856889.515789	Y
2	IC 460-974303/3	190.0	187607143.0			987406.015789	Y
3	IC 460-974303/4	237.5	238156939.0			1002766.058947	Y
4	IC 460-974303/5	475.0	457190623.0			962506.574737	Y
5	IC 460-974303/6	712.5	697484241.0			978925.250526	Y
6	IC 460-974303/7	950.0	891655752.0			938585.002105	Y



Calibration / 2,4-DB

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

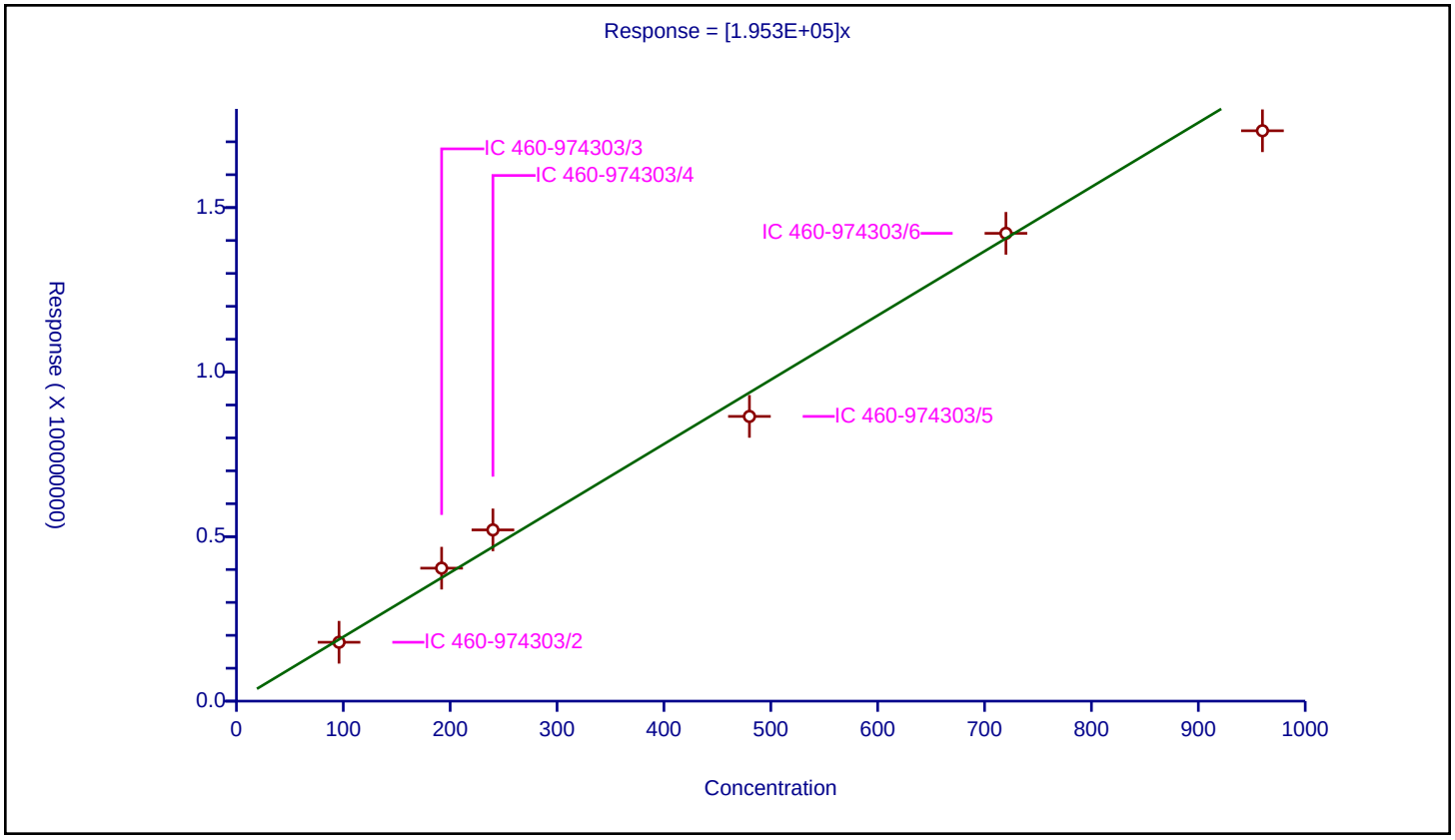
Curve Coefficients

Intercept:	0
Slope:	1.953E+05

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	96.0	17893546.0			186391.104167	Y
2	IC 460-974303/3	192.0	40415590.0			210497.864583	Y
3	IC 460-974303/4	240.0	52045314.0			216855.475	Y
4	IC 460-974303/5	480.0	86533323.0			180277.75625	Y
5	IC 460-974303/6	720.0	142179622.0			197471.697222	Y
6	IC 460-974303/7	960.0	173353239.0			180576.290625	Y



Calibration / Picloram

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

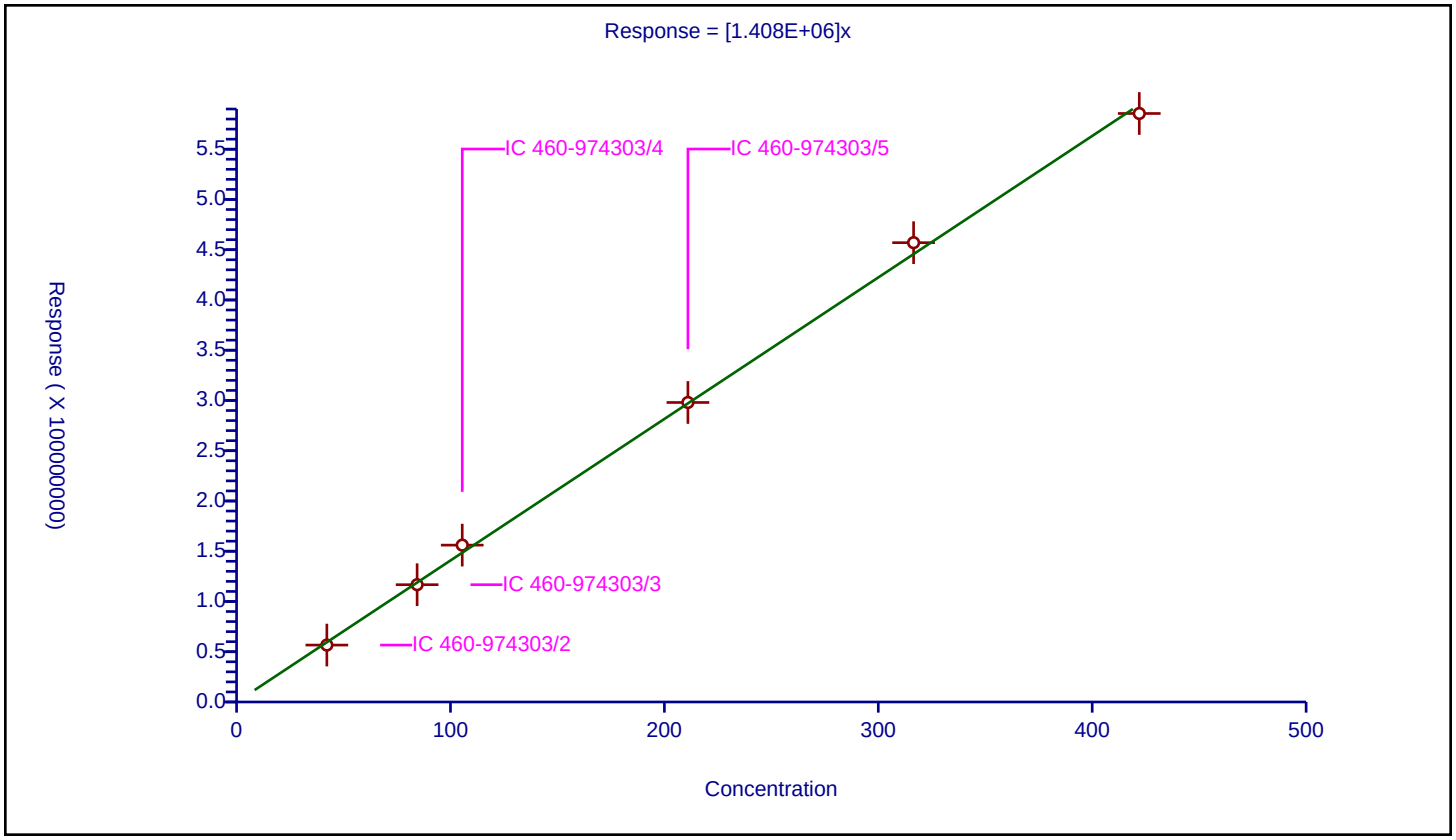
Curve Coefficients

Intercept:	0
Slope:	1.408E+06

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	42.2	56630718.0			1341960.14218	Y
2	IC 460-974303/3	84.4	116715699.0			1382887.42891	Y
3	IC 460-974303/4	105.5	156090366.0			1479529.535545	Y
4	IC 460-974303/5	211.0	298004855.0			1412345.28436	Y
5	IC 460-974303/6	316.5	457007219.0			1443940.660348	Y
6	IC 460-974303/7	422.0	585531205.0			1387514.703791	Y



Calibration / Dinoseb

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

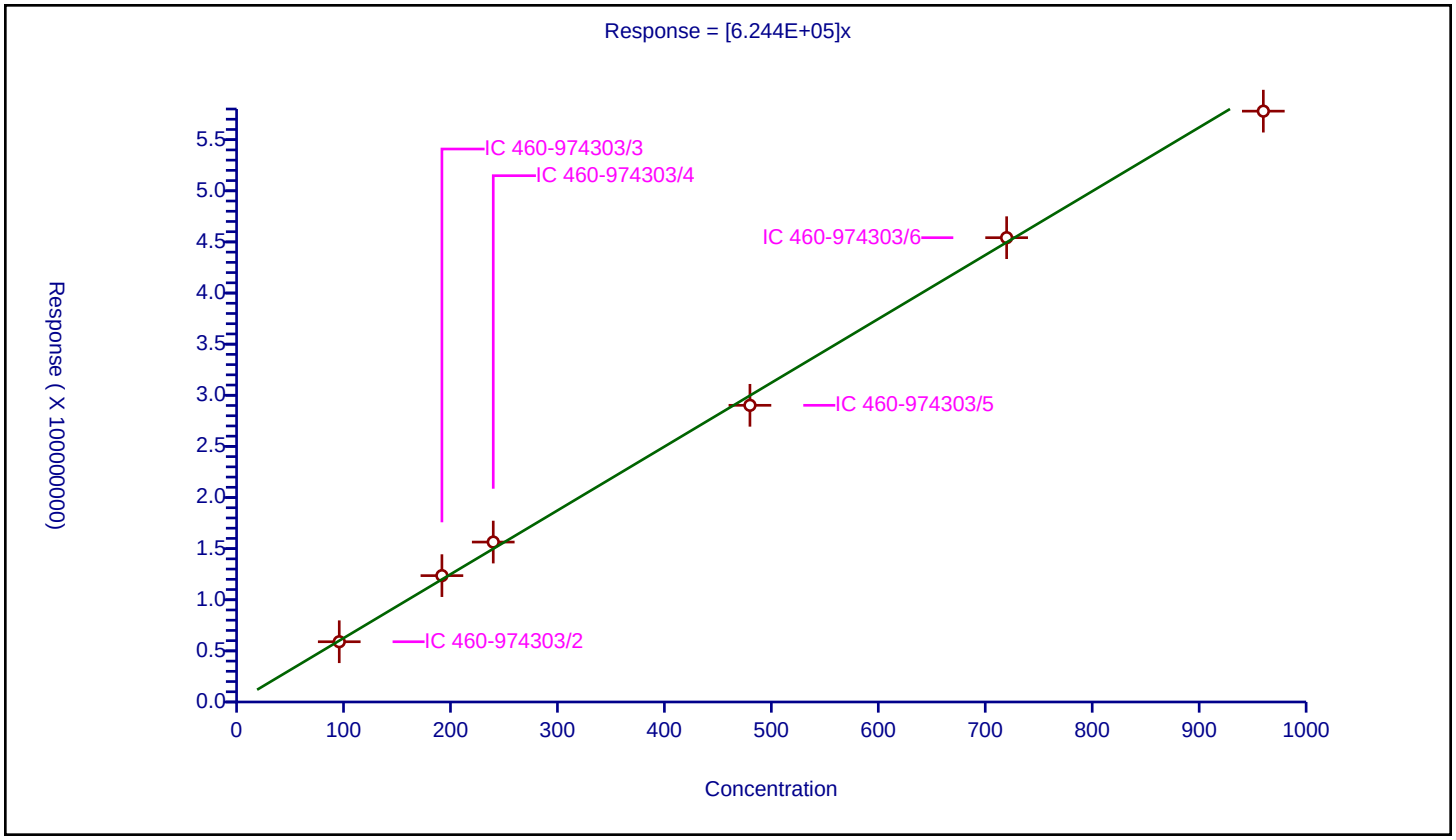
Curve Coefficients

Intercept:	0
Slope:	6.244E+05

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-974303/2	96.0	58923830.0			613789.895833	Y
2	IC 460-974303/3	192.0	123604571.0			643773.807292	Y
3	IC 460-974303/4	240.0	156423825.0			651765.9375	Y
4	IC 460-974303/5	480.0	290193742.0			604570.295833	Y
5	IC 460-974303/6	720.0	454142001.0			630752.779167	Y
6	IC 460-974303/7	960.0	577912858.0			601992.560417	Y



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-974303/8 Calibration Date: 05/11/2024 10:24

Instrument ID: CPESTGC15 Calib Start Date: 05/11/2024 09:04

GC Column: DB-5 ID: 0.53(mm) Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206405.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	249508	271201		543	500	8.7	15.0
Dicamba	Ave	813438	804382		494	500	-1.1	15.0
Mecoprop	Ave	617.1	716.3		57500	49500	16.1*	15.0
MCPA	Ave	1041	1093		52600	50200	4.9	15.0
Dichlorprop	Ave	238394	239591		502	500	0.5	15.0
2,4-D	Ave	274757	270980		498	505	-1.4	15.0
Silvex (2,4,5-TP)	Ave	1224153	1237371		510	505	1.1	15.0
2,4,5-T	Ave	1283908	1335989		520	500	4.1	15.0
2,4-DB	Ave	165896	171938		518	500	3.6	15.0
Dinoseb	Ave	862697	858714		503	505	-0.5	15.0
2,4-Dichlorophenylacetic acid	Ave	233438	227265		930	955	-2.6	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-974303/8 Calibration Date: 05/11/2024 10:24

Instrument ID: CPESTGC15 Calib Start Date: 05/11/2024 09:04

GC Column: DB-5 ID: 0.53(mm) Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206405.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.58	0.51	0.65
Dicamba	2.04	1.97	2.11
Mecoprop	2.12	2.05	2.19
MCPA	2.27	2.20	2.34
Dichlorprop	2.49	2.42	2.56
2,4-D	2.70	2.63	2.77
Silvex (2,4,5-TP)	3.25	3.18	3.32
2,4,5-T	3.53	3.46	3.60
2,4-DB	3.90	3.83	3.97
Dinoseb	4.09	4.02	4.16
2,4-Dichlorophenylacetic acid	1.93	1.87	2.01

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206405.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 11-May-2024 10:24:42 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-008
Operator ID: Instrument ID: CPESTGC15
Sublist:

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:01:11 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:41:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	135600734	500.0	543.5	M
2	0.583	0.584	-0.001	91401520	500.0	538.0	M
						RPD = 1.02	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.934	1.935	-0.001	217037772	955.0	929.7	
2	1.585	1.586	-0.001	166037451	955.0	927.5	
						RPD = 0.25	
1 Dicamba							
1	2.043	2.044	-0.001	402190977	500.0	494.4	
2	1.675	1.676	-0.001	305147257	500.0	498.4	
						RPD = 0.81	
9 MCPP							
1	2.115	2.116	-0.001	35479507	49528	57498	
2	1.779	1.781	-0.002	39561223	49528	51575	
						RPD = 10.86	
3 MCPA							
1	2.267	2.267	0.000	54802375	50160	52620	
2	1.857	1.858	-0.001	53522394	50160	49530	
						RPD = 6.05	
5 Dichlorprop							
1	2.486	2.487	-0.001	119735543	499.8	502.3	
2	2.065	2.065	0.000	95574232	499.8	516.2	
						RPD = 2.73	
8 2,4-D							
1	2.699	2.699	0.000	136777329	504.8	497.8	
2	2.195	2.196	-0.001	106592731	504.8	518.7	
						RPD = 4.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Silvex (2,4,5-TP)							
1	3.254	3.254	0.000	624872412	505.0	510.5	
2	2.711	2.712	-0.001	483319080	505.0	514.2	
						RPD = 0.73	
4 2,4,5-T							
1	3.530	3.532	-0.002	667994383	500.0	520.3	
2	2.886	2.887	-0.001	503257567	500.0	527.2	
						RPD = 1.33	
6 2,4-DB							
1	3.897	3.898	-0.001	85968842	500.0	518.2	
2	3.245	3.245	0.000	94653553	500.0	484.5	
						RPD = 6.71	
13 Dinoseb							
1	4.092	4.093	-0.001	433650684	505.0	502.7	
2	3.943	3.943	0.000	314575157	505.0	503.8	
						RPD = 0.22	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX ICV_00022 Amount Added: 1.00 Units: mL

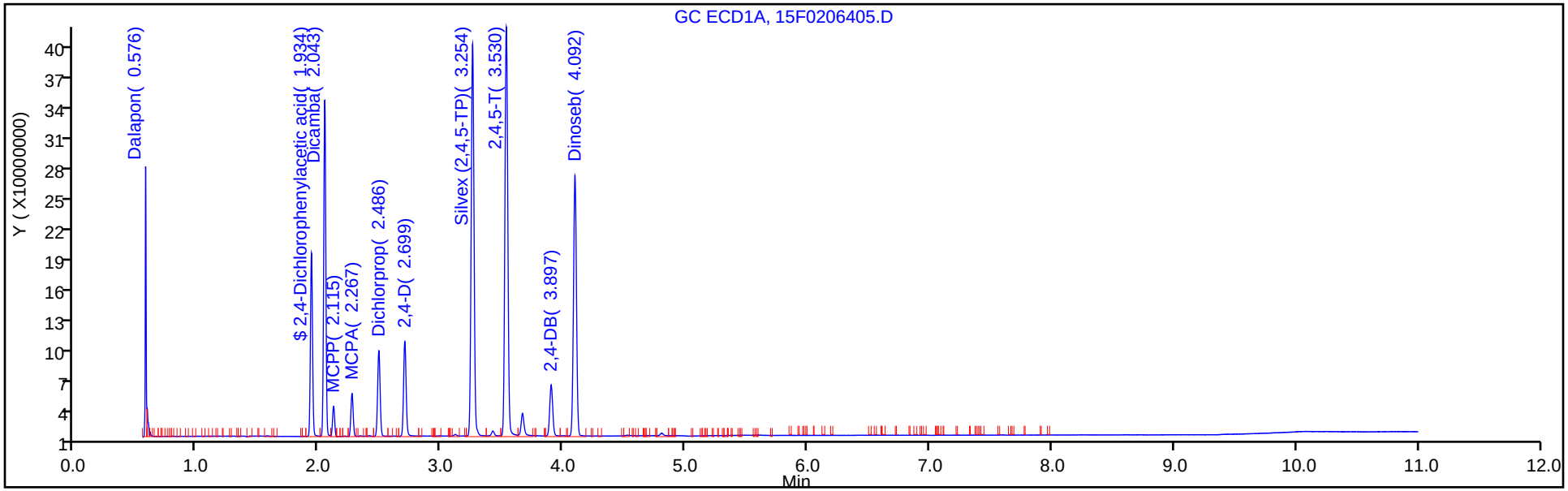
Report Date: 11-May-2024 11:01:15 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

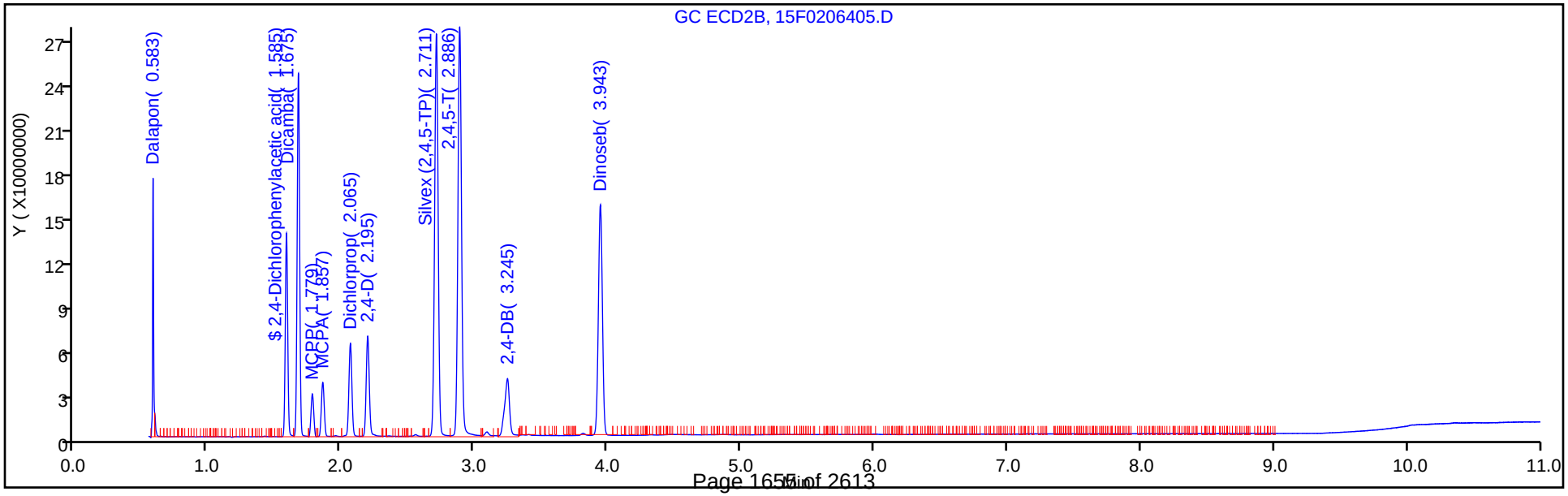
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206405.D

Injection Date:	11-May-2024 10:24:42	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

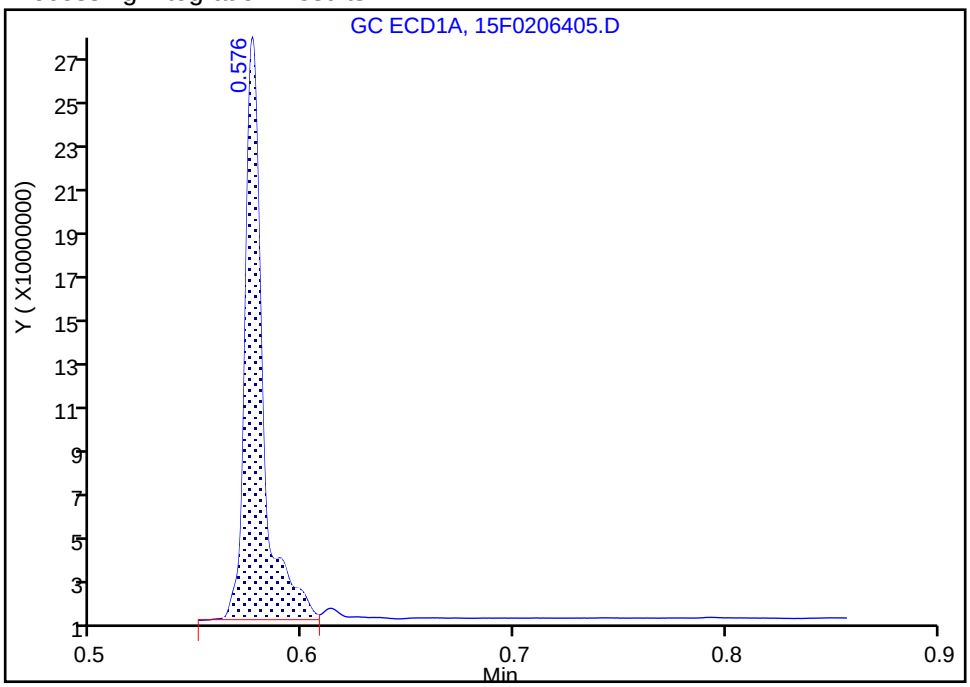
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Injection Date: 11-May-2024 10:24:42 Instrument ID: CPESTGC15
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

12 Dalapon, CAS: 75-99-0

Signal: 1

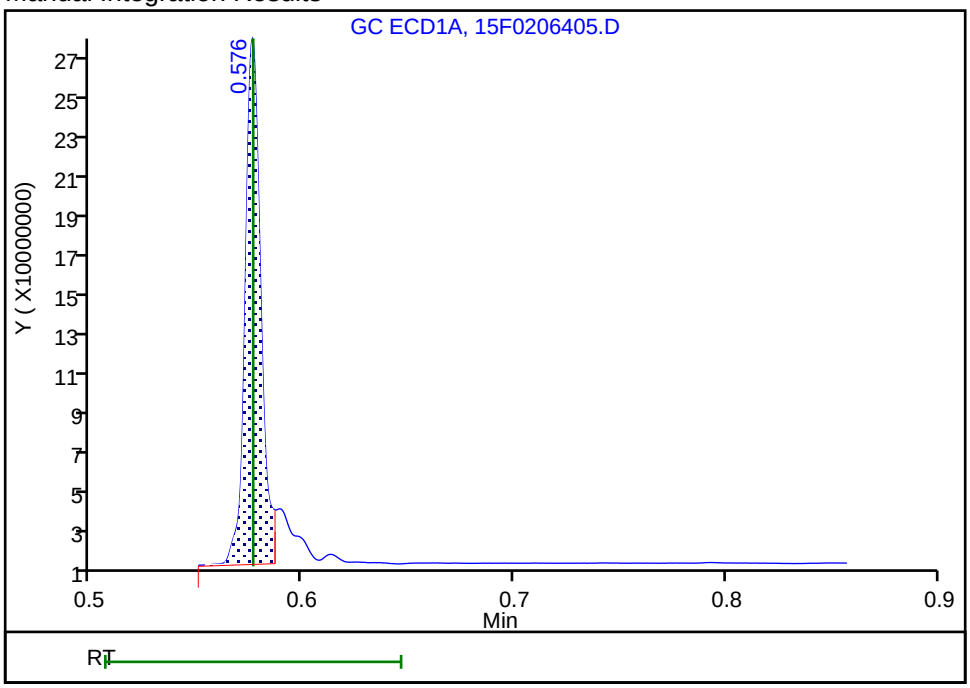
Processing Integration Results

RT: 0.58
Area: 154058081
Amount: 617.4477
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 135600734
Amount: 543.4727
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:41:02 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-974303/8 Calibration Date: 05/11/2024 10:24

Instrument ID: CPESTGC15 Calib Start Date: 05/11/2024 09:04

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206405.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	169897	182803		538	500	7.6	15.0
Dicamba	Ave	612193	610295		498	500	-0.3	15.0
Mecoprop	Ave	767.1	798.8		51600	49500	4.1	15.0
MCPA	Ave	1081	1067		49500	50200	-1.3	15.0
Dichlorprop	Ave	185161	191244		516	500	3.3	15.0
2,4-D	Ave	205495	211179		519	505	2.8	15.0
Silvex (2,4,5-TP)	Ave	939991	957067		514	505	1.8	15.0
2,4,5-T	Ave	954513	1006515		527	500	5.4	15.0
2,4-DB	Ave	195345	189307		485	500	-3.1	15.0
Dinoseb	Ave	624441	622921		504	505	-0.2	15.0
2,4-Dichlorophenylacetic acid	Ave	179025	173861		927	955	-2.9	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICV 460-974303/8 Calibration Date: 05/11/2024 10:24

Instrument ID: CPESTGC15 Calib Start Date: 05/11/2024 09:04

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206405.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.58	0.51	0.65
Dicamba	1.68	1.61	1.75
Mecoprop	1.78	1.71	1.85
MCPA	1.86	1.79	1.93
Dichlorprop	2.07	2.00	2.14
2,4-D	2.20	2.13	2.27
Silvex (2,4,5-TP)	2.71	2.64	2.78
2,4,5-T	2.89	2.82	2.96
2,4-DB	3.25	3.18	3.32
Dinoseb	3.94	3.87	4.01
2,4-Dichlorophenylacetic acid	1.59	1.52	1.66

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206405.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 11-May-2024 10:24:42 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175745-008
Operator ID: Instrument ID: CPESTGC15
Sublist:

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 11-May-2024 11:01:11 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1680

First Level Reviewer: OR9X Date: 11-May-2024 10:41:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.576	0.576	0.000	135600734	500.0	543.5	M
2	0.583	0.584	-0.001	91401520	500.0	538.0	M
						RPD = 1.02	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.934	1.935	-0.001	217037772	955.0	929.7	
2	1.585	1.586	-0.001	166037451	955.0	927.5	
						RPD = 0.25	
1 Dicamba							
1	2.043	2.044	-0.001	402190977	500.0	494.4	
2	1.675	1.676	-0.001	305147257	500.0	498.4	
						RPD = 0.81	
9 MCPP							
1	2.115	2.116	-0.001	35479507	49528	57498	
2	1.779	1.781	-0.002	39561223	49528	51575	
						RPD = 10.86	
3 MCPA							
1	2.267	2.267	0.000	54802375	50160	52620	
2	1.857	1.858	-0.001	53522394	50160	49530	
						RPD = 6.05	
5 Dichlorprop							
1	2.486	2.487	-0.001	119735543	499.8	502.3	
2	2.065	2.065	0.000	95574232	499.8	516.2	
						RPD = 2.73	
8 2,4-D							
1	2.699	2.699	0.000	136777329	504.8	497.8	
2	2.195	2.196	-0.001	106592731	504.8	518.7	
						RPD = 4.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Silvex (2,4,5-TP)							
1	3.254	3.254	0.000	624872412	505.0	510.5	
2	2.711	2.712	-0.001	483319080	505.0	514.2	
						RPD = 0.73	
4 2,4,5-T							
1	3.530	3.532	-0.002	667994383	500.0	520.3	
2	2.886	2.887	-0.001	503257567	500.0	527.2	
						RPD = 1.33	
6 2,4-DB							
1	3.897	3.898	-0.001	85968842	500.0	518.2	
2	3.245	3.245	0.000	94653553	500.0	484.5	
						RPD = 6.71	
13 Dinoseb							
1	4.092	4.093	-0.001	433650684	505.0	502.7	
2	3.943	3.943	0.000	314575157	505.0	503.8	
						RPD = 0.22	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX ICV_00022 Amount Added: 1.00 Units: mL

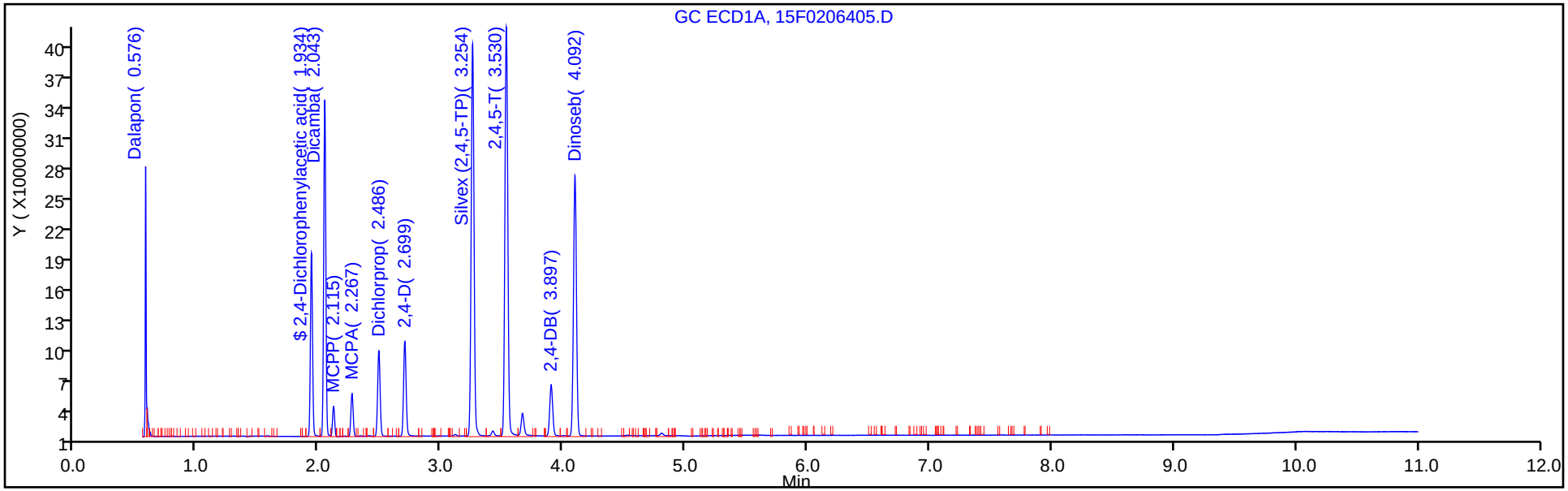
Report Date: 11-May-2024 11:01:16 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

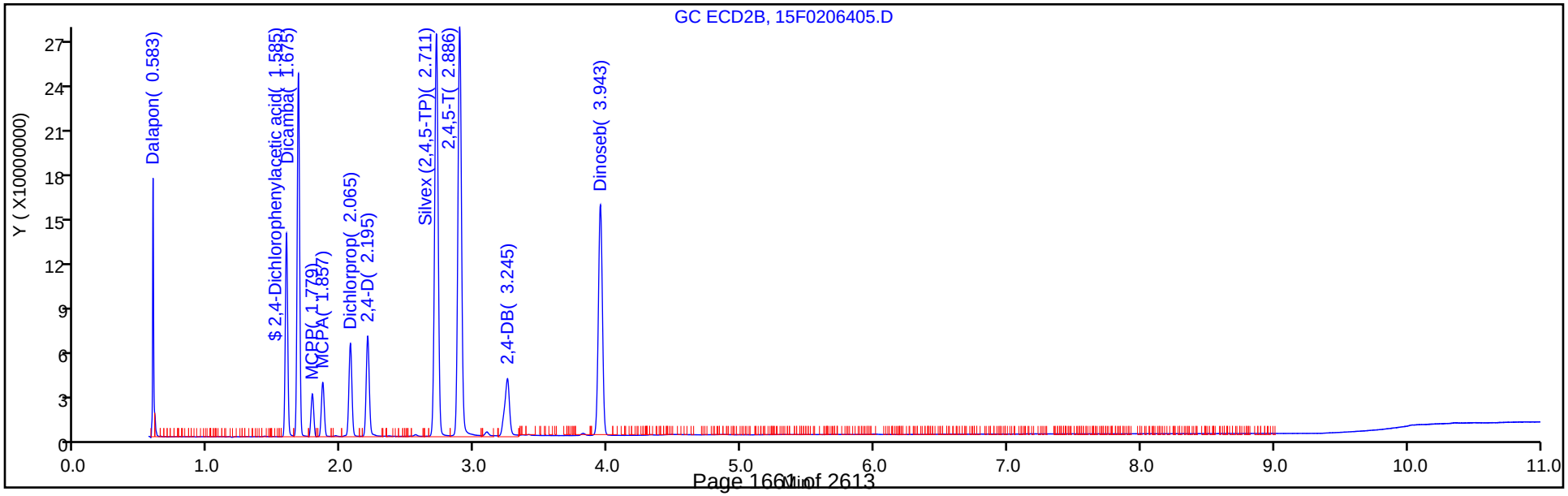
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206405.D

Injection Date:	11-May-2024 10:24:42	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

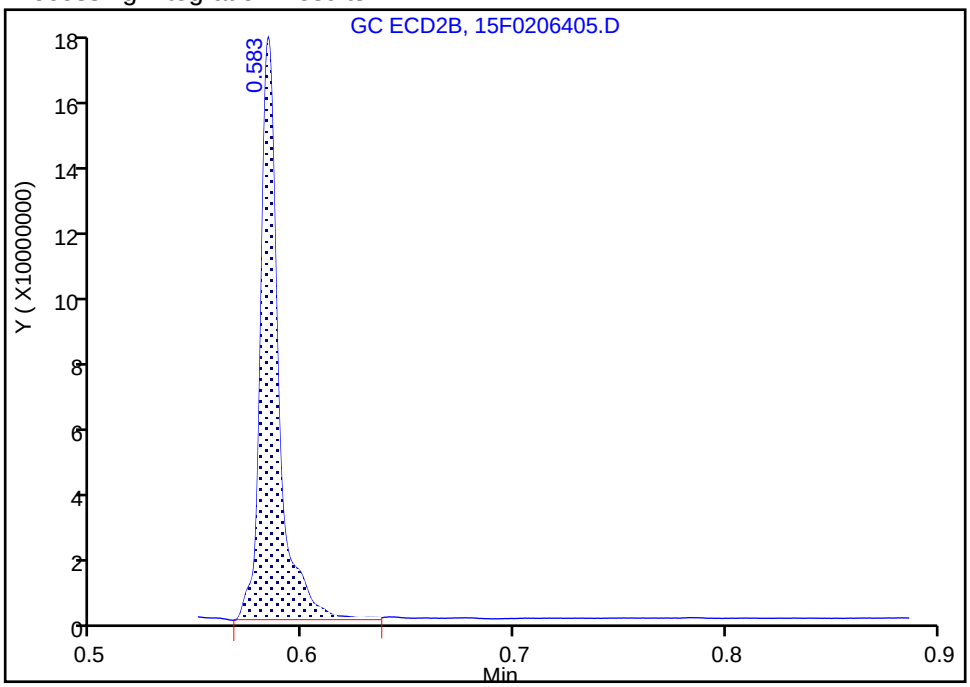
Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206405.D				
Injection Date:	11-May-2024 10:24:42	Instrument ID:	CPESTGC15		
Lims ID:	ICV				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		
Column:	Rtx-CLP Pest 2 (0.53 mm)	Detector	GC ECD2B		

12 Dalapon, CAS: 75-99-0

Signal: 2

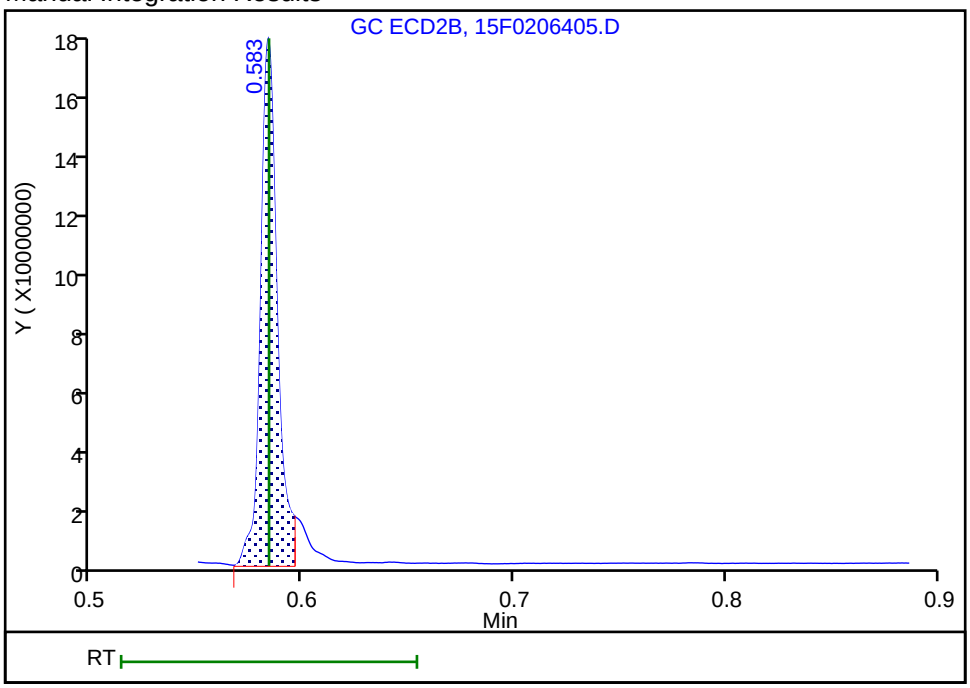
Processing Integration Results

RT: 0.58
Area: 99981917
Amount: 588.4865
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 91401520
Amount: 537.9828
Amount Units: ug/l



Reviewer: OR9X, 11-May-2024 10:41:06 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVRT 460-974543/1 | Calibration Date: 05/14/2024 06:33

Instrument ID: CPESTGC15 | Calib Start Date: 05/11/2024 09:04

GC Column: DB-5 ID: 0.53(mm) | Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206445.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	249508	278990		559	500	11.8	15.0
Dicamba	Ave	813438	823762		476	470	1.3	15.0
Mecoprop	Ave	617.1	775.2		58500	46600	25.6*	15.0
MCPA	Ave	1041	1185		53100	46700	13.7	15.0
Dichlorprop	Ave	238394	246518		486	470	3.4	15.0
2,4-D	Ave	274757	268721		484	495	-2.2	15.0
Pentachlorophenol	Ave	3543544	3750430		239	226	5.8	15.0
Silvex (2,4,5-TP)	Ave	1224153	1224830		480	480	0.0	15.0
2,4,5-T	Ave	1283908	1300325		481	475	1.3	15.0
2,4-DB	Ave	165896	175176		507	480	5.6	15.0
Dinoseb	Ave	862697	857702		477	480	-0.6	15.0
Picloram	Ave	2066262	2322661		237	211	12.4	15.0
2,4-Dichlorophenylacetic acid	Ave	233438	229489		939	955	-1.7	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVRT 460-974543/1 Calibration Date: 05/14/2024 06:33

Instrument ID: CPESTGC15 Calib Start Date: 05/11/2024 09:04

GC Column: DB-5 ID: 0.53(mm) Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206445.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.58	0.51	0.65
Dicamba	2.04	1.97	2.11
Mecoprop	2.11	2.04	2.18
MCPA	2.26	2.19	2.33
Dichlorprop	2.48	2.41	2.55
2,4-D	2.70	2.63	2.77
Pentachlorophenol	2.93	2.86	3.00
Silvex (2,4,5-TP)	3.25	3.18	3.32
2,4,5-T	3.53	3.46	3.60
2,4-DB	3.89	3.82	3.96
Dinoseb	4.09	4.02	4.16
Picloram	4.80	4.73	4.87
2,4-Dichlorophenylacetic acid	1.93	1.86	2.00

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206445.D
Lims ID: CCVRT
Client ID:
Sample Type: CCVRT
Inject. Date: 14-May-2024 06:33:39 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 06:50:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.575	0.575	0.000	139494806	500.0	559.1	M
2	0.583	0.583	0.000	89011712	500.0	523.9	M
						RPD = 6.49	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.932	1.932	0.000	219162240	955.0	938.8	
2	1.584	1.584	0.000	166228846	955.0	928.5	
						RPD = 1.11	
1 Dicamba							
1	2.040	2.040	0.000	387168039	470.0	476.0	
2	1.673	1.673	0.000	292276497	470.0	477.4	
						RPD = 0.31	
9 MCPP							
1	2.113	2.113	0.000	36085527	46550	58480	
2	1.778	1.778	0.000	37721814	46550	49177	
						RPD = 17.28	
3 MCPA							
1	2.263	2.263	0.000	55261865	46650	53061	
2	1.856	1.856	0.000	51107290	46650	47295	
						RPD = 11.49	
5 Dichlorprop							
1	2.483	2.483	0.000	115863510	470.0	486.0	
2	2.063	2.063	0.000	90377963	470.0	488.1	
						RPD = 0.43	
8 2,4-D							
1	2.696	2.696	0.000	133017043	495.0	484.1	
2	2.194	2.194	0.000	101358464	495.0	493.2	
						RPD = 1.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.930	2.930	0.000	846659521	225.8	238.9	
2	2.313	2.313	0.000	638017408	225.8	240.6	
						RPD = 0.71	
2 Silvex (2,4,5-TP)							
1	3.250	3.250	0.000	587918452	480.0	480.3	
2	2.709	2.709	0.000	441045652	480.0	469.2	
						RPD = 2.33	
4 2,4,5-T							
1	3.527	3.527	0.000	617654590	475.0	481.1	
2	2.885	2.885	0.000	440610990	475.0	461.6	
						RPD = 4.13	
6 2,4-DB							
1	3.893	3.893	0.000	84084473	480.0	506.9	
2	3.243	3.243	0.000	86685351	480.0	443.8	
						RPD = 13.27	
13 Dinoseb							
1	4.088	4.088	0.000	411696937	480.0	477.2	
2	3.941	3.941	0.000	307572295	480.0	492.6	
						RPD = 3.16	
7 Picloram							
1	4.800	4.800	0.000	490081512	211.0	237.2	
2	3.811	3.811	0.000	303941280	211.0	215.9	
						RPD = 9.41	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL4_00004 Amount Added: 1.00 Units: mL

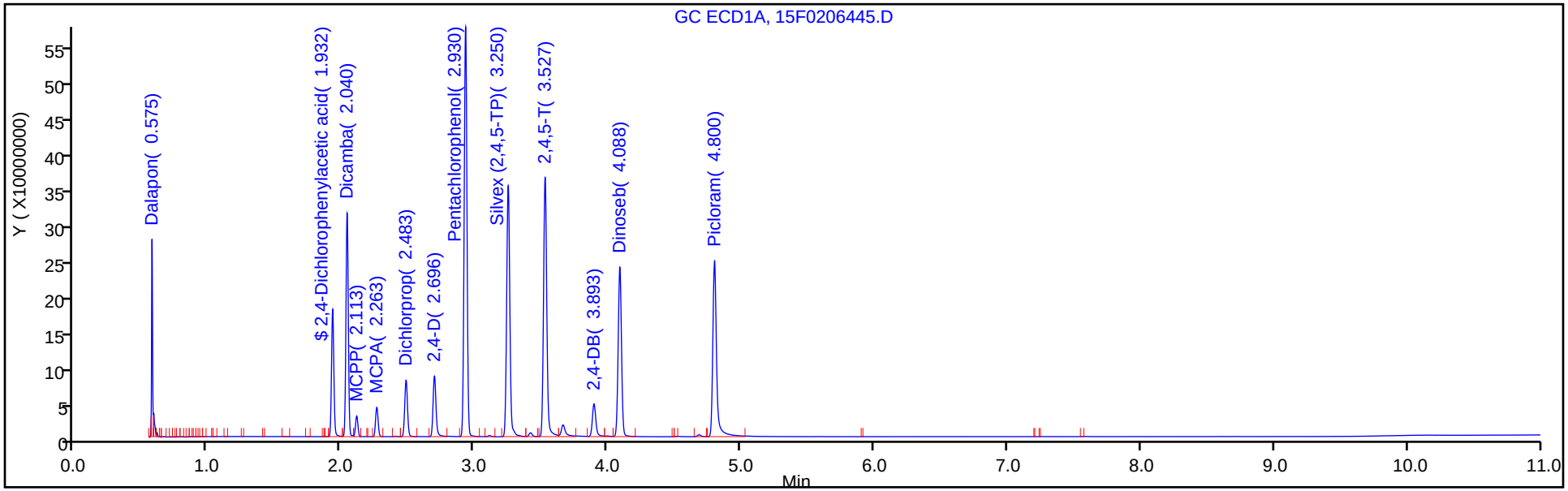
Report Date: 14-May-2024 11:01:09 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

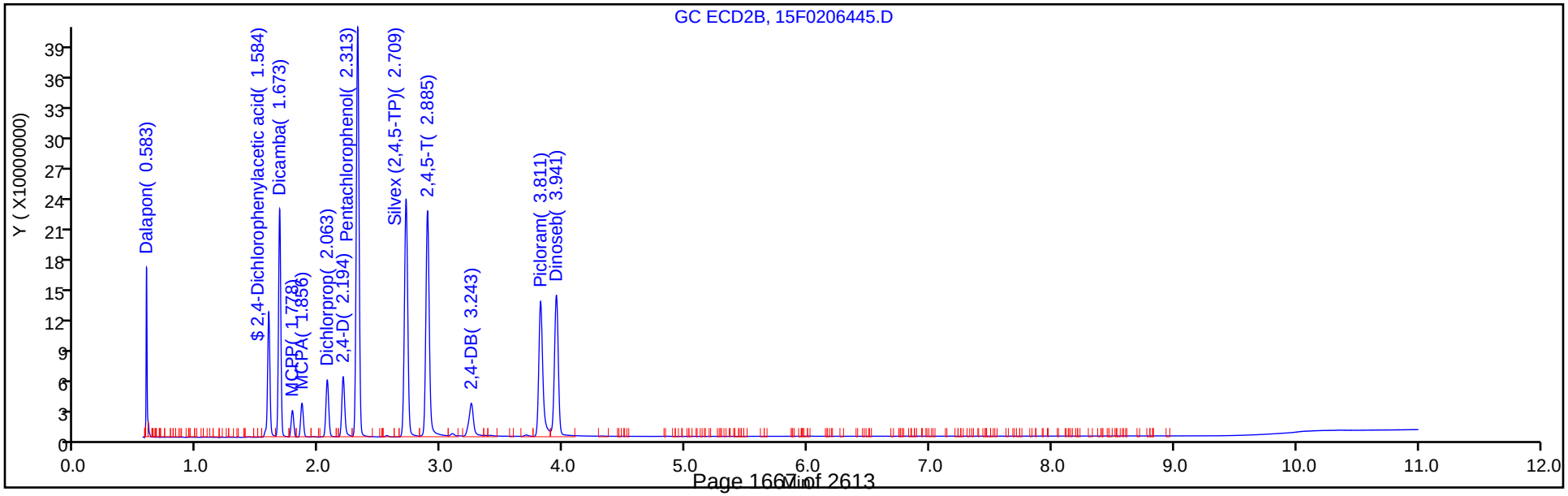
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206445.D

Injection Date:	14-May-2024 06:33:39	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	CCVRT			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

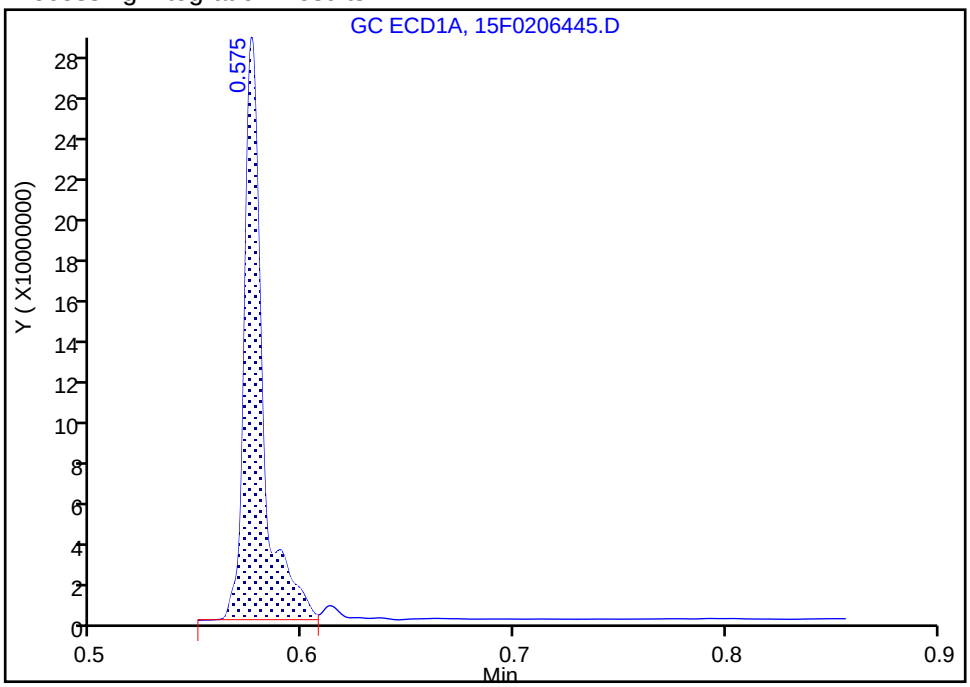
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206445.D
Injection Date: 14-May-2024 06:33:39 Instrument ID: CPESTGC15
Lims ID: CCVRT
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

12 Dalapon, CAS: 75-99-0

Signal: 1

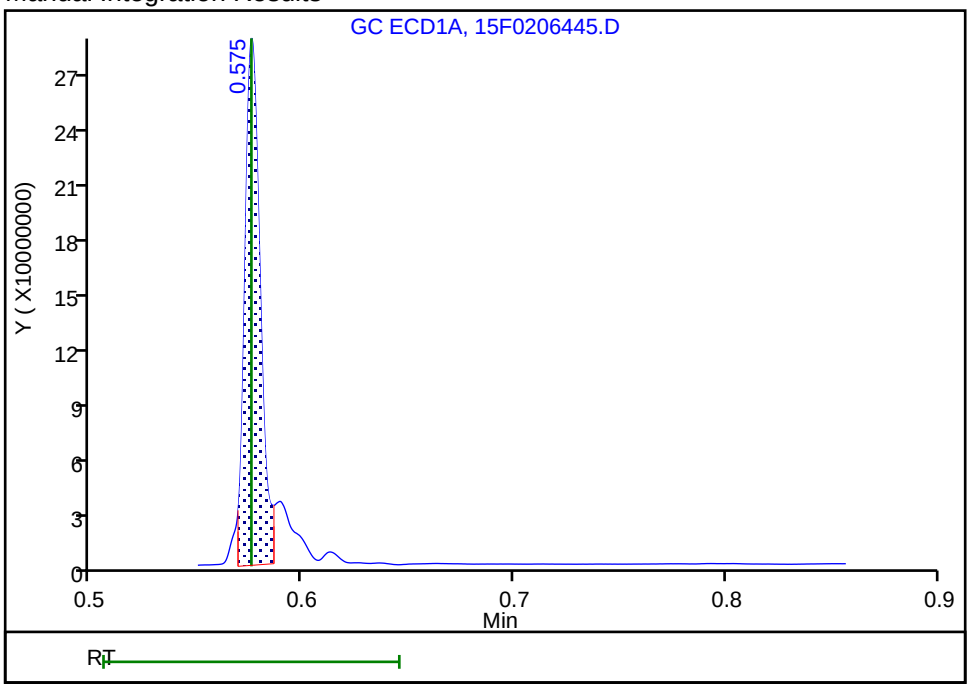
Processing Integration Results

RT: 0.58
Area: 166940216
Amount: 669.0778
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 139494806
Amount: 559.0797
Amount Units: ug/l



Reviewer: SE1K, 14-May-2024 06:50:15 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVRT 460-974543/1 | Calibration Date: 05/14/2024 06:33

Instrument ID: CPESTGC15 | Calib Start Date: 05/11/2024 09:04

GC Column: CLP-2 ID: 0.53(mm) | Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206445.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	169897	178023		524	500	4.8	15.0
Dicamba	Ave	612193	621865		477	470	1.6	15.0
Mecoprop	Ave	767.1	810.4		49200	46600	5.6	15.0
MCPA	Ave	1081	1096		47300	46700	1.4	15.0
Dichlorprop	Ave	185161	192294		488	470	3.9	15.0
2,4-D	Ave	205495	204765		493	495	-0.4	15.0
Pentachlorophenol	Ave	2651452	2826212		241	226	6.6	15.0
Silvex (2,4,5-TP)	Ave	939991	918845		469	480	-2.2	15.0
2,4,5-T	Ave	954513	927602		462	475	-2.8	15.0
2,4-DB	Ave	195345	180594		444	480	-7.6	15.0
Picloram	Ave	1408030	1440480		216	211	2.3	15.0
Dinoseb	Ave	624441	640776		493	480	2.6	15.0
2,4-Dichlorophenylacetic acid	Ave	179025	174062		929	955	-2.8	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCVRT 460-974543/1 Calibration Date: 05/14/2024 06:33

Instrument ID: CPESTGC15 Calib Start Date: 05/11/2024 09:04

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206445.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.58	0.51	0.65
Dicamba	1.67	1.60	1.74
Mecoprop	1.78	1.71	1.85
MCPA	1.86	1.79	1.93
Dichlorprop	2.06	1.99	2.13
2,4-D	2.19	2.12	2.26
Pentachlorophenol	2.31	2.24	2.38
Silvex (2,4,5-TP)	2.71	2.64	2.78
2,4,5-T	2.89	2.82	2.96
2,4-DB	3.24	3.17	3.31
Picloram	3.81	3.74	3.88
Dinoseb	3.94	3.87	4.01
2,4-Dichlorophenylacetic acid	1.58	1.51	1.65

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206445.D
Lims ID: CCVRT
Client ID:
Sample Type: CCVRT
Inject. Date: 14-May-2024 06:33:39 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 06:50:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.575	0.575	0.000	139494806	500.0	559.1	M
2	0.583	0.583	0.000	89011712	500.0	523.9	M
						RPD = 6.49	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.932	1.932	0.000	219162240	955.0	938.8	
2	1.584	1.584	0.000	166228846	955.0	928.5	
						RPD = 1.11	
1 Dicamba							
1	2.040	2.040	0.000	387168039	470.0	476.0	
2	1.673	1.673	0.000	292276497	470.0	477.4	
						RPD = 0.31	
9 MCPP							
1	2.113	2.113	0.000	36085527	46550	58480	
2	1.778	1.778	0.000	37721814	46550	49177	
						RPD = 17.28	
3 MCPA							
1	2.263	2.263	0.000	55261865	46650	53061	
2	1.856	1.856	0.000	51107290	46650	47295	
						RPD = 11.49	
5 Dichlorprop							
1	2.483	2.483	0.000	115863510	470.0	486.0	
2	2.063	2.063	0.000	90377963	470.0	488.1	
						RPD = 0.43	
8 2,4-D							
1	2.696	2.696	0.000	133017043	495.0	484.1	
2	2.194	2.194	0.000	101358464	495.0	493.2	
						RPD = 1.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.930	2.930	0.000	846659521	225.8	238.9	
2	2.313	2.313	0.000	638017408	225.8	240.6	
						RPD = 0.71	
2 Silvex (2,4,5-TP)							
1	3.250	3.250	0.000	587918452	480.0	480.3	
2	2.709	2.709	0.000	441045652	480.0	469.2	
						RPD = 2.33	
4 2,4,5-T							
1	3.527	3.527	0.000	617654590	475.0	481.1	
2	2.885	2.885	0.000	440610990	475.0	461.6	
						RPD = 4.13	
6 2,4-DB							
1	3.893	3.893	0.000	84084473	480.0	506.9	
2	3.243	3.243	0.000	86685351	480.0	443.8	
						RPD = 13.27	
13 Dinoseb							
1	4.088	4.088	0.000	411696937	480.0	477.2	
2	3.941	3.941	0.000	307572295	480.0	492.6	
						RPD = 3.16	
7 Picloram							
1	4.800	4.800	0.000	490081512	211.0	237.2	
2	3.811	3.811	0.000	303941280	211.0	215.9	
						RPD = 9.41	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL4_00004 Amount Added: 1.00 Units: mL

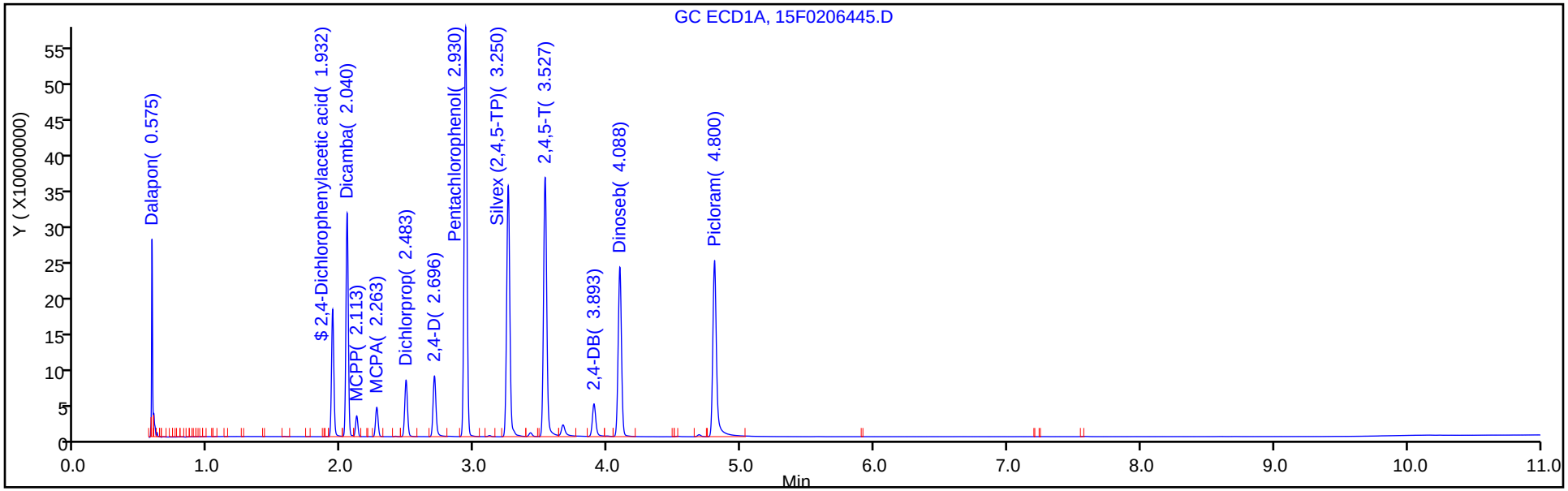
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Eurofins Edison

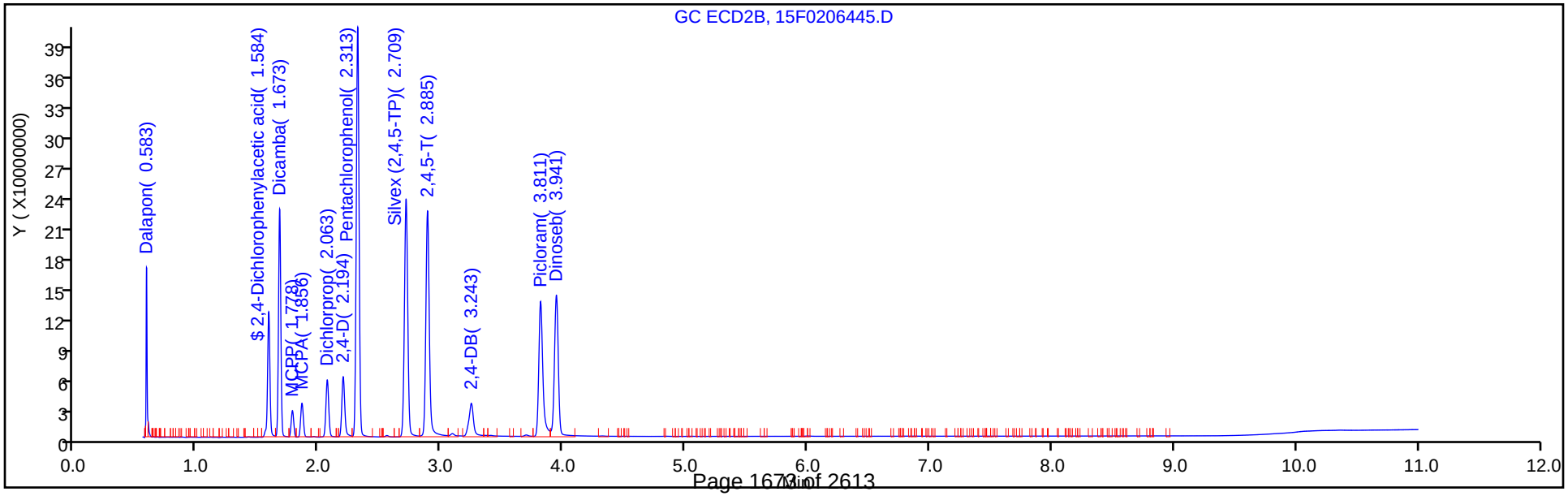
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Injection Date:	14-May-2024 06:33:39	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	CCVRT			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

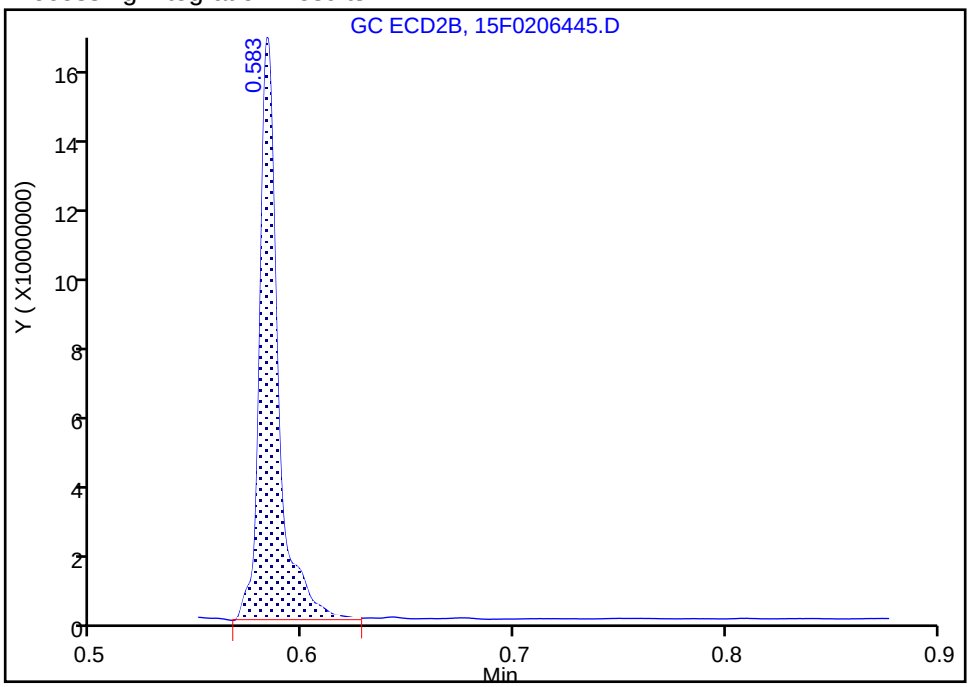
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Injection Date: 14-May-2024 06:33:39 Instrument ID: CPESTGC15
Lims ID: CCVRT
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

12 Dalapon, CAS: 75-99-0

Signal: 2

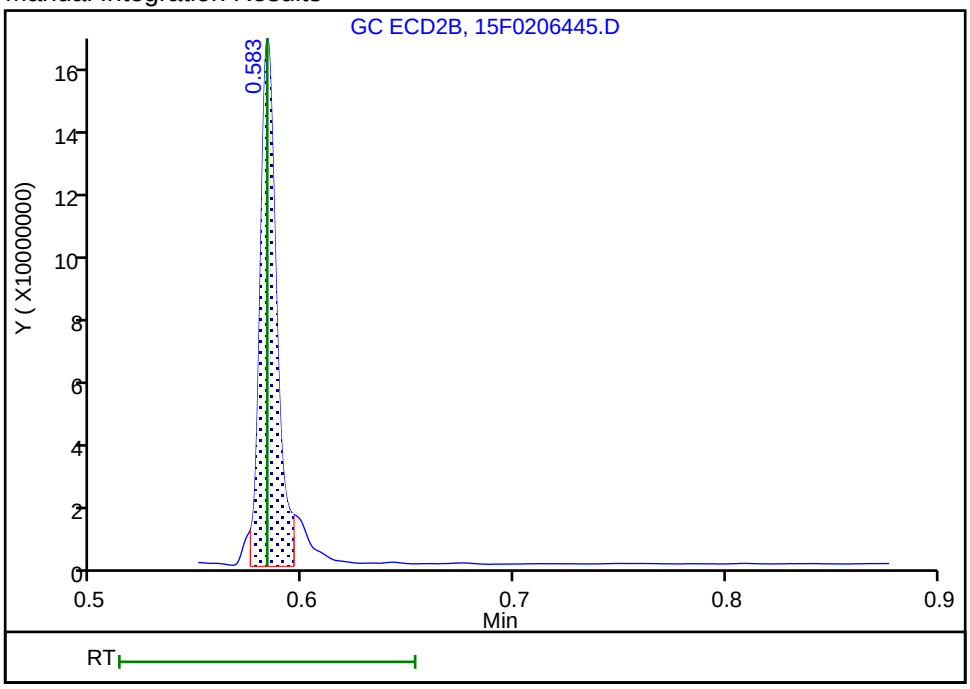
Processing Integration Results

RT: 0.58
Area: 100257052
Amount: 590.1059
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 89011712
Amount: 523.9166
Amount Units: ug/l



Reviewer: SE1K, 14-May-2024 06:50:05 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974543/13 | Calibration Date: 05/14/2024 09:19

Instrument ID: CPESTGC15 | Calib Start Date: 05/11/2024 09:04

GC Column: DB-5 ID: 0.53(mm) | Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206457.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	249508	279622		560	500	12.1	15.0
Dicamba	Ave	813438	845678		489	470	4.0	15.0
Mecoprop	Ave	617.1	786.2		59300	46600	27.4*	15.0
MCPA	Ave	1041	1196		53600	46700	14.9	15.0
Dichlorprop	Ave	238394	252880		499	470	6.1	15.0
2,4-D	Ave	274757	274894		495	495	0.0	15.0
Pentachlorophenol	Ave	3543544	3903084		249	226	10.1	15.0
Silvex (2,4,5-TP)	Ave	1224153	1280348		502	480	4.6	15.0
2,4,5-T	Ave	1283908	1381975		511	475	7.6	15.0
2,4-DB	Ave	165896	180502		522	480	8.8	15.0
Dinoseb	Ave	862697	873256		486	480	1.2	15.0
Picloram	Ave	2066262	2220043		227	211	7.4	15.0
2,4-Dichlorophenylacetic acid	Ave	233438	235713		964	955	1.0	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974543/13 Calibration Date: 05/14/2024 09:19

Instrument ID: CPESTGC15 Calib Start Date: 05/11/2024 09:04

GC Column: DB-5 ID: 0.53(mm) Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206457.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.58	0.51	0.65
Dicamba	2.04	1.97	2.11
Mecoprop	2.12	2.04	2.18
MCPA	2.27	2.19	2.33
Dichlorprop	2.49	2.41	2.55
2,4-D	2.70	2.63	2.77
Pentachlorophenol	2.93	2.86	3.00
Silvex (2,4,5-TP)	3.25	3.18	3.32
2,4,5-T	3.53	3.46	3.60
2,4-DB	3.90	3.82	3.96
Dinoseb	4.09	4.02	4.16
Picloram	4.80	4.73	4.87
2,4-Dichlorophenylacetic acid	1.94	1.86	2.00

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206457.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 14-May-2024 09:19:53 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-013
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:28 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 10:56:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.577	0.575	0.002	139810773	500.0	560.3	M
2	0.584	0.583	0.001	91812562	500.0	540.4	M
						RPD = 3.62	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.935	1.932	0.003	225106308	955.0	964.3	
2	1.586	1.584	0.002	171135991	955.0	955.9	
						RPD = 0.87	
1 Dicamba							
1	2.044	2.040	0.004	397468432	470.0	488.6	
2	1.675	1.673	0.002	299771893	470.0	489.7	
						RPD = 0.21	
9 MCPP							
1	2.116	2.113	0.003	36596903	46550	59309	
2	1.780	1.778	0.002	39624772	46550	51658	
						RPD = 13.79	
3 MCPA							
1	2.266	2.263	0.003	55815286	46650	53593	
2	1.858	1.856	0.002	53054449	46650	49097	
						RPD = 8.76	
5 Dichlorprop							
1	2.487	2.483	0.004	118853640	470.0	498.6	
2	2.066	2.063	0.003	93296745	470.0	503.9	
						RPD = 1.06	
8 2,4-D							
1	2.700	2.696	0.004	136072292	495.0	495.2	
2	2.196	2.194	0.002	105113666	495.0	511.5	
						RPD = 3.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.934	2.930	0.004	881121287	225.8	248.7	
2	2.315	2.313	0.002	660571247	225.8	249.1	
						RPD = 0.19	
2 Silvex (2,4,5-TP)							
1	3.254	3.250	0.004	614567059	480.0	502.0	
2	2.711	2.709	0.002	460977761	480.0	490.4	
						RPD = 2.34	
4 2,4,5-T							
1	3.532	3.527	0.005	656437894	475.0	511.3	
2	2.887	2.885	0.002	465197117	475.0	487.4	
						RPD = 4.79	
6 2,4-DB							
1	3.898	3.893	0.005	86640957	480.0	522.3	
2	3.246	3.243	0.003	90402018	480.0	462.8	
						RPD = 12.08	
13 Dinoseb							
1	4.092	4.088	0.004	419162797	480.0	485.9	
2	3.942	3.941	0.001	314310531	480.0	503.3	
						RPD = 3.53	
7 Picloram							
1	4.803	4.800	0.003	468429107	211.0	226.7	
2	3.813	3.811	0.002	299697707	211.0	212.8	
						RPD = 6.30	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL4_00004 Amount Added: 1.00 Units: mL

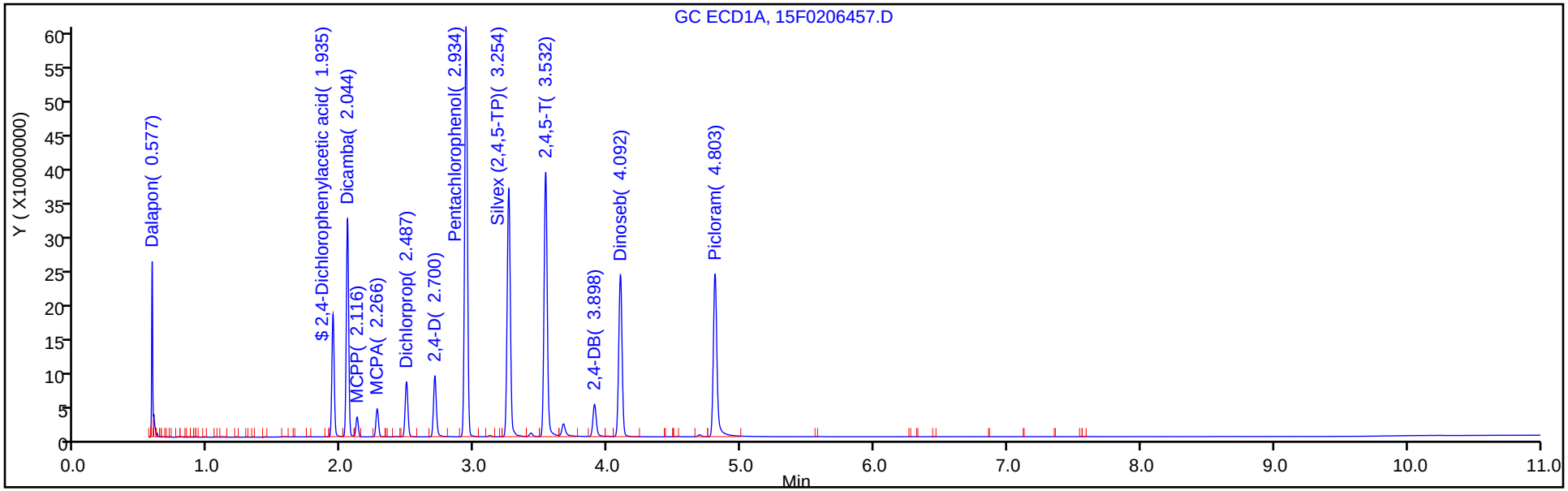
Report Date: 14-May-2024 11:01:29 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

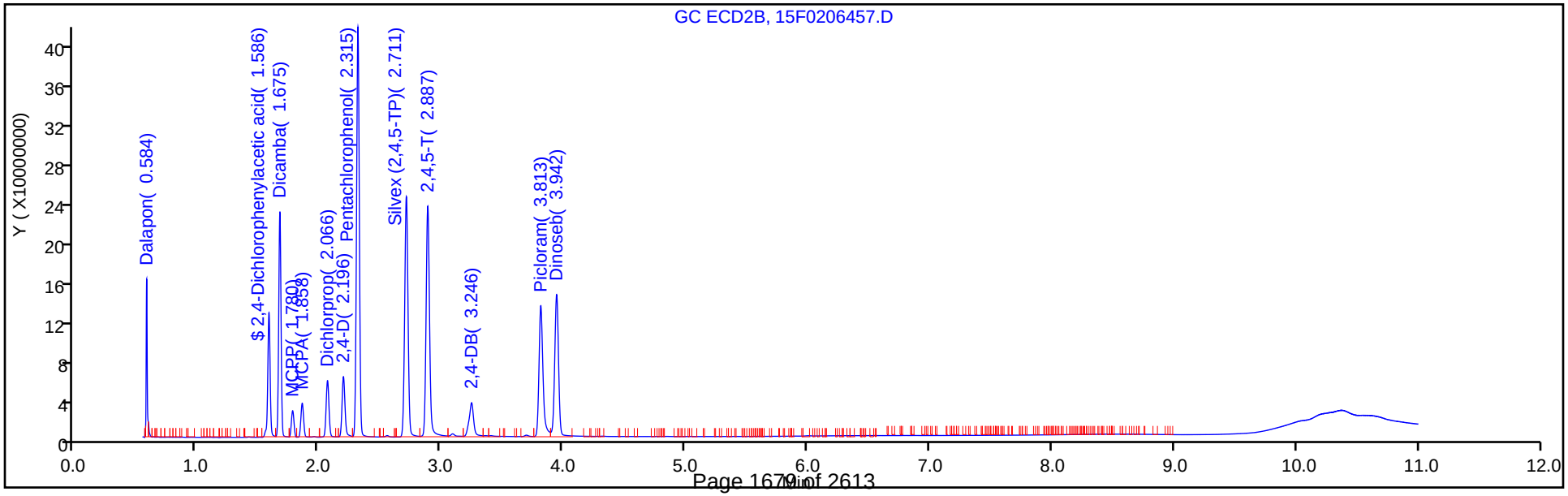
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206457.D

Injection Date:	14-May-2024 09:19:53	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

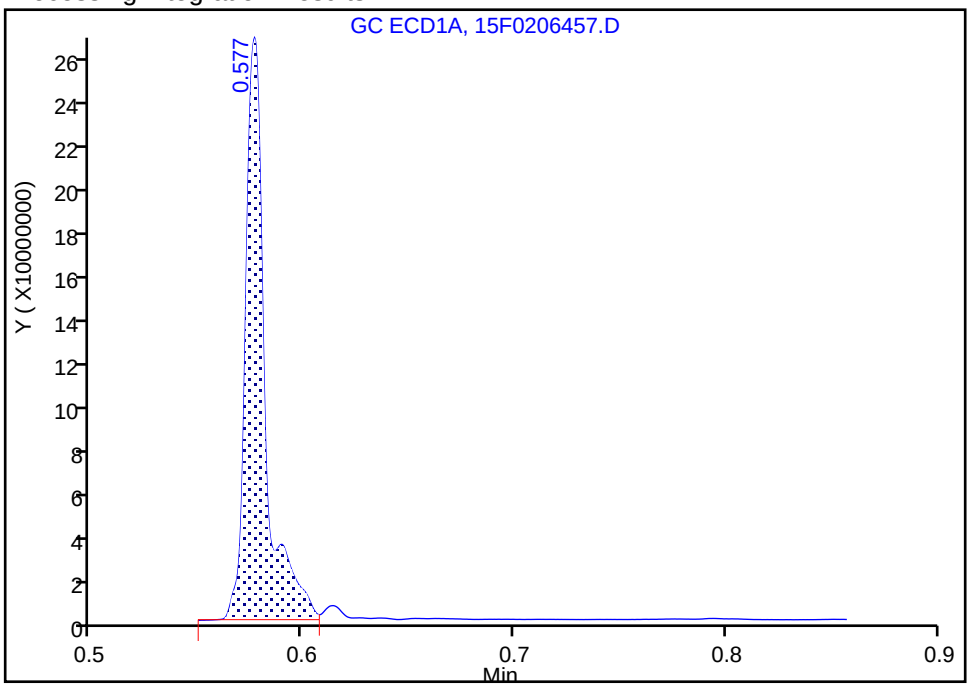
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206457.D
Injection Date: 14-May-2024 09:19:53 Instrument ID: CPESTGC15
Lims ID: CCV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

12 Dalapon, CAS: 75-99-0

Signal: 1

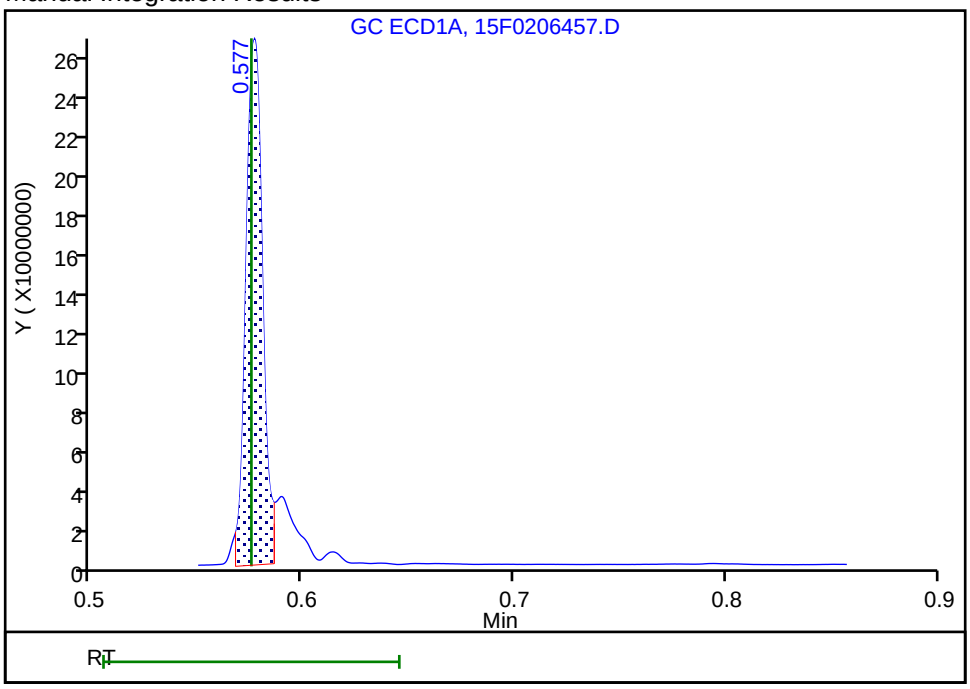
Processing Integration Results

RT: 0.58
Area: 165849349
Amount: 664.7057
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 139810773
Amount: 560.3460
Amount Units: ug/l



Reviewer: SE1K, 14-May-2024 09:46:31 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974543/13 | Calibration Date: 05/14/2024 09:19

Instrument ID: CPESTGC15 | Calib Start Date: 05/11/2024 09:04

GC Column: CLP-2 ID: 0.53(mm) | Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206457.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	169897	183625		540	500	8.1	15.0
Dicamba	Ave	612193	637813		490	470	4.2	15.0
Mecoprop	Ave	767.1	851.2		51700	46600	11.0	15.0
MCPA	Ave	1081	1137		49100	46700	5.2	15.0
Dichlorprop	Ave	185161	198504		504	470	7.2	15.0
2,4-D	Ave	205495	212351		512	495	3.3	15.0
Pentachlorophenol	Ave	2651452	2926118		249	226	10.4	15.0
Silvex (2,4,5-TP)	Ave	939991	960370		490	480	2.2	15.0
2,4,5-T	Ave	954513	979362		487	475	2.6	15.0
2,4-DB	Ave	195345	188338		463	480	-3.6	15.0
Picloram	Ave	1408030	1420368		213	211	0.9	15.0
Dinoseb	Ave	624441	654814		503	480	4.9	15.0
2,4-Dichlorophenylacetic acid	Ave	179025	179200		956	955	0.1	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: CCV 460-974543/13 Calibration Date: 05/14/2024 09:19

Instrument ID: CPESTGC15 Calib Start Date: 05/11/2024 09:04

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 05/11/2024 10:11

Lab File ID: 15F0206457.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.58	0.51	0.65
Dicamba	1.68	1.60	1.74
Mecoprop	1.78	1.71	1.85
MCPA	1.86	1.79	1.93
Dichlorprop	2.07	1.99	2.13
2,4-D	2.20	2.12	2.26
Pentachlorophenol	2.32	2.24	2.38
Silvex (2,4,5-TP)	2.71	2.64	2.78
2,4,5-T	2.89	2.82	2.96
2,4-DB	3.25	3.17	3.31
Picloram	3.81	3.74	3.88
Dinoseb	3.94	3.87	4.01
2,4-Dichlorophenylacetic acid	1.59	1.51	1.65

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206457.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 14-May-2024 09:19:53 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-013
Operator ID: Instrument ID: CPESTGC15
Sublist: chrom-8151GC15*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:28 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 10:56:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							M
1	0.577	0.575	0.002	139810773	500.0	560.3	M
2	0.584	0.583	0.001	91812562	500.0	540.4	M
						RPD = 3.62	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.935	1.932	0.003	225106308	955.0	964.3	
2	1.586	1.584	0.002	171135991	955.0	955.9	
						RPD = 0.87	
1 Dicamba							
1	2.044	2.040	0.004	397468432	470.0	488.6	
2	1.675	1.673	0.002	299771893	470.0	489.7	
						RPD = 0.21	
9 MCPP							
1	2.116	2.113	0.003	36596903	46550	59309	
2	1.780	1.778	0.002	39624772	46550	51658	
						RPD = 13.79	
3 MCPA							
1	2.266	2.263	0.003	55815286	46650	53593	
2	1.858	1.856	0.002	53054449	46650	49097	
						RPD = 8.76	
5 Dichlorprop							
1	2.487	2.483	0.004	118853640	470.0	498.6	
2	2.066	2.063	0.003	93296745	470.0	503.9	
						RPD = 1.06	
8 2,4-D							
1	2.700	2.696	0.004	136072292	495.0	495.2	
2	2.196	2.194	0.002	105113666	495.0	511.5	
						RPD = 3.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.934	2.930	0.004	881121287	225.8	248.7	
2	2.315	2.313	0.002	660571247	225.8	249.1	
						RPD = 0.19	
2 Silvex (2,4,5-TP)							
1	3.254	3.250	0.004	614567059	480.0	502.0	
2	2.711	2.709	0.002	460977761	480.0	490.4	
						RPD = 2.34	
4 2,4,5-T							
1	3.532	3.527	0.005	656437894	475.0	511.3	
2	2.887	2.885	0.002	465197117	475.0	487.4	
						RPD = 4.79	
6 2,4-DB							
1	3.898	3.893	0.005	86640957	480.0	522.3	
2	3.246	3.243	0.003	90402018	480.0	462.8	
						RPD = 12.08	
13 Dinoseb							
1	4.092	4.088	0.004	419162797	480.0	485.9	
2	3.942	3.941	0.001	314310531	480.0	503.3	
						RPD = 3.53	
7 Picloram							
1	4.803	4.800	0.003	468429107	211.0	226.7	
2	3.813	3.811	0.002	299697707	211.0	212.8	
						RPD = 6.30	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SGHERBL4_00004 Amount Added: 1.00 Units: mL

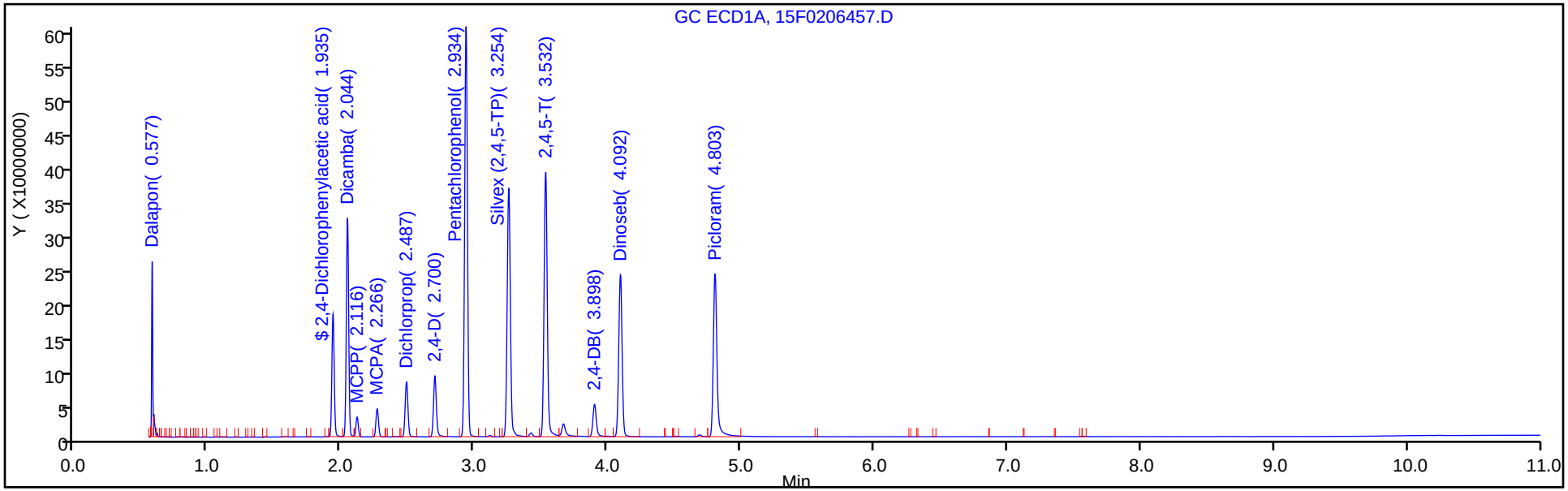
Report Date: 14-May-2024 11:01:29 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

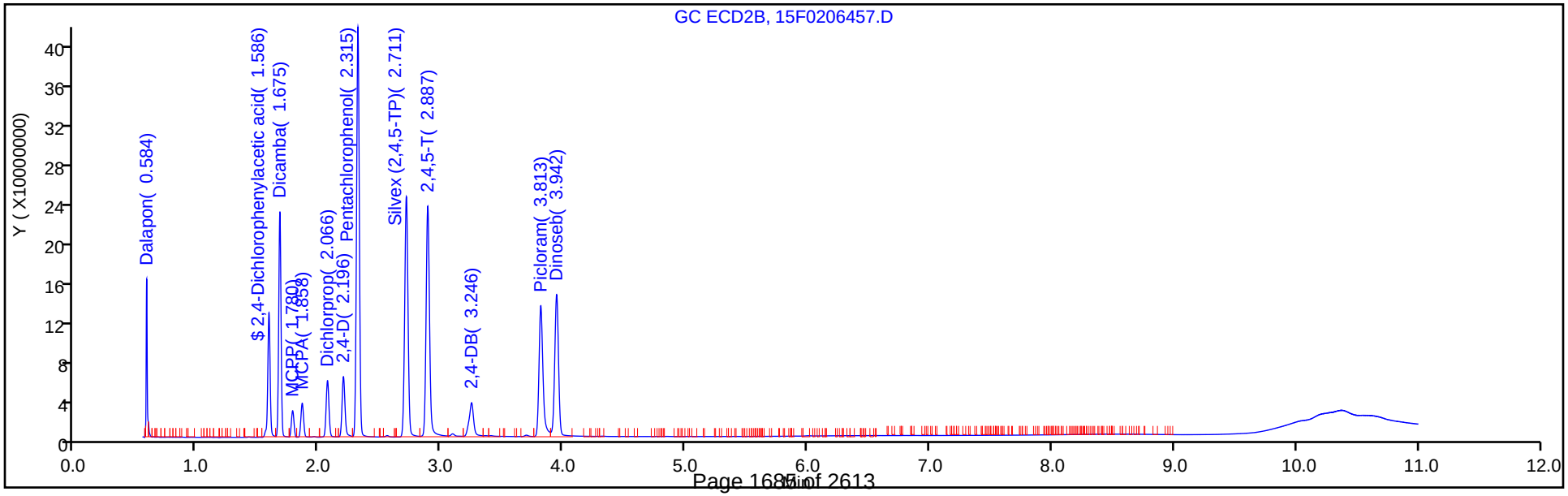
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Injection Date:	14-May-2024 09:19:53	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

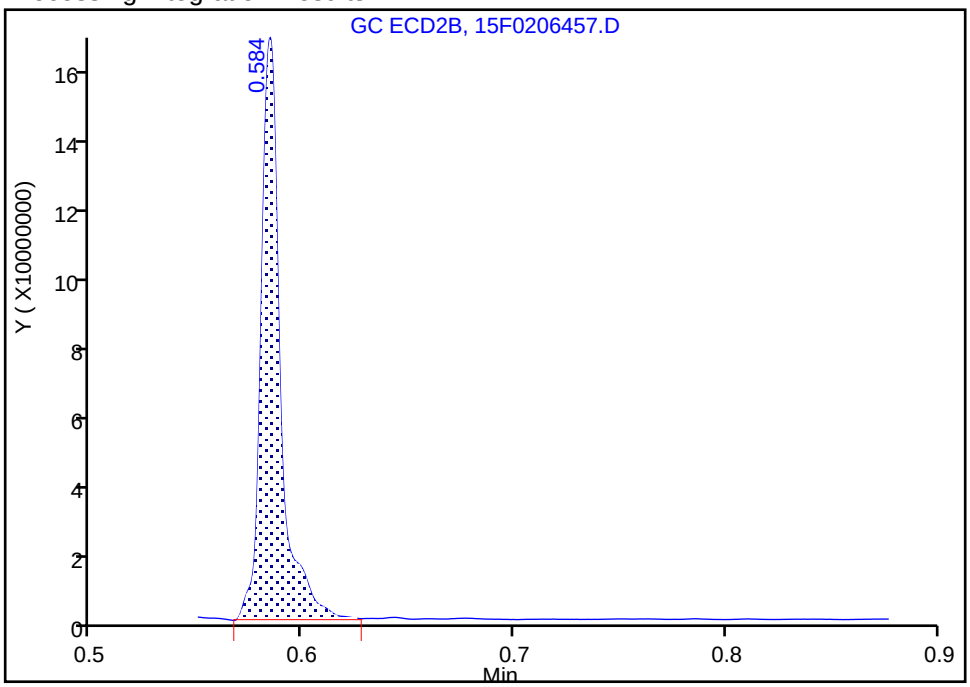
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Injection Date: 14-May-2024 09:19:53 Instrument ID: CPESTGC15
Lims ID: CCV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL
Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

12 Dalapon, CAS: 75-99-0

Signal: 2

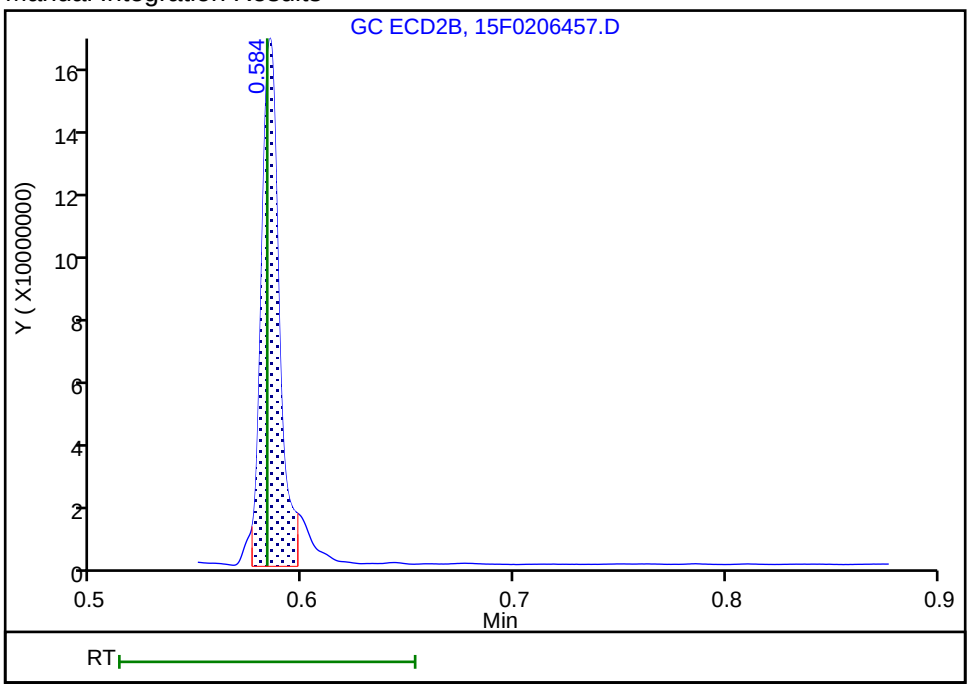
Processing Integration Results

RT: 0.58
Area: 102089541
Amount: 600.8918
Amount Units: ug/l



Manual Integration Results

RT: 0.58
Area: 91812562
Amount: 540.4022
Amount Units: ug/l



Reviewer: SE1K, 14-May-2024 09:46:40 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-974531/1-A

Matrix: Solid | Lab File ID: 15F0206446.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:54

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 06:51

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	*2,4-D*	*5.0*	*U*	*83*	*5.0*
93-72-1	*Silvex (2,4,5-TP)*	*4.0*	*U*	*83*	*4.0*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	61		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206446.D
Lims ID: MB 460-974531/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-May-2024 06:51:48 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.577	0.575	0.002	3502252		14.0	
2	0.588	0.583	0.005	6896660		40.6	
						RPD = 97.22	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.944	1.932	0.012	142249839	1000.0	609.4	
2	1.587	1.584	0.003	101439492	1000.0	566.6	
						RPD = 7.27	
3 MCPA							
1	2.258	2.263	-0.005	1296273		1244.7	
2	1.880	1.856	0.024	53140		49.2	
						RPD = 184.80	
5 Dichlorprop							
1	2.471	2.483	-0.012	155826		0.6536	
2	2.096	2.063	0.033	1727937		9.33	
						RPD = 173.82	
10 Pentachlorophenol							
1	2.944	2.930	0.014	789416		0.2228	
2	2.319	2.313	0.006	486288		0.1834	
						RPD = 19.39	
2 Silvex (2,4,5-TP)							
1	3.306	3.250	0.056	387852		0.3168	
2	2.703	2.709	-0.006	378307		0.4025	
						RPD = 23.81	
4 2,4,5-T							
1	3.538	3.527	0.011	26410		0.0206	
2	2.876	2.885	-0.009	157851		0.1654	
						RPD = 155.75	
6 2,4-DB							
1	3.901	3.893	0.008	20993		0.1265	
2	3.238	3.243	-0.005	19548		0.1001	
						RPD = 23.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
13 Dinoseb							
1	4.115	4.088	0.027	237667		0.2755	
2	3.964	3.941	0.023	7226		0.0116	
						RPD = 183.88	
7 Picloram							
1	4.812	4.800	0.012	3785920		1.83	
2	3.821	3.811	0.010	2675237		1.90	
						RPD = 3.63	

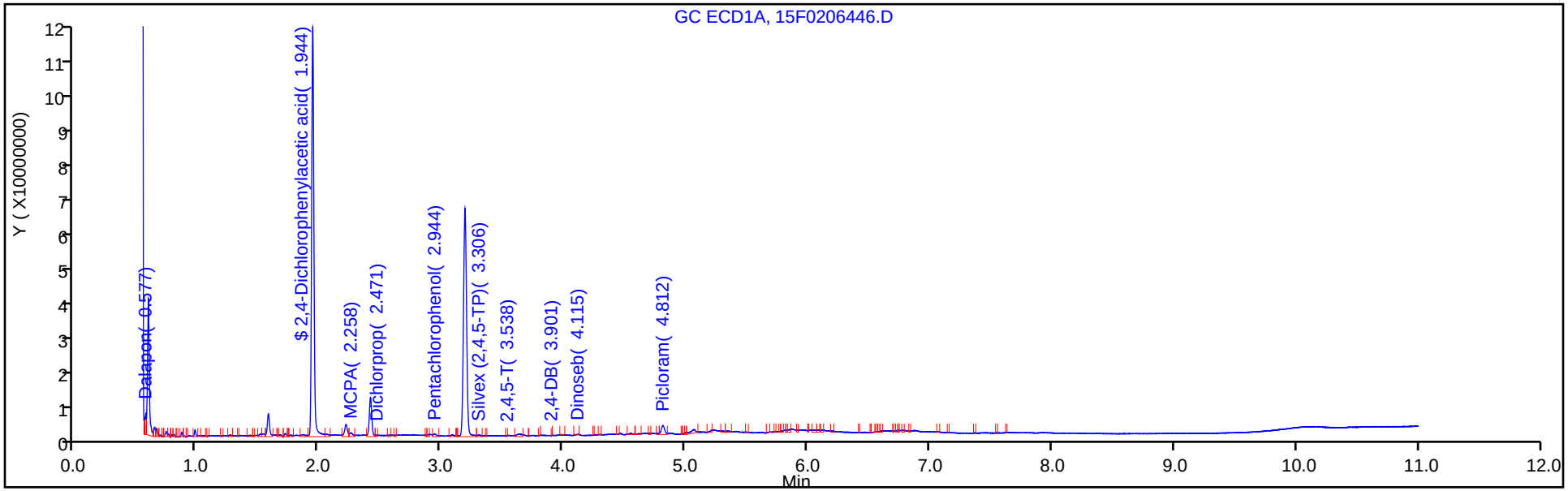
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Eurofins Edison

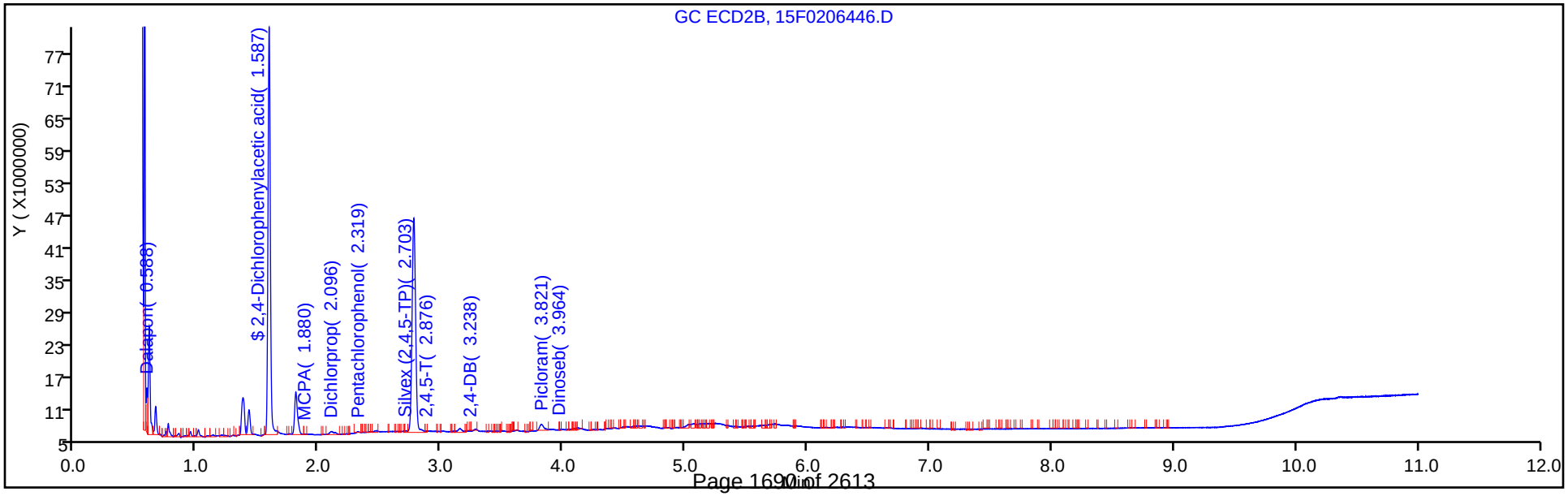
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206446.D

Injection Date:	14-May-2024 06:51:48	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	MB 460-974531/1-A			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206446.D				
Lims ID:	MB 460-974531/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-May-2024 06:51:48	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:01:09	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1691				

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	609.4	60.94

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	566.6	56.66

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-974531/1-A

Matrix: Solid | Lab File ID: 15F0206446.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:54

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 06:51

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	5.0	U	83	5.0
93-72-1	Silvex (2,4,5-TP)	4.0	U	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	57		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206446.D
Lims ID: MB 460-974531/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-May-2024 06:51:48 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.577	0.575	0.002	3502252		14.0	
2	0.588	0.583	0.005	6896660		40.6	
						RPD = 97.22	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.944	1.932	0.012	142249839	1000.0	609.4	
2	1.587	1.584	0.003	101439492	1000.0	566.6	
						RPD = 7.27	
3 MCPA							
1	2.258	2.263	-0.005	1296273		1244.7	
2	1.880	1.856	0.024	53140		49.2	
						RPD = 184.80	
5 Dichlorprop							
1	2.471	2.483	-0.012	155826		0.6536	
2	2.096	2.063	0.033	1727937		9.33	
						RPD = 173.82	
10 Pentachlorophenol							
1	2.944	2.930	0.014	789416		0.2228	
2	2.319	2.313	0.006	486288		0.1834	
						RPD = 19.39	
2 Silvex (2,4,5-TP)							
1	3.306	3.250	0.056	387852		0.3168	
2	2.703	2.709	-0.006	378307		0.4025	
						RPD = 23.81	
4 2,4,5-T							
1	3.538	3.527	0.011	26410		0.0206	
2	2.876	2.885	-0.009	157851		0.1654	
						RPD = 155.75	
6 2,4-DB							
1	3.901	3.893	0.008	20993		0.1265	
2	3.238	3.243	-0.005	19548		0.1001	
						RPD = 23.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
13 Dinoseb							
1	4.115	4.088	0.027	237667		0.2755	
2	3.964	3.941	0.023	7226		0.0116	
						RPD = 183.88	
7 Picloram							
1	4.812	4.800	0.012	3785920		1.83	
2	3.821	3.811	0.010	2675237		1.90	
						RPD = 3.63	

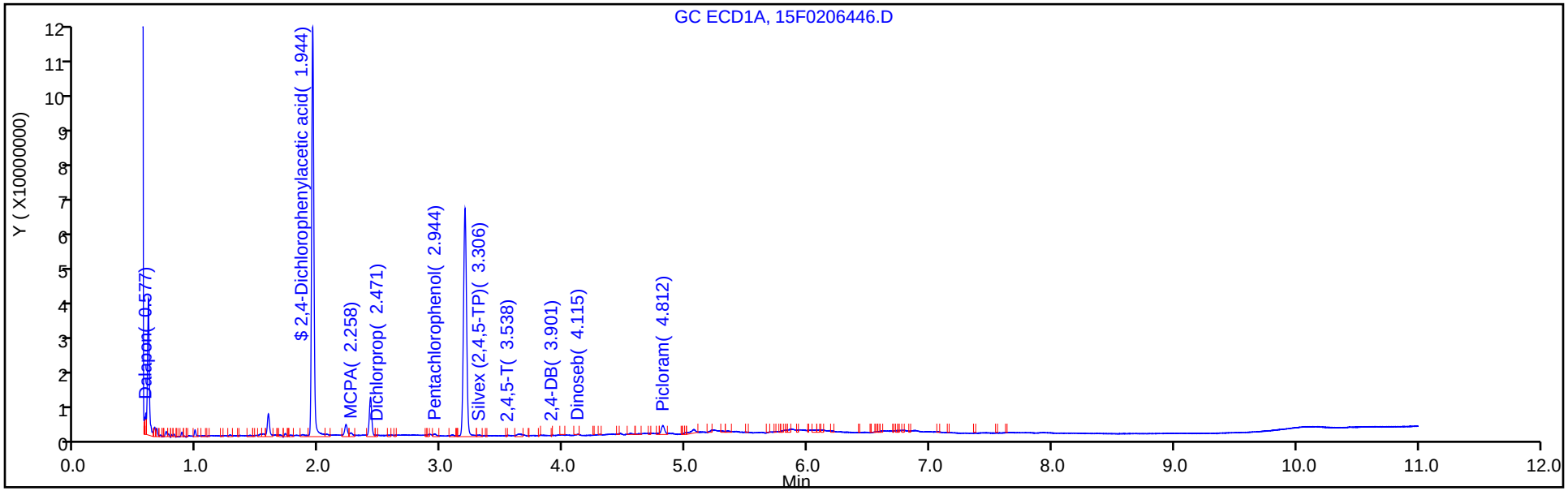
Report Date: 14-May-2024 11:01:10 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

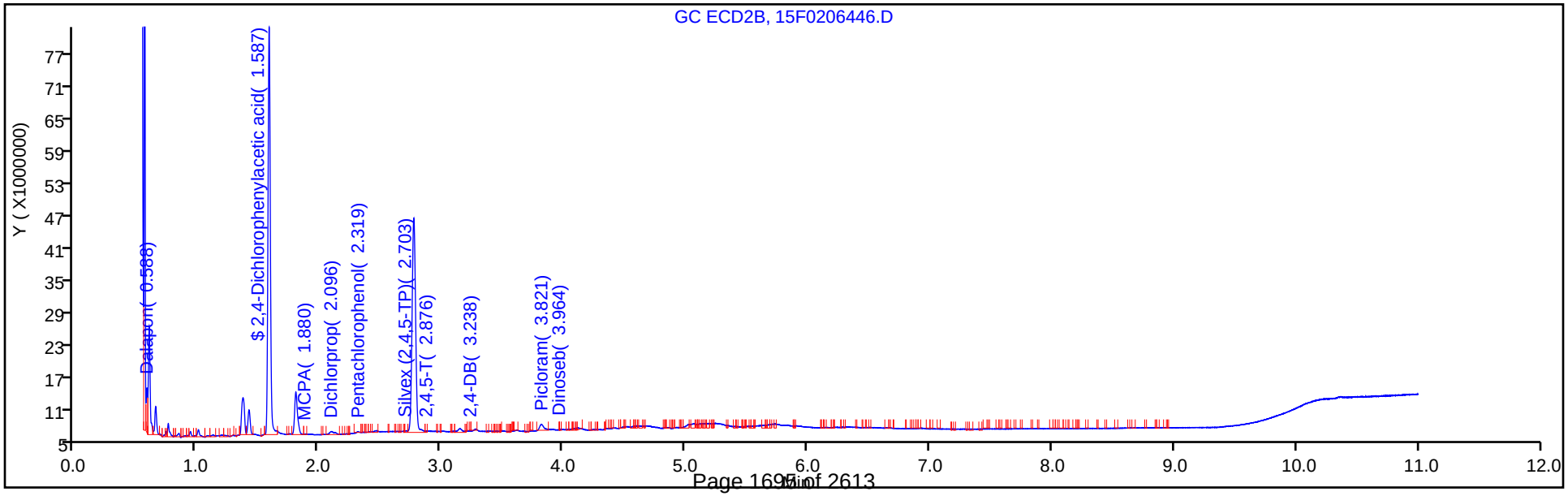
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206446.D

Injection Date:	14-May-2024 06:51:48	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	MB 460-974531/1-A			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206446.D				
Lims ID:	MB 460-974531/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-May-2024 06:51:48	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:01:09	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1691				

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	609.4	60.94

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	566.6	56.66

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 460-974423/1-D

Matrix: Solid (TCLP) | Lab File ID: 15F0206449.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 07:32

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	24		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206449.D
Lims ID: LB 460-974423/1-D
Client ID:
Sample Type: LB
Inject. Date: 14-May-2024 07:32:14 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-005
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 08:16:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid							
1	1.936	1.932	0.004	55192069	1000.0	236.4	
2	1.587	1.584	0.003	41953736	1000.0	234.3	
						RPD = 0.89	

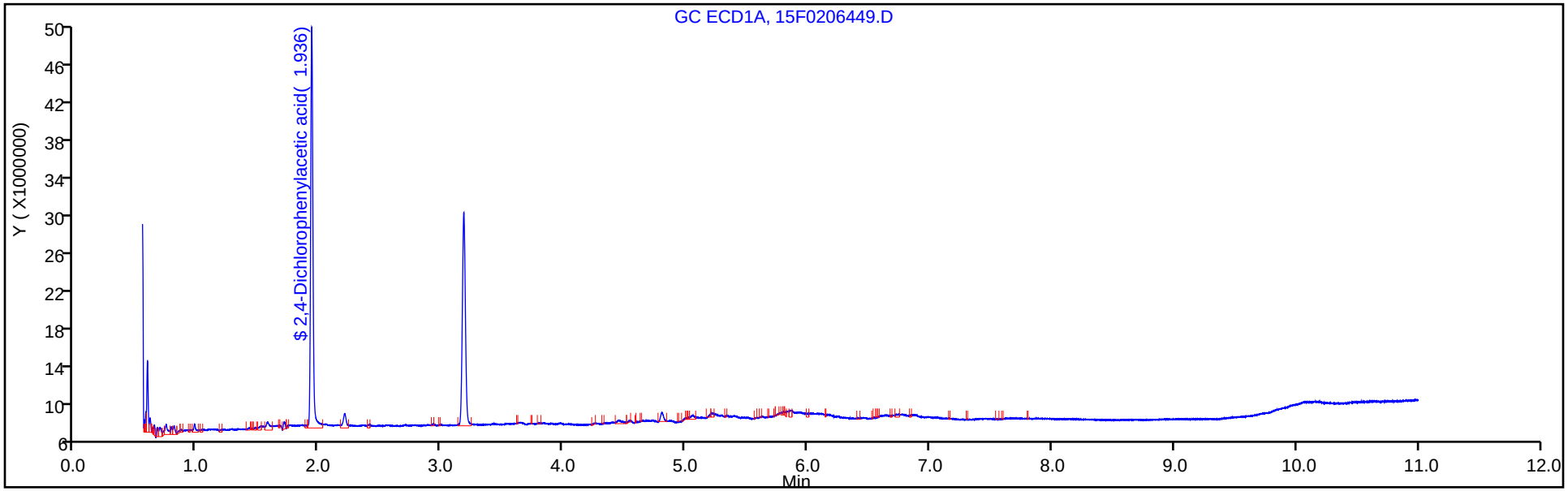
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Eurofins Edison

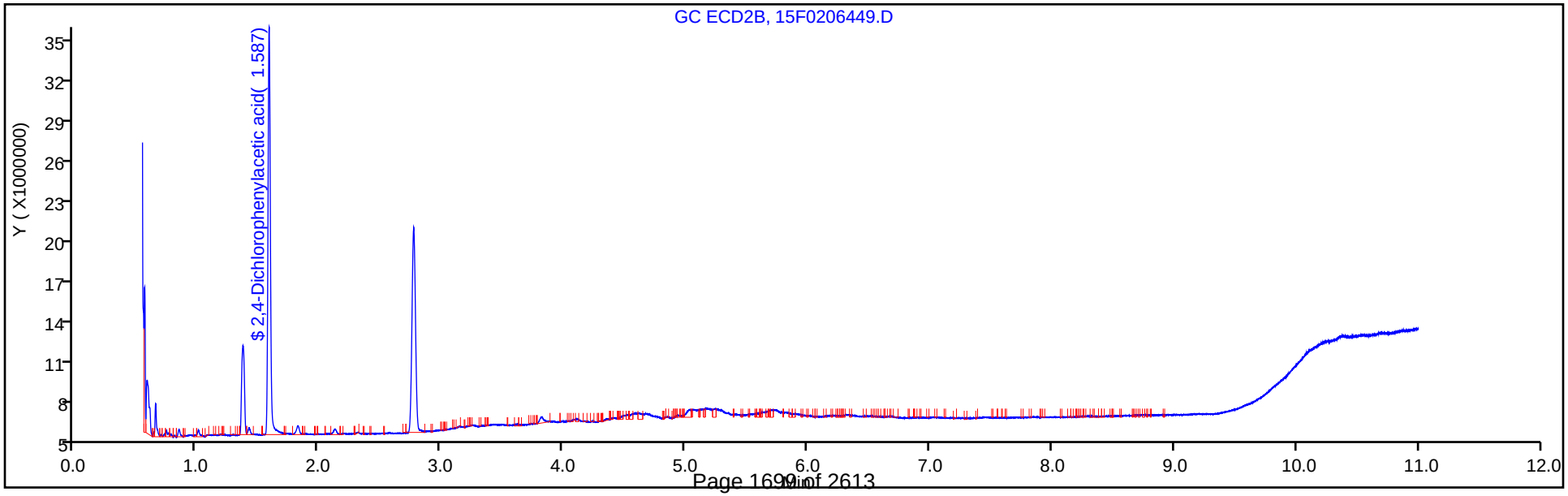
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Injection Date:	14-May-2024 07:32:14	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	LB 460-974423/1-D			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 14-May-2024 11:01:15 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206449.D				
Lims ID:	LB 460-974423/1-D				
Client ID:					
Sample Type:	LB				
Inject. Date:	14-May-2024 07:32:14	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-005				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:01:09	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1691				
First Level Reviewer: SE1K		Date:	14-May-2024 08:16:57		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	236.4	23.64

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	234.3	23.43

User Disabled Compound Report

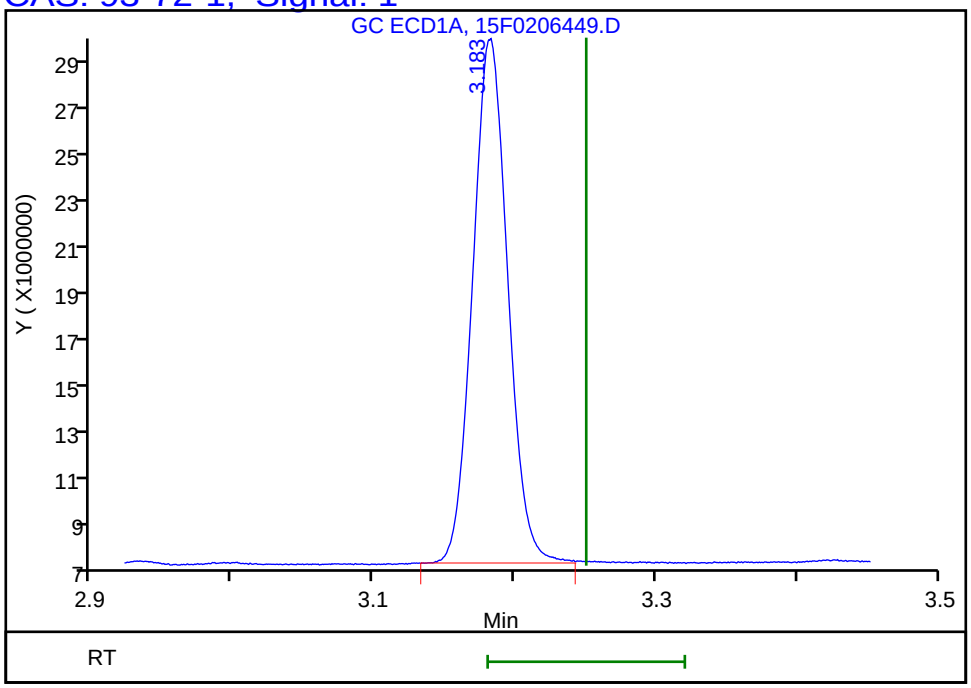
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206449.D
Injection Date: 14-May-2024 07:32:14 Instrument ID: CPESTGC15
Lims ID: LB 460-974423/1-D
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

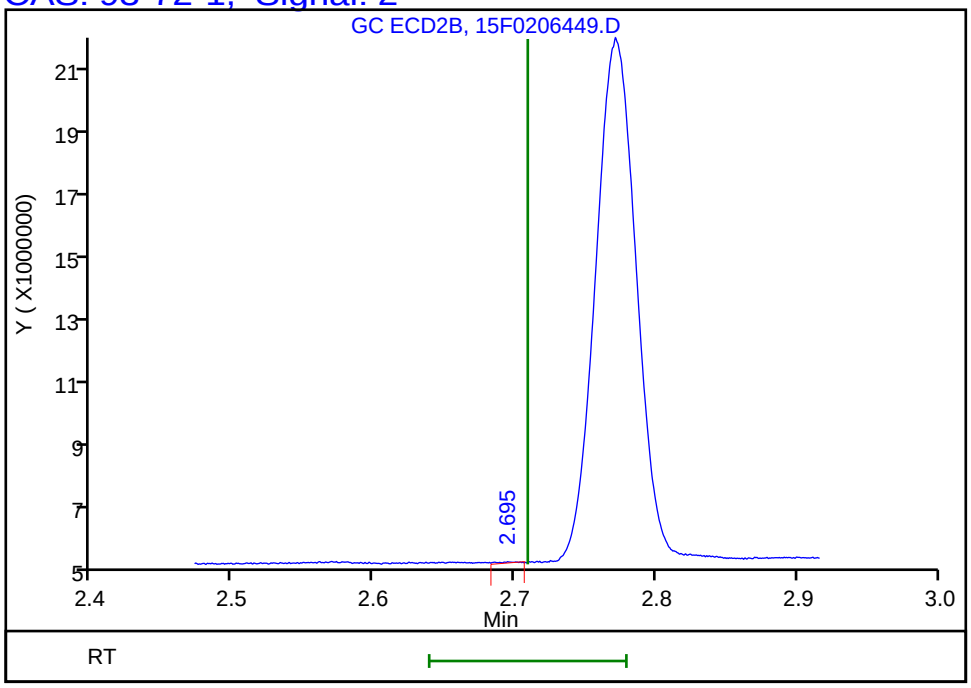
RT: 3.18
Response: 37815382
Amount: 30.891069



Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.69
Response: 26607
Amount: 0.028306



Reviewer: SE1K, 14-May-2024 08:16:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 460-974423/1-D

Matrix: Solid (TCLP) | Lab File ID: 15F0206449.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:55

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 07:32

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	5.0	U	83	5.0
93-72-1	Silvex (2,4,5-TP)	4.0	U	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	23		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206449.D
Lims ID: LB 460-974423/1-D
Client ID:
Sample Type: LB
Inject. Date: 14-May-2024 07:32:14 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-005
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 08:16:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid							
1	1.936	1.932	0.004	55192069	1000.0	236.4	
2	1.587	1.584	0.003	41953736	1000.0	234.3	
						RPD = 0.89	

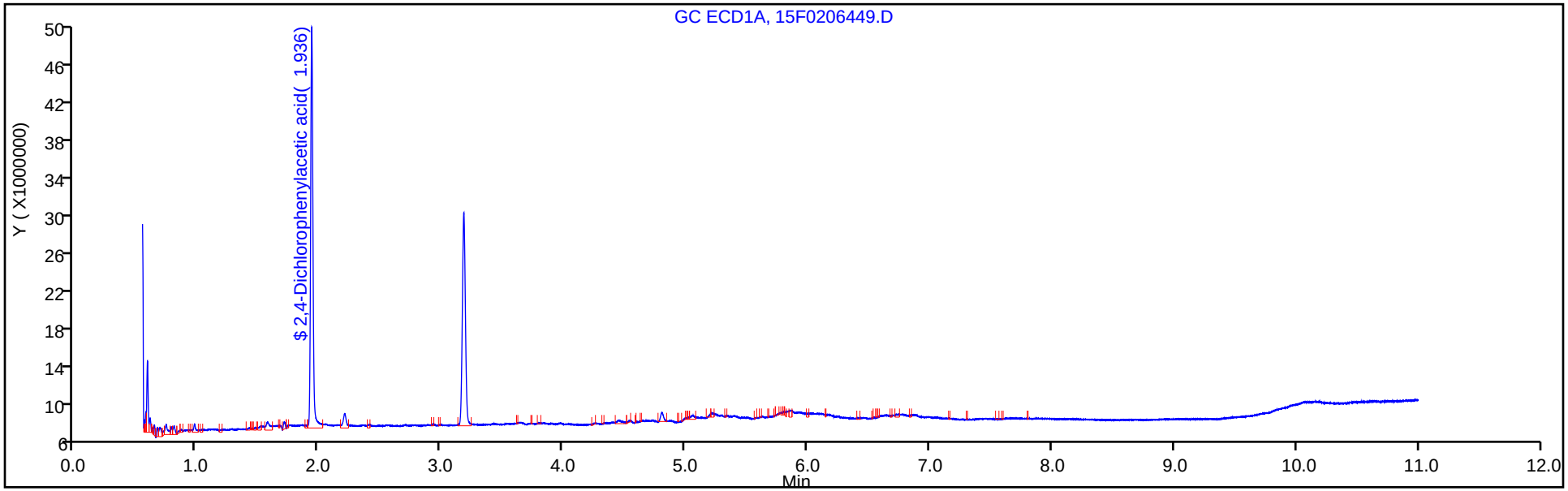
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Eurofins Edison

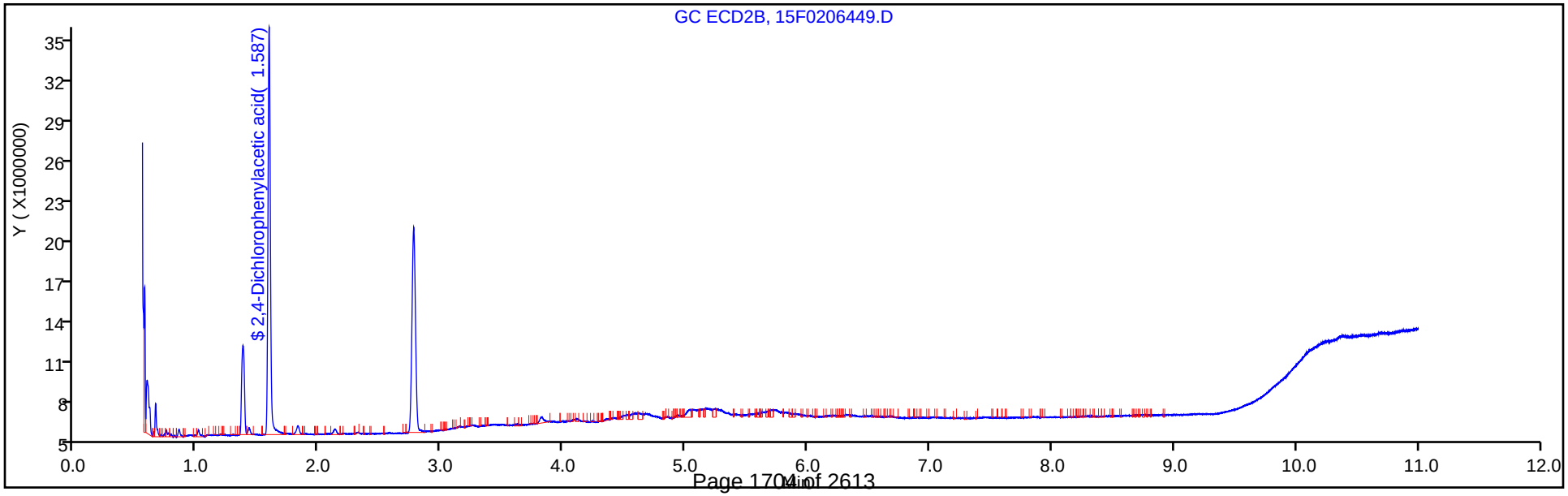
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Injection Date:	14-May-2024 07:32:14	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	LB 460-974423/1-D			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 14-May-2024 11:01:15 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206449.D				
Lims ID:	LB 460-974423/1-D				
Client ID:					
Sample Type:	LB				
Inject. Date:	14-May-2024 07:32:14	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-005				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:01:09	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1691				
First Level Reviewer: SE1K		Date:	14-May-2024 08:16:57		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	236.4	23.64

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	234.3	23.43

User Disabled Compound Report

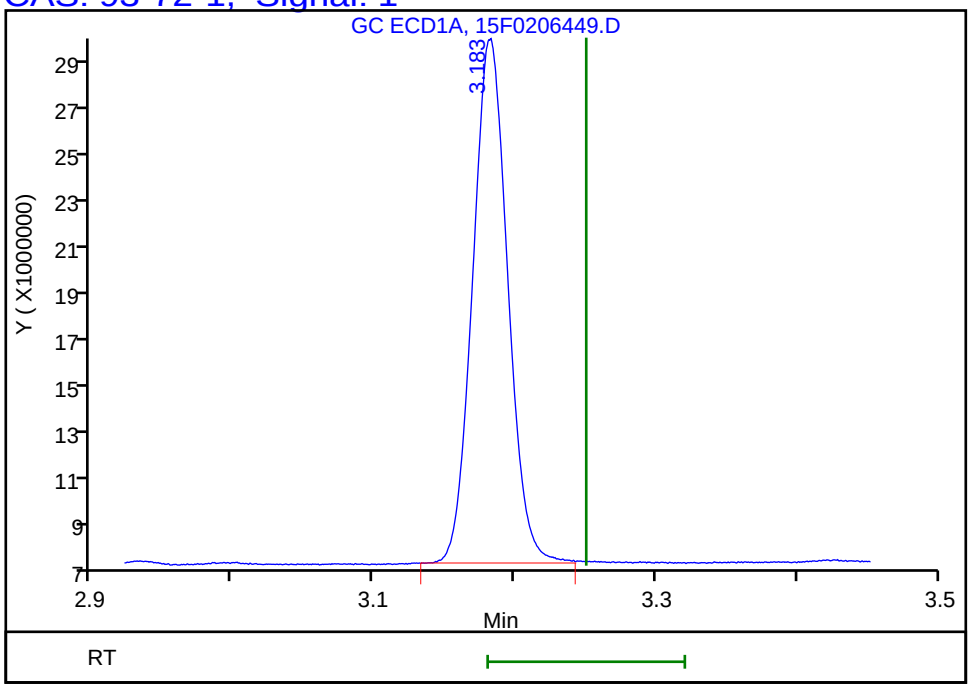
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206449.D
Injection Date: 14-May-2024 07:32:14 Instrument ID: CPESTGC15
Lims ID: LB 460-974423/1-D
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC15 Limit Group: SV GC 8151 HERBS ICAL

Column: DB-5 (0.53 mm) Detector GC ECD1A

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 1

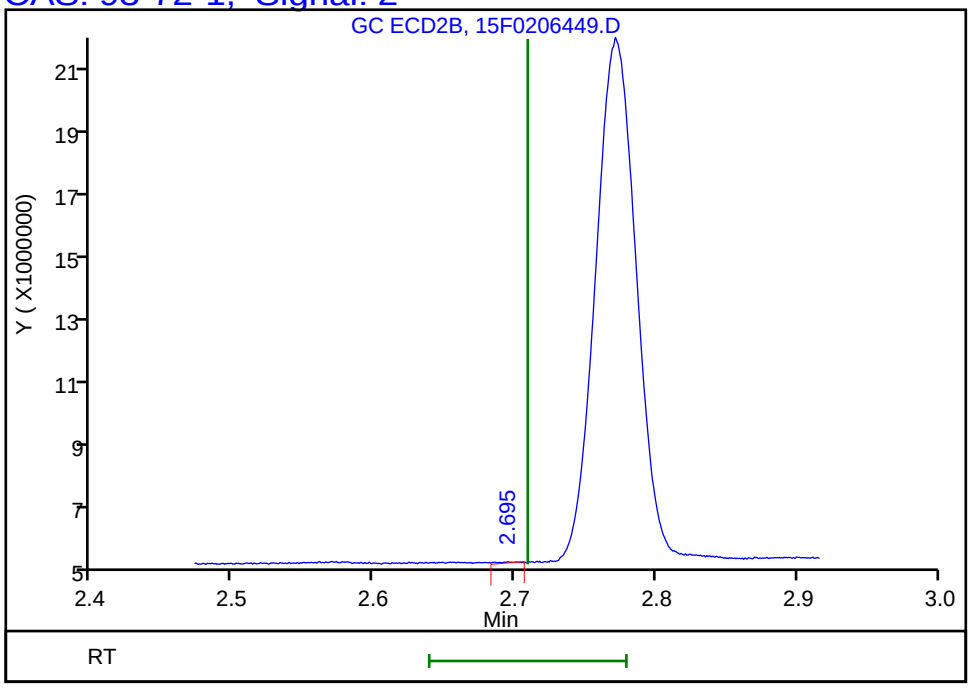
RT: 3.18
Response: 37815382
Amount: 30.891069



Column: Rtx-CLP Pest 2 (0.53 mm) Detector GC ECD2B

2 Silvex (2,4,5-TP), CAS: 93-72-1, Signal: 2

RT: 2.69
Response: 26607
Amount: 0.028306



Reviewer: SE1K, 14-May-2024 08:16:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-974531/2-A

Matrix: Solid | Lab File ID: 15F0206447.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:54

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 07:05

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	*2,4-D*	*168*		*83*	*5.0*
93-72-1	*Silvex (2,4,5-TP)*	*44.1*	*J*	*83*	*4.0*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	81		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206447.D
Lims ID: LCS 460-974531/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-May-2024 07:05:18 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-003
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 08:08:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.578	0.575	0.003	109219610	400.0	437.7	
2	0.585	0.583	0.002	65015467	400.0	382.7	
						RPD = 13.42	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.936	1.932	0.004	190215395	1000.0	814.8	
2	1.587	1.584	0.003	138232896	1000.0	772.1	
						RPD = 5.38	
1 Dicamba							
1	2.044	2.040	0.004	196877117	200.0	242.0	
2	1.676	1.673	0.003	145143037	200.0	237.1	
						RPD = 2.06	
9 MCPP							
1	2.116	2.113	0.003	34773190	40000	56353	
2	1.781	1.778	0.003	36846009	40000	48036	
						RPD = 15.94	
3 MCPA							
1	2.268	2.263	0.005	56122208	40000	53887	
2	1.858	1.856	0.002	51415821	40000	47581	
						RPD = 12.43	
5 Dichlorprop							
1	2.487	2.483	0.004	110365557	400.0	463.0	
2	2.067	2.063	0.004	87662099	400.0	473.4	
						RPD = 2.24	
8 2,4-D							
1	2.701	2.696	0.005	138771857	400.0	505.1	
2	2.197	2.194	0.003	104726590	400.0	509.6	
						RPD = 0.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.934	2.930	0.004	276109971	100.0	77.9	
2	2.315	2.313	0.002	217192423	100.0	81.9	
						RPD = 5.00	
2 Silvex (2,4,5-TP)							
1	3.254	3.250	0.004	162011912	100.0	132.3	
2	2.711	2.709	0.002	126756391	100.0	134.8	
						RPD = 1.87	
4 2,4,5-T							M
1	3.532	3.527	0.005	155535880	100.0	121.1	M
2	2.888	2.885	0.003	141123667	100.0	147.8	M
						RPD = 19.86	
6 2,4-DB							
1	3.900	3.893	0.007	85645589	400.0	516.3	
2	3.247	3.243	0.004	59429936	400.0	304.2	
						RPD = 51.68	
13 Dinoseb							
1	4.094	4.088	0.006	280160457	400.0	324.7	
2	3.943	3.941	0.002	204036017	400.0	326.7	
						RPD = 0.61	
7 Picloram							
1	4.805	4.800	0.005	179762438	400.0	87.0	
2	3.814	3.811	0.003	112007468	400.0	79.5	
						RPD = 8.95	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

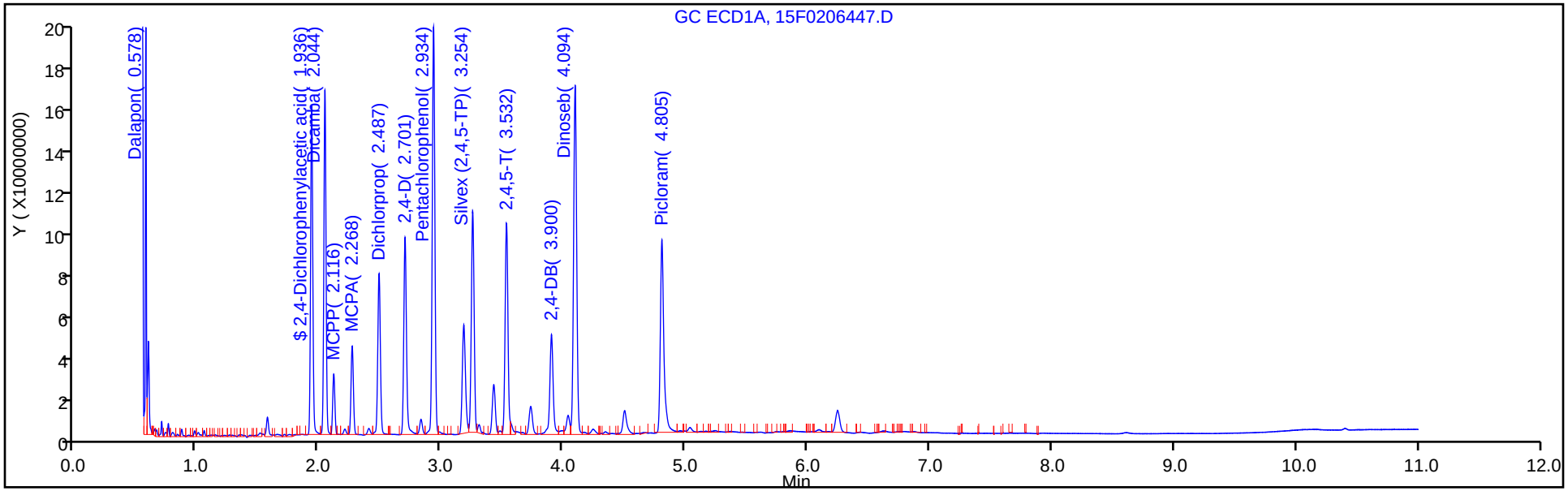
Report Date: 14-May-2024 11:01:12 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

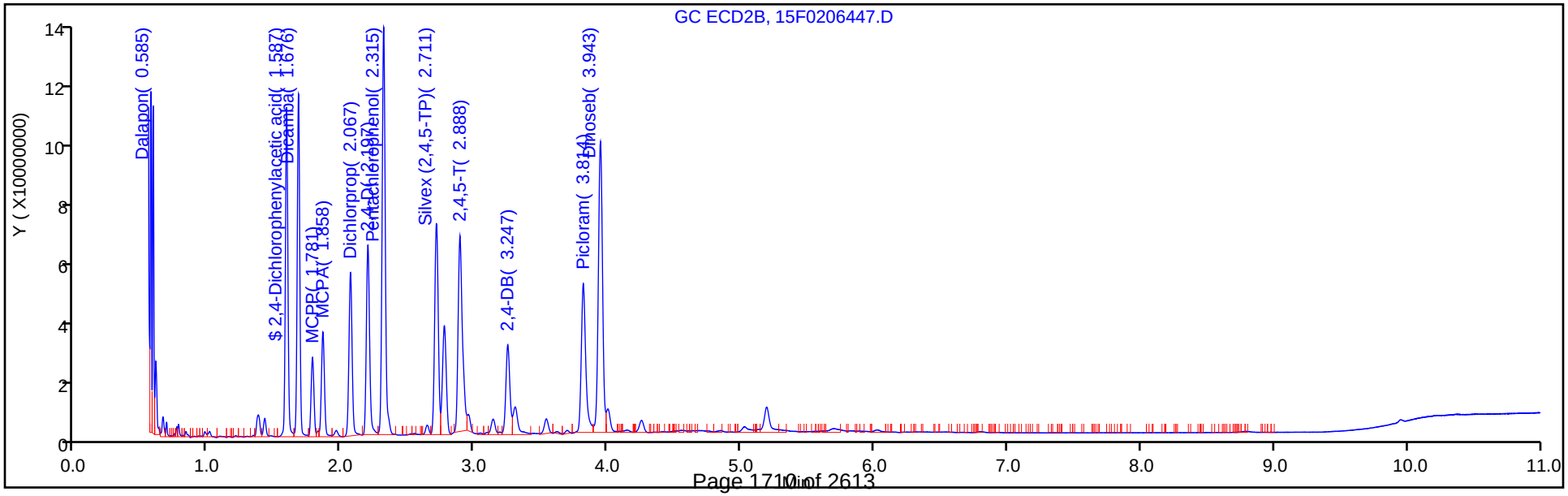
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Injection Date:	14-May-2024 07:05:18	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	LCS 460-974531/2-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Report Date: 14-May-2024 11:01:12 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206447.D				
Lims ID:	LCS 460-974531/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	14-May-2024 07:05:18	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-003				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:01:09	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1691				
First Level Reviewer: SE1K		Date:	14-May-2024 08:08:12		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	814.8	81.48

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	772.1	77.21

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-974531/2-A

Matrix: Solid | Lab File ID: 15F0206447.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:54

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 07:05

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	170		83	5.0
93-72-1	Silvex (2,4,5-TP)	44.9	J	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	77		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206447.D
Lims ID: LCS 460-974531/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-May-2024 07:05:18 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-003
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 08:08:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.578	0.575	0.003	109219610	400.0	437.7	
2	0.585	0.583	0.002	65015467	400.0	382.7	
						RPD = 13.42	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.936	1.932	0.004	190215395	1000.0	814.8	
2	1.587	1.584	0.003	138232896	1000.0	772.1	
						RPD = 5.38	
1 Dicamba							
1	2.044	2.040	0.004	196877117	200.0	242.0	
2	1.676	1.673	0.003	145143037	200.0	237.1	
						RPD = 2.06	
9 MCPP							
1	2.116	2.113	0.003	34773190	40000	56353	
2	1.781	1.778	0.003	36846009	40000	48036	
						RPD = 15.94	
3 MCPA							
1	2.268	2.263	0.005	56122208	40000	53887	
2	1.858	1.856	0.002	51415821	40000	47581	
						RPD = 12.43	
5 Dichlorprop							
1	2.487	2.483	0.004	110365557	400.0	463.0	
2	2.067	2.063	0.004	87662099	400.0	473.4	
						RPD = 2.24	
8 2,4-D							
1	2.701	2.696	0.005	138771857	400.0	505.1	
2	2.197	2.194	0.003	104726590	400.0	509.6	
						RPD = 0.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	2.934	2.930	0.004	276109971	100.0	77.9	
2	2.315	2.313	0.002	217192423	100.0	81.9	
						RPD = 5.00	
2 Silvex (2,4,5-TP)							
1	3.254	3.250	0.004	162011912	100.0	132.3	
2	2.711	2.709	0.002	126756391	100.0	134.8	
						RPD = 1.87	
4 2,4,5-T							M
1	3.532	3.527	0.005	155535880	100.0	121.1	M
2	2.888	2.885	0.003	141123667	100.0	147.8	M
						RPD = 19.86	
6 2,4-DB							
1	3.900	3.893	0.007	85645589	400.0	516.3	
2	3.247	3.243	0.004	59429936	400.0	304.2	
						RPD = 51.68	
13 Dinoseb							
1	4.094	4.088	0.006	280160457	400.0	324.7	
2	3.943	3.941	0.002	204036017	400.0	326.7	
						RPD = 0.61	
7 Picloram							
1	4.805	4.800	0.005	179762438	400.0	87.0	
2	3.814	3.811	0.003	112007468	400.0	79.5	
						RPD = 8.95	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

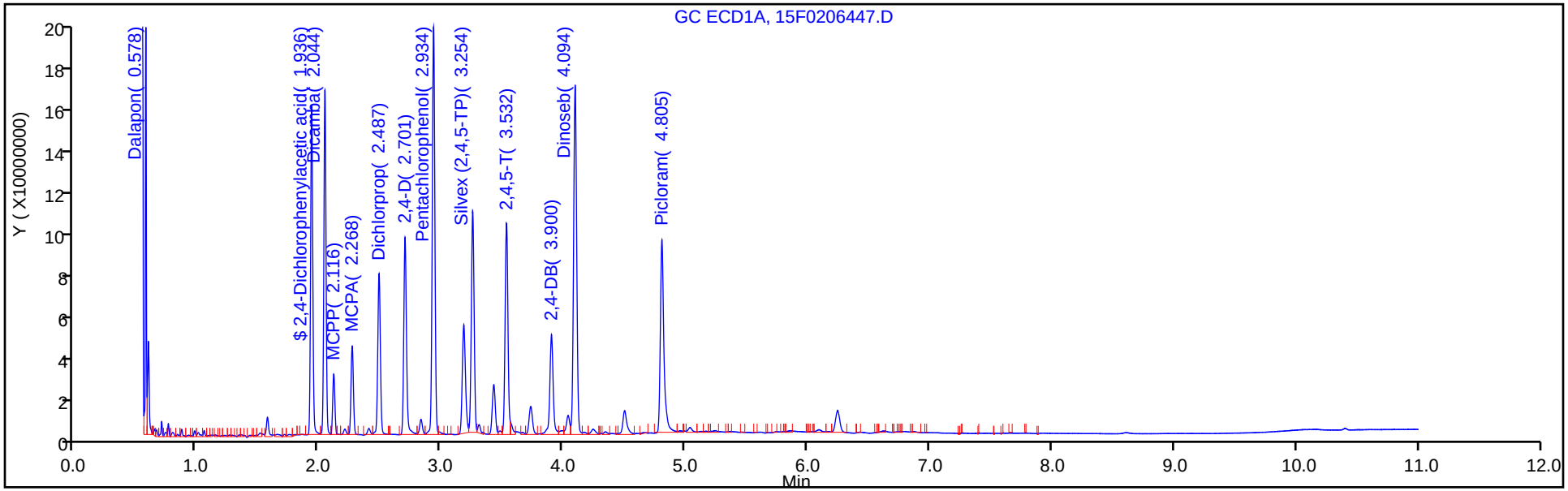
Report Date: 14-May-2024 11:01:12 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

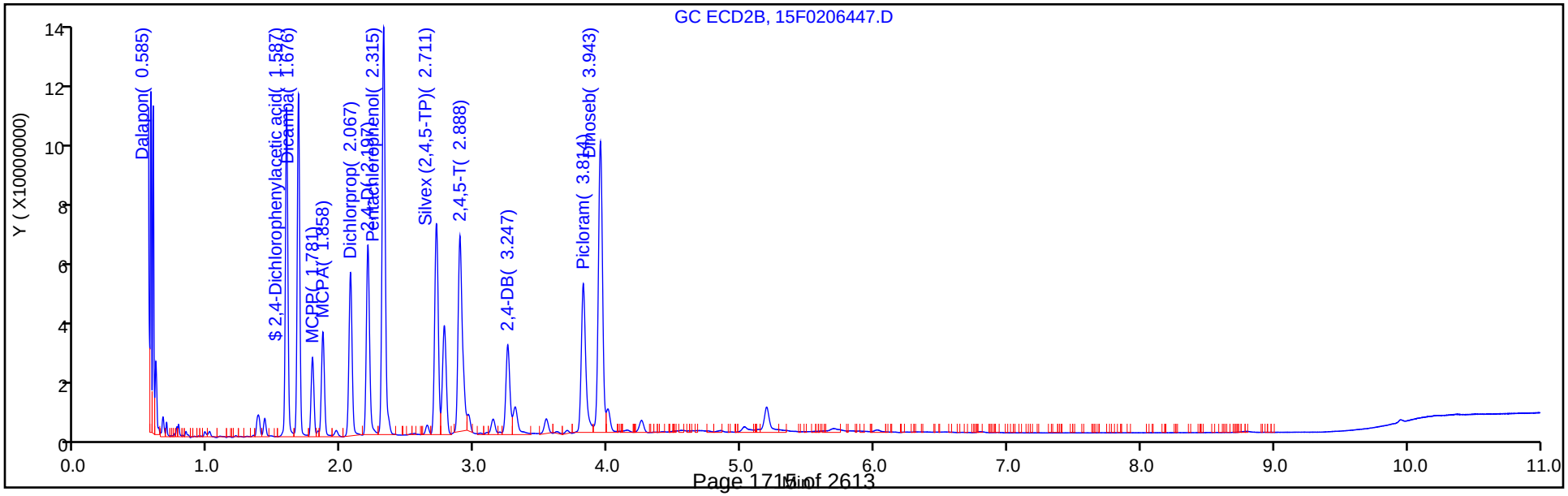
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206447.D

Injection Date:	14-May-2024 07:05:18	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	LCS 460-974531/2-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206447.D
Lims ID: LCS 460-974531/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-May-2024 07:05:18 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-003
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

First Level Reviewer: SE1K Date: 14-May-2024 08:08:12

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	814.8	81.48

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	772.1	77.21

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-974531/3-A

Matrix: Solid | Lab File ID: 15F0206448.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:54

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 07:18

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-5 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	*2,4-D*	*135*		*83*	*5.0*
93-72-1	*Silvex (2,4,5-TP)*	*41.7*	*J*	*83*	*4.0*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	72		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206448.D
Lims ID: LCSD 460-974531/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 14-May-2024 07:18:45 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-004
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.578	0.575	0.003	111493640	400.0	446.9	
2	0.585	0.583	0.002	66144316	400.0	389.3	
						RPD = 13.76	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.935	1.932	0.003	167756002	1000.0	718.6	
2	1.587	1.584	0.003	123797425	1000.0	691.5	
						RPD = 3.85	
1 Dicamba							
1	2.044	2.040	0.004	180767871	200.0	222.2	
2	1.676	1.673	0.003	135792387	200.0	221.8	
						RPD = 0.19	
9 MCPP							
1	2.117	2.113	0.004	30922758	40000	50113	
2	1.781	1.778	0.003	33621160	40000	43831	
						RPD = 13.37	
3 MCPA							
1	2.267	2.263	0.004	47184383	40000	45305	
2	1.860	1.856	0.004	44934280	40000	41583	
						RPD = 8.57	
5 Dichlorprop							
1	2.487	2.483	0.004	98198653	400.0	411.9	
2	2.067	2.063	0.004	78860893	400.0	425.9	
						RPD = 3.34	
8 2,4-D							
1	2.701	2.696	0.005	111520025	400.0	405.9	
2	2.197	2.194	0.003	84725380	400.0	412.3	
						RPD = 1.57	
10 Pentachlorophenol							
1	2.934	2.930	0.004	297178708	100.0	83.9	
2	2.316	2.313	0.003	232453578	100.0	87.7	
						RPD = 4.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Silvex (2,4,5-TP)							
1	3.254	3.250	0.004	153027180	100.0	125.0	
2	2.713	2.709	0.004	120487019	100.0	128.2	
						RPD = 2.51	
4 2,4,5-T							
1	3.532	3.527	0.005	138811653	100.0	108.1	
2	2.889	2.885	0.004	133542490	100.0	139.9	
						RPD = 25.63	
6 2,4-DB							
1	3.899	3.893	0.006	55218398	400.0	332.8	
2	3.248	3.243	0.005	39112847	400.0	200.2	
						RPD = 49.76	
13 Dinoseb							
1	4.093	4.088	0.005	241755291	400.0	280.2	
2	3.943	3.941	0.002	178692626	400.0	286.2	
						RPD = 2.09	
7 Picloram							
1	4.804	4.800	0.004	166302612	400.0	80.5	
2	3.814	3.811	0.003	102362990	400.0	72.7	
						RPD = 10.16	

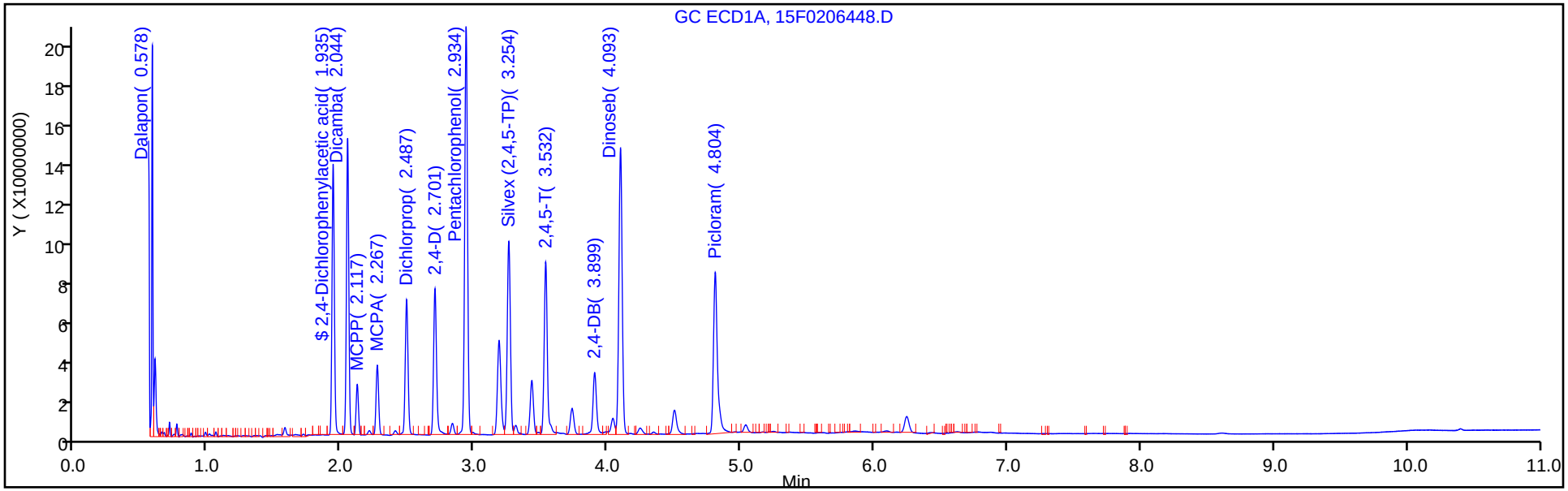
Report Date: 14-May-2024 11:01:13 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

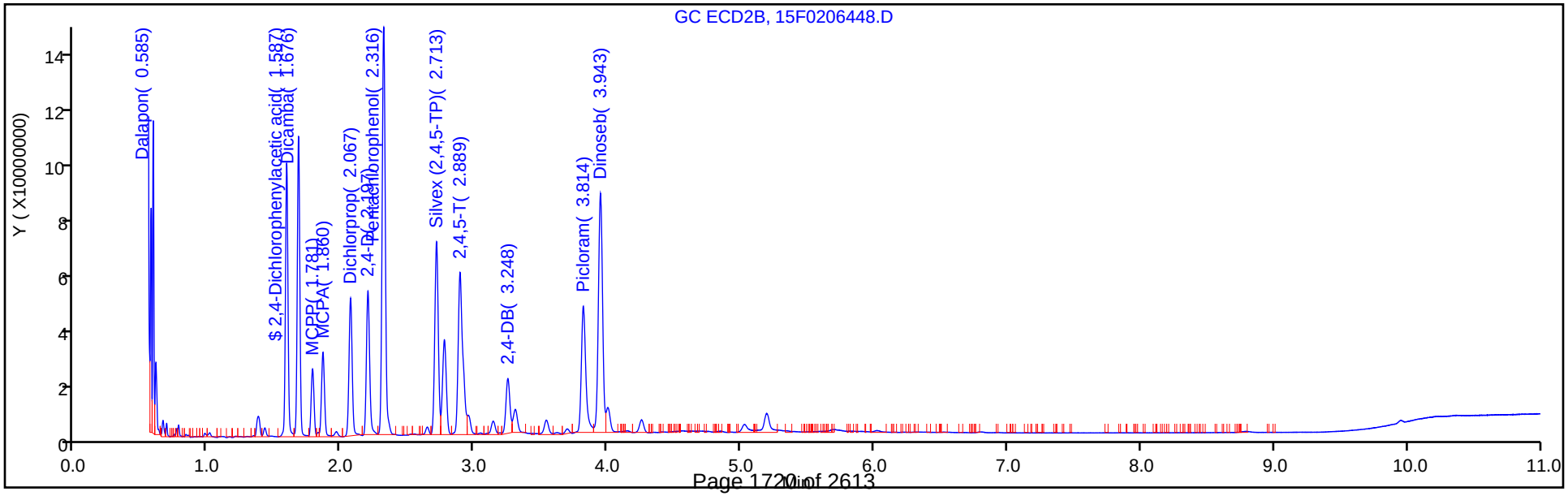
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206448.D

Injection Date:	14-May-2024 07:18:45	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	LCSD 460-974531/3-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206448.D				
Lims ID:	LCSD 460-974531/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	14-May-2024 07:18:45	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-004				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:01:09	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1691				

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	718.6	71.86

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	691.5	69.15

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-974531/3-A

Matrix: Solid | Lab File ID: 15F0206448.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 05/13/2024 10:54

Sample wt/vol: 15(mL) | Date Analyzed: 05/14/2024 07:18

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 974543 | Units: ug/L

Preparation Batch No.: 974531 | Instrument ID: PESTGC15

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	137		83	5.0
93-72-1	Silvex (2,4,5-TP)	42.7	J	83	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	69		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206448.D
Lims ID: LCSD 460-974531/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 14-May-2024 07:18:45 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0175805-004
Operator ID: Instrument ID: CPESTGC15

Method: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 14-May-2024 11:01:09 Calib Date: 11-May-2024 10:11:15
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : Rtx-CLP Pest 2 (0.53 mm) Det: GC ECD2B
Process Host: CTX1691

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.578	0.575	0.003	111493640	400.0	446.9	
2	0.585	0.583	0.002	66144316	400.0	389.3	
						RPD = 13.76	
$ 11 2,4-Dichlorophenylacetic acid							
1	1.935	1.932	0.003	167756002	1000.0	718.6	
2	1.587	1.584	0.003	123797425	1000.0	691.5	
						RPD = 3.85	
1 Dicamba							
1	2.044	2.040	0.004	180767871	200.0	222.2	
2	1.676	1.673	0.003	135792387	200.0	221.8	
						RPD = 0.19	
9 MCPP							
1	2.117	2.113	0.004	30922758	40000	50113	
2	1.781	1.778	0.003	33621160	40000	43831	
						RPD = 13.37	
3 MCPA							
1	2.267	2.263	0.004	47184383	40000	45305	
2	1.860	1.856	0.004	44934280	40000	41583	
						RPD = 8.57	
5 Dichlorprop							
1	2.487	2.483	0.004	98198653	400.0	411.9	
2	2.067	2.063	0.004	78860893	400.0	425.9	
						RPD = 3.34	
8 2,4-D							
1	2.701	2.696	0.005	111520025	400.0	405.9	
2	2.197	2.194	0.003	84725380	400.0	412.3	
						RPD = 1.57	
10 Pentachlorophenol							
1	2.934	2.930	0.004	297178708	100.0	83.9	
2	2.316	2.313	0.003	232453578	100.0	87.7	
						RPD = 4.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Silvex (2,4,5-TP)							
1	3.254	3.250	0.004	153027180	100.0	125.0	
2	2.713	2.709	0.004	120487019	100.0	128.2	
						RPD = 2.51	
4 2,4,5-T							
1	3.532	3.527	0.005	138811653	100.0	108.1	
2	2.889	2.885	0.004	133542490	100.0	139.9	
						RPD = 25.63	
6 2,4-DB							
1	3.899	3.893	0.006	55218398	400.0	332.8	
2	3.248	3.243	0.005	39112847	400.0	200.2	
						RPD = 49.76	
13 Dinoseb							
1	4.093	4.088	0.005	241755291	400.0	280.2	
2	3.943	3.941	0.002	178692626	400.0	286.2	
						RPD = 2.09	
7 Picloram							
1	4.804	4.800	0.004	166302612	400.0	80.5	
2	3.814	3.811	0.003	102362990	400.0	72.7	
						RPD = 10.16	

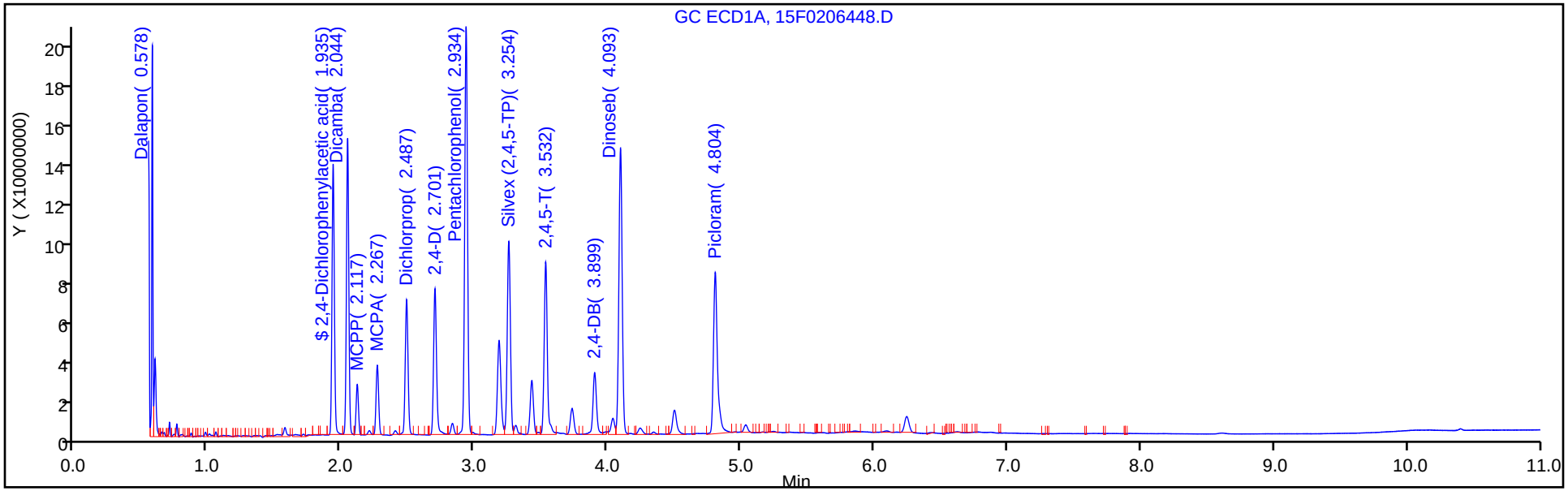
Report Date: 14-May-2024 11:01:14 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Edison

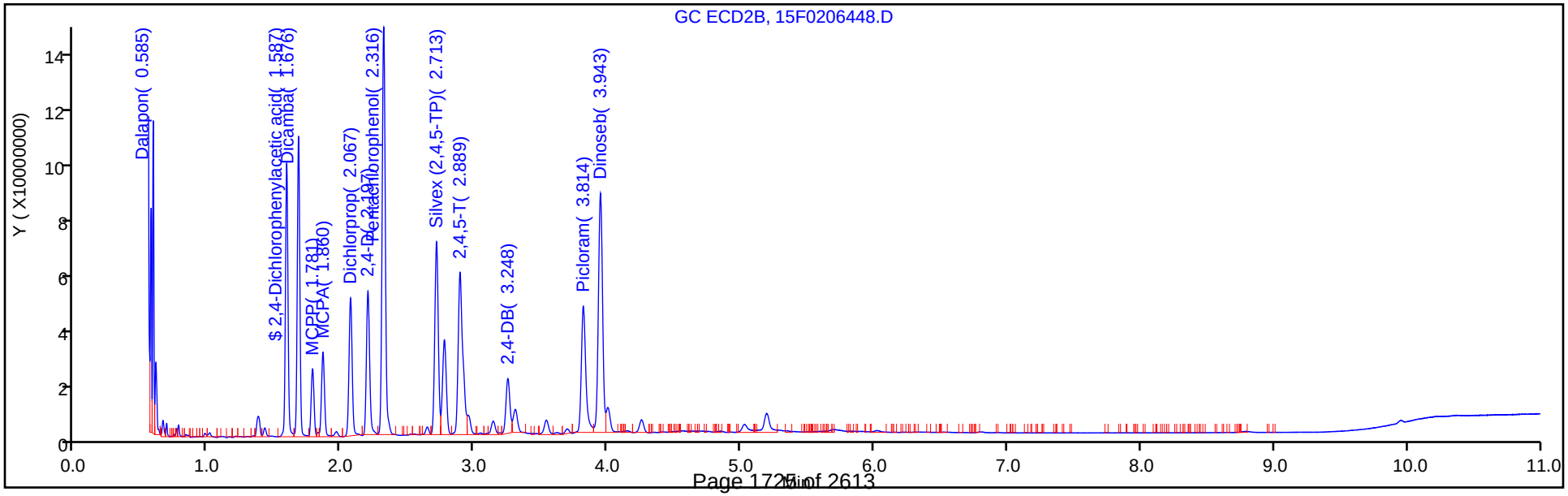
Data File: \\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206448.D

Injection Date:	14-May-2024 07:18:45	Instrument ID:	CPESTGC15	Operator ID:	
Lims ID:	LCSD 460-974531/3-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8151GC15	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: Rtx-CLP Pest 2 (0.53 mm)



Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\15F0206448.D				
Lims ID:	LCSD 460-974531/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	14-May-2024 07:18:45	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0175805-004				
Operator ID:		Instrument ID:	CPESTGC15		
Method:	\\chromfs\Edison\ChromData\CPESTGC15\20240513-175805.b\8151GC15.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	14-May-2024 11:01:09	Calib Date:	11-May-2024 10:11:15		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC15\20240511-175745.b\15F0206404.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1691				

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	718.6	71.86

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 11 2,4-Dichlorophenylacetic acid	1000.0	691.5	69.15

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC15 Start Date: 05/11/2024 09:04

Analysis Batch Number: 974303 End Date: 05/11/2024 10:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 460-974303/2		05/11/2024 09:04	1	15F0206399.D	DB-5 0.53(mm)
IC 460-974303/2		05/11/2024 09:04	1	15F0206399.D	CLP-2 0.53(mm)
IC 460-974303/3		05/11/2024 09:17	1	15F0206400.D	DB-5 0.53(mm)
IC 460-974303/3		05/11/2024 09:17	1	15F0206400.D	CLP-2 0.53(mm)
IC 460-974303/4		05/11/2024 09:31	1	15F0206401.D	DB-5 0.53(mm)
IC 460-974303/4		05/11/2024 09:31	1	15F0206401.D	CLP-2 0.53(mm)
IC 460-974303/5 ICRT		05/11/2024 09:44	1	15F0206402.D	DB-5 0.53(mm)
IC 460-974303/5 ICRT		05/11/2024 09:44	1	15F0206402.D	CLP-2 0.53(mm)
IC 460-974303/6		05/11/2024 09:57	1	15F0206403.D	DB-5 0.53(mm)
IC 460-974303/6		05/11/2024 09:57	1	15F0206403.D	CLP-2 0.53(mm)
IC 460-974303/7		05/11/2024 10:11	1	15F0206404.D	DB-5 0.53(mm)
IC 460-974303/7		05/11/2024 10:11	1	15F0206404.D	CLP-2 0.53(mm)
ICV 460-974303/8		05/11/2024 10:24	1	15F0206405.D	DB-5 0.53(mm)
ICV 460-974303/8		05/11/2024 10:24	1	15F0206405.D	CLP-2 0.53(mm)

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: CPESTGC15 Start Date: 05/14/2024 06:33

Analysis Batch Number: 974543 End Date: 05/14/2024 10:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 460-974543/1		05/14/2024 06:33	1	15F0206445.D	DB-5 0.53(mm)
CCVRT 460-974543/1		05/14/2024 06:33	1	15F0206445.D	CLP-2 0.53(mm)
MB 460-974531/1-A		05/14/2024 06:51	1	15F0206446.D	DB-5 0.53(mm)
MB 460-974531/1-A		05/14/2024 06:51	1	15F0206446.D	CLP-2 0.53(mm)
LCS 460-974531/2-A		05/14/2024 07:05	1	15F0206447.D	DB-5 0.53(mm)
LCS 460-974531/2-A		05/14/2024 07:05	1	15F0206447.D	CLP-2 0.53(mm)
LCSD 460-974531/3-A		05/14/2024 07:18	1	15F0206448.D	DB-5 0.53(mm)
LCSD 460-974531/3-A		05/14/2024 07:18	1	15F0206448.D	CLP-2 0.53(mm)
LB 460-974423/1-D		05/14/2024 07:32	1	15F0206449.D	DB-5 0.53(mm)
LB 460-974423/1-D		05/14/2024 07:32	1	15F0206449.D	CLP-2 0.53(mm)
ZZZZZ		05/14/2024 07:45	1		DB-5 0.53(mm)
ZZZZZ		05/14/2024 07:45	1		CLP-2 0.53(mm)
460-303610-1	PL-C-4W-20240508-0.75-3.2	05/14/2024 07:59	1	15F0206451.D	DB-5 0.53(mm)
460-303610-1	PL-C-4W-20240508-0.75-3.2	05/14/2024 07:59	1	15F0206451.D	CLP-2 0.53(mm)
460-303610-2	PL-C-1W-20240508-0.75-4.1	05/14/2024 08:12	1	15F0206452.D	DB-5 0.53(mm)
460-303610-2	PL-C-1W-20240508-0.75-4.1	05/14/2024 08:12	1	15F0206452.D	CLP-2 0.53(mm)
460-303610-3	PL-C-5W-20240508-0.75-7.8	05/14/2024 08:25	1	15F0206453.D	DB-5 0.53(mm)
460-303610-3	PL-C-5W-20240508-0.75-7.8	05/14/2024 08:25	1	15F0206453.D	CLP-2 0.53(mm)
460-303610-4	PL-C-2W-20240508-1.7-7.4	05/14/2024 08:39	1	15F0206454.D	DB-5 0.53(mm)
460-303610-4	PL-C-2W-20240508-1.7-7.4	05/14/2024 08:39	1	15F0206454.D	CLP-2 0.53(mm)
460-303610-5	PL-C-3W-20240508-0.85-3.2	05/14/2024 08:52	1	15F0206455.D	DB-5 0.53(mm)
460-303610-5	PL-C-3W-20240508-0.85-3.2	05/14/2024 08:52	1	15F0206455.D	CLP-2 0.53(mm)
ZZZZZ		05/14/2024 09:06	1		DB-5 0.53(mm)
ZZZZZ		05/14/2024 09:06	1		CLP-2 0.53(mm)
CCV 460-974543/13		05/14/2024 09:19	1	15F0206457.D	DB-5 0.53(mm)
CCV 460-974543/13		05/14/2024 09:19	1	15F0206457.D	CLP-2 0.53(mm)
ZZZZZ		05/14/2024 09:48	1		DB-5 0.53(mm)
ZZZZZ		05/14/2024 09:48	1		CLP-2 0.53(mm)
ZZZZZ		05/14/2024 10:01	1		DB-5 0.53(mm)
ZZZZZ		05/14/2024 10:01	1		CLP-2 0.53(mm)
ZZZZZ		05/14/2024 10:14	1		DB-5 0.53(mm)
ZZZZZ		05/14/2024 10:14	1		CLP-2 0.53(mm)
CCV 460-974543/17		05/14/2024 10:28	1		DB-5 0.53(mm)
CCV 460-974543/17		05/14/2024 10:28	1		CLP-2 0.53(mm)

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974303 Batch Start Date: 05/11/24 09:04 Batch Analyst: Patel, Jignesh

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SGHB MIX ICV 00022	SGHERBL1 00005	SGHERBL2 00008	SGHERBL3 00004	SGHERBL4 00004
IC 460-974303/2		8151A			1 mL		1 mL			
IC 460-974303/3		8151A			1 mL			1 mL		
IC 460-974303/4		8151A			1 mL				1 mL	
IC 460-974303/5 ICRT		8151A			1 mL					1 mL
IC 460-974303/6		8151A			1 mL					
IC 460-974303/7		8151A			1 mL					
ICV 460-974303/8		8151A			1 mL	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SGHERBL5 00005	SGHERBL6 00003				
IC 460-974303/2		8151A								
IC 460-974303/3		8151A								
IC 460-974303/4		8151A								
IC 460-974303/5 ICRT		8151A								
IC 460-974303/6		8151A			1 mL					
IC 460-974303/7		8151A				1 mL				
ICV 460-974303/8		8151A								

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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VesselNumber	EFD_InitialpH	SampTemppH1	FiltCompDate
LB 460-974423/1		1311, 8151A, 8151A			100.00 g	2000 mL	12	4.95 SU		05/13/2024
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 8151A, 8151A	Solid	P	100.11 g	2000 mL	1	7.17 SU	1.67 Degrees C	05/13/2024
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 8151A, 8151A	Solid	P	100.06 g	2000 mL	2	8.34 SU	1.66 Degrees C	05/13/2024
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 8151A, 8151A	Solid	P	100.09 g	2000 mL	3	6.61 SU	1.61 Degrees C	05/13/2024
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 8151A, 8151A	Solid	P	100.03 g	2000 mL	4	8.28 SU	1370 Degrees C	05/13/2024
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 8151A, 8151A	Solid	P	100.08 g	2000 mL	5	7.05 SU	1.66 Degrees C	05/13/2024

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
LB 460-974423/1		1311, 8151A, 8151A			08:00	4.97 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 8151A, 8151A	Solid	P	08:55	5.65 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 8151A, 8151A	Solid	P	09:00	5.08 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 8151A, 8151A	Solid	P	09:05	5.00 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 8151A, 8151A	Solid	P	09:10	6.24 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 8151A, 8151A	Solid	P	09:15	5.05 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

Batch Notes	
Tumbler Rotations per Minute	29
Balance ID	13
Balance is Level? (Y/N)	Y
pH Meter ID	K
Room Temperature Thermometer ID	Ambient ID S72864 Temp 24.0c
TCLP Fluid 1 ID	TF1050324 Prep: 05/03/24 Exp: 11/03/24
TCLP Fluid 1 pH	4.92 SU
1N HCl ID	TCLP 3260 Prep: 04/25/24 Exp: 10/25/24
Filter ID	Env Express / 400224-3264 D
Uncorrected Maximum Temperature	25.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	24.1 Degrees C
Minimum Temperature	23.1 Degrees C
Room Temperature during Rotation	24.0 Degrees C

Basis	Basis Description
P	TCLP

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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974531 Batch Start Date: 05/13/24 10:54 Batch Analyst: Santos, Omar T

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_HERB_SU 00044
MB 460-974531/1		8151A, 8151A			15 mL	5 mL	7 SU	>12 SU	<2 SU	50 uL
LCS 460-974531/2		8151A, 8151A			15 mL	5 mL	7 SU	>12 SU	<2 SU	50 uL
LCSD 460-974531/3		8151A, 8151A			15 mL	5 mL	7 SU	>12 SU	<2 SU	50 uL
LB 460-974423/1-A		8151A, 8151A			15 mL	5 mL	5 SU	>12 SU	<2 SU	50 uL
460-303610-E-1-C	PL-C-4W-20240508-0.75-3.2	8151A, 8151A	Solid	P	15 mL	5 mL	6 SU	>12 SU	<2 SU	50 uL
460-303610-E-2-B	PL-C-1W-20240508-0.75-4.1	8151A, 8151A	Solid	P	15 mL	5 mL	5 SU	>12 SU	<2 SU	50 uL
460-303610-E-3-B	PL-C-5W-20240508-0.75-7.8	8151A, 8151A	Solid	P	15 mL	5 mL	5 SU	>12 SU	<2 SU	50 uL
460-303610-E-4-B	PL-C-2W-20240508-1.7-7.4	8151A, 8151A	Solid	P	15 mL	5 mL	6 SU	>12 SU	<2 SU	50 uL
460-303610-E-5-B	PL-C-3W-20240508-0.85-3.2	8151A, 8151A	Solid	P	15 mL	5 mL	5 SU	>12 SU	<2 SU	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	OP_Herbsp RTS 00015	AnalysisComment				
MB 460-974531/1		8151A, 8151A								
LCS 460-974531/2		8151A, 8151A			100 uL					
LCSD 460-974531/3		8151A, 8151A			100 uL					
LB 460-974423/1-A		8151A, 8151A				TCLP				
460-303610-E-1-C	PL-C-4W-20240508-0.75-3.2	8151A, 8151A	Solid	P		TCLP				
460-303610-E-2-B	PL-C-1W-20240508-0.75-4.1	8151A, 8151A	Solid	P		TCLP				
460-303610-E-3-B	PL-C-5W-20240508-0.75-7.8	8151A, 8151A	Solid	P		TCLP				
460-303610-E-4-B	PL-C-2W-20240508-1.7-7.4	8151A, 8151A	Solid	P		TCLP				
460-303610-E-5-B	PL-C-3W-20240508-0.85-3.2	8151A, 8151A	Solid	P		TCLP				

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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974531 Batch Start Date: 05/13/24 10:54 Batch Analyst: Santos, Omar T

Batch Method: 8151A Batch End Date:

Batch Notes	
Balance ID	12
Sulfuric Acid Lot Number	230441
pH Indicator ID	10BDH5021
Analyst ID - Extraction	OS
Analyst ID - Spike Analyst	OS
Analyst ID - Spike Witness Analyst	AB
Sufficient Volume for Batch QC	yes
Acid Used for pH Adjustment ID	OP3045
Diethyl Ether ID	Fisher: 213532
Acidified Na2SO4 ID	230290
Analyst ID - Concentration	OS
NaOH Start Time - 1 Hour	04/25/2024 20:21
NaOH End Time - 1 Hour	04/25/2024 23:30
Methylation Start Time - 1 Hour	04/25/2024 20:19
Diazald ID	SHBM4412
Potassium Hydroxide ID	OP3043
Carbitol ID	09613JEV
Silica Gel ID	21I0761055
Vial Lot Number	21036163
Hexane ID	21I1462009
Methanol ID	43215
Na2SO4 ID	230290
Batch Comment	HERB TCLP

Basis	Basis Description
P	TCLP

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.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG No.:

Project: Nepera

Client Sample ID	Lab Sample ID
PL-C-4W-20240508-0.75-3.2	460-303610-1
PL-C-1W-20240508-0.75-4.1	460-303610-2
PL-C-5W-20240508-0.75-7.8	460-303610-3
PL-C-2W-20240508-1.7-7.4	460-303610-4
PL-C-3W-20240508-0.85-3.2	460-303610-5
PL-C-3S-20240508-6.1-6.7	460-303610-6
PL-C-1S-20240508-9.7-10.7	460-303610-8
PL-C-4S-20240508-6.0-6.6	460-303610-10

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PL-C-4W-20240508-0.75-3.2 Lab Sample ID: 460-303610-1

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 13:05

Reporting Basis: DRY Date Received: 05/09/2024 20:00

Preparation Batch Number: 974897 Instrument ID: LEEMAN6

% Solids: 85.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	440	22	10	mg/Kg			1200	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: PL-C-4W-20240508-0.75-3.2 Lab Sample ID: 460-303610-1

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 13:05

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: 974729 Instrument ID: ICPMS4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	8.9	20	8.9	ug/L	U		10	6020B
7440-39-3	Barium	61	40	9.1	ug/L			10	6020B
7440-43-9	Cadmium	3.9	20	3.9	ug/L	U		10	6020B
7440-47-3	Chromium	25	40	25	ug/L	U		10	6020B
7440-50-8	Copper	25	40	25	ug/L	U		10	6020B
7439-92-1	Lead	35	12	8.4	ug/L			10	6020B
7440-02-0	Nickel	17	40	9.1	ug/L	J		10	6020B
7782-49-2	Selenium	5.9	25	5.9	ug/L	U		10	6020B
7440-22-4	Silver	2.9	20	2.9	ug/L	U		10	6020B
7440-66-6	Zinc	480	160	65	ug/L			10	6020B
7439-97-6	Mercury	3.8	0.20	0.091	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PL-C-1W-20240508-0.75-4.1
Lab Sample ID: 460-303610-2
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 12:15
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number: 974897
Instrument ID: LEEMAN6
% Solids: 93.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	290	21	9.8	mg/Kg			1200	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: PL-C-1W-20240508-0.75-4.1 Lab Sample ID: 460-303610-2

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 12:15

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: 974729 Instrument ID: ICPMS4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	8.9	20	8.9	ug/L	U		10	6020B
7440-39-3	Barium	35	40	9.1	ug/L	J		10	6020B
7440-43-9	Cadmium	3.9	20	3.9	ug/L	U		10	6020B
7440-47-3	Chromium	25	40	25	ug/L	U		10	6020B
7440-50-8	Copper	4600	40	25	ug/L			10	6020B
7439-92-1	Lead	180	12	8.4	ug/L			10	6020B
7440-02-0	Nickel	36	40	9.1	ug/L	J		10	6020B
7782-49-2	Selenium	5.9	25	5.9	ug/L	U		10	6020B
7440-22-4	Silver	2.9	20	2.9	ug/L	U		10	6020B
7440-66-6	Zinc	65	160	65	ug/L	U		10	6020B
7439-97-6	Mercury	6.7	0.20	0.091	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PL-C-5W-20240508-0.75-7.8
Lab Sample ID: 460-303610-3
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 11:10
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number: 974897
Instrument ID: LEEMAN6
% Solids: 89.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	520	21	9.8	mg/Kg			1200	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: PL-C-5W-20240508-0.75-7.8 Lab Sample ID: 460-303610-3

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 11:10

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: 974729 Instrument ID: ICPMS4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	8.9	20	8.9	ug/L	U		10	6020B
7440-39-3	Barium	25	40	9.1	ug/L	J		10	6020B
7440-43-9	Cadmium	3.9	20	3.9	ug/L	U		10	6020B
7440-47-3	Chromium	25	40	25	ug/L	U		10	6020B
7440-50-8	Copper	26	40	25	ug/L	J		10	6020B
7439-92-1	Lead	72	12	8.4	ug/L			10	6020B
7440-02-0	Nickel	29	40	9.1	ug/L	J		10	6020B
7782-49-2	Selenium	5.9	25	5.9	ug/L	U		10	6020B
7440-22-4	Silver	2.9	20	2.9	ug/L	U		10	6020B
7440-66-6	Zinc	65	160	65	ug/L	U		10	6020B
7439-97-6	Mercury	16	0.60	0.27	ug/L			3	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PL-C-2W-20240508-1.7-7.4 Lab Sample ID: 460-303610-4

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 10:10

Reporting Basis: DRY Date Received: 05/09/2024 20:00

Preparation Batch Number: 974897 Instrument ID: LEEMAN6

% Solids: 94.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	470	21	9.7	mg/Kg			1200	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: PL-C-2W-20240508-1.7-7.4 Lab Sample ID: 460-303610-4

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 10:10

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: 974729 Instrument ID: ICPMS4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	8.9	20	8.9	ug/L	U		10	6020B
7440-39-3	Barium	96	40	9.1	ug/L			10	6020B
7440-43-9	Cadmium	3.9	20	3.9	ug/L	U		10	6020B
7440-47-3	Chromium	25	40	25	ug/L	U		10	6020B
7440-50-8	Copper	25	40	25	ug/L	U		10	6020B
7439-92-1	Lead	14	12	8.4	ug/L			10	6020B
7440-02-0	Nickel	58	40	9.1	ug/L			10	6020B
7782-49-2	Selenium	5.9	25	5.9	ug/L	U		10	6020B
7440-22-4	Silver	2.9	20	2.9	ug/L	U		10	6020B
7440-66-6	Zinc	65	160	65	ug/L	U		10	6020B
7439-97-6	Mercury	1.7	0.20	0.091	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PL-C-3W-20240508-0.85-3.2
Lab Sample ID: 460-303610-5
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 08:50
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number: 974897
Instrument ID: LEEMAN6
% Solids: 90.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	500	20	9.4	mg/Kg			1200	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: PL-C-3W-20240508-0.85-3.2 Lab Sample ID: 460-303610-5

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 08:50

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: 974729 Instrument ID: ICPMS4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	8.9	20	8.9	ug/L	U		10	6020B
7440-39-3	Barium	20	40	9.1	ug/L	J		10	6020B
7440-43-9	Cadmium	3.9	20	3.9	ug/L	U		10	6020B
7440-47-3	Chromium	25	40	25	ug/L	U		10	6020B
7440-50-8	Copper	25	40	25	ug/L	U		10	6020B
7439-92-1	Lead	67	12	8.4	ug/L			10	6020B
7440-02-0	Nickel	9.1	40	9.1	ug/L	U		10	6020B
7782-49-2	Selenium	5.9	25	5.9	ug/L	U		10	6020B
7440-22-4	Silver	2.9	20	2.9	ug/L	U		10	6020B
7440-66-6	Zinc	65	160	65	ug/L	U		10	6020B
7439-97-6	Mercury	1.4	0.20	0.091	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PL-C-3S-20240508-6.1-6.7
Lab Sample ID: 460-303610-6
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 09:10
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number: 974897
Instrument ID: LEEMAN6
% Solids: 89.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	100	7.3	3.4	mg/Kg			400	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PL-C-1S-20240508-9.7-10.7
Lab Sample ID: 460-303610-8
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 12:20
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number: 974897
Instrument ID: LEEMAN6
% Solids: 88.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	7.3	0.36	0.17	mg/Kg			20	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PL-C-4S-20240508-6.0-6.6
Lab Sample ID: 460-303610-10
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 13:00
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number: 974897
Instrument ID: LEEMAN6
% Solids: 71.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	180	8.5	4.0	mg/Kg			400	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: Interm_ICV_00017 Concentration Units: ug/L

CCV Source: me_Cal5_00158

Analyte	ICV 460-975529/7 05/17/2024 10:45				CCV 460-975529/19 05/17/2024 11:15				CCV 460-975529/31 05/17/2024 11:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	78.8		80.0	98	98.4		100	98	102		100	102
Barium	80.4		80.0	100	99.3		100	99	99.4		100	99
Cadmium	80.5		80.0	101	98.5		100	98	100		100	100
Chromium	78.5		80.0	98	98.5		100	98	98.4		100	98
Copper	79.8		80.0	100	98.7		100	99	99.2		100	99
Lead	79.4		80.0	99	99.1		100	99	98.9		100	99
Nickel	80.5		80.0	101	98.7		100	99	101		100	101
Selenium	80.3		80.0	100	99.9		100	100	102		100	102
Silver	39.8		40.0	100	50.2		50.0	100	50.4		50.0	101
Zinc	199		200	99	245		250	98	250		250	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: Interm_ICV_00017 Concentration Units: ug/L

CCV Source: me_Cal5_00158

Analyte	CCV 460-975529/43 05/17/2024 12:23				CCV 460-975529/51 05/17/2024 12:43				CCV 460-975529/75 05/17/2024 13:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	99.2		100	99	103		100	103	99.2		100	99
Barium	98.4		100	98	97.6		100	98	98.5		100	99
Cadmium	99.5		100	100	99.1		100	99	101		100	101
Chromium	99.7		100	100	100		100	100	104		100	104
Copper	98.7		100	99	101		100	101	105		100	105
Lead	99.4		100	99	99.4		100	99	99.7		100	100
Nickel	99.7		100	100	103		100	103	105		100	105
Selenium	99.5		100	99	101		100	101	104		100	104
Silver	50.6		50.0	101	50.6		50.0	101	51.9		50.0	104
Zinc	247		250	99	248		250	99	258		250	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: Interm_ICV_00017 Concentration Units: ug/L

CCV Source: me_Cal5_00158

Analyte	CCV 460-975529/87 05/17/2024 14:11				CCV 460-975529/99 05/17/2024 14:41				CCV 460-975529/110 05/17/2024 15:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	101		100	101	97.2		100	97	100		100	100
Barium	100		100	100	99.7		100	100	102		100	102
Cadmium	98.9		100	99	101		100	101	101		100	101
Chromium	99.8		100	100	100		100	100	99.2		100	99
Copper	101		100	101	100		100	100	99.1		100	99
Lead	99.7		100	100	99.4		100	99	99.4		100	99
Nickel	102		100	102	101		100	101	100		100	100
Selenium	102		100	102	97.9		100	98	101		100	101
Silver	50.5		50.0	101	50.5		50.0	101	50.4		50.0	101
Zinc	249		250	100	249		250	100	247		250	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: ME_DQCS-INT_04307 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04577

Analyte	ICV 460-974766/29-A 05/14/2024 13:54				CCV 460-974766/33-A 05/14/2024 15:26				CCV 460-974766/33-A 05/14/2024 15:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.16		5.00	103	5.15		5.00	103	5.14		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: ME_DQCS-INT_04307 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04577

Analyte	CCV 460-974766/33-A 05/14/2024 16:07											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.16		5.00	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: ME_DQCS-INT_04308 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04578

Analyte	ICV 460-974972/7 05/15/2024 04:13				CCV 460-974972/93 05/15/2024 06:51				CCV 460-974972/105 05/15/2024 07:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.94		5.00	99	4.77		5.00	95	4.82		5.00	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: ME_DQCS-INT_04308 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04578

Analyte	CCV 460-974972/117 05/15/2024 07:40				CCV 460-974972/129 05/15/2024 08:02				CCV 460-974972/141 05/15/2024 08:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.04		5.00	101	5.11		5.00	102	5.12		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: ME_DQCS-INT_04308 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04578

Analyte	CCV 460-974972/148 05/15/2024 08:38											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.12		5.00	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: ME_DQCS-INT_04309 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04579

Analyte	ICV 460-975266/31-A 05/16/2024 14:19				CCV 460-975266/35-A 05/16/2024 15:50				CCV 460-975266/35-A 05/16/2024 16:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.08		5.00	102	5.06		5.00	101	5.05		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

ICV Source: ME_DQCS-INT_04309 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04579

Analyte	CCV 460-975266/35-A 05/16/2024 16:32				CCV 460-975266/35-A 05/16/2024 16:53				CCV 460-975266/35-A 05/16/2024 17:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.10		5.00	102	5.03		5.00	101	4.97		5.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Method: 7470A Instrument ID: LEEMAN6

Lab Sample ID: CRI 460-974766/30-A Concentration Units: ug/L

CRQL Check Standard Source: ME_DCAL-IN_04577

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.153	J	77	50-150

Lab Sample ID: CRI 460-975266/32-A Concentration Units: ug/L

CRQL Check Standard Source: ME_DCAL-IN_04579

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.174	J	87	50-150

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-975529/8 05/17/2024 10:48		CCB 460-975529/20 05/17/2024 11:17		CCB 460-975529/32 05/17/2024 11:56		CCB 460-975529/44 05/17/2024 12:26	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	0.89	U	0.89	U	0.89	U	0.89	U
Barium	4.0	0.91	U	0.91	U	0.91	U	0.91	U
Cadmium	2.0	0.39	U	0.39	U	0.39	U	0.39	U
Chromium	4.0	2.5	U	2.5	U	2.5	U	2.5	U
Copper	4.0	2.5	U	2.5	U	2.5	U	2.5	U
Lead	1.2	0.84	U	0.84	U	0.84	U	0.84	U
Nickel	4.0	0.91	U	0.91	U	0.91	U	0.91	U
Selenium	2.5	0.59	U	0.59	U	0.59	U	0.59	U
Silver	2.0	0.29	U	0.29	U	0.29	U	0.29	U
Zinc	16	6.5	U	6.5	U	6.5	U	6.5	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-975529/52 05/17/2024 12:45		CCB 460-975529/76 05/17/2024 13:44		CCB 460-975529/88 05/17/2024 14:14		CCB 460-975529/100 05/17/2024 14:43	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	0.89	U	0.89	U	0.89	U	0.89	U
Barium	4.0	0.91	U	0.91	U	0.91	U	0.91	U
Cadmium	2.0	0.39	U	0.39	U	0.39	U	0.39	U
Chromium	4.0	2.5	U	2.5	U	2.5	U	2.5	U
Copper	4.0	2.5	U	2.5	U	2.5	U	2.5	U
Lead	1.2	0.84	U	0.84	U	0.84	U	0.84	U
Nickel	4.0	0.91	U	0.91	U	0.91	U	0.91	U
Selenium	2.5	0.59	U	0.59	U	0.59	U	0.59	U
Silver	2.0	0.29	U	0.29	U	0.29	U	0.29	U
Zinc	16	6.5	U	6.5	U	6.5	U	6.5	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-975529/111 05/17/2024 15:10							
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	0.89	U						
Barium	4.0	0.91	U						
Cadmium	2.0	0.39	U						
Chromium	4.0	2.5	U						
Copper	4.0	2.5	U						
Lead	1.2	0.84	U						
Nickel	4.0	0.91	U						
Selenium	2.5	0.59	U						
Silver	2.0	0.29	U						
Zinc	16	6.5	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-974809/8 05/14/2024 13:56		CCB 460-974809/61 05/14/2024 15:27		CCB 460-974809/73 05/14/2024 15:48		CCB 460-974809/85 05/14/2024 16:09	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.091	U	0.091	U	0.091	U	0.091	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-974972/8 05/15/2024 04:15		CCB 460-974972/94 05/15/2024 06:52		CCB 460-974972/106 05/15/2024 07:17		CCB 460-974972/118 05/15/2024 07:42	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.091	U	0.091	U	0.091	U	0.091	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-974972/130 05/15/2024 08:04		CCB 460-974972/142 05/15/2024 08:27		CCB 460-974972/149 05/15/2024 08:39			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.091	U	0.091	U	0.091	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-975315/8 05/16/2024 14:21		CCB 460-975315/61 05/16/2024 15:52		CCB 460-975315/73 05/16/2024 16:13		CCB 460-975315/85 05/16/2024 16:34	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.091	U	0.091	U	0.091	U	0.091	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-975315/97 05/16/2024 16:55		CCB 460-975315/104 05/16/2024 17:07					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.091	U	0.091	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-974729/1-A

Instrument Code: ICPMS4 Batch No.: 975529

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.89	U		6020B
7440-39-3	Barium	0.91	U		6020B
7440-43-9	Cadmium	0.39	U		6020B
7440-47-3	Chromium	2.5	U		6020B
7440-50-8	Copper	2.5	U		6020B
7439-92-1	Lead	0.84	U		6020B
7440-02-0	Nickel	0.91	U		6020B
7782-49-2	Selenium	0.59	U		6020B
7440-22-4	Silver	0.29	U		6020B
7440-66-6	Zinc	6.5	U		6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-975439/1-A

Instrument Code: ICPMS4 Batch No.: 975529

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.89	U		6020B
7440-39-3	Barium	0.91	U		6020B
7440-43-9	Cadmium	0.39	U		6020B
7440-47-3	Chromium	2.5	U		6020B
7440-50-8	Copper	2.5	U		6020B
7439-92-1	Lead	0.84	U		6020B
7440-02-0	Nickel	0.91	U		6020B
7782-49-2	Selenium	0.59	U		6020B
7440-22-4	Silver	0.29	U		6020B
7440-66-6	Zinc	6.5	U		6020B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: LB 460-974569/1-C ^10

Instrument Code: ICPMS4 Batch No.: 975529

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	8.9	U		6020B
7440-39-3	Barium	9.1	U		6020B
7440-43-9	Cadmium	3.9	U		6020B
7440-47-3	Chromium	25	U		6020B
7440-50-8	Copper	25	U		6020B
7439-92-1	Lead	8.4	U		6020B
7440-02-0	Nickel	9.1	U		6020B
7782-49-2	Selenium	5.9	U		6020B
7440-22-4	Silver	2.9	U		6020B
7440-66-6	Zinc	65	U		6020B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: LB 460-974423/1-H ^10

Instrument Code: ICPMS4 Batch No.: 975529

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	8.9	U		6020B
7440-39-3	Barium	9.1	U		6020B
7440-43-9	Cadmium	3.9	U		6020B
7440-47-3	Chromium	25	U		6020B
7440-50-8	Copper	25	U		6020B
7439-92-1	Lead	8.4	U		6020B
7440-02-0	Nickel	9.1	U		6020B
7782-49-2	Selenium	5.9	U		6020B
7440-22-4	Silver	2.9	U		6020B
7440-66-6	Zinc	65	U		6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-974783/1-A

Instrument Code: LEEMAN6 Batch No.: 974809

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.091	U		7470A

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: LB 460-974423/1-F

Instrument Code: LEEMAN6 Batch No.: 974809

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.091	U		7470A

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-975279/1-A

Instrument Code: LEEMAN6 Batch No.: 975315

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.091	U		7470A

FORM III-IN

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: LB 460-975050/1-C

Instrument Code: LEEMAN6 Batch No.: 975315

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.091	U		7470A

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-974897/1-A

Instrument Code: LEEMAN6 Batch No.: 974972

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0080	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICSA 460-975529/10 Instrument ID: ICPMS4

Lab File ID: 013ICSA.d ICS Source: me_ICSA_00227

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.0030**	
Barium		**1.02**	
Cadmium		**0.302**	
Chromium		**0.478**	
Copper		**0.169**	
Lead		**0.192**	
Nickel		**0.0810**	
Selenium		**0.100**	
Silver		**0.0360**	
Zinc		**1.78**	
Aluminum	*100000*	*100758*	*101*
Antimony		*0.157*	
Beryllium		*0.0080*	
Boron		*2.79*	
Calcium	*100000*	*101025*	*101*
Cobalt		*0.342*	
Iron	*100000*	*100653*	*101*
Magnesium	*100000*	*99017*	*99*
Manganese		*0.746*	
Molybdenum	*2000*	*2072*	*104*
Potassium	*100000*	*100686*	*101*
Sodium	*100000*	*100455*	*100*
Strontium		*0.695*	
Thallium		*0.0070*	
Tin		*0.229*	
Titanium	*2000*	*2084*	*104*
Vanadium		*-0.284*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Lab Sample ID: ICSAB 460-975529/11 Instrument ID: ICPMS4

Lab File ID: 014ICSB.d ICS Source: me_ICSAB_00189

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**200**	**189**	**94**
Barium	**200**	**199**	**100**
Cadmium	**200**	**200**	**100**
Chromium	**200**	**196**	**98**
Copper	**200**	**194**	**97**
Lead	**200**	**201**	**101**
Nickel	**200**	**199**	**99**
Selenium	**200**	**194**	**97**
Silver	**200**	**198**	**99**
Zinc	**200**	**202**	**101**
Aluminum	*100000*	*100188*	*100*
Antimony	*100*	*100*	*100*
Beryllium	*200*	*193*	*96*
Boron		*2.55*	
Calcium	*100000*	*99638*	*100*
Cobalt	*200*	*196*	*98*
Iron	*100000*	*101442*	*101*
Magnesium	*100000*	*98284*	*98*
Manganese	*200*	*187*	*94*
Molybdenum	*2000*	*2068*	*103*
Potassium	*100000*	*99491*	*99*
Sodium	*100000*	*100367*	*100*
Strontium	*200*	*194*	*97*
Thallium	*100*	*101*	*101*
Tin	*200*	*201*	*101*
Titanium	*2000*	*2102*	*105*
Vanadium	*200*	*197*	*98*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: _____ Lab ID: 460-300945-A-14-D MS ^10

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: _____

Matrix: Solid Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	5220		8.9	U	5000	104	75-125		6020B
Barium	10600		660		10000	99	75-125		6020B
Cadmium	996		3.9	U	1000	100	75-125		6020B
Chromium	5170		25	U	5000	103	75-125		6020B
Copper	1020		25	U	1000	102	75-125		6020B
Lead	5170		40		5000	103	75-125		6020B
Nickel	1010		11	J	1000	100	75-125		6020B
Selenium	1050		5.9	U	1000	105	75-125		6020B
Silver	484		2.9	U	500	97	75-125		6020B
Zinc	1200		170		1000	103	75-125		6020B

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: Lab ID: 460-303630-A-1-C MS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids: 82.6

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.170		0.094		0.0961	80	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: _____ Lab ID: 460-303825-B-2-J MS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: _____

Matrix: Solid Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	5.14		0.091	U	5.00	103	75-125		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: _____ Lab ID: 460-300945-A-14-B PDS ^10

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: _____

Matrix: Solid Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	585		8.9	U	500	117	75-125		6020B
Barium	1210		660		500	110	75-125		6020B
Cadmium	284		3.9	U	250	114	75-125		6020B
Chromium	578		25	U	500	116	75-125		6020B
Copper	568		25	U	500	114	75-125		6020B
Lead	328		40		250	115	75-125		6020B
Nickel	577		11	J	500	113	75-125		6020B
Selenium	576		5.9	U	500	115	75-125		6020B
Silver	211		2.9	U	250	84	75-125		6020B
Zinc	3000		170		2500	113	75-125		6020B

SSR = Spiked Sample Result

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

FORM VB - IN

6-IN
DUPLICATES
METALS - TCLP

Client ID: _____ Lab ID: 460-300945-A-14-C DU ^10

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Solid Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	20	8.9	U	8.9	U	NC		6020B
Barium	40	660		661		0.4		6020B
Cadmium	20	3.9	U	3.9	U	NC		6020B
Chromium	40	25	U	25	U	NC		6020B
Copper	40	25	U	25	U	NC		6020B
Lead	12	40		40.1		0.7		6020B
Nickel	40	11	J	96.3		159	F3	6020B
Selenium	25	5.9	U	5.9	U	NC		6020B
Silver	20	2.9	U	2.9	U	NC		6020B
Zinc	160	170		174		3		6020B

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: Lab ID: 460-303630-A-1-B DU

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

% Solids for Sample: 82.6 % Solids for Duplicate: 82.6

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.020	0.094		0.0932		0.9		7471B

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

FORM VI-IN

6-IN
DUPLICATES
METALS - TCLP

Client ID: _____ Lab ID: 460-303825-B-2-I DU

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Solid Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.091	U	0.091	U	NC		7470A

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

FORM VI-IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-975529/12

Lab Name: Eurofins Edison Job No.: 460-303610-1

Sample Matrix: LCS Source: me_LR-A_00040

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	5000	5080		102	90	110		6020B
Barium	20000	19800		99	90	110		6020B
Cadmium	5000	5060		101	90	110		6020B
Chromium	20000	21100		105	90	110		6020B
Copper	20000	21300		106	90	110		6020B
Lead	20000	19600		98	90	110		6020B
Nickel	20000	21700		109	90	110		6020B
Selenium		0.59	U					6020B
Silver		0.29	U					6020B
Zinc	20000	21200		106	90	110		6020B

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

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-975529/13

Lab Name: Eurofins Edison Job No.: 460-303610-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		0.89	U					6020B
Barium		13.5						6020B
Cadmium		0.39	U					6020B
Chromium		3.48	J					6020B
Copper		2.5	U					6020B
Lead		2.64						6020B
Nickel		2.78	J					6020B
Selenium		0.59	U					6020B
Silver		0.29	U					6020B
Zinc		6.5	U					6020B

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

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-975529/14

Lab Name: Eurofins Edison Job No.: 460-303610-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		0.89	U					6020B
Barium		1.65	J					6020B
Cadmium		0.39	U					6020B
Chromium		2.5	U					6020B
Copper		2.5	U					6020B
Lead		1.24						6020B
Nickel		1.45	J					6020B
Selenium	3000	2940		98	90	110		6020B
Silver	1000	1010		101	90	110		6020B
Zinc		6.5	U					6020B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-974729/2-A ^10

Lab Name: Eurofins Edison Job No.: 460-303610-1

Sample Matrix: Water LCS Source: ME_TCLPspk_00059

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	5000	5350		107	80	120		6020B
Barium	10000	10000		100	80	120		6020B
Cadmium	1000	1020		102	80	120		6020B
Chromium	5000	5160		103	80	120		6020B
Copper	1000	1020		102	80	120		6020B
Lead	5000	5070		101	80	120		6020B
Nickel	1000	1020		102	80	120		6020B
Selenium	1000	1020		102	80	120		6020B
Silver	500	496		99	80	120		6020B
Zinc	1000	997		100	80	120		6020B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-975279/2-A

Lab Name: Eurofins Edison Job No.: 460-303610-1

Sample Matrix: Water LCS Source: ME_HG_TCLP_03514

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	5.21		104	80	120		7470A

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-974897/2-A ^20

Lab Name: Eurofins Edison Job No.: 460-303610-1

Sample Matrix: Solid LCS Source: ME_LCSS_123_00003

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	11.9	11.2		94.0	67.1	131.9		7471B

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 460-300945-A-14-B SD ^50

SDG No:

Lab Name: Eurofins Edison Job No: 460-303610-1

Matrix: Solid Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	8.9	U	44	U	NC		6020B
Barium	660		666		NC		6020B
Cadmium	3.9	U	19	U	NC		6020B
Chromium	25	U	130	U	NC		6020B
Copper	25	U	120	U	NC		6020B
Lead	40		42.1	J	NC		6020B
Nickel	11	J	45	U	NC		6020B
Selenium	5.9	U	29	U	NC		6020B
Silver	2.9	U	15	U	NC		6020B
Zinc	170		330	U	NC		6020B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-303630-A-1-A SD ^5

SDG No:

Lab Name: Eurofins Edison Job No: 460-303610-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.094		0.0882	J	NC		7471B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 460-303825-B-2-H SD ^5

SDG No:

Lab Name: Eurofins Edison Job No: 460-303610-1

Matrix: Solid Concentration Units: ug/L

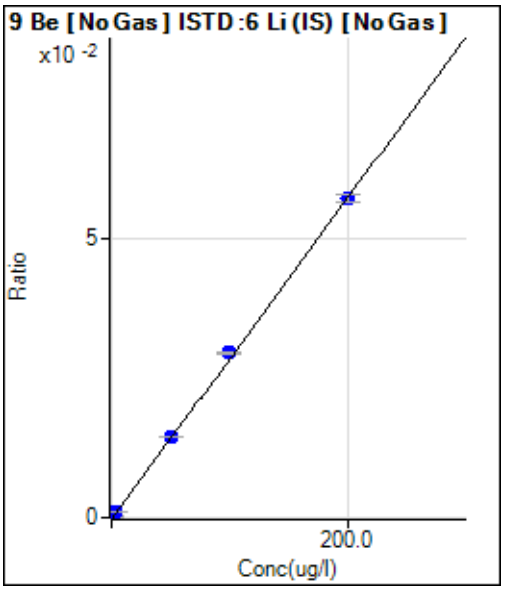
Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.091	U	0.46	U	NC		7470A

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

FORM VIII-IN

Batch Folder: C:\Agilent\ICPMH\1\DATA\NM051724.b\
Analysis File: NM051724.batch.bin
DA Date-Time: 2024-05-17 11:18:54
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

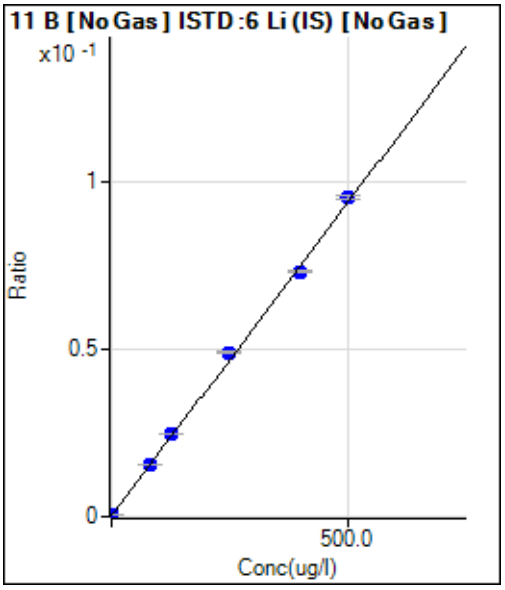
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC CAL-Blk	2024-05-17 10:29:38
2	005CALS.d	IC CAL1	2024-05-17 10:32:39
3	006CALS.d	IC CAL2	2024-05-17 10:35:17
4	007CALS.d	IC CAL3	2024-05-17 10:37:57
5	008CALS.d	IC CAL4	2024-05-17 10:40:35
6	009CALS.d	IC CAL5	2024-05-17 10:43:15



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5.56	0.0000	P	91.4	
2	☐	0.800	0.775	1525.65	0.0002	P	6.0	-3.2
3	☐	4.000	3.864	7643.23	0.0011	P	0.6	-3.4
4	☐	50.000	50.239	98606.30	0.0145	P	1.7	0.5
5	☐	100.000	102.577	201096.83	0.0296	P	0.7	2.6
6	☐	200.000	198.655	386806.38	0.0573	P	1.9	-0.7

y = 2.8838E-004 * x + 8.2186E-007
R = 0.9999
DL = 0.007817 ug/l
BEC = 0.00285 ug/l

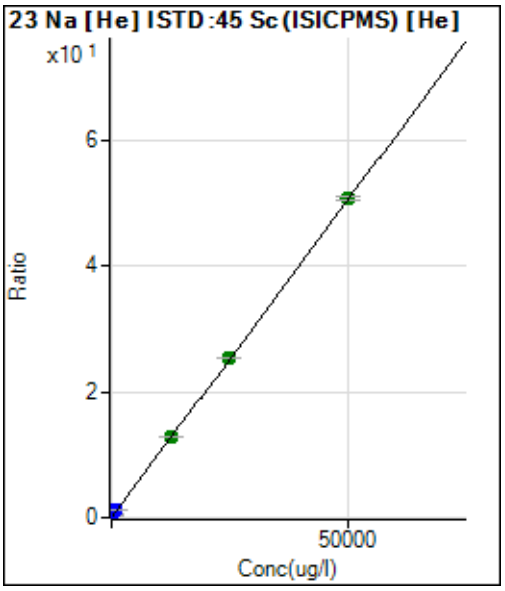
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5165.43	0.0008	P	4.1	
2	☐	80.000	77.696	104066.16	0.0153	P	0.3	-2.9
3	☐	400.000	386.815	501063.60	0.0731	P	0.8	-3.3
4	☐	125.000	127.476	167451.05	0.0246	P	0.3	2.0
5	☐	250.000	258.161	333414.10	0.0490	P	1.1	3.3
6	☐	500.000	506.217	644465.41	0.0954	P	0.9	1.2

y = 1.8703E-004 * x + 7.6126E-004
R = 0.9992
DL = 0.5049 ug/l
BEC = 4.07 ug/l

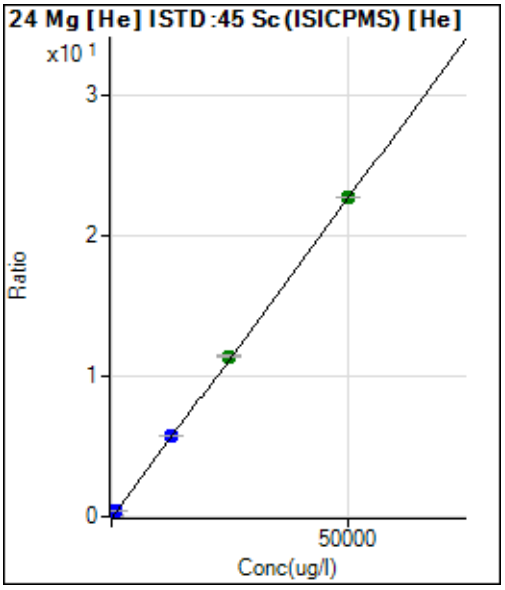
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27601.68	0.2958	P	0.9	
2	☐	200.000	206.376	46794.62	0.5042	P	0.6	3.2
3	☐	1000.000	1022.290	122265.40	1.3281	P	0.7	2.2
4	☐	12500.000	12452.766	1202145.87	12.8702	A	0.4	-0.4
5	☐	25000.000	24954.695	2406473.30	25.4943	A	0.3	-0.2
6	☐	50000.000	50033.990	4751231.67	50.8185	A	1.3	0.1

y = 0.0010 * x + 0.2958
R = 1.0000
DL = 7.86 ug/l
BEC = 293 ug/l

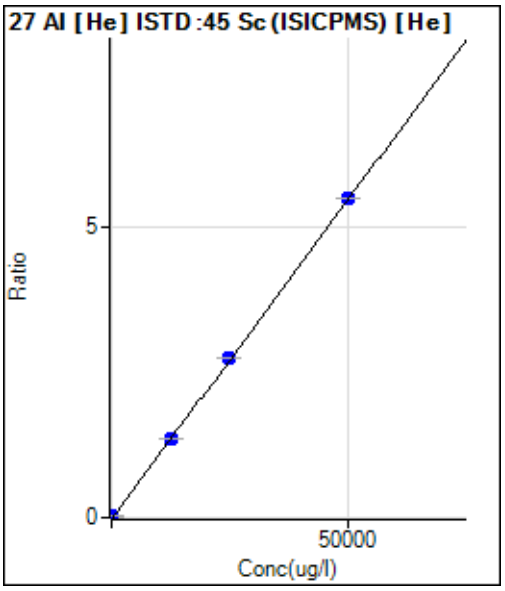
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	226.67	0.0024	P	2.9	
2	☐	200.000	197.004	8560.46	0.0922	P	1.3	-1.5
3	☐	1000.000	1002.587	42306.25	0.4595	P	1.3	0.3
4	☐	12500.000	12545.900	534503.52	5.7224	P	0.6	0.4
5	☐	25000.000	25047.301	1078127.15	11.4220	A	0.7	0.2
6	☐	50000.000	49964.835	2130095.61	22.7824	A	0.6	-0.1

y = 4.5592E-004 * x + 0.0024
R = 1.0000
DL = 0.4695 ug/l
BEC = 5.329 ug/l

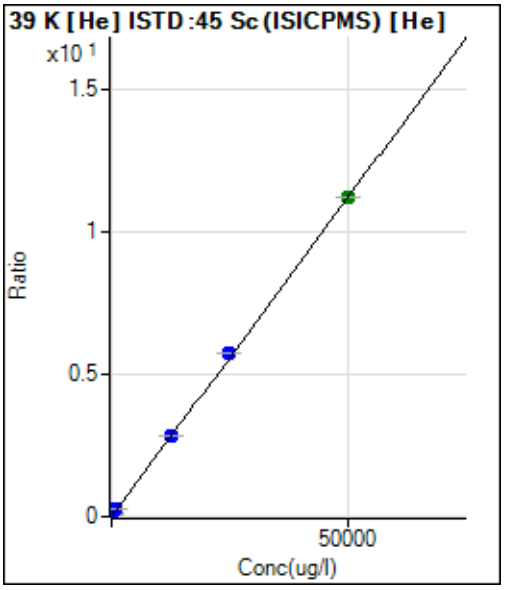
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	77.78	0.0008	P	11.2	
2	☐	40.000	43.904	524.46	0.0057	P	7.5	9.8
3	☐	200.000	201.491	2112.39	0.0229	P	4.3	0.7
4	☐	12500.000	12342.919	126566.43	1.3550	P	1.0	-1.3
5	☐	25000.000	25023.733	259238.42	2.7463	P	0.5	0.1
6	☐	50000.000	50027.394	513262.88	5.4896	P	0.1	0.1

y = 1.0971E-004 * x + 8.3390E-004
R = 1.0000
DL = 2.55 ug/l
BEC = 7.601 ug/l

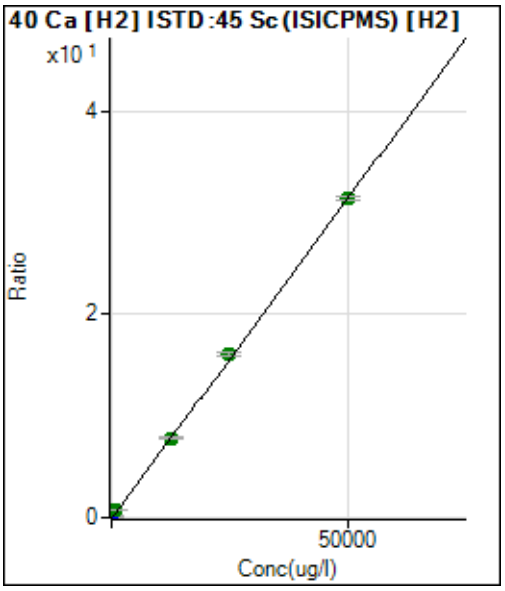
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5150.98	0.0552	P	1.7	
2	☐	200.000	205.660	9406.58	0.1014	P	3.4	2.8
3	☐	1000.000	995.861	25667.08	0.2788	P	0.6	-0.4
4	☐	12500.000	12503.378	267377.09	2.8626	P	0.8	0.0
5	☐	25000.000	25394.732	543414.07	5.7571	P	0.6	1.6
6	☐	50000.000	49801.850	1050647.02	11.2372	A	0.4	-0.4

y = 2.2453E-004 * x + 0.0552
R = 1.0000
DL = 12.25 ug/l
BEC = 245.9 ug/l

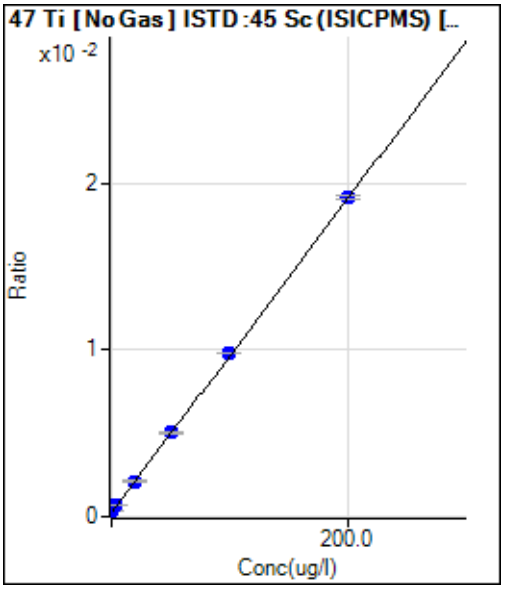
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83369.75	0.0401	P	0.5	
2	☐	200.000	197.366	343979.28	0.1647	P	1.0	-1.3
3	☐	1000.000	1003.519	1402613.66	0.6732	A	0.3	0.4
4	☐	12500.000	12373.465	16588265.31	7.8458	A	1.7	-1.0
5	☐	25000.000	25510.343	34083212.27	16.1331	A	1.8	2.0
6	☐	50000.000	49776.402	66491553.46	31.4411	A	1.1	-0.4

y = 6.3084E-004 * x + 0.0401
R = 0.9999
DL = 0.9967 ug/l
BEC = 63.64 ug/l

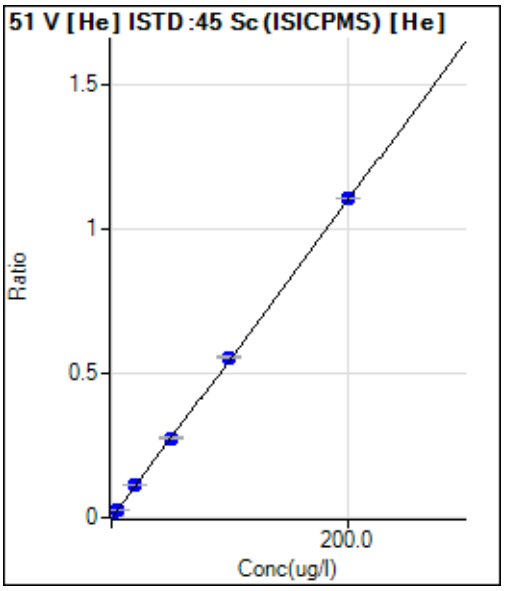
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2590.17	0.0003	P	2.1	
2	☐	4.000	3.721	5256.53	0.0007	P	2.2	-7.0
3	☐	20.000	18.974	16205.13	0.0021	P	2.5	-5.1
4	☐	50.000	49.770	37916.78	0.0050	P	1.0	-0.5
5	☐	100.000	100.814	75521.98	0.0098	P	0.4	0.8
6	☐	200.000	199.759	144140.40	0.0192	P	1.3	-0.1

y = 9.4206E-005 * x + 3.4668E-004
R = 1.0000
DL = 0.2325 ug/l
BEC = 3.68 ug/l

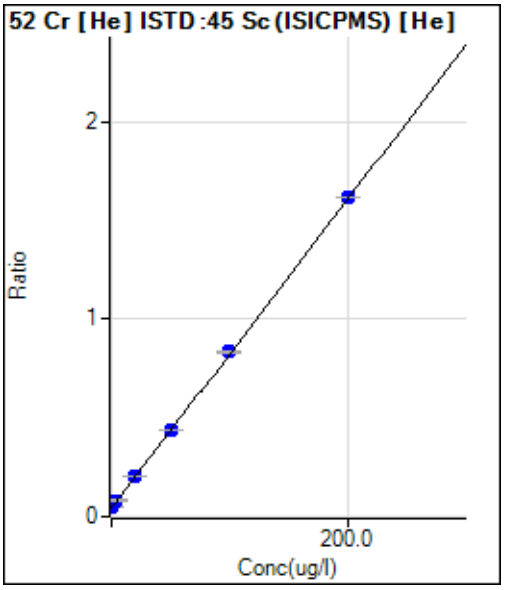
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	490.01	0.0053	P	9.5	
2	☐	4.000	3.671	2359.11	0.0254	P	5.9	-8.2
3	☐	20.000	19.483	10338.39	0.1123	P	3.7	-2.6
4	☐	50.000	49.289	25791.00	0.2761	P	1.5	-1.4
5	☐	100.000	100.051	52397.55	0.5551	P	0.4	0.1
6	☐	200.000	200.211	103362.46	1.1055	P	0.2	0.1

y = 0.0055 * x + 0.0053
R = 1.0000
DL = 0.2733 ug/l
BEC = 0.9558 ug/l

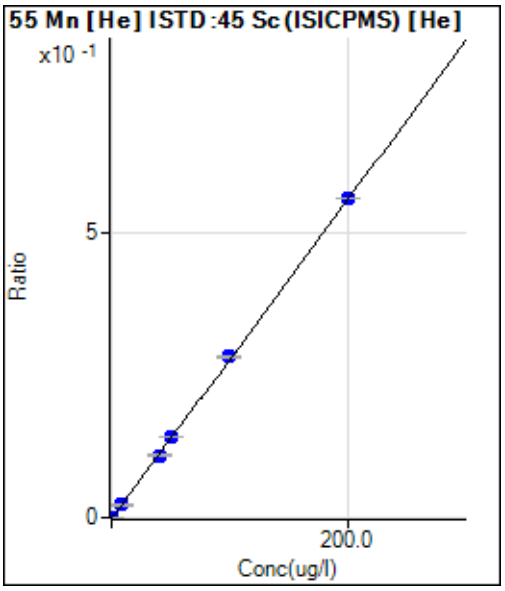
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4944.25	0.0530	P	1.1	
2	☐	4.000	3.724	7616.62	0.0821	P	3.2	-6.9
3	☐	20.000	19.728	19069.97	0.2071	P	0.4	-1.4
4	☐	50.000	49.476	41059.07	0.4396	P	1.0	-1.0
5	☐	100.000	100.031	78782.69	0.8346	P	0.6	0.0
6	☐	200.000	200.148	151179.19	1.6169	P	0.3	0.1

y = 0.0078 * x + 0.0530
R = 1.0000
DL = 0.2299 ug/l
BEC = 6.782 ug/l

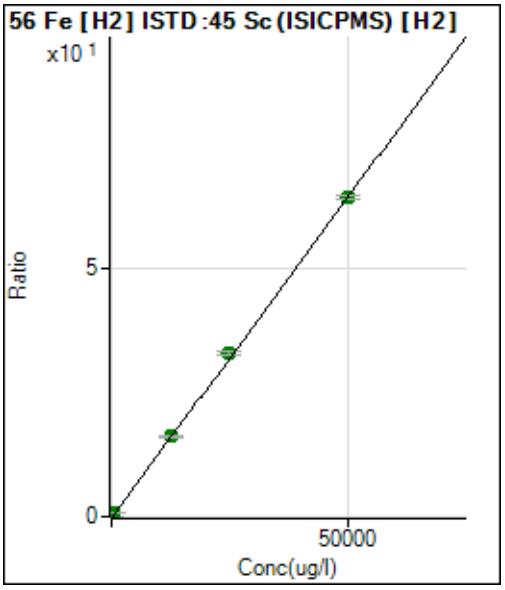
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	88.89	0.0010	P	21.0	
2	☐	8.000	7.670	2083.50	0.0224	P	6.6	-4.1
3	☐	40.000	38.663	10063.76	0.1093	P	1.6	-3.3
4	☐	50.000	50.314	13258.71	0.1420	P	1.3	0.6
5	☐	100.000	100.720	26733.93	0.2832	P	1.6	0.7
6	☐	200.000	199.842	52452.39	0.5610	P	0.5	-0.1

y = 0.0028 * x + 9.5324E-004
R = 1.0000
DL = 0.2145 ug/l
BEC = 0.3401 ug/l

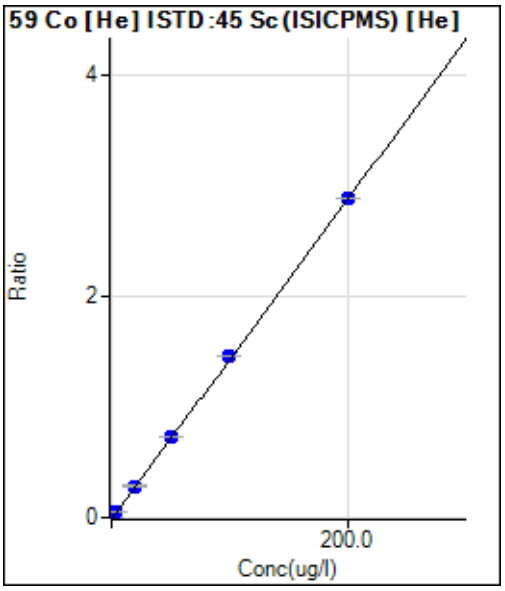
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36862.93	0.0178	P	1.3	
2	☐	120.000	120.073	361631.89	0.1731	P	1.1	0.1
3	☐	600.000	606.413	1671559.66	0.8023	A	1.4	1.1
4	☐	12500.000	12503.723	34242293.93	16.1952	A	1.5	0.0
5	☐	25000.000	25473.214	69665972.29	32.9753	A	1.7	1.9
6	☐	50000.000	49762.385	136196453.53	64.4009	A	1.0	-0.5

y = 0.0013 * x + 0.0178
R = 0.9999
DL = 0.5461 ug/l
BEC = 13.72 ug/l

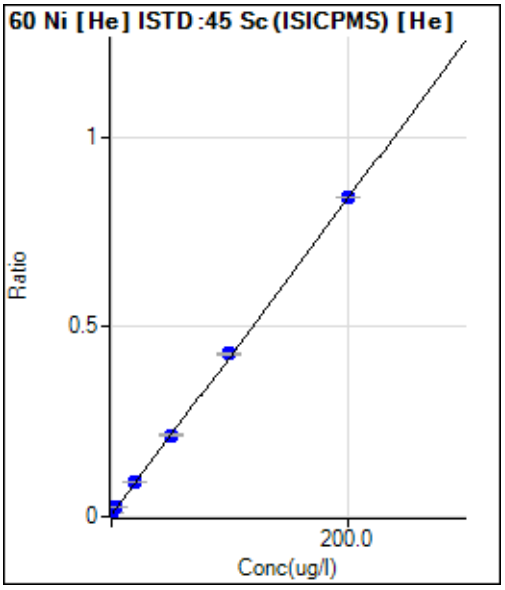
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55.55	0.0006	P	6.8	
2	☐	4.000	4.023	5461.13	0.0588	P	1.1	0.6
3	☐	20.000	19.796	26445.74	0.2873	P	0.2	-1.0
4	☐	50.000	50.032	67728.38	0.7251	P	0.5	0.1
5	☐	100.000	100.945	138029.86	1.4624	P	1.0	0.9
6	☐	200.000	199.539	270219.66	2.8901	P	0.4	-0.2

y = 0.0145 * x + 5.9541E-004
R = 1.0000
DL = 0.008421 ug/l
BEC = 0.04112 ug/l

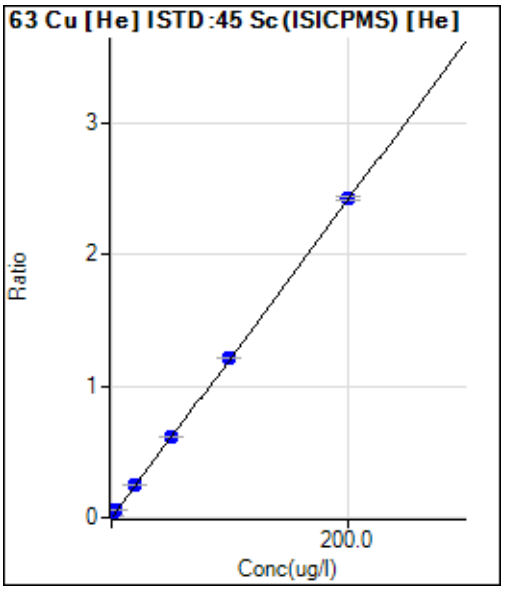
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	867.81	0.0093	P	8.6	
2	☐	4.000	3.928	2382.45	0.0257	P	6.6	-1.8
3	☐	20.000	19.984	8517.15	0.0925	P	0.4	-0.1
4	☐	50.000	49.368	20071.47	0.2149	P	1.6	-1.3
5	☐	100.000	100.832	40509.96	0.4292	P	1.3	0.8
6	☐	200.000	199.745	78637.90	0.8411	P	0.5	-0.1

y = 0.0042 * x + 0.0093
R = 1.0000
DL = 0.5764 ug/l
BEC = 2.233 ug/l

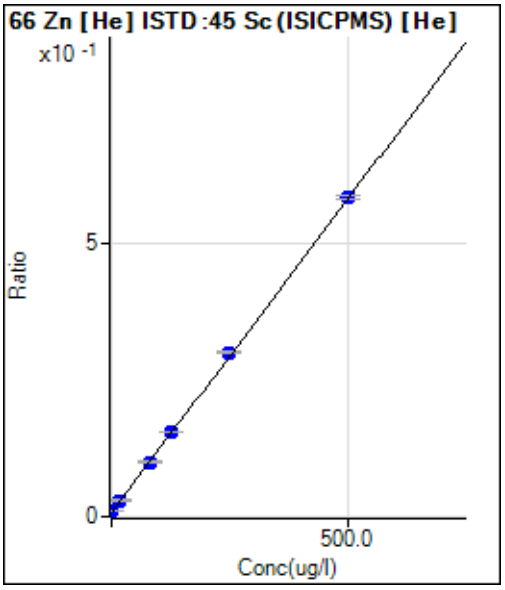
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1090.05	0.0117	P	3.8	
2	☐	4.000	3.827	5377.76	0.0580	P	2.6	-4.3
3	☐	20.000	19.875	23194.23	0.2519	P	0.5	-0.6
4	☐	50.000	50.112	57673.78	0.6175	P	0.7	0.2
5	☐	100.000	99.752	114931.86	1.2176	P	0.2	-0.2
6	☐	200.000	200.112	227275.53	2.4308	P	0.8	0.1

y = 0.0121 * x + 0.0117
R = 1.0000
DL = 0.1112 ug/l
BEC = 0.9666 ug/l

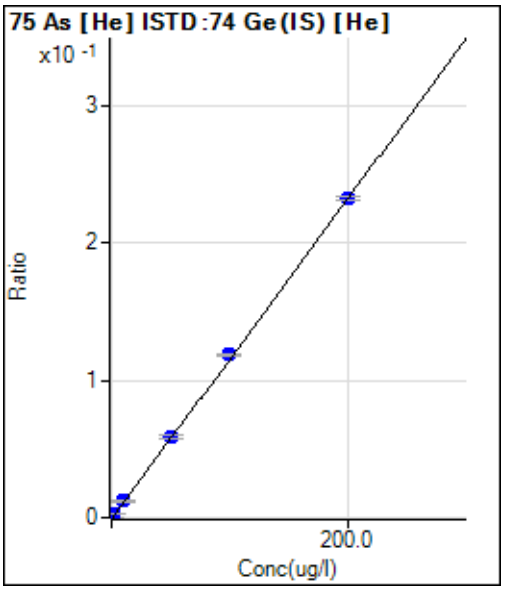
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1074.50	0.0115	P	3.8	
2	☐	16.000	15.903	2760.30	0.0297	P	2.2	-0.6
3	☐	80.000	76.523	9136.46	0.0992	P	3.3	-4.3
4	☐	125.000	124.044	14357.64	0.1537	P	0.3	-0.8
5	☐	250.000	251.419	28290.55	0.2997	P	1.3	0.6
6	☐	500.000	500.089	54674.95	0.5848	P	0.8	0.0

y = 0.0011 * x + 0.0115
R = 1.0000
DL = 1.154 ug/l
BEC = 10.05 ug/l

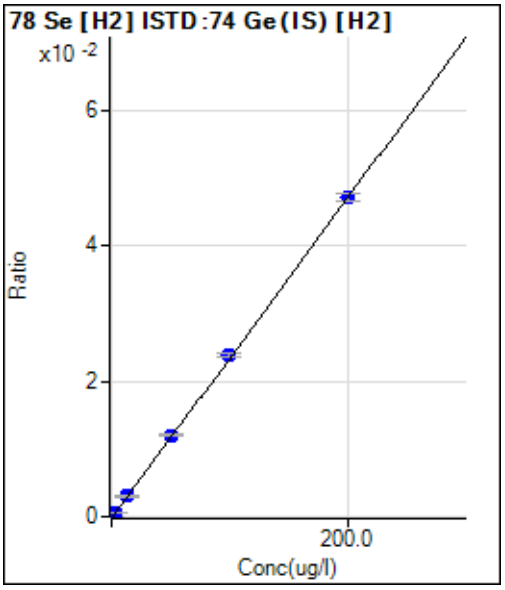
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0002	P	40.1	
2	☐	2.000	1.888	125.56	0.0024	P	21.7	-5.6
3	☐	10.000	10.077	605.57	0.0120	P	3.0	0.8
4	☐	50.000	50.114	3134.83	0.0586	P	3.8	0.2
5	☐	100.000	101.388	6419.34	0.1184	P	1.2	1.4
6	☐	200.000	199.275	12690.42	0.2325	P	1.7	-0.4

y = 0.0012 * x + 2.3439E-004
R = 1.0000
DL = 0.2416 ug/l
BEC = 0.2011 ug/l

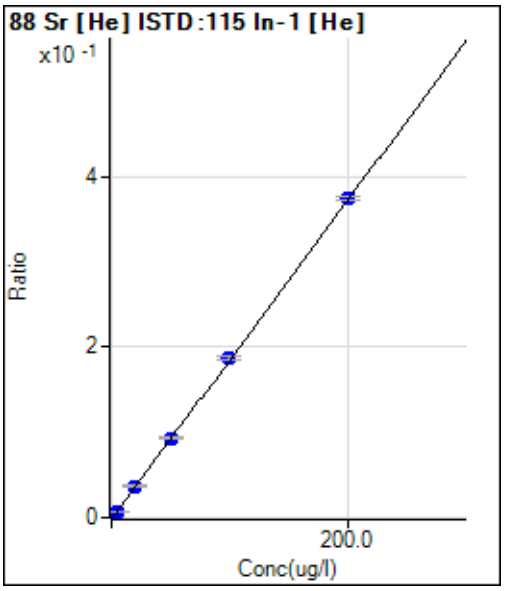
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	99.7	
2	☐	2.500	2.593	237.78	0.0006	P	13.8	3.7
3	☐	12.500	12.902	1176.73	0.0031	P	6.6	3.2
4	☐	50.000	50.631	4743.08	0.0120	P	3.1	1.3
5	☐	100.000	101.120	9644.62	0.0240	P	2.0	1.1
6	☐	200.000	199.256	19271.60	0.0472	P	2.4	-0.4

y = 2.3702E-004 * x + 8.6487E-006
R = 1.0000
DL = 0.1092 ug/l
BEC = 0.03649 ug/l

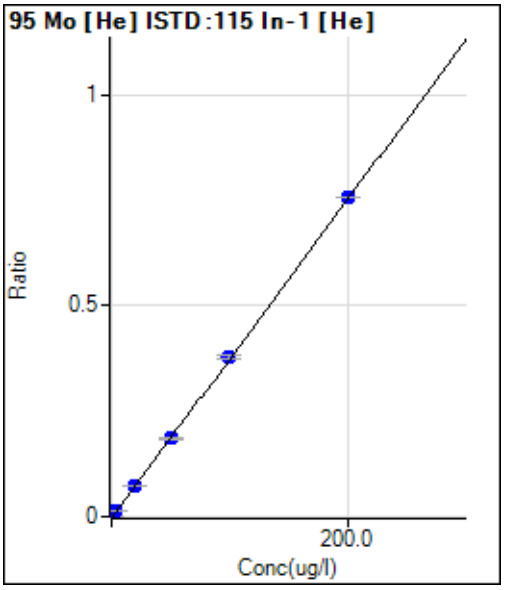
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	60.00	0.0005	P	34.5	
2	☐	4.000	3.813	961.15	0.0076	P	2.5	-4.7
3	☐	20.000	19.577	4665.29	0.0370	P	3.8	-2.1
4	☐	50.000	49.701	11856.41	0.0932	P	0.8	-0.6
5	☐	100.000	99.776	23677.65	0.1867	P	2.2	-0.2
6	☐	200.000	200.233	47334.47	0.3742	P	0.8	0.1

y = 0.0019 * x + 4.7037E-004
R = 1.0000
DL = 0.2611 ug/l
BEC = 0.252 ug/l

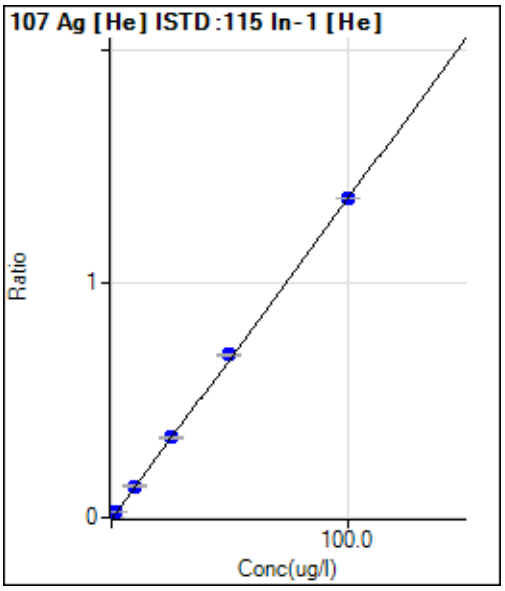
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38.89	0.0003	P	17.3	
2	☐	4.000	3.791	1852.36	0.0146	P	0.8	-5.2
3	☐	20.000	19.099	9130.95	0.0724	P	1.1	-4.5
4	☐	50.000	49.221	23673.25	0.1862	P	2.6	-1.6
5	☐	100.000	100.189	48027.47	0.3786	P	2.1	0.2
6	☐	200.000	200.195	95674.78	0.7563	P	0.6	0.1

y = 0.0038 * x + 3.0424E-004
R = 1.0000
DL = 0.04171 ug/l
BEC = 0.08057 ug/l

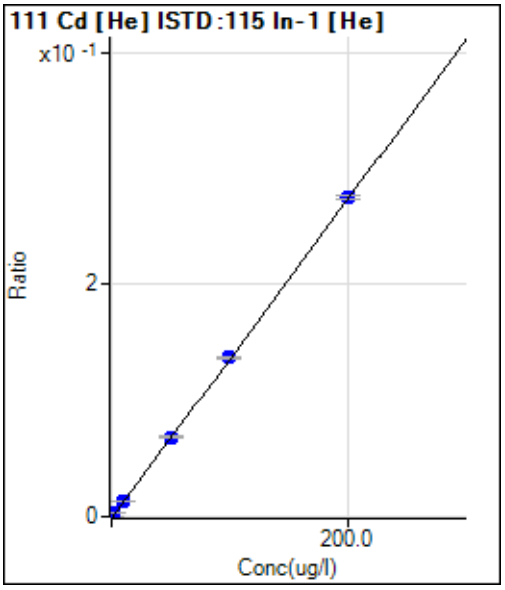
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.66	0.0001	P	87.3	
2	☐	2.000	1.933	3363.78	0.0266	P	5.3	-3.4
3	☐	10.000	9.844	17025.45	0.1350	P	1.7	-1.6
4	☐	25.000	25.116	43805.66	0.3445	P	1.8	0.5
5	☐	50.000	50.721	88225.27	0.6956	P	0.5	1.4
6	☐	100.000	99.627	172835.77	1.3662	P	0.5	-0.4

y = 0.0137 * x + 5.2366E-005
R = 1.0000
DL = 0.01 ug/l
BEC = 0.003819 ug/l

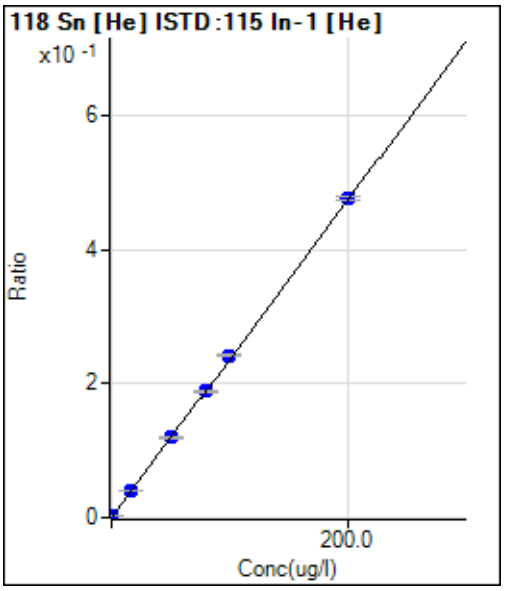
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1.11	0.0000	P	173.2	
2	☐	2.000	1.926	336.67	0.0027	P	4.0	-3.7
3	☐	10.000	9.851	1709.01	0.0136	P	3.2	-1.5
4	☐	50.000	49.783	8708.50	0.0685	P	2.8	-0.4
5	☐	100.000	99.620	17375.95	0.1370	P	1.6	-0.4
6	☐	200.000	200.252	34835.88	0.2754	P	1.1	0.1

y = 0.0014 * x + 8.7575E-006
R = 1.0000
DL = 0.03309 ug/l
BEC = 0.006369 ug/l

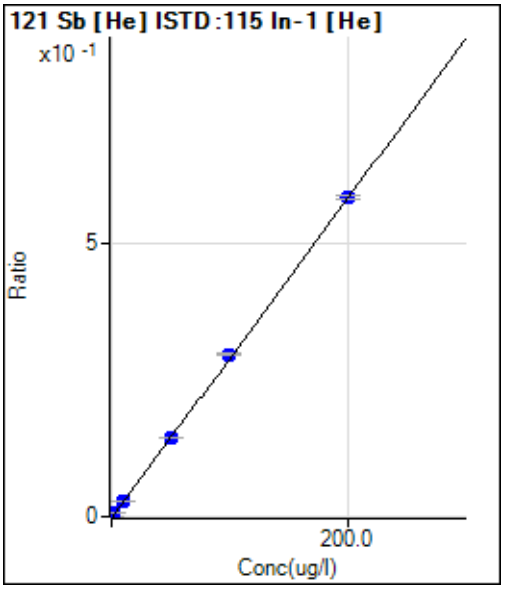
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	348.90	0.0027	P	8.5	
2	☐	16.000	15.920	5116.59	0.0404	P	3.4	-0.5
3	☐	80.000	78.474	23747.04	0.1884	P	0.7	-1.9
4	☐	50.000	49.339	15189.93	0.1194	P	2.3	-1.3
5	☐	100.000	101.144	30693.55	0.2420	P	1.0	1.1
6	☐	200.000	200.210	60260.94	0.4763	P	0.9	0.1

y = 0.0024 * x + 0.0027
R = 0.9999
DL = 0.2937 ug/l
BEC = 1.155 ug/l

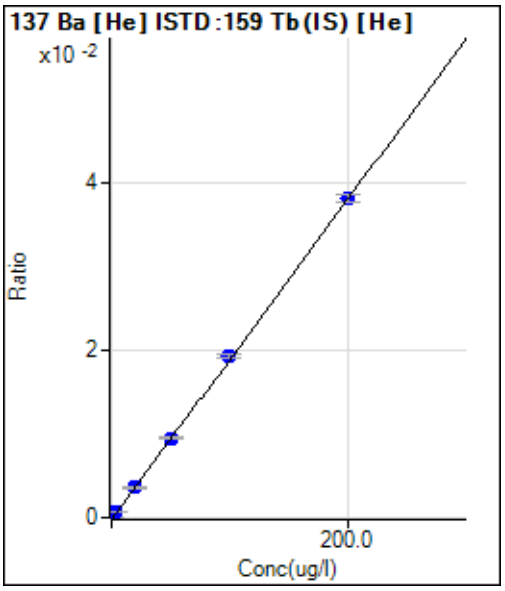
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35.56	0.0003	P	35.4	
2	☐	2.000	1.826	713.36	0.0056	P	2.1	-8.7
3	☐	10.000	9.766	3643.86	0.0289	P	3.3	-2.3
4	☐	50.000	49.380	18440.81	0.1450	P	1.0	-1.2
5	☐	100.000	101.098	37618.11	0.2966	P	1.1	1.1
6	☐	200.000	199.619	74047.21	0.5853	P	1.1	-0.2

y = 0.0029 * x + 2.7825E-004
R = 1.0000
DL = 0.1008 ug/l
BEC = 0.09494 ug/l

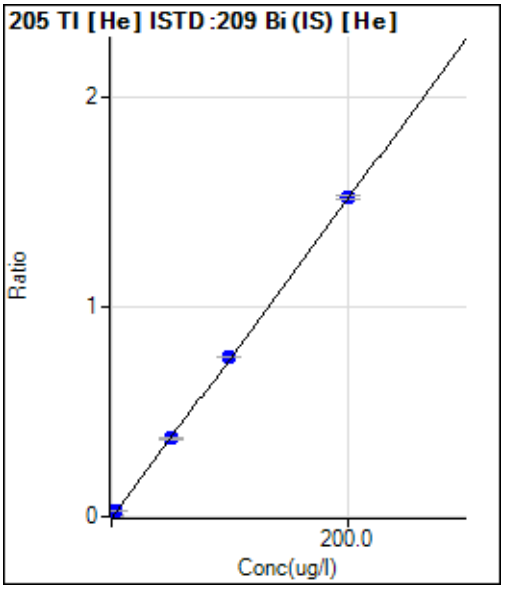
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.251	11.11	0.0000	P	17.5	
2	☐	4.000	4.012	454.45	0.0007	P	8.7	0.3
3	☐	20.000	19.294	2247.99	0.0037	P	6.2	-3.5
4	☐	50.000	49.756	5841.36	0.0095	P	2.0	-0.5
5	☐	100.000	101.111	11922.19	0.0193	P	2.0	1.1
6	☐	200.000	199.576	23584.77	0.0381	P	1.9	-0.2

y = 1.909403E-004 * x - 3.015993E-005
R = 1.0000
DL = 0.04903 ug/l
BEC = -0.158 ug/l

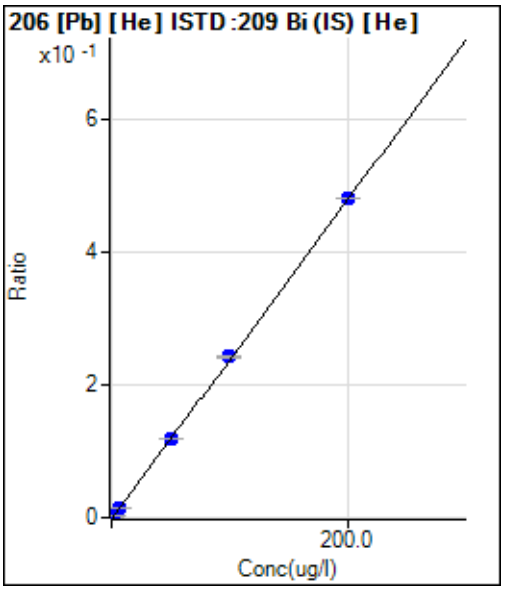
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	72.22	0.0002	P	35.1	
2	☐	0.800	0.752	2516.94	0.0059	P	2.6	-6.0
3	☐	4.000	3.829	12329.48	0.0294	P	2.2	-4.3
4	☐	50.000	48.914	155409.56	0.3733	P	1.0	-2.2
5	☐	100.000	100.411	314334.16	0.7661	P	0.3	0.4
6	☐	200.000	200.069	624045.96	1.5263	P	1.2	0.0

y = 0.0076 * x + 1.6790E-004
R = 1.0000
DL = 0.02316 ug/l
BEC = 0.02201 ug/l

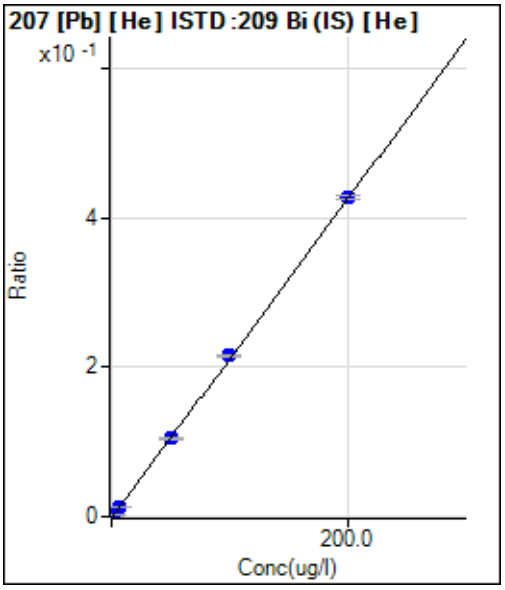
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0002	P	10.4	
2	☐	1.200	1.180	1294.52	0.0030	P	2.6	-1.6
3	☐	6.000	5.765	5894.77	0.0140	P	2.9	-3.9
4	☐	50.000	49.490	49565.25	0.1191	P	0.5	-1.0
5	☐	100.000	100.551	99154.61	0.2417	P	1.5	0.6
6	☐	200.000	199.859	196327.84	0.4802	P	0.5	-0.1

y = 0.0024 * x + 2.0163E-004
R = 1.0000
DL = 0.02615 ug/l
BEC = 0.08396 ug/l

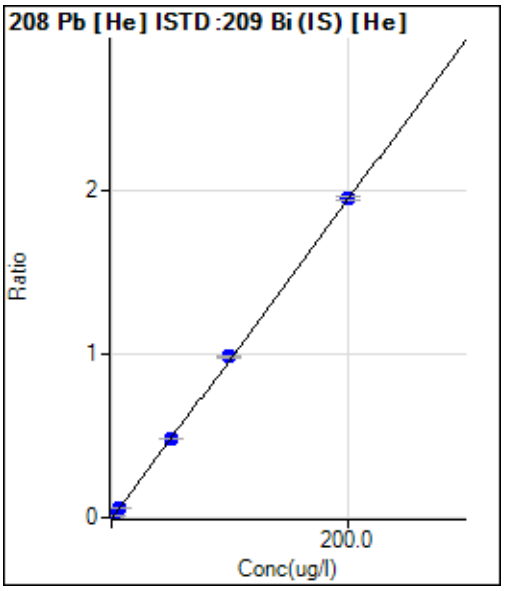
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	67.78	0.0002	P	15.3	
2	☐	1.200	1.147	1114.51	0.0026	P	1.5	-4.4
3	☐	6.000	5.860	5332.28	0.0127	P	2.4	-2.3
4	☐	50.000	48.938	43691.88	0.1050	P	1.3	-2.1
5	☐	100.000	100.643	88487.77	0.2157	P	0.7	0.6
6	☐	200.000	199.949	175111.77	0.4283	P	1.5	0.0

y = 0.0021 * x + 1.5758E-004
R = 1.0000
DL = 0.03378 ug/l
BEC = 0.07359 ug/l

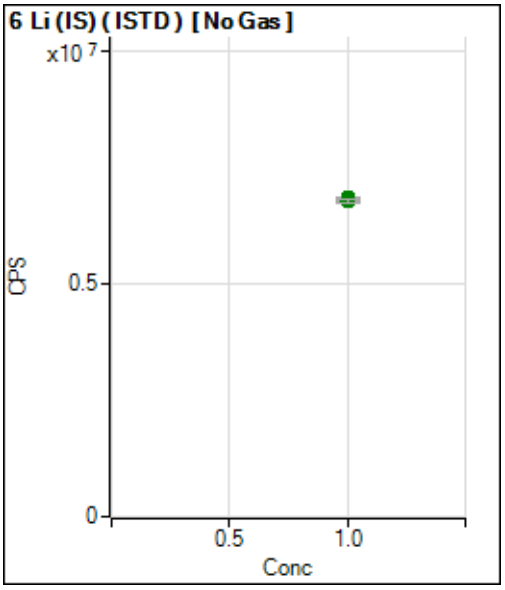
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Min Conc: <None>



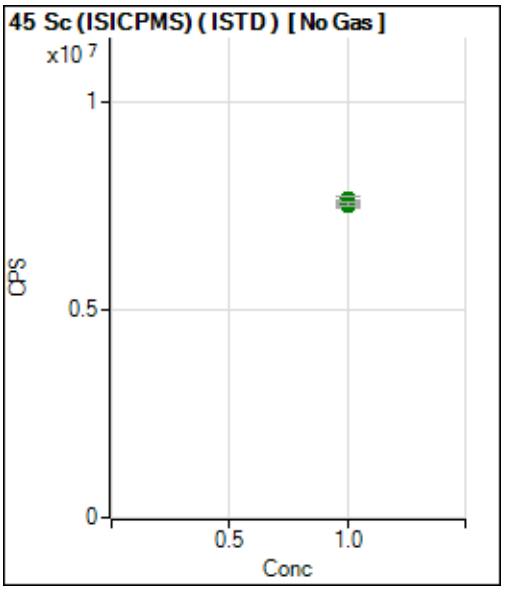
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	340.00	0.0008	P	3.6	
2	☐	1.200	1.172	5220.47	0.0122	P	3.1	-2.4
3	☐	6.000	5.785	24069.30	0.0574	P	1.6	-3.6
4	☐	50.000	49.150	200378.46	0.4813	P	0.2	-1.7
5	☐	100.000	100.550	403640.31	0.9838	P	1.2	0.5
6	☐	200.000	199.944	799553.11	1.9556	P	0.9	0.0

y = 0.0098 * x + 7.9101E-004
R = 1.0000
DL = 0.008716 ug/l
BEC = 0.08091 ug/l

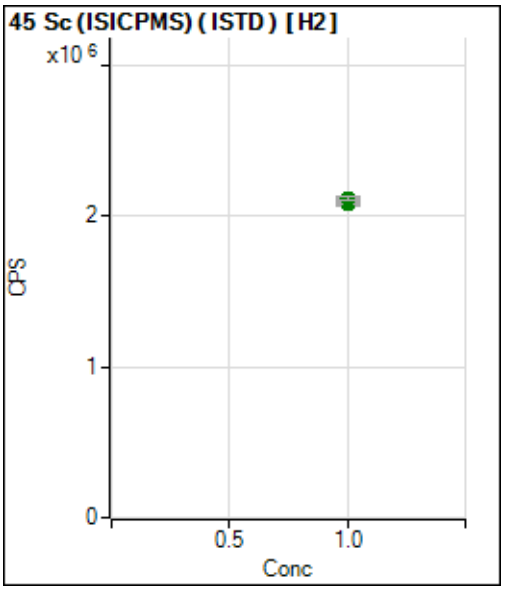
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Min Conc: <None>



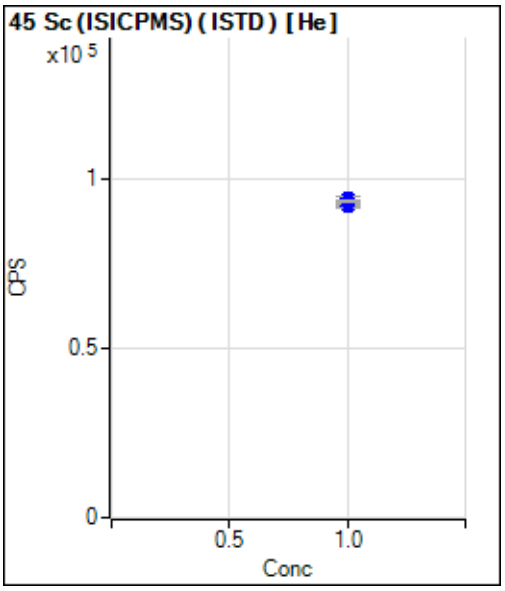
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6787029.97		A	0.9	
2	☐	1.000		6804847.33		A	0.4	
3	☐	1.000		6853764.13		A	0.2	
4	☐	1.000		6806057.74		A	0.6	
5	☐	1.000		6797959.34		A	0.6	
6	☐	1.000		6752881.56		A	1.2	



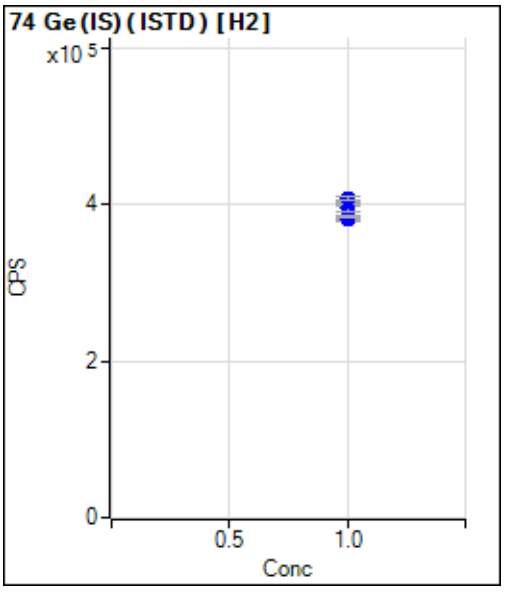
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7472168.57		A	0.8	
2	☐	1.000		7540104.33		A	1.0	
3	☐	1.000		7594903.36		A	1.2	
4	☐	1.000		7530360.86		A	1.1	
5	☐	1.000		7671985.10		A	0.7	
6	☐	1.000		7521562.32		A	1.0	



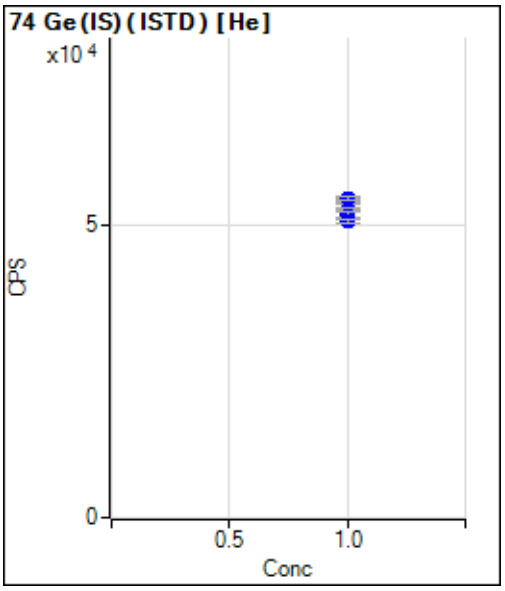
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2076629.99		A	0.7	
2	☐	1.000		2089213.27		A	0.8	
3	☐	1.000		2083525.51		A	1.0	
4	☐	1.000		2114125.97		A	1.2	
5	☐	1.000		2112718.30		A	0.4	
6	☐	1.000		2114876.10		A	1.2	



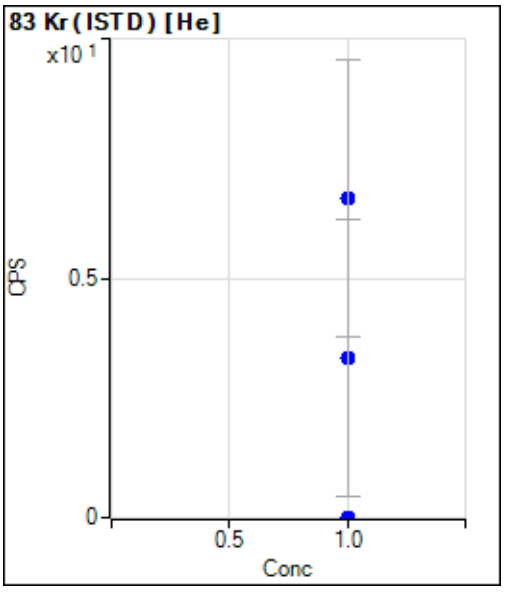
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1	☐	1.000		93299.09		P	0.4	
2	☐	1.000		92806.79		P	1.3	
3	☐	1.000		92061.82		P	0.9	
4	☐	1.000		93405.24		P	0.6	
5	☐	1.000		94394.52		P	1.1	
6	☐	1.000		93498.29		P	0.6	



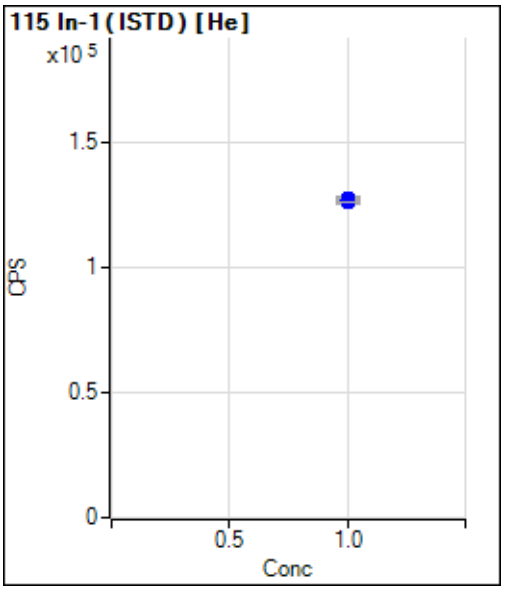
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		383361.76		P	0.8	
2	☐	1.000		381741.57		P	1.3	
3	☐	1.000		383755.34		P	0.4	
4	☐	1.000		394998.03		P	1.7	
5	☐	1.000		402271.09		P	0.4	
6	☐	1.000		407875.32		P	1.5	



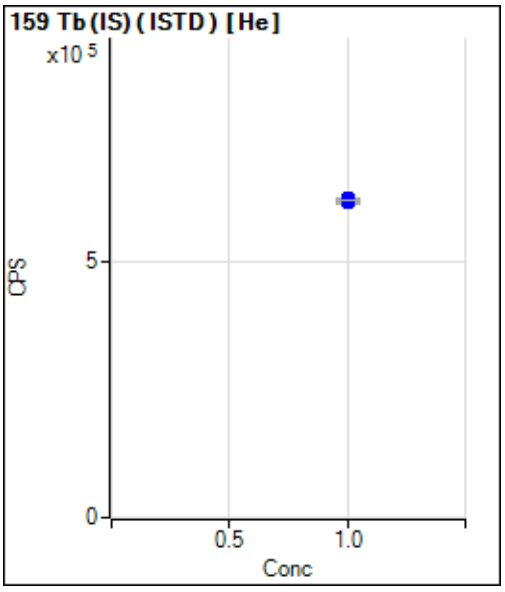
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		51824.40		P	2.6	
2	☐	1.000		51496.24		P	2.7	
3	☐	1.000		50538.22		P	1.5	
4	☐	1.000		53475.81		P	1.8	
5	☐	1.000		54209.85		P	1.8	
6	☐	1.000		54577.97		P	1.1	



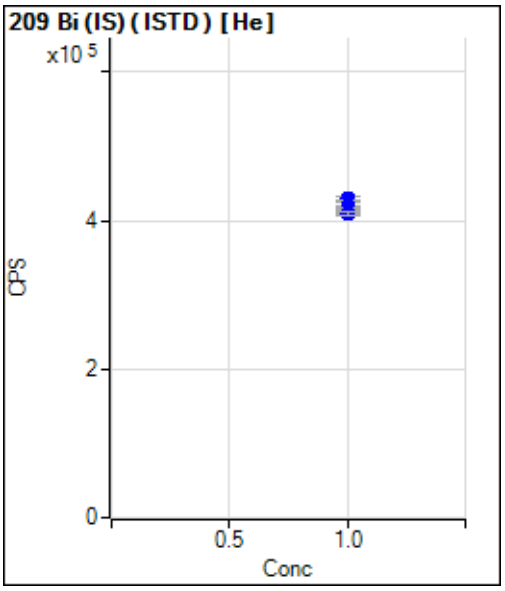
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3.34		P	173.2	
2	☐	1.000		0.00		P		
3	☐	1.000		6.67		P	86.6	
4	☐	1.000		3.34		P	173.2	
5	☐	1.000		3.34		P	173.2	
6	☐	1.000		0.00		P		



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		127749.93		P	0.8	
2	☐	1.000		126688.81		P	0.6	
3	☐	1.000		126070.09		P	0.5	
4	☐	1.000		127177.01		P	0.9	
5	☐	1.000		126839.38		P	1.1	
6	☐	1.000		126505.51		P	0.1	



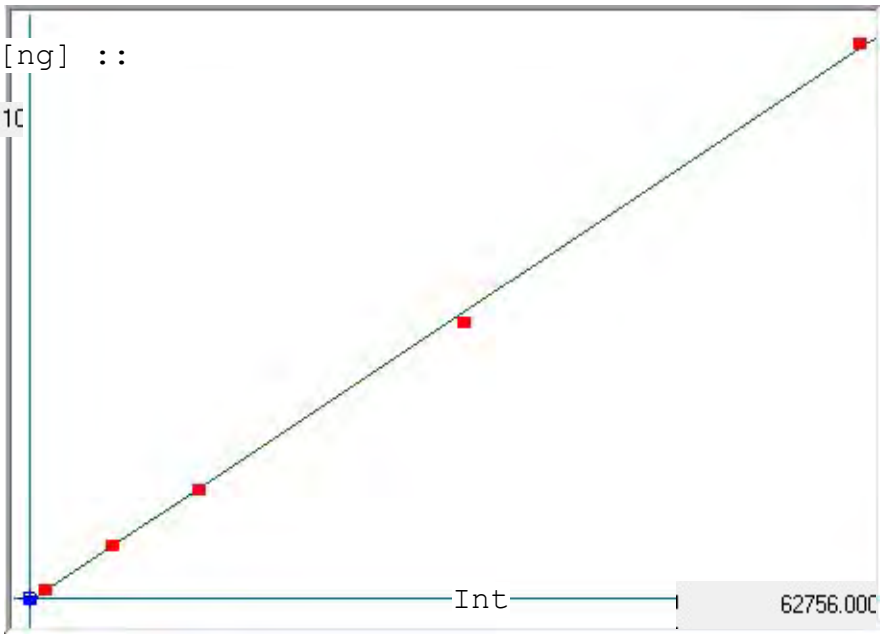
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		622999.59		P	0.3	
2	☐	1.000		617778.25		P	0.5	
3	☐	1.000		615261.42		P	1.7	
4	☐	1.000		616844.30		P	0.8	
5	☐	1.000		618442.96		P	0.7	
6	☐	1.000		619392.88		P	0.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		429902.27		P	0.7	
2	☐	1.000		426354.20		P	0.8	
3	☐	1.000		419678.94		P	0.5	
4	☐	1.000		416310.99		P	0.4	
5	☐	1.000		410297.55		P	0.9	
6	☐	1.000		408863.56		P	1.0	

245_7470A

Linear



A= 0.0000e+000

B= 1.5837e-004

C= -3.0621e-002

Rho= 0.9996968

Accept= Accepted

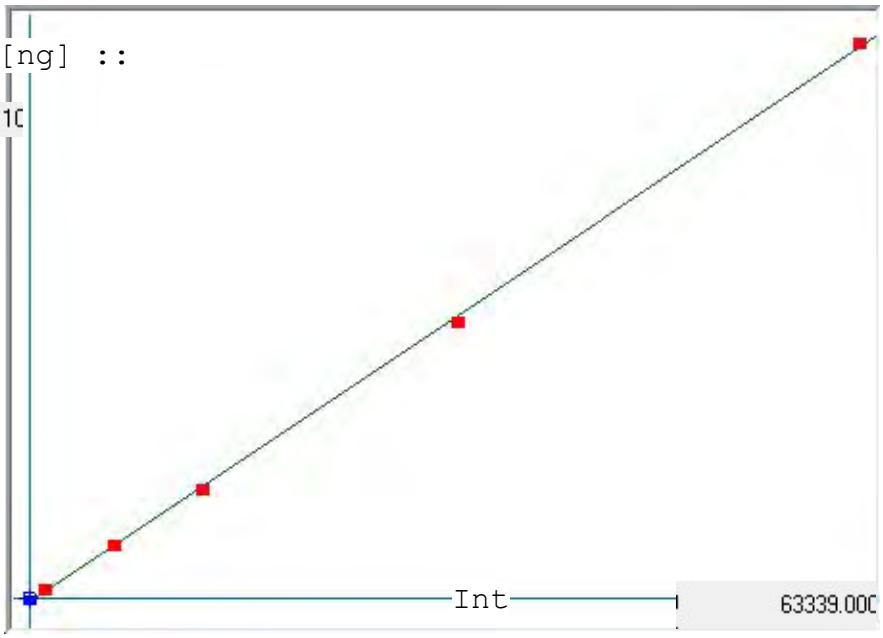
Accepted Date=

05/14/24 13:54

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.017	-0.017	88	0.000	88				
0.2 ug/L	0.200	0.161	-0.039	1208	0.0 %	1208				
1.0 ug/L	1.000	0.967	-0.033	6298	0.0 %	6298				
2.0 ug/L	2.000	1.997	-0.003	12802	0.0 %	12802				
5.0 ug/L	5.000	5.184	0.184	32929	0.0 %	32929				
10.0 ug/L	10.000	9.908	-0.092	62756	0.0 %	62756				

245_7470A

Linear



A= 0.0000e+000

B= 1.5749e-004

C= -4.1457e-002

Rho= 0.9998496

Accept= Accepted

Accepted Date=

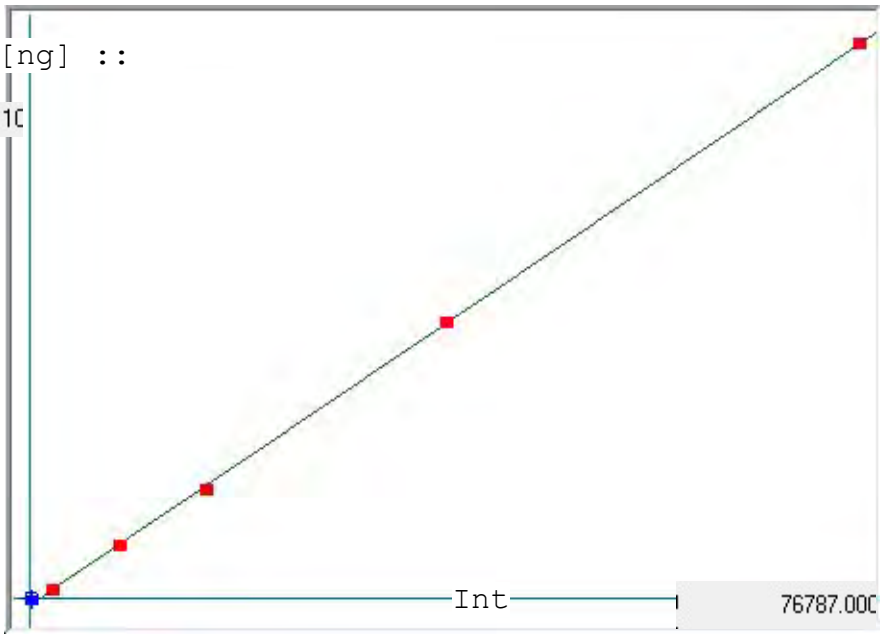
05/16/24 14:19

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.037	-0.037	27	0.000	27				
0.2 ug/L	0.200	0.165	-0.035	1310	0.0 %	1310				
1.0 ug/L	1.000	0.983	-0.017	6506	0.0 %	6506				
2.0 ug/L	2.000	2.038	0.038	13203	0.0 %	13203				
5.0 ug/L	5.000	5.117	0.117	32757	0.0 %	32757				
10.0 ug/L	10.000	9.934	-0.066	63339	0.0 %	63339				

7471B

Linear

Max. Hg [ng] ::



A= 0.0000e+000

B= 1.3138e-004

C= -9.5577e-002

Rho= 0.9999363

Accept= Accepted

Accepted Date=

05/15/24 04:12

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.060	-0.060	267	0.000	267				
0.2 ug/L	0.200	0.194	-0.006	2204	0.0 %	2204				
1.0 ug/L	1.000	1.024	0.024	8519	0.0 %	8519				
2.0 ug/L	2.000	2.070	0.070	16481	0.0 %	16481				
5.0 ug/L	5.000	4.981	-0.019	38639	0.0 %	38639				
10.0 ug/L	10.000	9.993	-0.007	76787	0.0 %	76787				

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: ICPMS4

Method: 6020B MDL Date: 03/17/2023 00:00

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		2	0.887
Barium		4	0.913
Cadmium		2	0.386
Chromium		4	2.5
Copper		4	2.45
Lead		1.2	0.844
Nickel		4	0.905
Selenium		2.5	0.589
Silver		2	0.29
Zinc		16	6.52

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: ICPMS4

Method: 6020B XMDL Date: 03/17/2023 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		2	0.887
Barium		4	0.913
Cadmium		2	0.386
Chromium		4	2.5
Copper		4	2.45
Lead		1.2	0.844
Nickel		4	0.905
Selenium		2.5	0.589
Silver		2	0.29
Zinc		16	6.52

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN6

Method: 7470A MDL Date: 01/13/2020 12:28

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.091

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN6

Method: 7470A XMDL Date: 01/13/2020 12:29

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN6

Method: 7471B MDL Date: 09/10/2021 00:00

Prep Method: 7471B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.017	0.008

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN6

Method: 7471B XMDL Date: 01/13/2020 12:26

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Edison Job No: 460-303610-1

SDG No.:

Instrument ID: ICPMS4 Date: 04/26/2023 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		5000	6020B
Barium		20000	6020B
Cadmium		5000	6020B
Chromium		20000	6020B
Copper		20000	6020B
Lead		20000	6020B
Nickel		20000	6020B
Selenium		3000	6020B
Silver		1000	6020B
Zinc		20000	6020B

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-974729/1-A	05/14/2024 09:24	974729		50	50
LCS 460-974729/2-A ^10	05/14/2024 09:24	974729		50	50
460-300945-A-14-C DU ^10	05/14/2024 09:24	974729		50	50
460-300945-A-14-D MS ^10	05/14/2024 09:24	974729		50	50
460-303610-1	05/14/2024 09:24	974729		50	50
460-303610-2	05/14/2024 09:24	974729		50	50
460-303610-3	05/14/2024 09:24	974729		50	50
460-303610-4	05/14/2024 09:24	974729		50	50
460-303610-5	05/14/2024 09:24	974729		50	50
LB 460-974569/1-C ^10	05/14/2024 09:24	974729		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-975439/1-A	05/17/2024 07:22	975439		50	50
LB 460-974423/1-H ^10	05/17/2024 07:22	975439		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-974783/1-A	05/14/2024 14:36	974783		30	30
LB 460-974423/1-F	05/14/2024 14:36	974783		30	30

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-974897/1-A	05/15/2024 01:59	974897	0.60		50
LCSSRM 460-974897/2-A ^20	05/15/2024 01:59	974897	0.60		50
460-303630-A-1-B DU	05/15/2024 01:59	974897	0.63		50
460-303630-A-1-C MS	05/15/2024 01:59	974897	0.63		50
460-303610-1	05/15/2024 01:59	974897	0.65		50
460-303610-2	05/15/2024 01:59	974897	0.63		50
460-303610-3	05/15/2024 01:59	974897	0.66		50
460-303610-4	05/15/2024 01:59	974897	0.63		50
460-303610-5	05/15/2024 01:59	974897	0.68		50
460-303610-6	05/15/2024 01:59	974897	0.63		50
460-303610-8	05/15/2024 01:59	974897	0.64		50
460-303610-10	05/15/2024 01:59	974897	0.67		50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-975279/1-A	05/16/2024 14:45	975279		30	30
LCS 460-975279/2-A	05/16/2024 14:45	975279		30	30
460-303825-B-2-I DU	05/16/2024 14:45	975279		30	30
460-303825-B-2-J MS	05/16/2024 14:45	975279		30	30
460-303610-1	05/16/2024 14:45	975279		30	30
460-303610-2	05/16/2024 14:45	975279		30	30
460-303610-3	05/16/2024 14:45	975279		30	30
460-303610-4	05/16/2024 14:45	975279		30	30
460-303610-5	05/16/2024 14:45	975279		30	30
LB 460-975050/1-C	05/16/2024 14:47	975279		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: ICPMS4 Analysis Method: 6020B

Start Date: 05/17/2024 10:29 End Date: 05/18/2024 04:55

Lab Sample Id	D/F	Type	Time	Analytes																											
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn																		
IC 460-975529/1	1		10:29	X	X	X	X	X	X	X	X	X	X																		
IC 460-975529/2	1		10:32	X	X	X	X	X	X	X	X	X	X																		
IC 460-975529/3	1		10:35	X	X	X	X	X	X	X	X	X	X																		
IC 460-975529/4	1		10:37	X	X	X	X	X	X	X	X	X	X																		
IC 460-975529/5	1		10:40	X	X	X	X	X	X	X	X	X	X																		
IC 460-975529/6	1		10:43	X	X	X	X	X	X	X	X	X	X																		
ICV 460-975529/7	1		10:45	X	X	X	X	X	X	X	X	X	X																		
ICB 460-975529/8	1		10:48	X	X	X	X	X	X	X	X	X	X																		
CRI 460-975529/9			10:50																												
ICSA 460-975529/10	1		10:53	X	X	X	X	X	X	X	X	X	X																		
ICSAB 460-975529/11	1		10:55	X	X	X	X	X	X	X	X	X	X																		
LRC 460-975529/12	1		10:58	X	X	X	X	X	X	X	X	X	X																		
LRC 460-975529/13	1		11:00	X	X	X	X	X	X	X	X	X	X																		
LRC 460-975529/14	1		11:03	X	X	X	X	X	X	X	X	X	X																		
ZZZZZZ			11:05																												
ZZZZZZ			11:08																												
ZZZZZZ			11:10																												
ZZZZZZ			11:12																												
CCV 460-975529/19	1		11:15	X	X	X	X	X	X	X	X	X	X																		
CCB 460-975529/20	1		11:17	X	X	X	X	X	X	X	X	X	X																		
MB 460-974729/1-A	1	T	11:29	X	X	X	X	X	X	X	X	X	X																		
LCS 460-974729/2-A ^10	10	T	11:32	X	X	X	X	X	X	X	X	X	X																		
460-300945-A-14-B PDS ^10	10	P	11:34	X	X	X	X	X	X	X	X	X	X																		
460-300945-A-14-D MS ^10	10	P	11:37	X	X	X	X	X	X	X	X	X	X																		
460-300945-A-14-C DU ^10	10	P	11:39	X	X	X	X	X	X	X	X	X	X																		
ZZZZZZ			11:42																												
460-300945-A-14-B SD ^50	50	P	11:44	X	X	X	X	X	X	X	X	X	X																		
ZZZZZZ			11:47																												
ZZZZZZ			11:49																												
ZZZZZZ			11:51																												
CCV 460-975529/31	1		11:54	X	X	X	X	X	X	X	X	X	X																		
CCB 460-975529/32	1		11:56	X	X	X	X	X	X	X	X	X	X																		
ZZZZZZ			11:59																												
460-303610-1	10	P	12:01	X	X	X	X	X	X	X	X	X	X																		
460-303610-2	10	P	12:04	X	X	X	X	X	X	X	X	X	X																		
460-303610-3	10	P	12:06	X	X	X	X	X	X	X	X	X	X																		
460-303610-4	10	P	12:09	X	X	X	X	X	X	X	X	X	X																		
460-303610-5	10	P	12:11	X	X	X	X	X	X	X	X	X	X																		
ZZZZZZ			12:13																												
ZZZZZZ			12:16																												
ZZZZZZ			12:18																												

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: ICPMS4 Analysis Method: 6020B

Start Date: 05/17/2024 10:29 End Date: 05/18/2024 04:55

Lab Sample Id	D/F	Type	Time	Analytes																										
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn																	
ZZZZZZ			12:21																											
CCV 460-975529/43	1		12:23	X	X	X	X	X	X	X	X	X	X																	
CCB 460-975529/44	1		12:26	X	X	X	X	X	X	X	X	X	X																	
LB 460-974569/1-C ^10	10	P	12:28	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ			12:31																											
ZZZZZZ			12:33																											
ZZZZZZ			12:35																											
ZZZZZZ			12:38																											
ZZZZZZ			12:40																											
CCV 460-975529/51	1		12:43	X	X	X	X	X	X	X	X	X	X																	
CCB 460-975529/52	1		12:45	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ			12:48																											
ZZZZZZ			12:50																											
ZZZZZZ			12:53																											
ZZZZZZ			12:55																											
ZZZZZZ			12:58																											
ZZZZZZ			13:00																											
ZZZZZZ			13:03																											
ZZZZZZ			13:05																											
ZZZZZZ			13:07																											
ZZZZZZ			13:10																											
CCV 460-975529/63			13:12																											
CCB 460-975529/64			13:15																											
ZZZZZZ			13:17																											
ZZZZZZ			13:20																											
ZZZZZZ			13:22																											
ZZZZZZ			13:25																											
ZZZZZZ			13:27																											
ZZZZZZ			13:30																											
ZZZZZZ			13:32																											
ZZZZZZ			13:35																											
ZZZZZZ			13:37																											
ZZZZZZ			13:39																											
CCV 460-975529/75	1		13:42	X	X	X	X	X	X	X	X	X	X																	
CCB 460-975529/76	1		13:44	X	X	X	X	X	X	X	X	X	X																	
MB 460-975439/1-A	1	T	13:47	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ			13:49																											
ZZZZZZ			13:52																											
ZZZZZZ			13:54																											
ZZZZZZ			13:57																											
ZZZZZZ			13:59																											

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: ICPMS4 Analysis Method: 6020B

Start Date: 05/17/2024 10:29 End Date: 05/18/2024 04:55

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn																
ZZZZZZ			14:02																										
ZZZZZZ			14:04																										
ZZZZZZ			14:06																										
ZZZZZZ			14:09																										
CCV 460-975529/87	1		14:11	X	X	X	X	X	X	X	X	X	X																
CCB 460-975529/88	1		14:14	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			14:16																										
ZZZZZZ			14:19																										
ZZZZZZ			14:21																										
ZZZZZZ			14:24																										
ZZZZZZ			14:26																										
ZZZZZZ			14:28																										
ZZZZZZ			14:31																										
ZZZZZZ			14:33																										
ZZZZZZ			14:36																										
ZZZZZZ			14:38																										
CCV 460-975529/99	1		14:41	X	X	X	X	X	X	X	X	X	X																
CCB 460-975529/100	1		14:43	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			14:46																										
ZZZZZZ			14:48																										
LB 460-974423/1-H ^10	10	P	14:50	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			14:53																										
ZZZZZZ			14:55																										
ZZZZZZ			14:58																										
ZZZZZZ			15:00																										
ZZZZZZ			15:03																										
ZZZZZZ			15:05																										
CCV 460-975529/110	1		15:08	X	X	X	X	X	X	X	X	X	X																
CCB 460-975529/111	1		15:10	X	X	X	X	X	X	X	X	X	X																
ZZZZZZ			15:12																										
ZZZZZZ			15:15																										
ZZZZZZ			15:17																										
ZZZZZZ			15:20																										
ZZZZZZ			15:22																										
ZZZZZZ			15:25																										
ZZZZZZ			15:27																										
ZZZZZZ			15:30																										
ZZZZZZ			15:32																										
ZZZZZZ			15:35																										
CCV 460-975529/122			15:37																										
CCB 460-975529/123			15:40																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: ICPMS4 Analysis Method: 6020B

Start Date: 05/17/2024 10:29 End Date: 05/18/2024 04:55

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn																
ZZZZZZ			15:42																										
ZZZZZZ			15:44																										
ZZZZZZ			15:47																										
ZZZZZZ			15:49																										
ZZZZZZ			15:52																										
ZZZZZZ			15:54																										
ZZZZZZ			15:57																										
ZZZZZZ			15:59																										
ZZZZZZ			16:01																										
ZZZZZZ			16:04																										
CCV 460-975529/134			16:06																										
CCB 460-975529/135			16:09																										
ZZZZZZ			16:11																										
ZZZZZZ			16:14																										
ZZZZZZ			16:16																										
ZZZZZZ			16:19																										
ZZZZZZ			16:21																										
ZZZZZZ			16:23																										
ZZZZZZ			16:26																										
ZZZZZZ			16:28																										
ZZZZZZ			16:31																										
ZZZZZZ			16:33																										
CCV 460-975529/146			16:36																										
CCB 460-975529/147			16:38																										
ZZZZZZ			16:41																										
ZZZZZZ			16:43																										
ZZZZZZ			16:45																										
ZZZZZZ			16:48																										
ZZZZZZ			16:50																										
ZZZZZZ			16:53																										
ZZZZZZ			16:55																										
ZZZZZZ			16:58																										
CCV 460-975529/156			17:00																										
CCB 460-975529/157			17:03																										
ZZZZZZ			17:05																										
ZZZZZZ			17:07																										
ZZZZZZ			17:10																										
ZZZZZZ			17:12																										
ZZZZZZ			17:15																										
ZZZZZZ			17:17																										
ZZZZZZ			17:20																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: ICPMS4 Analysis Method: 6020B

Start Date: 05/17/2024 10:29 End Date: 05/18/2024 04:55

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn																
ZZZZZZ			17:22																										
ZZZZZZ			17:25																										
ZZZZZZ			17:27																										
CCV 460-975529/168			17:30																										
CCB 460-975529/169			17:32																										
ZZZZZZ			17:34																										
ZZZZZZ			17:37																										
ZZZZZZ			17:39																										
ZZZZZZ			17:42																										
ZZZZZZ			17:44																										
ZZZZZZ			17:47																										
ZZZZZZ			17:49																										
ZZZZZZ			17:52																										
ZZZZZZ			17:54																										
ZZZZZZ			17:57																										
CCV 460-975529/180			17:59																										
CCB 460-975529/181			18:01																										
ZZZZZZ			18:04																										
CCV 460-975529/183			18:06																										
CCB 460-975529/184			18:09																										
CCV 460-975529/185			01:43																										
CCB 460-975529/186			01:46																										
ICSA 460-975529/187			01:56																										
ICSAB 460-975529/188			01:59																										
ZZZZZZ			02:01																										
ZZZZZZ			02:04																										
ZZZZZZ			02:06																										
CCV 460-975529/192			02:09																										
CCB 460-975529/193			02:11																										
ZZZZZZ			02:14																										
ZZZZZZ			02:16																										
ZZZZZZ			02:18																										
ZZZZZZ			02:21																										
ZZZZZZ			02:23																										
ZZZZZZ			02:26																										
ZZZZZZ			02:28																										
ZZZZZZ			02:31																										
ZZZZZZ			02:33																										
ZZZZZZ			02:36																										
CCV 460-975529/204			02:38																										
CCB 460-975529/205			02:40																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: ICPMS4 Analysis Method: 6020B

Start Date: 05/17/2024 10:29 End Date: 05/18/2024 04:55

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn																
ZZZZZZ			02:43																										
ZZZZZZ			02:45																										
ZZZZZZ			02:48																										
ZZZZZZ			02:50																										
ZZZZZZ			02:53																										
ZZZZZZ			02:55																										
ZZZZZZ			02:58																										
ZZZZZZ			03:00																										
ZZZZZZ			03:02																										
ZZZZZZ			03:05																										
CCV 460-975529/216			03:07																										
CCB 460-975529/217			03:10																										
ZZZZZZ			03:12																										
ZZZZZZ			03:15																										
ZZZZZZ			03:17																										
ZZZZZZ			03:20																										
ZZZZZZ			03:22																										
ZZZZZZ			03:24																										
ZZZZZZ			03:27																										
ZZZZZZ			03:29																										
ZZZZZZ			03:32																										
ZZZZZZ			03:34																										
CCV 460-975529/228			03:37																										
CCB 460-975529/229			03:39																										
ZZZZZZ			03:42																										
ZZZZZZ			03:44																										
ZZZZZZ			03:46																										
ZZZZZZ			03:49																										
ZZZZZZ			03:51																										
ZZZZZZ			03:54																										
ZZZZZZ			03:56																										
ZZZZZZ			03:59																										
ZZZZZZ			04:01																										
ZZZZZZ			04:04																										
CCV 460-975529/240			04:06																										
CCB 460-975529/241			04:08																										
ZZZZZZ			04:11																										
ZZZZZZ			04:13																										
ZZZZZZ			04:16																										
ZZZZZZ			04:18																										
ZZZZZZ			04:21																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: ICPMS4 Analysis Method: 6020B

Start Date: 05/17/2024 10:29 End Date: 05/18/2024 04:55

Lab Sample Id	D/F	Type	Time	Analytes																										
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn																	
ZZZZZZ			04:23																											
ZZZZZZ			04:26																											
CCV 460-975529/249			04:28																											
CCB 460-975529/250			04:30																											
ZZZZZZ			04:33																											
ZZZZZZ			04:35																											
ZZZZZZ			04:38																											
ZZZZZZ			04:40																											
ZZZZZZ			04:43																											
ZZZZZZ			04:45																											
ZZZZZZ			04:48																											
ZZZZZZ			04:50																											
CCV 460-975529/259			04:53																											
CCB 460-975529/260			04:55																											

Prep Types:
P = TCLP
T = Total/NA

FORM XIII-IN

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ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7470A

Start Date: 05/14/2024 13:44 End Date: 05/14/2024 16:44

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ICIS 460-974809/1			13:44	X																								
IC 460-974766/24-A			13:45	X																								
IC 460-974766/25-A			13:47	X																								
IC 460-974766/26-A			13:49	X																								
IC 460-974766/27-A			13:51	X																								
IC 460-974766/28-A			13:52	X																								
ICV 460-974766/29-A	1		13:54	X																								
ICB 460-974809/8	1		13:56	X																								
CRI 460-974766/30-A	1		13:58	X																								
ZZZZZZ			14:00																									
ZZZZZZ			14:01																									
CCV 460-974766/33-A			14:03																									
CCB 460-974809/13			14:05																									
ZZZZZZ			14:07																									
ZZZZZZ			14:08																									
ZZZZZZ			14:10																									
ZZZZZZ			14:12																									
ZZZZZZ			14:14																									
ZZZZZZ			14:15																									
ZZZZZZ			14:17																									
ZZZZZZ			14:19																									
ZZZZZZ			14:20																									
ZZZZZZ			14:22																									
CCV 460-974766/33-A			14:24																									
CCB 460-974809/25			14:26																									
ZZZZZZ			14:27																									
ZZZZZZ			14:29																									
ZZZZZZ			14:31																									
ZZZZZZ			14:33																									
ZZZZZZ			14:34																									
ZZZZZZ			14:36																									
ZZZZZZ			14:38																									
ZZZZZZ			14:39																									
ZZZZZZ			14:41																									
ZZZZZZ			14:43																									
CCV 460-974766/33-A			14:44																									
CCB 460-974809/37			14:46																									
ZZZZZZ			14:48																									
ZZZZZZ			14:50																									
ZZZZZZ			14:51																									
ZZZZZZ			14:53																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7470A

Start Date: 05/14/2024 13:44 End Date: 05/14/2024 16:44

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
ZZZZZZ			14:55	
ZZZZZZ			14:56	
ZZZZZZ			14:58	
ZZZZZZ			15:00	
ZZZZZZ			15:02	
ZZZZZZ			15:03	
CCV 460-974766/33-A			15:05	
CCB 460-974809/49			15:07	
ZZZZZZ			15:09	
ZZZZZZ			15:10	
ZZZZZZ			15:12	
ZZZZZZ			15:14	
ZZZZZZ			15:15	
ZZZZZZ			15:17	
ZZZZZZ			15:19	
ZZZZZZ			15:21	
ZZZZZZ			15:22	
ZZZZZZ			15:24	
CCV 460-974766/33-A	1		15:26	X
CCB 460-974809/61	1		15:27	X
ZZZZZZ			15:29	
ZZZZZZ			15:31	
ZZZZZZ			15:33	
ZZZZZZ			15:34	
MB 460-974783/1-A	1	T	15:36	X
ZZZZZZ			15:38	
ZZZZZZ			15:40	
ZZZZZZ			15:41	
ZZZZZZ			15:43	
ZZZZZZ			15:45	
CCV 460-974766/33-A	1		15:47	X
CCB 460-974809/73	1		15:48	X
ZZZZZZ			15:50	
ZZZZZZ			15:52	
ZZZZZZ			15:53	
ZZZZZZ			15:55	
ZZZZZZ			15:57	
ZZZZZZ			15:59	
ZZZZZZ			16:00	
ZZZZZZ			16:02	
LB 460-974423/1-F	1	P	16:04	X

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7470A

Start Date: 05/14/2024 13:44 End Date: 05/14/2024 16:44

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			16:05																									
CCV 460-974766/33-A	1		16:07	X																								
CCB 460-974809/85	1		16:09	X																								
ZZZZZZ			16:11																									
ZZZZZZ			16:12																									
ZZZZZZ			16:14																									
ZZZZZZ			16:16																									
ZZZZZZ			16:18																									
ZZZZZZ			16:19																									
ZZZZZZ			16:21																									
ZZZZZZ			16:23																									
ZZZZZZ			16:25																									
ZZZZZZ			16:26																									
CCV 460-974766/33-A			16:28																									
CCB 460-974809/97			16:30																									
ZZZZZZ			16:32																									
ZZZZZZ			16:33																									
ZZZZZZ			16:35																									
ZZZZZZ			16:37																									
ZZZZZZ			16:39																									
ZZZZZZ			16:40																									
CCV 460-974809/104			16:42																									
CCB 460-974809/105			16:44																									

Prep Types:
P = TCLP
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7470A

Start Date: 05/16/2024 14:08 End Date: 05/16/2024 17:07

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ICIS 460-975315/1			14:08	X																								
IC 460-975266/26-A			14:10	X																								
IC 460-975266/27-A			14:12	X																								
IC 460-975266/28-A			14:13	X																								
IC 460-975266/29-A			14:15	X																								
IC 460-975266/30-A			14:17	X																								
ICV 460-975266/31-A	1		14:19	X																								
ICB 460-975315/8	1		14:21	X																								
CRI 460-975266/32-A	1		14:22	X																								
ZZZZZZ			14:24																									
ZZZZZZ			14:26																									
CCV 460-975266/35-A			14:28																									
CCB 460-975315/13			14:29																									
ZZZZZZ			14:31																									
ZZZZZZ			14:33																									
ZZZZZZ			14:35																									
ZZZZZZ			14:36																									
ZZZZZZ			14:38																									
ZZZZZZ			14:40																									
ZZZZZZ			14:42																									
ZZZZZZ			14:43																									
ZZZZZZ			14:45																									
ZZZZZZ			14:47																									
CCV 460-975266/35-A			14:48																									
CCB 460-975315/25			14:50																									
ZZZZZZ			14:52																									
ZZZZZZ			14:54																									
ZZZZZZ			14:55																									
ZZZZZZ			14:57																									
ZZZZZZ			14:59																									
ZZZZZZ			15:00																									
ZZZZZZ			15:02																									
ZZZZZZ			15:04																									
ZZZZZZ			15:05																									
ZZZZZZ			15:07																									
CCV 460-975266/35-A			15:09																									
CCB 460-975315/37			15:11																									
ZZZZZZ			15:12																									
ZZZZZZ			15:14																									
ZZZZZZ			15:16																									
ZZZZZZ			15:18																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7470A

Start Date: 05/16/2024 14:08 End Date: 05/16/2024 17:07

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			15:19																									
ZZZZZZ			15:21																									
ZZZZZZ			15:23																									
ZZZZZZ			15:24																									
ZZZZZZ			15:26																									
ZZZZZZ			15:28																									
CCV 460-975266/35-A			15:30																									
CCB 460-975315/49			15:31																									
ZZZZZZ			15:33																									
ZZZZZZ			15:35																									
ZZZZZZ			15:37																									
ZZZZZZ			15:38																									
ZZZZZZ			15:40																									
ZZZZZZ			15:42																									
ZZZZZZ			15:44																									
ZZZZZZ			15:45																									
ZZZZZZ			15:47																									
ZZZZZZ			15:49																									
CCV 460-975266/35-A	1		15:50	X																								
CCB 460-975315/61	1		15:52	X																								
ZZZZZZ			15:54																									
ZZZZZZ			15:56																									
ZZZZZZ			15:57																									
ZZZZZZ			15:59																									
ZZZZZZ			16:01																									
ZZZZZZ			16:02																									
ZZZZZZ			16:04																									
ZZZZZZ			16:06																									
MB 460-975279/1-A	1	T	16:08	X																								
LCS 460-975279/2-A	1	T	16:09	X																								
CCV 460-975266/35-A	1		16:11	X																								
CCB 460-975315/73	1		16:13	X																								
ZZZZZZ			16:15																									
460-303825-B-2-I DU	1	P	16:17	X																								
460-303825-B-2-J MS	1	P	16:18	X																								
460-303825-B-2-H SD ^5	5	P	16:20	X																								
ZZZZZZ			16:22																									
ZZZZZZ			16:23																									
ZZZZZZ			16:25																									
ZZZZZZ			16:27																									
ZZZZZZ			16:29																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7470A

Start Date: 05/16/2024 14:08 End Date: 05/16/2024 17:07

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			16:30																									
CCV 460-975266/35-A	1		16:32	X																								
CCB 460-975315/85	1		16:34	X																								
ZZZZZZ			16:36																									
460-303610-1	1	P	16:37	X																								
460-303610-2	1	P	16:39	X																								
ZZZZZZ			16:41																									
460-303610-4	1	P	16:43	X																								
460-303610-5	1	P	16:45	X																								
ZZZZZZ			16:46																									
ZZZZZZ			16:48																									
ZZZZZZ			16:50																									
ZZZZZZ			16:52																									
CCV 460-975266/35-A	1		16:53	X																								
CCB 460-975315/97	1		16:55	X																								
ZZZZZZ			16:57																									
LB 460-975050/1-C	1	P	16:59	X																								
ZZZZZZ			17:00																									
ZZZZZZ			17:02																									
460-303610-3	3	P	17:04	X																								
CCV 460-975266/35-A	1		17:05	X																								
CCB 460-975315/104	1		17:07	X																								

Prep Types:
P = TCLP
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7471B

Start Date: 05/15/2024 04:02 End Date: 05/15/2024 08:39

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ICIS 460-974972/1			04:02	X																								
IC 460-974892/2-A			04:03	X																								
IC 460-974892/3-A			04:05	X																								
IC 460-974892/4-A			04:07	X																								
IC 460-974892/5-A			04:09	X																								
IC 460-974892/6-A			04:11	X																								
ICV 460-974972/7	1		04:13	X																								
ICB 460-974972/8	1		04:15	X																								
CCV 460-974972/9			04:17																									
CCB 460-974972/10			04:18																									
ZZZZZZ			04:20																									
ZZZZZZ			04:22																									
ZZZZZZ			04:24																									
ZZZZZZ			04:26																									
ZZZZZZ			04:27																									
ZZZZZZ			04:29																									
ZZZZZZ			04:31																									
ZZZZZZ			04:33																									
ZZZZZZ			04:34																									
ZZZZZZ			04:36																									
CCV 460-974972/21			04:38																									
CCB 460-974972/22			04:40																									
ZZZZZZ			04:42																									
ZZZZZZ			04:44																									
ZZZZZZ			04:45																									
ZZZZZZ			04:47																									
ZZZZZZ			04:49																									
ZZZZZZ			04:51																									
ZZZZZZ			04:52																									
ZZZZZZ			04:54																									
ZZZZZZ			04:56																									
ZZZZZZ			04:58																									
CCV 460-974972/33			04:59																									
CCB 460-974972/34			05:01																									
ZZZZZZ			05:03																									
ZZZZZZ			05:05																									
ZZZZZZ			05:07																									
ZZZZZZ			05:08																									
ZZZZZZ			05:10																									
ZZZZZZ			05:12																									
ZZZZZZ			05:14																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7471B

Start Date: 05/15/2024 04:02 End Date: 05/15/2024 08:39

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			05:16																									
ZZZZZZ			05:18																									
ZZZZZZ			05:19																									
CCV 460-974972/45			05:21																									
CCB 460-974972/46			05:23																									
ZZZZZZ			05:25																									
ZZZZZZ			05:27																									
ZZZZZZ			05:28																									
ZZZZZZ			05:30																									
ZZZZZZ			05:32																									
ZZZZZZ			05:34																									
ZZZZZZ			05:35																									
ZZZZZZ			05:37																									
ZZZZZZ			05:39																									
ZZZZZZ			05:41																									
CCV 460-974972/57			05:43																									
CCB 460-974972/58			05:45																									
ZZZZZZ			05:47																									
ZZZZZZ			05:49																									
ZZZZZZ			05:51																									
ZZZZZZ			05:52																									
ZZZZZZ			05:54																									
ZZZZZZ			05:56																									
ZZZZZZ			05:58																									
ZZZZZZ			06:00																									
ZZZZZZ			06:02																									
ZZZZZZ			06:04																									
CCV 460-974972/69			06:06																									
CCB 460-974972/70			06:07																									
ZZZZZZ			06:09																									
ZZZZZZ			06:11																									
ZZZZZZ			06:13																									
ZZZZZZ			06:15																									
ZZZZZZ			06:17																									
ZZZZZZ			06:19																									
ZZZZZZ			06:21																									
ZZZZZZ			06:22																									
ZZZZZZ			06:24																									
ZZZZZZ			06:26																									
CCV 460-974972/81			06:28																									
CCB 460-974972/82			06:30																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7471B

Start Date: 05/15/2024 04:02 End Date: 05/15/2024 08:39

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			06:32																									
ZZZZZZ			06:34																									
ZZZZZZ			06:36																									
ZZZZZZ			06:37																									
ZZZZZZ			06:39																									
ZZZZZZ			06:41																									
ZZZZZZ			06:43																									
ZZZZZZ			06:45																									
ZZZZZZ			06:47																									
ZZZZZZ			06:49																									
CCV 460-974972/93	1		06:51	X																								
CCB 460-974972/94	1		06:52	X																								
ZZZZZZ			06:54																									
ZZZZZZ			06:56																									
ZZZZZZ			06:58																									
ZZZZZZ			07:00																									
ZZZZZZ			07:02																									
ZZZZZZ			07:04																									
ZZZZZZ			07:06																									
LCSSRM 460-974897/2-A ^20	20	T	07:09	X																								
ZZZZZZ			07:11																									
460-303630-A-1-B DU	1	T	07:13	X																								
CCV 460-974972/105	1		07:15	X																								
CCB 460-974972/106	1		07:17	X																								
460-303630-A-1-C MS	1	T	07:19	X																								
460-303630-A-1-A SD ^5	5	T	07:21	X																								
ZZZZZZ			07:22																									
ZZZZZZ			07:24																									
ZZZZZZ			07:27																									
ZZZZZZ			07:30																									
ZZZZZZ			07:33																									
ZZZZZZ			07:34																									
ZZZZZZ			07:36																									
460-303610-10	400	T	07:38	X																								
CCV 460-974972/117	1		07:40	X																								
CCB 460-974972/118	1		07:42	X																								
ZZZZZZ			07:44																									
ZZZZZZ			07:45																									
ZZZZZZ			07:47																									
ZZZZZZ			07:49																									
ZZZZZZ			07:51																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: LEEMAN6 Analysis Method: 7471B

Start Date: 05/15/2024 04:02 End Date: 05/15/2024 08:39

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			07:53																									
ZZZZZZ			07:55																									
ZZZZZZ			07:56																									
ZZZZZZ			07:58																									
ZZZZZZ			08:00																									
CCV 460-974972/129	1		08:02	X																								
CCB 460-974972/130	1		08:04	X																								
ZZZZZZ			08:06																									
ZZZZZZ			08:08																									
ZZZZZZ			08:10																									
ZZZZZZ			08:12																									
ZZZZZZ			08:14																									
MB 460-974897/1-A	1	T	08:16	X																								
460-303610-1	1200	T	08:17	X																								
460-303610-2	1200	T	08:19	X																								
460-303610-3	1200	T	08:21	X																								
460-303610-4	1200	T	08:23	X																								
CCV 460-974972/141	1		08:25	X																								
CCB 460-974972/142	1		08:27	X																								
460-303610-5	1200	T	08:29	X																								
460-303610-6	400	T	08:30	X																								
460-303610-8	20	T	08:32	X																								
ZZZZZZ			08:34																									
ZZZZZZ			08:36																									
CCV 460-974972/148	1		08:38	X																								
CCB 460-974972/149	1		08:39	X																								

Prep Types:
T = Total/NA

FORM XIII-IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: Analysis Batch No.: 975529

ICP-MS Instrument ID: ICPMS4 Start Date: 05/17/2024 End Date: 05/17/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
IC 460-975529/1	10:29	100		100		100		100		100	
IC 460-975529/2	10:32	100		101		101		100		100	
IC 460-975529/3	10:35	101		102		100		99		100	
IC 460-975529/4	10:37	100		101		102		100		103	
IC 460-975529/5	10:40	100		103		102		101		105	
IC 460-975529/6	10:43	100		101		102		100		106	
ICV 460-975529/7	10:45	102		102		103		101		104	
ICB 460-975529/8	10:48	100		102		103		101		102	
ICSA 460-975529/10	10:53	98		100		101		100		107	
ICSAB 460-975529/11	10:55	97		102		102		100		108	
LRC 460-975529/12	10:58	96		101		96		91		98	
LRC 460-975529/13	11:00	92		100		103		104		103	
LRC 460-975529/14	11:03	97		100		103		102		106	
CCV 460-975529/19	11:15	101		104		103		102		104	
CCB 460-975529/20	11:17	100		106		104		102		103	
MB 460-974729/1-A	11:29	100		104		103		102		101	
LCS 460-974729/2-A	11:32	100		104		103		102		101	
^10 460-300945-A-14-B	11:34	97		103		101		100		103	
PDS ^10 460-300945-A-14-D	11:37	99		102		101		99		103	
MS ^10 460-300945-A-14-C	11:39	98		101		101		101		103	
DU ^10 460-300945-A-14-B	11:44	98		102		101		98		101	
SD ^50 CCV 460-975529/31	11:54	100		101		101		98		103	
CCB 460-975529/32	11:56	100		102		100		98		100	
460-303610-1	12:01	98		100		100		100		102	
460-303610-2	12:04	99		102		101		101		103	
460-303610-3	12:06	100		102		101		101		103	
460-303610-4	12:09	101		103		102		102		103	
460-303610-5	12:11	101		102		101		99		103	
CCV 460-975529/43	12:23	101		102		100		99		104	
CCB 460-975529/44	12:26	103		102		101		101		102	
LB 460-974569/1-C	12:28	99		101		102		100		104	
^10 CCV 460-975529/51	12:43	95		104		104		101		107	
CCB 460-975529/52	12:45	97		106		105		101		104	
CCV 460-975529/75	13:42	91		99		99		92		101	
CCB 460-975529/76	13:44	89		100		99		92		97	
MB 460-975439/1-A	13:47	90		100		99		94		97	
CCV 460-975529/87	14:11	93		104		108		102		109	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: Analysis Batch No.: 975529

ICP-MS Instrument ID: ICPMS4 Start Date: 05/17/2024 End Date: 05/17/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
CCB 460-975529/88	14:14	92		105		107		101		105	
CCV 460-975529/99	14:41	96		104		107		101		109	
CCB 460-975529/100	14:43	96		103		107		101		105	
LB 460-974423/1-H	14:50	96		101		104		100		105	
^10 CCV 460-975529/110	15:08	100		110		112		107		115	
CCB 460-975529/111	15:10	99		110		113		107		111	
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: Analysis Batch No.: 975529

ICP-MS Instrument ID: ICPMS4 Start Date: 05/17/2024 End Date: 05/17/2024

Analyte	Mass	Internal Standard Used:				
		Element In 115	Element Tb 159	Element Bi 209	Element Sc/1 45	Element Sc/2 45
Arsenic	75					
Barium	137		X			
Cadmium	111	X				
Chromium	52					
Copper	63					
Lead	208			X		
Nickel	60					
Selenium	78					
Silver	107	X				
Zinc	66					
Aluminum	27					
Antimony	121	X				
Beryllium	9					
Boron	11					
Calcium	40					X
Cobalt	59					
Iron	56					X
Magnesium	24					
Manganese	55					
Molybdenum	95	X				
Potassium	39					
Sodium	23					
Strontium	88	X				
Thallium	205			X		
Tin	118	X				
Titanium	47				X	
Vanadium	51					
Internal Standard Name on Instrument		In-1	Tb (IS)	Bi (IS)	Sc (ISICPMS)	Sc (ISICPMS)

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: Analysis Batch No.: 975529

ICP-MS Instrument ID: ICPMS4 Start Date: 05/17/2024 End Date: 05/17/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
IC 460-975529/1	10:29	100		100		100		100			
IC 460-975529/2	10:32	99		99		99		99			
IC 460-975529/3	10:35	98		99		99		98			
IC 460-975529/4	10:37	103		100		99		97			
IC 460-975529/5	10:40	105		99		99		95			
IC 460-975529/6	10:43	105		99		99		95			
ICV 460-975529/7	10:45	105		101		100		97			
ICB 460-975529/8	10:48	103		101		100		99			
ICSA 460-975529/10	10:53	108		97		98		92			
ICSAB 460-975529/11	10:55	109		97		98		92			
LRC 460-975529/12	10:58	98		94		96		96			
LRC 460-975529/13	11:00	108		98		98		89			
LRC 460-975529/14	11:03	108		100		100		95			
CCV 460-975529/19	11:15	106		100		99		97			
CCB 460-975529/20	11:17	104		100		100		100			
MB 460-974729/1-A	11:29	102		100		98		98			
LCS 460-974729/2-A	11:32	104		101		100		99			
^10 460-300945-A-14-B	11:34	103		97		98		95			
PDS ^10 460-300945-A-14-D	11:37	106		99		99		96			
MS ^10 460-300945-A-14-C	11:39	105		98		98		94			
DU ^10 460-300945-A-14-B	11:44	100		98		98		96			
SD ^50 CCV 460-975529/31	11:54	103		98		98		95			
CCB 460-975529/32	11:56	100		99		98		98			
460-303610-1	12:01	105		98		98		95			
460-303610-2	12:04	106		100		100		96			
460-303610-3	12:06	105		99		100		97			
460-303610-4	12:09	105		100		100		97			
460-303610-5	12:11	106		99		100		97			
CCV 460-975529/43	12:23	106		101		102		99			
CCB 460-975529/44	12:26	103		102		102		102			
LB 460-974569/1-C	12:28	104		100		101		99			
^10 CCV 460-975529/51	12:43	107		101		101		99			
CCB 460-975529/52	12:45	104		102		101		103			
CCV 460-975529/75	13:42	101		96		97		97			
CCB 460-975529/76	13:44	96		95		96		98			
MB 460-975439/1-A	13:47	98		95		97		97			
CCV 460-975529/87	14:11	110		102		101		97			

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: Analysis Batch No.: 975529

ICP-MS Instrument ID: ICPMS4 Start Date: 05/17/2024 End Date: 05/17/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
CCB 460-975529/88	14:14	105		102		100		100			
CCV 460-975529/99	14:41	109		100		101		98			
CCB 460-975529/100	14:43	105		102		100		101			
LB 460-974423/1-H	14:50	105		98		98		96			
^10 CCV 460-975529/110	15:08	113		107		105		103			
CCB 460-975529/111	15:10	113		108		105		106			
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.: Analysis Batch No.: 975529

ICP-MS Instrument ID: ICPMS4 Start Date: 05/17/2024 End Date: 05/17/2024

Analyte	Mass	Internal Standard Used:				
		Element Sc/3 45	Element Li-6 6	Element Ge/2 74	Element Ge/3 74	Element
Arsenic	75				X	
Barium	137					
Cadmium	111					
Chromium	52	X				
Copper	63	X				
Lead	208					
Nickel	60	X				
Selenium	78			X		
Silver	107					
Zinc	66	X				
Aluminum	27	X				
Antimony	121					
Beryllium	9		X			
Boron	11		X			
Calcium	40					
Cobalt	59	X				
Iron	56					
Magnesium	24	X				
Manganese	55	X				
Molybdenum	95					
Potassium	39	X				
Sodium	23	X				
Strontium	88					
Thallium	205					
Tin	118					
Titanium	47					
Vanadium	51	X				
Internal Standard Name on Instrument		Sc (ISICPMS)	Li (IS)	Ge (IS)	Ge (IS)	

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VesselNumber	EFD_InitialpH	SampTemppH1	FiltCompDate
LB 460-974423/1		1311, 3010A, 6020B			100.00 g	2000 mL	12	4.95 SU		05/13/2024
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 3010A, 6020B	Solid	P	100.11 g	2000 mL	1	7.17 SU	1.67 Degrees C	05/13/2024
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 3010A, 6020B	Solid	P	100.06 g	2000 mL	2	8.34 SU	1.66 Degrees C	05/13/2024
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 3010A, 6020B	Solid	P	100.09 g	2000 mL	3	6.61 SU	1.61 Degrees C	05/13/2024
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 3010A, 6020B	Solid	P	100.03 g	2000 mL	4	8.28 SU	1370 Degrees C	05/13/2024
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 3010A, 6020B	Solid	P	100.08 g	2000 mL	5	7.05 SU	1.66 Degrees C	05/13/2024

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
LB 460-974423/1		1311, 3010A, 6020B			08:00	4.97 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 3010A, 6020B	Solid	P	08:55	5.65 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 3010A, 6020B	Solid	P	09:00	5.08 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 3010A, 6020B	Solid	P	09:05	5.00 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 3010A, 6020B	Solid	P	09:10	6.24 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 3010A, 6020B	Solid	P	09:15	5.05 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

Batch Notes	
Tumbler Rotations per Minute	29
Balance ID	13
Balance is Level? (Y/N)	Y
pH Meter ID	K
Room Temperature Thermometer ID	Ambient ID S72864 Temp 24.0c
TCLP Fluid 1 ID	TF1050324 Prep: 05/03/24 Exp: 11/03/24
TCLP Fluid 1 pH	4.92 SU
1N HCl ID	TCLP 3260 Prep: 04/25/24 Exp: 10/25/24
Filter ID	Env Express / 400224-3264 D
Uncorrected Maximum Temperature	25.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	24.1 Degrees C
Minimum Temperature	23.1 Degrees C
Room Temperature during Rotation	24.0 Degrees C

Basis	Basis Description
P	TCLP

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974569 Batch Start Date: 05/13/24 15:12 Batch Analyst: Hu, Youhao

Batch Method: 1311 Batch End Date: 05/14/24 07:12

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VesselNumber	FiltCompDate	FiltCompTime	LeachatepH
LB 460-974569/1		1311, 3010A, 6020B			100.00 g	2000 mL	13	05/14/2024	09:30	4.95 SU

Batch Notes	
Tumbler Rotations per Minute	29
Balance ID	13
Balance is Level? (Y/N)	Y
pH Meter ID	K
Room Temperature Thermometer ID	Ambient ID S72864 Temp 24.0c
TCLP Fluid 1 ID	TF1050324 Prep: 05/03/24 Exp: 11/03/24
TCLP Fluid 1 pH	4.92 SU
1N HCl ID	TCLP 3260 Prep: 04/25/24 Exp: 10/25/24
Filter ID	Env Express / 400224-3264 D
Uncorrected Maximum Temperature	25.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	24.1 Degrees C
Minimum Temperature	23.1 Degrees C
Room Temperature during Rotation	24.0 Degrees C

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974729 Batch Start Date: 05/14/24 09:30 Batch Analyst: Nikritin, Ketlin X

Batch Method: 3010A Batch End Date: 05/14/24 14:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_TCLPspk 00059			
MB 460-974729/1		3010A, 6020B			50 mL	50 mL				
LCS 460-974729/2		3010A, 6020B			50 mL	50 mL	0.5 mL			
460-300945-A-14 -A DU		3010A, 6020B		P	50 mL	50 mL				
460-300945-A-14 -A MS		3010A, 6020B		P	50 mL	50 mL	0.5 mL			
460-303610-E-1-C	PL-C-4W-20240508-0.75-3.2	3010A, 6020B	Solid	P	50 mL	50 mL				
460-303610-E-2-B	PL-C-1W-20240508-0.75-4.1	3010A, 6020B	Solid	P	50 mL	50 mL				
460-303610-E-3-B	PL-C-5W-20240508-0.75-7.8	3010A, 6020B	Solid	P	50 mL	50 mL				
460-303610-E-4-B	PL-C-2W-20240508-1.7-7.4	3010A, 6020B	Solid	P	50 mL	50 mL				
460-303610-E-5-B	PL-C-3W-20240508-0.85-3.2	3010A, 6020B	Solid	P	50 mL	50 mL				
LB 460-974569/1-A		3010A, 6020B			50 mL	50 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974729 Batch Start Date: 05/14/24 09:30 Batch Analyst: Nikritin, Ketlin X

Batch Method: 3010A Batch End Date: 05/14/24 14:30

Batch Notes	
Digestion Tube/Cup ID	Lot # 2307074-3320-IM (Env. Exp. 100 ml Dg Cups)
Pipette/Syringe/Dispenser ID	#4
Analyst ID - Spike Analyst	KN
Sufficient Volume for Batch QC	YES
Hydrochloric Acid ID	1:1 DHCL Lot MPR 403 = 5 ml.
Nitric Acid ID	Lot # 231514 (Fisher Chemical Brand) = 3 ml.
Digestion Unit ID	#5
Thermometer ID	Metals 8 (CF +1 deg C)
Thermometer Location ID	Hot Block #5
Temperature - Uncorrected - Start	90 uncorr Degrees C
Temperature - Corrected - Start	91 corr Degrees C
Digestion Start Time	05/14/2024 10:45
Digestion End Time	05/14/2024 12:45
Temperature - Uncorrected - End	90 uncorr Degrees C
Temperature - Corrected - End	91 corr Degrees C
Filter ID	09-790F
MB Hotblock Location	Hood #4

Basis	Basis Description
P	TCLP

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975439 Batch Start Date: 05/17/24 07:00 Batch Analyst: Nikritin, Ketlin X

Batch Method: 3010A Batch End Date: 05/17/24 12:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
MB 460-975439/1		3010A, 6020B			50 mL	50 mL				
LB 460-974423/1-A		3010A, 6020B			50 mL	50 mL				

Batch Notes	
Digestion Tube/Cup ID	Lot # 2307074-3320-IM (Env. Exp. 100 ml Dg Cups)
Pipette/Syringe/Dispenser ID	#4
Analyst ID - Spike Analyst	KN
Sufficient Volume for Batch QC	YES
Hydrochloric Acid ID	1:1 DHCL Lot MPR 403 = 5 ml.
Nitric Acid ID	Lot # 231514 (Fisher Chemical Brand) = 3 ml.
Digestion Unit ID	#5
Thermometer ID	Metals 8 (CF +1 deg C)
Thermometer Location ID	Hot Block #5
Temperature - Uncorrected - Start	90 uncorr Degrees C
Temperature - Corrected - Start	91 corr Degrees C
Digestion Start Time	05/17/2024 07:35
Digestion End Time	05/17/2024 09:35
Temperature - Uncorrected - End	90 uncorr Degrees C
Temperature - Corrected - End	91 corr Degrees C
Filter ID	09-790F
MB Hotblock Location	Hood #4

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VesselNumber	EFD_InitialpH	SampTemppH1	FiltCompDate
LB 460-974423/1		1311, 7470A, 7470A			100.00 g	2000 mL	12	4.95 SU		05/13/2024
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 7470A, 7470A	Solid	P	100.11 g	2000 mL	1	7.17 SU	1.67 Degrees C	05/13/2024
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 7470A, 7470A	Solid	P	100.06 g	2000 mL	2	8.34 SU	1.66 Degrees C	05/13/2024
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 7470A, 7470A	Solid	P	100.09 g	2000 mL	3	6.61 SU	1.61 Degrees C	05/13/2024
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 7470A, 7470A	Solid	P	100.03 g	2000 mL	4	8.28 SU	1370 Degrees C	05/13/2024
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 7470A, 7470A	Solid	P	100.08 g	2000 mL	5	7.05 SU	1.66 Degrees C	05/13/2024

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
LB 460-974423/1		1311, 7470A, 7470A			08:00	4.97 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-1	PL-C-4W-20240508-0.75-3.2	1311, 7470A, 7470A	Solid	P	08:55	5.65 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-2	PL-C-1W-20240508-0.75-4.1	1311, 7470A, 7470A	Solid	P	09:00	5.08 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-3	PL-C-5W-20240508-0.75-7.8	1311, 7470A, 7470A	Solid	P	09:05	5.00 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974423 Batch Start Date: 05/12/24 16:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 05/13/24 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
460-303610-E-4	PL-C-2W-20240508-1.7-7.4	1311, 7470A, 7470A	Solid	P	09:10	6.24 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		
460-303610-E-5	PL-C-3W-20240508-0.85-3.2	1311, 7470A, 7470A	Solid	P	09:15	5.05 SU	TF105062024	TCLP fluid #1; prep. on 5/9/24; exp. on 11/9/24; pH measured on 5/13/24		

Batch Notes	
Tumbler Rotations per Minute	29
Balance ID	13
Balance is Level? (Y/N)	Y
pH Meter ID	K
Room Temperature Thermometer ID	Ambient ID S72864 Temp 24.0c
TCLP Fluid 1 ID	TF1050324 Prep: 05/03/24 Exp: 11/03/24
TCLP Fluid 1 pH	4.92 SU
1N HCl ID	TCLP 3260 Prep: 04/25/24 Exp: 10/25/24
Filter ID	Env Express / 400224-3264 D
Uncorrected Maximum Temperature	25.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	24.1 Degrees C
Minimum Temperature	23.1 Degrees C
Room Temperature during Rotation	24.0 Degrees C

Basis	Basis Description
P	TCLP

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974766 Batch Start Date: 05/14/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 245.1 Batch End Date: 05/14/24 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04577	ME_DQCS-INT 04307		
ICV 460-974766/29		245.1, 7470A			30 mL	30 mL		1.5 mL		
CRI 460-974766/30		245.1, 7470A			30 mL	30 mL	0.06 mL			
CCV 460-974766/33		245.1, 7470A			30 mL	30 mL	1.5 mL			

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	235279(0.75 ml)
Sulfuric Acid Lot Number	231050(1.5 ml)
Potassium Permanganate ID	ME_potPermSol_00287(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00085(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF=1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	05/14/2024 11:00
Digestion End Time	05/14/2024 13:00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00271(1.8 ml)
Batch Comment	10% HCL 00221

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974783 Batch Start Date: 05/14/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 05/14/24 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
MB 460-974783/1		7470A, 7470A			30 mL	30 mL				
LB 460-974423/1-A		7470A, 7470A			30 mL	30 mL				

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	235279(0.75 ml)
Sulfuric Acid ID	231050(1.5ml)
Potassium Permanganate ID	ME_potPermSol_00287(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00085(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	5/14/2024 13.00
Digestion End Time	5/14/2024 15.00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00271(1.8 ml)
Batch Comment	10% HCL 00221

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975050 Batch Start Date: 05/15/24 15:31 Batch Analyst: Hu, Youhao

Batch Method: 1311 Batch End Date: 05/16/24 07:31

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VesselNumber	FiltCompDate	FiltCompTime	LeachatepH
LB 460-975050/1		1311, 7470A, 7470A			100.00 g	2000 mL	15	05/16/2024	08:30	4.88 SU

Batch Notes	
Tumbler Rotations per Minute	29
Balance ID	13
Balance is Level? (Y/N)	Y
pH Meter ID	K
Room Temperature Thermometer ID	Ambient ID S72864
TCLP Fluid 1 ID	TF1051524 Prep: 05/15/24 Exp: 11/15/24
TCLP Fluid 1 pH	4.93 SU
1N HCl ID	TCLP 3260 Prep: 04/25/24 Exp: 10/25/24
Filter ID	Env Express / 400224-3264 D
Uncorrected Maximum Temperature	25.3 Degrees C
Maximum Temperature	24.3 Degrees C
Uncorrected Minimum Temperature	23.1 Degrees C
Minimum Temperature	22.1 Degrees C
Room Temperature during Rotation	22.4 Degrees C

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975266 Batch Start Date: 05/16/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 245.1 Batch End Date: 05/16/24 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04579	ME_DQCS-INT 04309		
ICV 460-975266/31		245.1, 7470A			30 mL	30 mL		1.5 mL		
CRI 460-975266/32		245.1, 7470A			30 mL	30 mL	0.06 mL			
CCV 460-975266/35		245.1, 7470A			30 mL	30 mL	1.5 mL			

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	235279(0.75 ml)
Sulfuric Acid Lot Number	231050(1.5 ml)
Potassium Permanganate ID	ME_potPermSol_00287(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00085(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF=1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	05/16/2024 11:00
Digestion End Time	05/16/2024 13:00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00271(1.8 ml)
Batch Comment	10% HCL 00221

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975279 Batch Start Date: 05/16/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 05/16/24 14:47

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_HG_TCLP 03514			
MB 460-975279/1		7470A, 7470A			30 mL	30 mL				
LCS 460-975279/2		7470A, 7470A			30 mL	30 mL	0.3 mL			
460-303825-B-2-E DU		7470A, 7470A		P	30 mL	30 mL				
460-303825-B-2-E MS		7470A, 7470A		P	30 mL	30 mL	0.3 mL			
460-303610-E-1-C	PL-C-4W-20240508-0.75-3.2	7470A, 7470A	Solid	P	30 mL	30 mL				
460-303610-E-2-B	PL-C-1W-20240508-0.75-4.1	7470A, 7470A	Solid	P	30 mL	30 mL				
460-303610-E-3-B	PL-C-5W-20240508-0.75-7.8	7470A, 7470A	Solid	P	30 mL	30 mL				
460-303610-E-4-B	PL-C-2W-20240508-1.7-7.4	7470A, 7470A	Solid	P	30 mL	30 mL				
460-303610-E-5-B	PL-C-3W-20240508-0.85-3.2	7470A, 7470A	Solid	P	30 mL	30 mL				
LB 460-975050/1-A		7470A, 7470A			30 mL	30 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975279 Batch Start Date: 05/16/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 05/16/24 14:47

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	235279(0.75 ml)
Sulfuric Acid ID	231050(1.5ml)
Potassium Permanganate ID	ME_potPermSol_00287(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00085(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	5/16/2024 13.00
Digestion End Time	5/16/2024 15.00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00271(1.8 ml)
Batch Comment	10% HCL 00221

Basis	Basis Description
P	TCLP

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974897 Batch Start Date: 05/15/24 01:59 Batch Analyst: Staib, Thomas

Batch Method: 7471B Batch End Date: 05/15/24 04:59

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04578	ME_LCSS_123 00003		
MB 460-974897/1		7471B, 7471B			0.60 g	50 mL				
LCSSRM 460-974897/2		7471B, 7471B			0.60 g	50 mL		0.6 g		
460-303630-A-1 DU		7471B, 7471B		T	0.63 g	50 mL				
460-303630-A-1 MS		7471B, 7471B		T	0.63 g	50 mL	0.5 mL			
460-303610-B-1	PL-C-4W-20240508-0.75-3.2	7471B, 7471B	Solid	T	0.65 g	50 mL				
460-303610-B-2	PL-C-1W-20240508-0.75-4.1	7471B, 7471B	Solid	T	0.63 g	50 mL				
460-303610-D-3	PL-C-5W-20240508-0.75-7.8	7471B, 7471B	Solid	T	0.66 g	50 mL				
460-303610-D-4	PL-C-2W-20240508-1.7-7.4	7471B, 7471B	Solid	T	0.63 g	50 mL				
460-303610-D-5	PL-C-3W-20240508-0.85-3.2	7471B, 7471B	Solid	T	0.68 g	50 mL				
460-303610-A-6	PL-C-3S-20240508-6.1-6.7	7471B, 7471B	Solid	T	0.63 g	50 mL				
460-303610-A-8	PL-C-1S-20240508-9.7-10.7	7471B, 7471B	Solid	T	0.64 g	50 mL				
460-303610-A-10	PL-C-4S-20240508-6.0-6.6	7471B, 7471B	Solid	T	0.67 g	50 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974897 Batch Start Date: 05/15/24 01:59 Batch Analyst: Staib, Thomas

Batch Method: 7471B Batch End Date: 05/15/24 04:59

Batch Notes	
Balance ID	#33
Digestion Tube/Cup ID	LV23120109-D-4059-IM (50ML Digi Tubes)
Pipette/Syringe/Dispenser ID	#100 AND #4
Analyst ID - Spike Analyst	TS
Hydrochloric Acid ID	231495 (4.5ML)
Nitric Acid ID	233426 (1.5ML)
Potassium Permanganate ID	ME_PotPermSol_00289 (15ML)
Digestion Unit ID	#12
Thermometer ID	Metals-8
Temperature - Uncorrected - Start	98 Uncorr Degrees C
Temperature - Corrected - Start	98 Corr Degrees C
Digestion Start Time	05/15/2024 04:10
Digestion End Time	05/15/2024 04:40
Temperature - Uncorrected - End	98 UNcorr Degrees C
Temperature - Corrected - End	98 Corr Degrees C
Hydroxylamine ID	ME_NACLHYDLHCL_00273 (6ML)
Batch Comment	ME_10%HCL_00222

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.

US EPA Tune Check Report

Operator Name	ediicpms4
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\NM051724.b
Acq. Date-Time	2024-05-17 09:46:20
Report Comment	EPA TUNE REPORT
Instrument Name	ICP-MS SG18143095

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	8596	85955.04	0.00		1.398	5.000
24	10.00	29434	294343.78	0.00		1.225	5.000
25	10.00	4084	40840.96	0.00		0.960	5.000
26	10.00	4886	48861.71	0.00		0.829	5.000
59	10.00	43821	438208.01	0.00		2.321	5.000
115	10.00	51851	518508.81	0.00		1.371	5.000
206	10.00	11031	110312.72	0.00		3.227	5.000
207	10.00	9570	95701.30	0.00		2.925	5.000
208	10.00	23372	233715.75	0.00		3.751	5.000

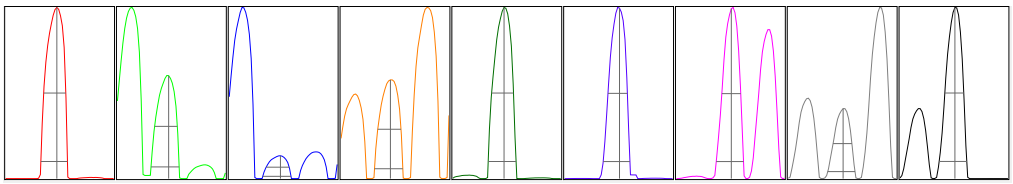
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	8415	8595	8579	8745	8644
24	28988	29253	29962	29436	29532
25	4048	4036	4119	4117	4100
26	4815	4892	4902	4916	4905
59	42249	43804	43665	44448	44938
115	50842	51432	52047	52589	52344
206	10540	10792	11158	11266	11400
207	9147	9467	9622	9742	9873
208	22023	23269	23415	23719	24431

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	15200.46	8.95	8.90 - 9.10	
24	51339.44	23.95	23.90 - 24.10	
25	6874.52	24.95	24.90 - 25.10	
26	8024.70	25.90	25.90 - 26.10	
59	78109.38	58.95	58.90 - 59.10	
115	99429.61	115.05	114.90 - 115.10	
206	21487.35	206.05	205.90 - 206.10	
207	18842.06	207.05	206.90 - 207.10	
208	46058.56	208.05	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.60	0.727	0.900	
24	0.62	0.770	0.900	
25	0.63	0.772	0.900	
26	0.63	0.774	0.900	
59	0.60	0.763	0.900	
115	0.53	0.731	0.900	
206	0.52	0.746	0.900	
207	0.51	0.746	0.900	
208	0.52	0.756	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.6 V	Deflect	12.0 V
Extract 2	-190.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	151	Axis Gain	1.0002	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	-0.08		

Hardware Settings

Torch

Torch H	1.2 mm	Torch V	-0.7 mm		

EM

Discriminator	3.6 mV	Analog HV	2170 V	Pulse HV	1174 V

Sample Report

File Name 001SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:22:17

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	74	He		ug/l		5000	
Se	78	74	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6282275.67	0.8		60	125	
Sc (ISICPMS)	45	No Gas	7405095.79	1.9		60	125	
Sc (ISICPMS)	45	H2	1936912.28	1.1		60	125	
Sc (ISICPMS)	45	He	90790.19	1.2		60	125	
Ge (IS)	74	H2	350918.29	1.6		60	125	
Ge (IS)	74	He	50367.33	1.3		60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122893.71	0.9		60	125	
Tb (IS)	159	He	593812.65	0.9		60	125	
Bi (IS)	209	He	402289.68	0.6		60	125	

Sample Report

File Name 002SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:24:44

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	74	He		ug/l		5000	
Se	78	74	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6286249.28	0.1		60	125	
Sc (ISICPMS)	45	No Gas	7375389.06	0.1		60	125	
Sc (ISICPMS)	45	H2	1968180.20	0.9		60	125	
Sc (ISICPMS)	45	He	91315.73	1.6		60	125	
Ge (IS)	74	H2	358704.23	1.1		60	125	
Ge (IS)	74	He	50196.45	0.7		60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122600.94	1.5		60	125	
Tb (IS)	159	He	595005.39	1.8		60	125	
Bi (IS)	209	He	407843.49	1.6		60	125	

Sample Report

File Name 003SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:27:12

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	74	He		ug/l		5000	
Se	78	74	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6281271.09	0.4		60	125	
Sc (ISICPMS)	45	No Gas	7326533.78	0.7		60	125	
Sc (ISICPMS)	45	H2	1991978.11	1.0		60	125	
Sc (ISICPMS)	45	He	91502.66	0.6		60	125	
Ge (IS)	74	H2	366446.97	0.8		60	125	
Ge (IS)	74	He	49905.36	1.1		60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123306.45	1.3		60	125	
Tb (IS)	159	He	605521.61	0.6		60	125	
Bi (IS)	209	He	409162.61	0.7		60	125	

Calibration Blank

File Name 004CALB.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:29:38

Sample Name **IC CAL-Blk**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	5.56	91.6
B	11	6	No Gas	5165.43	3.3
Na	23	45	He	27601.68	0.6
Mg	24	45	He	226.67	2.5
Al	27	45	He	77.78	10.8
K	39	45	He	5150.98	1.8
Ca	40	45	H2	83369.75	1.2
Ti	47	45	No Gas	2590.17	1.5
V	51	45	He	490.01	9.5
Cr	52	45	He	4944.25	1.5
Mn	55	45	He	88.89	20.7
Fe	56	45	H2	36862.93	0.7
Co	59	45	He	55.55	6.9
Ni	60	45	He	867.81	8.9
Cu	63	45	He	1090.05	3.4
Zn	66	45	He	1074.50	3.6
As	75	74	He	12.22	41.7
Se	78	74	H2	3.33	100.1
Sr	88	115	He	60.00	33.8
Mo	95	115	He	38.89	17.8
Ag	107	115	He	6.66	86.6
Cd	111	115	He	1.11	173.2
Sn	118	115	He	348.90	8.2
Sb	121	115	He	35.56	35.5
Ba	137	159	He	11.11	17.3
Tl	205	209	He	72.22	35.2
[Pb]	206	209	He	86.67	10.2
[Pb]	207	209	He	67.78	15.8
Pb	208	209	He	340.00	2.9

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	6787029.97	0.9	100.0
Sc (ISICPMS)	45	No Gas	7472168.57	0.8	100.0
Sc (ISICPMS)	45	H2	2076629.99	0.7	100.0
Sc (ISICPMS)	45	He	93299.09	0.4	100.0
Ge (IS)	74	H2	383361.76	0.8	100.0
Ge (IS)	74	He	51824.40	2.6	100.0
Kr	83	He	3.34	173.2	100.0

Calibration Blank

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
In-1	115	He	127749.93	0.8	100.0
Tb (IS)	159	He	622999.59	0.3	100.0
Bi (IS)	209	He	429902.27	0.7	100.0

Calibration Standard

File Name 005CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:32:39

Sample Name **IC CAL1**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	1525.65	6.0
B	11	6	No Gas	104066.16	0.5
Na	23	45	He	46794.62	0.8
Mg	24	45	He	8560.46	0.8
Al	27	45	He	524.46	7.6
K	39	45	He	9406.58	2.2
Ca	40	45	H2	343979.28	0.6
Ti	47	45	No Gas	5256.53	1.9
V	51	45	He	2359.11	5.2
Cr	52	45	He	7616.62	2.2
Mn	55	45	He	2083.50	6.9
Fe	56	45	H2	361631.89	0.3
Co	59	45	He	5461.13	1.4
Ni	60	45	He	2382.45	7.8
Cu	63	45	He	5377.76	2.3
Zn	66	45	He	2760.30	1.2
As	75	74	He	125.56	22.6
Se	78	74	H2	237.78	13.3
Sr	88	115	He	961.15	1.9
Mo	95	115	He	1852.36	0.7
Ag	107	115	He	3363.78	4.8
Cd	111	115	He	336.67	3.6
Sn	118	115	He	5116.59	2.9
Sb	121	115	He	713.36	2.6
Ba	137	159	He	454.45	8.2
Tl	205	209	He	2516.94	3.4
[Pb]	206	209	He	1294.52	1.9
[Pb]	207	209	He	1114.51	1.5
Pb	208	209	He	5220.47	2.9

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6804847.33	0.4	100.3	60	125	
Sc (ISICPMS)	45	No Gas	7540104.33	1.0	100.9	60	125	
Sc (ISICPMS)	45	H2	2089213.27	0.8	100.6	60	125	
Sc (ISICPMS)	45	He	92806.79	1.3	99.5	60	125	
Ge (IS)	74	H2	381741.57	1.3	99.6	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	51496.24	2.7	99.4	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	126688.81	0.6	99.2	60	125	
Tb (IS)	159	He	617778.25	0.5	99.2	60	125	
Bi (IS)	209	He	426354.20	0.8	99.2	60	125	

Calibration Standard

File Name 006CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:35:17

Sample Name **IC CAL2**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	7643.23	0.8
B	11	6	No Gas	501063.60	0.7
Na	23	45	He	122265.40	0.6
Mg	24	45	He	42306.25	1.8
Al	27	45	He	2112.39	5.1
K	39	45	He	25667.08	0.7
Ca	40	45	H2	1402613.66	0.6
Ti	47	45	No Gas	16205.13	1.4
V	51	45	He	10338.39	2.8
Cr	52	45	He	19069.97	0.8
Mn	55	45	He	10063.76	2.5
Fe	56	45	H2	1671559.66	0.8
Co	59	45	He	26445.74	0.9
Ni	60	45	He	8517.15	1.2
Cu	63	45	He	23194.23	1.0
Zn	66	45	He	9136.46	3.7
As	75	74	He	605.57	4.2
Se	78	74	H2	1176.73	6.4
Sr	88	115	He	4665.29	3.6
Mo	95	115	He	9130.95	1.1
Ag	107	115	He	17025.45	2.1
Cd	111	115	He	1709.01	3.5
Sn	118	115	He	23747.04	0.3
Sb	121	115	He	3643.86	3.6
Ba	137	159	He	2247.99	6.4
Tl	205	209	He	12329.48	1.8
[Pb]	206	209	He	5894.77	2.6
[Pb]	207	209	He	5332.28	2.3
Pb	208	209	He	24069.30	1.6

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6853764.13	0.2	101.0	60	125	
Sc (ISICPMS)	45	No Gas	7594903.36	1.2	101.6	60	125	
Sc (ISICPMS)	45	H2	2083525.51	1.0	100.3	60	125	
Sc (ISICPMS)	45	He	92061.82	0.9	98.7	60	125	
Ge (IS)	74	H2	383755.34	0.4	100.1	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	50538.22	1.5	97.5	60	125	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	126070.09	0.5	98.7	60	125	
Tb (IS)	159	He	615261.42	1.7	98.8	60	125	
Bi (IS)	209	He	419678.94	0.5	97.6	60	125	

Calibration Standard

File Name 007CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:37:57

Sample Name **IC CAL3**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	98606.30	1.3
B	11	6	No Gas	167451.05	0.4
Na	23	45	He	1202145.87	0.7
Mg	24	45	He	534503.52	1.0
Al	27	45	He	126566.43	1.1
K	39	45	He	267377.09	0.8
Ca	40	45	H2	16588265.31	2.5
Ti	47	45	No Gas	37916.78	1.1
V	51	45	He	25791.00	1.6
Cr	52	45	He	41059.07	0.8
Mn	55	45	He	13258.71	0.7
Fe	56	45	H2	34242293.93	2.6
Co	59	45	He	67728.38	0.6
Ni	60	45	He	20071.47	2.2
Cu	63	45	He	57673.78	0.1
Zn	66	45	He	14357.64	0.9
As	75	74	He	3134.83	2.0
Se	78	74	H2	4743.08	2.8
Sr	88	115	He	11856.41	1.2
Mo	95	115	He	23673.25	1.7
Ag	107	115	He	43805.66	1.4
Cd	111	115	He	8708.50	3.6
Sn	118	115	He	15189.93	2.0
Sb	121	115	He	18440.81	1.1
Ba	137	159	He	5841.36	1.6
Tl	205	209	He	155409.56	1.3
[Pb]	206	209	He	49565.25	0.8
[Pb]	207	209	He	43691.88	0.9
Pb	208	209	He	200378.46	0.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6806057.74	0.6	100.3	60	125	
Sc (ISICPMS)	45	No Gas	7530360.86	1.1	100.8	60	125	
Sc (ISICPMS)	45	H2	2114125.97	1.2	101.8	60	125	
Sc (ISICPMS)	45	He	93405.24	0.6	100.1	60	125	
Ge (IS)	74	H2	394998.03	1.7	103.0	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	53475.81	1.8	103.2	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	127177.01	0.9	99.6	60	125	
Tb (IS)	159	He	616844.30	0.8	99.0	60	125	
Bi (IS)	209	He	416310.99	0.4	96.8	60	125	

Calibration Standard

File Name 008CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:40:35

Sample Name **IC CAL4**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	201096.83	0.9
B	11	6	No Gas	333414.10	1.4
Na	23	45	He	2406473.30	0.9
Mg	24	45	He	1078127.15	0.6
Al	27	45	He	259238.42	1.3
K	39	45	He	543414.07	0.6
Ca	40	45	H2	34083212.27	1.4
Ti	47	45	No Gas	75521.98	0.5
V	51	45	He	52397.55	1.4
Cr	52	45	He	78782.69	1.0
Mn	55	45	He	26733.93	1.9
Fe	56	45	H2	69665972.29	1.6
Co	59	45	He	138029.86	0.2
Ni	60	45	He	40509.96	1.2
Cu	63	45	He	114931.86	1.2
Zn	66	45	He	28290.55	1.0
As	75	74	He	6419.34	2.3
Se	78	74	H2	9644.62	1.6
Sr	88	115	He	23677.65	2.1
Mo	95	115	He	48027.47	2.5
Ag	107	115	He	88225.27	0.7
Cd	111	115	He	17375.95	1.8
Sn	118	115	He	30693.55	1.1
Sb	121	115	He	37618.11	1.6
Ba	137	159	He	11922.19	2.7
Tl	205	209	He	314334.16	0.6
[Pb]	206	209	He	99154.61	0.8
[Pb]	207	209	He	88487.77	0.5
Pb	208	209	He	403640.31	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6797959.34	0.6	100.2	60	125	
Sc (ISICPMS)	45	No Gas	7671985.10	0.7	102.7	60	125	
Sc (ISICPMS)	45	H2	2112718.30	0.4	101.7	60	125	
Sc (ISICPMS)	45	He	94394.52	1.1	101.2	60	125	
Ge (IS)	74	H2	402271.09	0.4	104.9	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	54209.85	1.8	104.6	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	126839.38	1.1	99.3	60	125	
Tb (IS)	159	He	618442.96	0.7	99.3	60	125	
Bi (IS)	209	He	410297.55	0.9	95.4	60	125	

Calibration Standard

File Name 009CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:43:15

Sample Name **IC CAL5**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	386806.38	0.8
B	11	6	No Gas	644465.41	0.8
Na	23	45	He	4751231.67	0.9
Mg	24	45	He	2130095.61	0.6
Al	27	45	He	513262.88	0.4
K	39	45	He	1050647.02	0.3
Ca	40	45	H2	66491553.46	1.2
Ti	47	45	No Gas	144140.40	0.5
V	51	45	He	103362.46	0.4
Cr	52	45	He	151179.19	0.4
Mn	55	45	He	52452.39	0.5
Fe	56	45	H2	136196453.53	1.2
Co	59	45	He	270219.66	0.5
Ni	60	45	He	78637.90	0.9
Cu	63	45	He	227275.53	1.1
Zn	66	45	He	54674.95	0.6
As	75	74	He	12690.42	2.2
Se	78	74	H2	19271.60	3.9
Sr	88	115	He	47334.47	0.8
Mo	95	115	He	95674.78	0.5
Ag	107	115	He	172835.77	0.5
Cd	111	115	He	34835.88	1.0
Sn	118	115	He	60260.94	1.0
Sb	121	115	He	74047.21	1.0
Ba	137	159	He	23584.77	2.0
Tl	205	209	He	624045.96	1.3
[Pb]	206	209	He	196327.84	1.1
[Pb]	207	209	He	175111.77	0.8
Pb	208	209	He	799553.11	1.1

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6752881.56	1.2	99.5	60	125	
Sc (ISICPMS)	45	No Gas	7521562.32	1.0	100.7	60	125	
Sc (ISICPMS)	45	H2	2114876.10	1.2	101.8	60	125	
Sc (ISICPMS)	45	He	93498.29	0.6	100.2	60	125	
Ge (IS)	74	H2	407875.32	1.5	106.4	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	54577.97	1.1	105.3	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	126505.51	0.1	99.0	60	125	
Tb (IS)	159	He	619392.88	0.1	99.4	60	125	
Bi (IS)	209	He	408863.56	1.0	95.1	60	125	

Initial Calibration Verification (ICV)

File Name 010_ICV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:45:54

Sample Name **ICV**

Comment ---

Dilution 1.0000

Vial # 1201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	78.264	ug/l	1.1	80	72	88	
B	11	6	No Gas	201.811	ug/l	0.0	200	180	220	
Na	23	45	He	19885.394	ug/l	0.6	20000	18000	22000	
Mg	24	45	He	19705.476	ug/l	0.4	20000	18000	22000	
Al	27	45	He	19730.241	ug/l	0.7	20000	18000	22000	
K	39	45	He	19940.826	ug/l	0.9	20000	18000	22000	
Ca	40	45	H2	19695.086	ug/l	0.3	20000	18000	22000	
Ti	47	45	No Gas	80.339	ug/l	1.5	80	72	88	
V	51	45	He	78.268	ug/l	0.8	80	72	88	
Cr	52	45	He	78.523	ug/l	1.7	80	72	88	
Mn	55	45	He	80.332	ug/l	1.9	80	72	88	
Fe	56	45	H2	19801.913	ug/l	0.2	20000	18000	22000	
Co	59	45	He	79.446	ug/l	0.3	80	72	88	
Ni	60	45	He	80.460	ug/l	0.4	80	72	88	
Cu	63	45	He	79.779	ug/l	1.1	80	72	88	
Zn	66	45	He	198.956	ug/l	1.1	200	180	220	
As	75	74	He	78.762	ug/l	1.4	80	72	88	
Se	78	74	H2	80.337	ug/l	2.9	80	72	88	
Sr	88	115	He	78.455	ug/l	1.7	80	72	88	
Mo	95	115	He	78.858	ug/l	1.8	80	72	88	
Ag	107	115	He	39.825	ug/l	0.7	40	36	44	
Cd	111	115	He	80.476	ug/l	2.6	80	72	88	
Sn	118	115	He	79.394	ug/l	1.2	80	72	88	
Sb	121	115	He	78.617	ug/l	1.3	80	72	88	
Ba	137	159	He	80.375	ug/l	0.6	80	72	88	
Tl	205	209	He	79.041	ug/l	0.1	80	72	88	
[Pb]	206	209	He	79.182	ug/l	0.4				
[Pb]	207	209	He	78.651	ug/l	1.6				
Pb	208	209	He	79.366	ug/l	0.4	80	72	88	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6922192.95	1.4	102.0	60	125	
Sc (ISICPMS)	45	No Gas	7617888.92	0.5	102.0	60	125	
Sc (ISICPMS)	45	H2	2127665.59	0.8	102.5	60	125	
Sc (ISICPMS)	45	He	94563.50	0.4	101.4	60	125	
Ge (IS)	74	H2	400314.95	0.9	104.4	60	125	
Ge (IS)	74	He	54601.40	0.7	105.4	60	125	

Initial Calibration Verification (ICV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	128586.66	0.6	100.7	60	125	
Tb (IS)	159	He	621925.06	0.2	99.8	60	125	
Bi (IS)	209	He	415999.33	0.3	96.8	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 011_ICB.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:48:21

Sample Name **ICB**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.005	ug/l	88.6	0.4	-0.4	0.4	
B	11	6	No Gas	3.880	ug/l	1.5	20	-20	20	
Na	23	45	He	6.757	ug/l	81.3	250	-250	250	
Mg	24	45	He	0.003	ug/l	7428.9	100	-100	100	
Al	27	45	He	1.094	ug/l	405.9	20	-20	20	
K	39	45	He	-1.969	ug/l	N/A	100	-100	100	
Ca	40	45	H2	0.000	ug/l	1105091.6	250	-250	250	
Ti	47	45	No Gas	0.400	ug/l	8.7	2	-2	2	
V	51	45	He	-0.272	ug/l	N/A	2	-2	2	
Cr	52	45	He	0.029	ug/l	617.4	2	-2	2	
Mn	55	45	He	0.024	ug/l	451.1	4	-4	4	
Fe	56	45	H2	0.706	ug/l	26.4	30	-30	30	
Co	59	45	He	0.004	ug/l	95.7	2	-2	2	
Ni	60	45	He	-0.282	ug/l	N/A	2	-2	2	
Cu	63	45	He	-0.050	ug/l	N/A	2	-2	2	
Zn	66	45	He	-1.228	ug/l	N/A	8	-8	8	
As	75	74	He	-0.094	ug/l	N/A	1	-1	1	
Se	78	74	H2	0.036	ug/l	101.2	1.25	-1.25	1.25	
Sr	88	115	He	-0.122	ug/l	N/A	2	-2	2	
Mo	95	115	He	0.015	ug/l	113.1	2	-2	2	
Ag	107	115	He	0.004	ug/l	51.2	1	-1	1	
Cd	111	115	He	0.006	ug/l	351.2	1	-1	1	
Sn	118	115	He	0.009	ug/l	829.8	8	-8	8	
Sb	121	115	He	0.029	ug/l	161.7	1	-1	1	
Ba	137	159	He	0.288	ug/l	5.6	2	-2	2	
Tl	205	209	He	0.019	ug/l	23.9	0.4	-0.4	0.4	
[Pb]	206	209	He	0.034	ug/l	94.2				
[Pb]	207	209	He	0.015	ug/l	76.7				
Pb	208	209	He	0.017	ug/l	43.4	0.6	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6813408.92	1.0	100.4	60	125	
Sc (ISICPMS)	45	No Gas	7652868.29	1.4	102.4	60	125	
Sc (ISICPMS)	45	H2	2134326.74	0.9	102.8	60	125	
Sc (ISICPMS)	45	He	94637.76	1.1	101.4	60	125	
Ge (IS)	74	H2	390451.40	0.4	101.8	60	125	
Ge (IS)	74	He	53207.63	0.7	102.7	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	128705.09	0.8	100.7	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	625378.26	0.1	100.4	60	125	
Bi (IS)	209	He	426502.86	0.3	99.2	60	125	

CRQL Check Standard (CRI)

File Name 012_CRI.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:50:47

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.712	ug/l	5.6	0.8	0.4	1.2	
B	11	6	No Gas	78.733	ug/l	1.0	80	40	120	
Na	23	45	He	201.545	ug/l	2.4	200	100	300	
Mg	24	45	He	199.204	ug/l	1.6	200	100	300	
Al	27	45	He	39.993	ug/l	7.2	40	20	60	
K	39	45	He	205.329	ug/l	0.6	200	100	300	
Ca	40	45	H2	195.980	ug/l	1.0	200	100	300	
Ti	47	45	No Gas	4.224	ug/l	1.9	4	2	6	
V	51	45	He	3.659	ug/l	4.1	4	2	6	
Cr	52	45	He	4.067	ug/l	7.3	4	2	6	
Mn	55	45	He	7.483	ug/l	4.1	8	4	12	
Fe	56	45	H2	119.268	ug/l	1.2	120	60	180	
Co	59	45	He	3.940	ug/l	2.1	4	2	6	
Ni	60	45	He	3.738	ug/l	4.4	4	2	6	
Cu	63	45	He	3.772	ug/l	3.4	4	2	6	
Zn	66	45	He	15.631	ug/l	1.9	16	8	24	
As	75	74	He	1.619	ug/l	5.6	2	1	3	
Se	78	74	H2	2.498	ug/l	10.8	2.5	1.25	3.75	
Sr	88	115	He	3.596	ug/l	3.5	4	2	6	
Mo	95	115	He	4.053	ug/l	4.6	4	2	6	
Ag	107	115	He	1.972	ug/l	1.4	2	1	3	
Cd	111	115	He	1.954	ug/l	7.0	2	1	3	
Sn	118	115	He	15.372	ug/l	0.5	16	8	24	
Sb	121	115	He	1.934	ug/l	4.0	2	1	3	
Ba	137	159	He	4.136	ug/l	10.9	4	2	6	
Tl	205	209	He	0.791	ug/l	4.1	0.8	0.4	1.2	
[Pb]	206	209	He	1.184	ug/l	4.3				
[Pb]	207	209	He	1.132	ug/l	8.4				
Pb	208	209	He	1.157	ug/l	3.8	1.2	0.6	1.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	7012592.81	0.5	103.3	60	125	
Sc (ISICPMS)	45	No Gas	7650556.07	1.5	102.4	60	125	
Sc (ISICPMS)	45	H2	2120149.53	0.7	102.1	60	125	
Sc (ISICPMS)	45	He	94032.74	0.6	100.8	60	125	
Ge (IS)	74	H2	386533.20	0.2	100.8	60	125	
Ge (IS)	74	He	52383.82	1.2	101.1	60	125	

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	128595.80	0.8	100.7	60	125	
Tb (IS)	159	He	617019.26	0.8	99.0	60	125	
Bi (IS)	209	He	422665.48	0.8	98.3	60	125	

Interference Check Standard-A (ICSA)

File Name 013ICSA.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:53:15

Sample Name **ICSA 11747949**

Comment ---

Dilution 1.0000

Multiquant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.008	ug/l	22.2	0.8	-1.6	1.6	
B	11	6	No Gas	2.788	ug/l	7.0	80	-160	160	
Na	23	45	He	100454.571	ug/l	1.6	100000	80000	120000	
Mg	24	45	He	99016.582	ug/l	1.4	100000	80000	120000	
Al	27	45	He	100758.064	ug/l	1.9	100000	80000	120000	
K	39	45	He	100685.539	ug/l	1.3	100000	80000	120000	
Ca	40	45	H2	101024.531	ug/l	0.3	100000	80000	120000	
Ti	47	45	No Gas	2083.575	ug/l	0.5	2000	1600	2400	
V	51	45	He	-0.284	ug/l	N/A	4	-8	8	
Cr	52	45	He	0.478	ug/l	41.5	4	-8	8	
Mn	55	45	He	0.746	ug/l	19.5	8	-16	16	
Fe	56	45	H2	100652.831	ug/l	0.9	100000	80000	120000	
Co	59	45	He	0.342	ug/l	0.6	4	-8	8	
Ni	60	45	He	0.081	ug/l	17.2	4	-8	8	
Cu	63	45	He	0.169	ug/l	49.2	4	-8	8	
Zn	66	45	He	1.777	ug/l	22.3	16	-32	32	
As	75	74	He	0.003	ug/l	1787.9	2	-4	4	
Se	78	74	H2	0.100	ug/l	32.2	2.5	-5	5	
Sr	88	115	He	0.695	ug/l	23.4	4	-8	8	
Mo	95	115	He	2072.189	ug/l	0.5	2000	-4000	4000	
Ag	107	115	He	0.036	ug/l	9.1	2	-4	4	
Cd	111	115	He	0.302	ug/l	35.5	2	-4	4	
Sn	118	115	He	0.229	ug/l	74.8	16	-32	32	
Sb	121	115	He	0.157	ug/l	52.6	2	-4	4	
Ba	137	159	He	1.019	ug/l	10.4	4	-8	8	
Tl	205	209	He	0.007	ug/l	55.4	0.8	-1.6	1.6	
[Pb]	206	209	He	0.222	ug/l	13.0				
[Pb]	207	209	He	0.191	ug/l	15.8				
Pb	208	209	He	0.192	ug/l	2.0	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6617880.46	1.0	97.5	60	125	
Sc (ISICPMS)	45	No Gas	7488803.85	0.6	100.2	60	125	
Sc (ISICPMS)	45	H2	2088841.27	0.2	100.6	60	125	
Sc (ISICPMS)	45	He	92819.51	1.3	99.5	60	125	
Ge (IS)	74	H2	410202.01	1.5	107.0	60	125	
Ge (IS)	74	He	56132.21	0.7	108.3	60	125	

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	123238.84	0.5	96.5	60	125	
Tb (IS)	159	He	608454.79	0.5	97.7	60	125	
Bi (IS)	209	He	393240.81	1.6	91.5	60	125	

Interference Check Standard-AB (ICSAB)

File Name 014ICSB.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:55:44

Sample Name **ICSAB 11747951**

Comment ---

Dilution 1.0000

Full Quant Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	192.575	ug/l	0.9	200	-400	400	
B	11	6	No Gas	2.546	ug/l	6.6				
Na	23	45	He	100367.096	ug/l	0.8	100000	80000	120000	
Mg	24	45	He	98284.052	ug/l	0.5	100000	80000	120000	
Al	27	45	He	100188.384	ug/l	0.9	100000	80000	120000	
K	39	45	He	99490.921	ug/l	0.4	100000	80000	120000	
Ca	40	45	H2	99638.157	ug/l	1.8	100000	80000	120000	
Ti	47	45	No Gas	2102.022	ug/l	1.4	2000	1600	2400	
V	51	45	He	196.849	ug/l	0.6	200	160	240	
Cr	52	45	He	195.884	ug/l	0.1	200	160	240	
Mn	55	45	He	187.179	ug/l	0.5	200	160	240	
Fe	56	45	H2	101441.517	ug/l	1.9	100000	80000	120000	
Co	59	45	He	196.491	ug/l	0.6	200	160	240	
Ni	60	45	He	198.562	ug/l	0.8	200	160	240	
Cu	63	45	He	193.954	ug/l	0.4	200	160	240	
Zn	66	45	He	202.335	ug/l	0.7	200	160	240	
As	75	74	He	188.886	ug/l	3.4	200	160	240	
Se	78	74	H2	194.486	ug/l	3.2	200	160	240	
Sr	88	115	He	194.062	ug/l	1.5	200	-400	400	
Mo	95	115	He	2067.947	ug/l	0.9	2000	1600	2400	
Ag	107	115	He	197.569	ug/l	1.1	200	160	240	
Cd	111	115	He	199.774	ug/l	0.9	200	160	240	
Sn	118	115	He	201.406	ug/l	1.3	200	-400	400	
Sb	121	115	He	100.370	ug/l	0.8	100	-200	200	
Ba	137	159	He	199.400	ug/l	0.5	200	-400	400	
Tl	205	209	He	100.722	ug/l	0.7	100	-200	200	
[Pb]	206	209	He	204.345	ug/l	0.6				
[Pb]	207	209	He	199.853	ug/l	1.2				
Pb	208	209	He	201.172	ug/l	0.1	200	-400	400	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6580475.80	0.4	97.0	60	125	
Sc (ISICPMS)	45	No Gas	7609705.02	1.1	101.8	60	125	
Sc (ISICPMS)	45	H2	2112974.93	0.4	101.8	60	125	
Sc (ISICPMS)	45	He	93144.79	0.5	99.8	60	125	
Ge (IS)	74	H2	412978.03	0.4	107.7	60	125	
Ge (IS)	74	He	56296.56	1.2	108.6	60	125	

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	124427.71	0.5	97.4	60	125	
Tb (IS)	159	He	608334.86	0.3	97.6	60	125	
Bi (IS)	209	He	396036.60	1.0	92.1	60	125	

Linear Range Check (LRC)

File Name 015LRCA.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 10:58:13

Sample Name **LRC 11747976**

Comment LRC-A

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	1983.164	ug/l	1.5	2000	1800	2200	
B	11	6	No Gas	1.371	ug/l	14.0				
Na	23	45	He	54.931	ug/l	2.0				
Mg	24	45	He	15.251	ug/l	3.6				
Al	27	45	He	30.533	ug/l	11.7				
K	39	45	He	45.813	ug/l	27.8				
Ca	40	45	H2	18.472	ug/l	2.0				
Ti	47	45	No Gas	0.916	ug/l	10.4				
V	51	45	He	5129.408	ug/l	0.9	5000	4500	5500	
Cr	52	45	He	21051.174	ug/l	0.5	20000	18000	22000	
Mn	55	45	He	20359.444	ug/l	0.5	20000	18000	22000	
Fe	56	45	H2	30.847	ug/l	1.0				
Co	59	45	He	2124.927	ug/l	0.4	2000	1800	2200	
Ni	60	45	He	21724.060	ug/l	1.2	20000	18000	22000	
Cu	63	45	He	21292.718	ug/l	1.0	20000	18000	22000	
Zn	66	45	He	21183.366	ug/l	0.7	20000	18000	22000	
As	75	74	He	5081.574	ug/l	0.9	5000	4500	5500	
Se	78	74	H2	0.051	ug/l	169.7				
Sr	88	115	He	4834.855	ug/l	1.9	5000	4500	5500	
Mo	95	115	He	2010.725	ug/l	0.8	2000	1800	2200	
Ag	107	115	He	0.058	ug/l	21.3				
Cd	111	115	He	5055.217	ug/l	1.3	5000	4500	5500	
Sn	118	115	He	0.098	ug/l	63.2				
Sb	121	115	He	0.268	ug/l	17.0				
Ba	137	159	He	19840.171	ug/l	0.3	20000	18000	22000	
Tl	205	209	He	970.563	ug/l	1.2	1000	900	1100	
[Pb]	206	209	He	19734.063	ug/l	0.3				
[Pb]	207	209	He	19406.841	ug/l	0.7				
Pb	208	209	He	19563.392	ug/l	0.5	20000	18000	22000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6540243.86	1.0	96.4	60	125	
Sc (ISICPMS)	45	No Gas	7545224.40	0.2	101.0	60	125	
Sc (ISICPMS)	45	H2	1993053.81	0.7	96.0	60	125	
Sc (ISICPMS)	45	He	85273.04	0.5	91.4	60	125	
Ge (IS)	74	H2	375511.60	0.8	98.0	60	125	
Ge (IS)	74	He	50732.33	0.4	97.9	60	125	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	119967.57	0.6	93.9	60	125	
Tb (IS)	159	He	595771.02	0.6	95.6	60	125	
Bi (IS)	209	He	412572.00	0.7	96.0	60	125	

Linear Range Check (LRC)

File Name 016LRCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:00:40

Sample Name **LRC 11518844**

Comment LRC-B

Dilution 1.0000

Vial # 4511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.116	ug/l	19.7				
B	11	6	No Gas	3.727	ug/l	1.7				
Na	23	45	He	480093.216	ug/l	0.9	500000	450000	550000	
Mg	24	45	He	471721.540	ug/l	1.0	500000	450000	550000	
Al	27	45	He	495607.839	ug/l	0.5	500000	450000	550000	
K	39	45	He	491303.982	ug/l	0.9	500000	450000	550000	
Ca	40	45	H2	75.596	ug/l	0.1				
Ti	47	45	No Gas	0.746	ug/l	7.4				
V	51	45	He	0.393	ug/l	26.5				
Cr	52	45	He	3.481	ug/l	6.1				
Mn	55	45	He	5.457	ug/l	10.1				
Fe	56	45	H2	489802.991	ug/l	1.4	500000	450000	550000	
Co	59	45	He	1.968	ug/l	4.5				
Ni	60	45	He	2.781	ug/l	9.4				
Cu	63	45	He	1.533	ug/l	2.7				
Zn	66	45	He	4.571	ug/l	9.3				
As	75	74	He	0.703	ug/l	25.2				
Se	78	74	H2	0.200	ug/l	71.1				
Sr	88	115	He	0.727	ug/l	19.8				
Mo	95	115	He	1.097	ug/l	9.8				
Ag	107	115	He	0.134	ug/l	0.8				
Cd	111	115	He	0.285	ug/l	19.5				
Sn	118	115	He	0.312	ug/l	54.5				
Sb	121	115	He	1.180	ug/l	5.9				
Ba	137	159	He	13.543	ug/l	5.9				
Tl	205	209	He	0.207	ug/l	3.0				
[Pb]	206	209	He	2.679	ug/l	2.3				
[Pb]	207	209	He	2.651	ug/l	2.9				
Pb	208	209	He	2.637	ug/l	3.5				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6235318.80	1.0	91.9	60	125	
Sc (ISICPMS)	45	No Gas	7466083.29	0.3	99.9	60	125	
Sc (ISICPMS)	45	H2	2135921.46	0.3	102.9	60	125	
Sc (ISICPMS)	45	He	96555.76	0.8	103.5	60	125	
Ge (IS)	74	H2	394991.11	0.5	103.0	60	125	
Ge (IS)	74	He	55844.37	0.6	107.8	60	125	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	124499.04	1.5	97.5	60	125	
Tb (IS)	159	He	608297.70	0.4	97.6	60	125	
Bi (IS)	209	He	381691.61	0.5	88.8	60	125	

Linear Range Check (LRC)

File Name 017LRCC.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:03:09

Sample Name **LRC 11546148**

Comment LRC-C

Dilution 1.0000

Vial # 4512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.099	ug/l	10.5				
B	11	6	No Gas	1998.893	ug/l	0.8	2000	1800	2200	
Na	23	45	He	99.322	ug/l	4.4				
Mg	24	45	He	106.532	ug/l	4.6				
Al	27	45	He	35.065	ug/l	9.5				
K	39	45	He	72.557	ug/l	9.1				
Ca	40	45	H2	1029098.949	ug/l	0.2	1000000	900000	1100000	
Ti	47	45	No Gas	10194.737	ug/l	0.9	10000	9000	11000	
V	51	45	He	0.146	ug/l	57.4				
Cr	52	45	He	0.996	ug/l	18.9				
Mn	55	45	He	1.563	ug/l	15.6				
Fe	56	45	H2	41.670	ug/l	1.9				
Co	59	45	He	0.339	ug/l	13.4				
Ni	60	45	He	1.447	ug/l	14.1				
Cu	63	45	He	1.892	ug/l	4.9				
Zn	66	45	He	2.021	ug/l	20.5				
As	75	74	He	0.535	ug/l	24.9				
Se	78	74	H2	2935.316	ug/l	1.5	3000	2700	3300	
Sr	88	115	He	10.606	ug/l	1.6				
Mo	95	115	He	0.408	ug/l	10.6				
Ag	107	115	He	1013.031	ug/l	0.8	1000	900	1100	
Cd	111	115	He	0.183	ug/l	51.1				
Sn	118	115	He	2060.205	ug/l	1.1	2000	1800	2200	
Sb	121	115	He	1032.371	ug/l	1.1	1000	900	1100	
Ba	137	159	He	1.653	ug/l	17.4				
Tl	205	209	He	0.077	ug/l	7.2				
[Pb]	206	209	He	1.225	ug/l	4.1				
[Pb]	207	209	He	1.257	ug/l	14.8				
Pb	208	209	He	1.238	ug/l	4.0				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6574522.54	1.1	96.9	60	125	
Sc (ISICPMS)	45	No Gas	7501185.10	0.4	100.4	60	125	
Sc (ISICPMS)	45	H2	2147071.58	0.9	103.4	60	125	
Sc (ISICPMS)	45	He	95421.67	0.3	102.3	60	125	
Ge (IS)	74	H2	405767.76	1.4	105.8	60	125	
Ge (IS)	74	He	55737.33	1.5	107.6	60	125	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	127610.89	0.7	99.9	60	125	
Tb (IS)	159	He	622484.42	0.3	99.9	60	125	
Bi (IS)	209	He	409565.68	0.5	95.3	60	125	

Sample Report

File Name 018SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:05:37

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	51.1	2000	
B	11	6	No Gas	13.137	ug/l	2.8	2000	
Na	23	45	He	29.412	ug/l	14.0	500000	
Mg	24	45	He	4.557	ug/l	23.7	500000	
Al	27	45	He	2.795	ug/l	18.9	500000	
K	39	45	He	43.244	ug/l	13.8	500000	
Ca	40	45	H2	33.977	ug/l	5.2	1000000	
Ti	47	45	No Gas	0.658	ug/l	17.9	10000	
V	51	45	He	-0.182	ug/l	N/A	5000	
Cr	52	45	He	0.018	ug/l	1305.1	20000	
Mn	55	45	He	0.180	ug/l	45.4	20000	
Fe	56	45	H2	4.461	ug/l	4.1	500000	
Co	59	45	He	0.021	ug/l	18.3	2000	
Ni	60	45	He	-0.013	ug/l	N/A	20000	
Cu	63	45	He	0.321	ug/l	8.9	20000	
Zn	66	45	He	1.071	ug/l	66.2	20000	
As	75	74	He	0.125	ug/l	208.7	5000	
Se	78	74	H2	0.518	ug/l	26.2	3000	
Sr	88	115	He	-0.041	ug/l	N/A	5000	
Mo	95	115	He	0.048	ug/l	71.8	2000	
Ag	107	115	He	0.031	ug/l	14.7	1000	
Cd	111	115	He	0.029	ug/l	0.8	5000	
Sn	118	115	He	0.420	ug/l	25.9	2000	
Sb	121	115	He	0.050	ug/l	106.0	1000	
Ba	137	159	He	0.477	ug/l	13.6	20000	
Tl	205	209	He	0.000	ug/l	N/A	1000	
[Pb]	206	209	He	0.385	ug/l	17.5		
[Pb]	207	209	He	0.334	ug/l	15.4		
Pb	208	209	He	0.338	ug/l	5.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6941262.95	2.1	102.3	60	125	
Sc (ISICPMS)	45	No Gas	8219933.14	0.3	110.0	60	125	
Sc (ISICPMS)	45	H2	2242414.08	1.3	108.0	60	125	
Sc (ISICPMS)	45	He	98415.40	0.9	105.5	60	125	
Ge (IS)	74	H2	405618.65	1.0	105.8	60	125	
Ge (IS)	74	He	55606.28	0.9	107.3	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135682.65	0.7	106.2	60	125	
Tb (IS)	159	He	638195.82	0.7	102.4	60	125	
Bi (IS)	209	He	439555.59	0.8	102.2	60	125	

Sample Report

File Name 019SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:08:04

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	33.9	2000	
B	11	6	No Gas	6.499	ug/l	4.3	2000	
Na	23	45	He	17.470	ug/l	48.6	500000	
Mg	24	45	He	2.775	ug/l	12.7	500000	
Al	27	45	He	2.126	ug/l	75.7	500000	
K	39	45	He	40.834	ug/l	47.0	500000	
Ca	40	45	H2	13.816	ug/l	6.7	1000000	
Ti	47	45	No Gas	0.435	ug/l	8.7	10000	
V	51	45	He	-0.152	ug/l	N/A	5000	
Cr	52	45	He	0.041	ug/l	394.7	20000	
Mn	55	45	He	0.161	ug/l	35.9	20000	
Fe	56	45	H2	3.037	ug/l	4.2	500000	
Co	59	45	He	0.019	ug/l	29.1	2000	
Ni	60	45	He	0.299	ug/l	39.6	20000	
Cu	63	45	He	0.229	ug/l	19.2	20000	
Zn	66	45	He	1.591	ug/l	29.3	20000	
As	75	74	He	0.066	ug/l	145.7	5000	
Se	78	74	H2	0.141	ug/l	66.4	3000	
Sr	88	115	He	-0.056	ug/l	N/A	5000	
Mo	95	115	He	0.023	ug/l	113.1	2000	
Ag	107	115	He	0.025	ug/l	14.3	1000	
Cd	111	115	He	0.019	ug/l	116.4	5000	
Sn	118	115	He	0.389	ug/l	17.1	2000	
Sb	121	115	He	-0.011	ug/l	N/A	1000	
Ba	137	159	He	0.305	ug/l	18.8	20000	
Tl	205	209	He	0.000	ug/l	N/A	1000	
[Pb]	206	209	He	0.246	ug/l	9.9		
[Pb]	207	209	He	0.236	ug/l	3.7		
Pb	208	209	He	0.224	ug/l	9.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6869922.74	0.7	101.2	60	125	
Sc (ISICPMS)	45	No Gas	7971277.10	0.1	106.7	60	125	
Sc (ISICPMS)	45	H2	2211336.15	0.7	106.5	60	125	
Sc (ISICPMS)	45	He	95912.49	1.5	102.8	60	125	
Ge (IS)	74	H2	396702.82	0.6	103.5	60	125	
Ge (IS)	74	He	53670.24	1.9	103.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130540.25	0.9	102.2	60	125	
Tb (IS)	159	He	631635.77	0.7	101.4	60	125	
Bi (IS)	209	He	433007.77	1.0	100.7	60	125	

Sample Report

File Name 020SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:10:31

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	24.6	2000	
B	11	6	No Gas	4.199	ug/l	3.1	2000	
Na	23	45	He	15.493	ug/l	27.4	500000	
Mg	24	45	He	1.919	ug/l	30.7	500000	
Al	27	45	He	2.693	ug/l	51.5	500000	
K	39	45	He	34.389	ug/l	20.4	500000	
Ca	40	45	H2	11.307	ug/l	7.1	1000000	
Ti	47	45	No Gas	0.362	ug/l	9.5	10000	
V	51	45	He	-0.175	ug/l	N/A	5000	
Cr	52	45	He	0.025	ug/l	612.4	20000	
Mn	55	45	He	0.121	ug/l	64.8	20000	
Fe	56	45	H2	2.784	ug/l	14.8	500000	
Co	59	45	He	0.013	ug/l	158.6	2000	
Ni	60	45	He	0.163	ug/l	21.6	20000	
Cu	63	45	He	0.091	ug/l	78.1	20000	
Zn	66	45	He	0.552	ug/l	112.7	20000	
As	75	74	He	-0.113	ug/l	N/A	5000	
Se	78	74	H2	0.130	ug/l	16.0	3000	
Sr	88	115	He	-0.059	ug/l	N/A	5000	
Mo	95	115	He	0.045	ug/l	108.0	2000	
Ag	107	115	He	0.016	ug/l	60.2	1000	
Cd	111	115	He	0.006	ug/l	176.5	5000	
Sn	118	115	He	0.237	ug/l	73.6	2000	
Sb	121	115	He	-0.010	ug/l	N/A	1000	
Ba	137	159	He	0.326	ug/l	22.8	20000	
Tl	205	209	He	-0.005	ug/l	N/A	1000	
[Pb]	206	209	He	0.186	ug/l	24.6		
[Pb]	207	209	He	0.167	ug/l	10.2		
Pb	208	209	He	0.174	ug/l	7.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6813401.64	1.1	100.4	60	125	
Sc (ISICPMS)	45	No Gas	7921898.15	0.4	106.0	60	125	
Sc (ISICPMS)	45	H2	2197309.48	0.3	105.8	60	125	
Sc (ISICPMS)	45	He	94532.02	1.0	101.3	60	125	
Ge (IS)	74	H2	395252.77	0.3	103.1	60	125	
Ge (IS)	74	He	53294.91	1.4	102.8	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129179.44	0.5	101.1	60	125	
Tb (IS)	159	He	625171.89	0.2	100.3	60	125	
Bi (IS)	209	He	426727.03	0.4	99.3	60	125	

Sample Report

File Name 021SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:12:58

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	28.7	2000	
B	11	6	No Gas	2.922	ug/l	5.2	2000	
Na	23	45	He	16.967	ug/l	26.3	500000	
Mg	24	45	He	5.771	ug/l	82.3	500000	
Al	27	45	He	4.911	ug/l	56.5	500000	
K	39	45	He	39.955	ug/l	10.2	500000	
Ca	40	45	H2	12.933	ug/l	12.7	1000000	
Ti	47	45	No Gas	0.323	ug/l	49.4	10000	
V	51	45	He	-0.249	ug/l	N/A	5000	
Cr	52	45	He	0.091	ug/l	205.4	20000	
Mn	55	45	He	4.983	ug/l	171.1	20000	
Fe	56	45	H2	5.480	ug/l	18.0	500000	
Co	59	45	He	0.031	ug/l	73.6	2000	
Ni	60	45	He	1.249	ug/l	178.1	20000	
Cu	63	45	He	0.123	ug/l	49.2	20000	
Zn	66	45	He	1.197	ug/l	44.4	20000	
As	75	74	He	0.146	ug/l	42.5	5000	
Se	78	74	H2	0.083	ug/l	65.0	3000	
Sr	88	115	He	-0.043	ug/l	N/A	5000	
Mo	95	115	He	0.046	ug/l	70.5	2000	
Ag	107	115	He	0.020	ug/l	26.7	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.198	ug/l	59.4	2000	
Sb	121	115	He	0.006	ug/l	326.1	1000	
Ba	137	159	He	0.345	ug/l	4.7	20000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
[Pb]	206	209	He	0.143	ug/l	18.7		
[Pb]	207	209	He	0.181	ug/l	15.9		
Pb	208	209	He	0.168	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6809036.15	1.3	100.3	60	125	
Sc (ISICPMS)	45	No Gas	7803075.72	0.5	104.4	60	125	
Sc (ISICPMS)	45	H2	2166967.24	1.4	104.4	60	125	
Sc (ISICPMS)	45	He	94737.13	0.4	101.5	60	125	
Ge (IS)	74	H2	390389.33	0.6	101.8	60	125	
Ge (IS)	74	He	52213.11	0.8	100.8	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128101.60	0.3	100.3	60	125	
Tb (IS)	159	He	623635.96	1.0	100.1	60	125	
Bi (IS)	209	He	427813.31	0.3	99.5	60	125	

Continuing Calibration Verification (CCV)

File Name 022_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:15:25

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	95.157	ug/l	2.8	100	90	110	
B	11	6	No Gas	247.378	ug/l	1.5	250	225	275	
Na	23	45	He	25249.912	ug/l	1.3	25000	22500	27500	
Mg	24	45	He	25083.438	ug/l	0.9	25000	22500	27500	
Al	27	45	He	24185.670	ug/l	1.4	25000	22500	27500	
K	39	45	He	24825.143	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	24975.632	ug/l	0.7	25000	22500	27500	
Ti	47	45	No Gas	97.659	ug/l	1.0	100	90	110	
V	51	45	He	98.225	ug/l	1.6	100	90	110	
Cr	52	45	He	98.474	ug/l	1.5	100	90	110	
Mn	55	45	He	99.029	ug/l	1.3	100	90	110	
Fe	56	45	H2	25279.560	ug/l	0.4	25000	22500	27500	
Co	59	45	He	99.319	ug/l	1.5	100	90	110	
Ni	60	45	He	98.735	ug/l	1.7	100	90	110	
Cu	63	45	He	98.668	ug/l	2.0	100	90	110	
Zn	66	45	He	245.087	ug/l	2.1	250	225	275	
As	75	74	He	98.383	ug/l	0.7	100	90	110	
Se	78	74	H2	99.878	ug/l	0.8	100	90	110	
Sr	88	115	He	97.798	ug/l	1.4	100	90	110	
Mo	95	115	He	99.611	ug/l	1.5	100	90	110	
Ag	107	115	He	50.241	ug/l	1.2	50	45	55	
Cd	111	115	He	98.482	ug/l	1.7	100	90	110	
Sn	118	115	He	100.928	ug/l	0.7	100	90	110	
Sb	121	115	He	98.365	ug/l	1.3	100	90	110	
Ba	137	159	He	99.293	ug/l	1.2	100	90	110	
Tl	205	209	He	99.745	ug/l	1.3	100	90	110	
[Pb]	206	209	He	99.336	ug/l	0.8				
[Pb]	207	209	He	99.705	ug/l	1.8				
Pb	208	209	He	99.116	ug/l	0.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6864549.27	1.7	101.1	60	125	
Sc (ISICPMS)	45	No Gas	7770417.94	1.1	104.0	60	125	
Sc (ISICPMS)	45	H2	2132765.92	0.5	102.7	60	125	
Sc (ISICPMS)	45	He	94993.94	0.6	101.8	60	125	
Ge (IS)	74	H2	398420.68	0.4	103.9	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	55056.71	1.6	106.2	60	125	
Kr	83	He	10.01	100.0	300.0			
In-1	115	He	127320.64	0.9	99.7	60	125	
Tb (IS)	159	He	615580.81	0.4	98.8	60	125	
Bi (IS)	209	He	415227.17	0.8	96.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 023_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:17:52

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.010	ug/l	107.6	0.8	-0.8	0.8	
B	11	6	No Gas	3.370	ug/l	8.0	40	-40	40	
Na	23	45	He	6.188	ug/l	70.0	500	-500	500	
Mg	24	45	He	0.786	ug/l	48.5	200	-200	200	
Al	27	45	He	3.453	ug/l	52.3	40	-40	40	
K	39	45	He	22.093	ug/l	29.7	200	-200	200	
Ca	40	45	H2	1.080	ug/l	43.5	500	-500	500	
Ti	47	45	No Gas	0.343	ug/l	9.6	4	-4	4	
V	51	45	He	-0.274	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.066	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.014	ug/l	683.3	8	-8	8	
Fe	56	45	H2	1.672	ug/l	20.0	60	-60	60	
Co	59	45	He	0.012	ug/l	133.0	4	-4	4	
Ni	60	45	He	0.071	ug/l	346.5	4	-4	4	
Cu	63	45	He	-0.031	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.661	ug/l	N/A	16	-16	16	
As	75	74	He	-0.078	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.119	ug/l	35.9	2.5	-2.5	2.5	
Sr	88	115	He	-0.085	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.050	ug/l	97.0	4	-4	4	
Ag	107	115	He	0.008	ug/l	53.2	2	-2	2	
Cd	111	115	He	-0.006	ug/l	0.0	2	-2	2	
Sn	118	115	He	0.112	ug/l	87.5	16	-16	16	
Sb	121	115	He	0.029	ug/l	33.0	2	-2	2	
Ba	137	159	He	0.335	ug/l	16.9	4	-4	4	
Tl	205	209	He	0.004	ug/l	52.9	0.8	-0.8	0.8	
[Pb]	206	209	He	0.075	ug/l	31.6				
[Pb]	207	209	He	0.089	ug/l	30.6				
Pb	208	209	He	0.100	ug/l	6.7	1.2	-1.2	1.2	

ISTD Table:

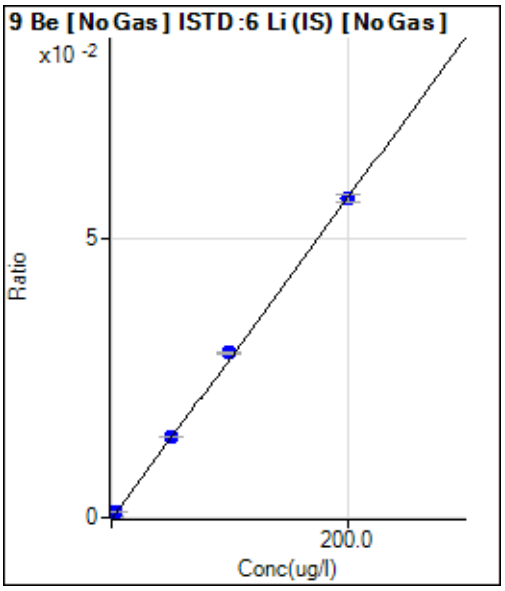
Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6752303.58	1.1	99.5	60	125	
Sc (ISICPMS)	45	No Gas	7899077.04	0.5	105.7	60	125	
Sc (ISICPMS)	45	H2	2164720.89	1.1	104.2	60	125	
Sc (ISICPMS)	45	He	95216.65	0.7	102.1	60	125	
Ge (IS)	74	H2	393148.34	1.0	102.6	60	125	
Ge (IS)	74	He	54011.79	1.3	104.2	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	128009.90	1.0	100.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	624474.67	1.1	100.2	60	125	
Bi (IS)	209	He	428840.99	0.7	99.8	60	125	

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Analysis File: NM051724.batch.bin
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Calibration Method: External Calibration
VIS Interpolation Fit:

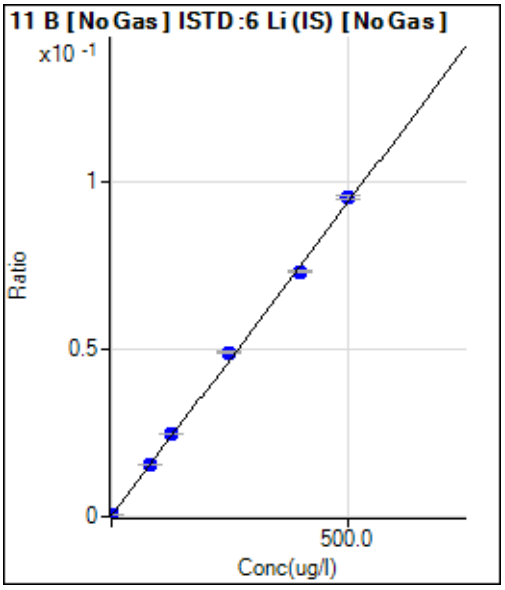
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2	005CALS.d	IC CAL1	2024-05-17 10:32:39
3	006CALS.d	IC CAL2	2024-05-17 10:35:17
4	007CALS.d	IC CAL3	2024-05-17 10:37:57
5	008CALS.d	IC CAL4	2024-05-17 10:40:35
6	009CALS.d	IC CAL5	2024-05-17 10:43:15



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5.56	0.0000	P	91.4	
2	☐	0.800	0.775	1525.65	0.0002	P	6.0	-3.2
3	☐	4.000	3.864	7643.23	0.0011	P	0.6	-3.4
4	☐	50.000	50.239	98606.30	0.0145	P	1.7	0.5
5	☐	100.000	102.577	201096.83	0.0296	P	0.7	2.6
6	☐	200.000	198.655	386806.38	0.0573	P	1.9	-0.7

y = 2.8838E-004 * x + 8.2186E-007
R = 0.9999
DL = 0.007817 ug/l
BEC = 0.00285 ug/l

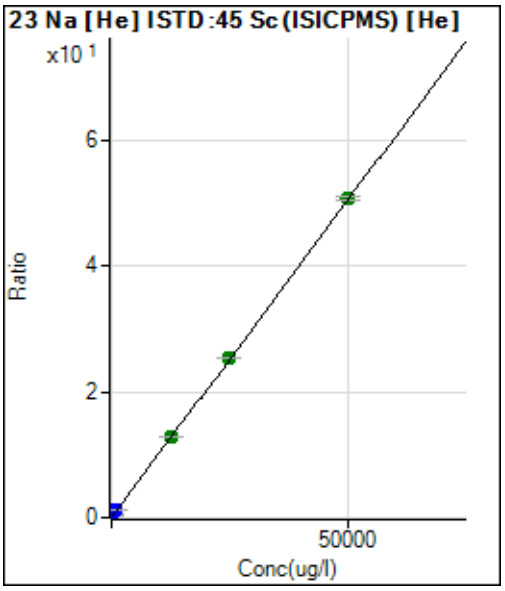
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5165.43	0.0008	P	4.1	
2	☐	80.000	77.696	104066.16	0.0153	P	0.3	-2.9
3	☐	400.000	386.815	501063.60	0.0731	P	0.8	-3.3
4	☐	125.000	127.476	167451.05	0.0246	P	0.3	2.0
5	☐	250.000	258.161	333414.10	0.0490	P	1.1	3.3
6	☐	500.000	506.217	644465.41	0.0954	P	0.9	1.2

y = 1.8703E-004 * x + 7.6126E-004
R = 0.9992
DL = 0.5049 ug/l
BEC = 4.07 ug/l

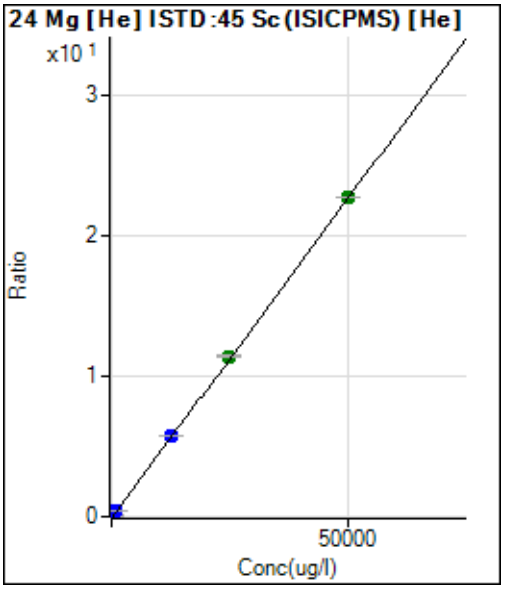
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27601.68	0.2958	P	0.9	
2	☐	200.000	206.376	46794.62	0.5042	P	0.6	3.2
3	☐	1000.000	1022.290	122265.40	1.3281	P	0.7	2.2
4	☐	12500.000	12452.766	1202145.87	12.8702	A	0.4	-0.4
5	☐	25000.000	24954.695	2406473.30	25.4943	A	0.3	-0.2
6	☐	50000.000	50033.990	4751231.67	50.8185	A	1.3	0.1

y = 0.0010 * x + 0.2958
R = 1.0000
DL = 7.86 ug/l
BEC = 293 ug/l

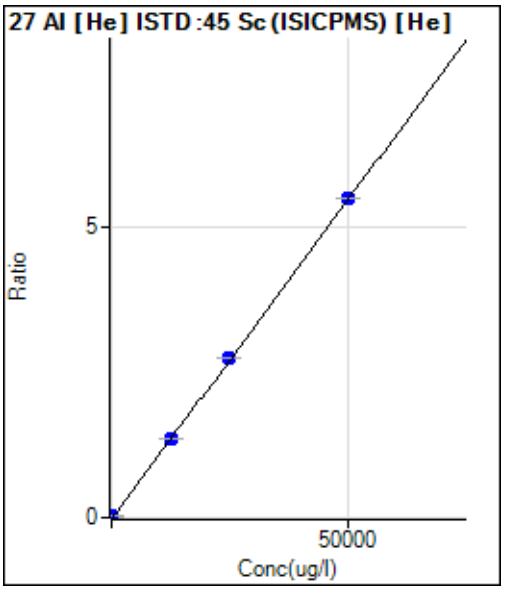
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	226.67	0.0024	P	2.9	
2	☐	200.000	197.004	8560.46	0.0922	P	1.3	-1.5
3	☐	1000.000	1002.587	42306.25	0.4595	P	1.3	0.3
4	☐	12500.000	12545.900	534503.52	5.7224	P	0.6	0.4
5	☐	25000.000	25047.301	1078127.15	11.4220	A	0.7	0.2
6	☐	50000.000	49964.835	2130095.61	22.7824	A	0.6	-0.1

y = 4.5592E-004 * x + 0.0024
R = 1.0000
DL = 0.4695 ug/l
BEC = 5.329 ug/l

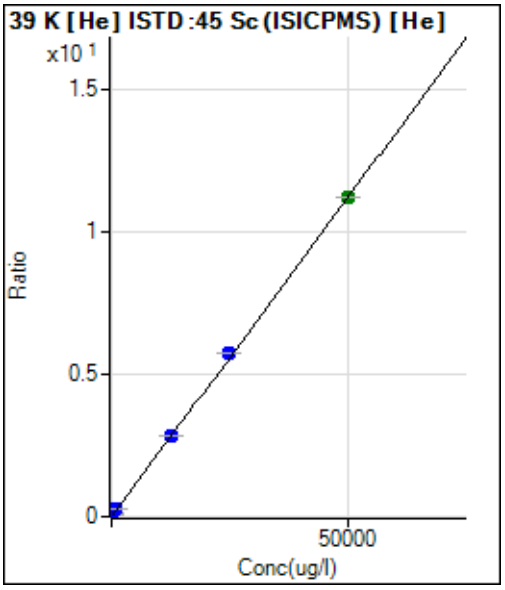
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	77.78	0.0008	P	11.2	
2	☐	40.000	43.904	524.46	0.0057	P	7.5	9.8
3	☐	200.000	201.491	2112.39	0.0229	P	4.3	0.7
4	☐	12500.000	12342.919	126566.43	1.3550	P	1.0	-1.3
5	☐	25000.000	25023.733	259238.42	2.7463	P	0.5	0.1
6	☐	50000.000	50027.394	513262.88	5.4896	P	0.1	0.1

y = 1.0971E-004 * x + 8.3390E-004
R = 1.0000
DL = 2.55 ug/l
BEC = 7.601 ug/l

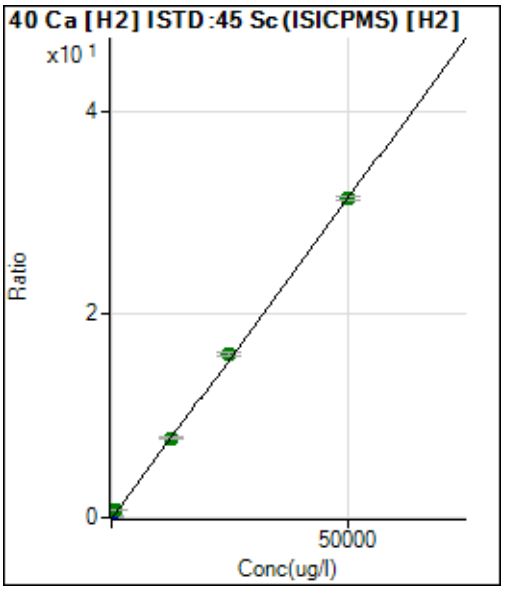
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5150.98	0.0552	P	1.7	
2	☐	200.000	205.660	9406.58	0.1014	P	3.4	2.8
3	☐	1000.000	995.861	25667.08	0.2788	P	0.6	-0.4
4	☐	12500.000	12503.378	267377.09	2.8626	P	0.8	0.0
5	☐	25000.000	25394.732	543414.07	5.7571	P	0.6	1.6
6	☐	50000.000	49801.850	1050647.02	11.2372	A	0.4	-0.4

y = 2.2453E-004 * x + 0.0552
R = 1.0000
DL = 12.25 ug/l
BEC = 245.9 ug/l

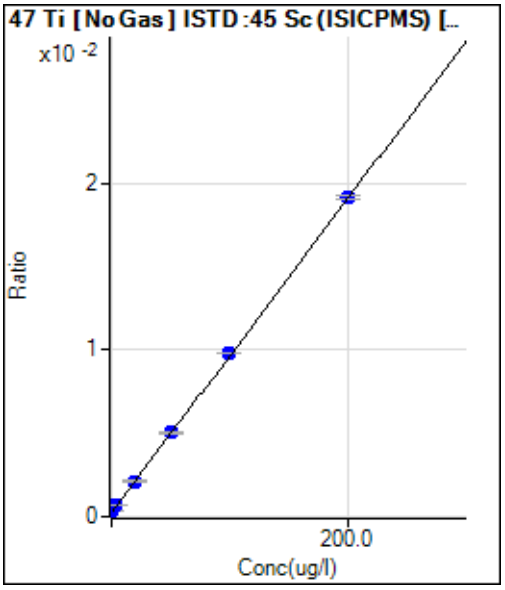
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83369.75	0.0401	P	0.5	
2	☐	200.000	197.366	343979.28	0.1647	P	1.0	-1.3
3	☐	1000.000	1003.519	1402613.66	0.6732	A	0.3	0.4
4	☐	12500.000	12373.465	16588265.31	7.8458	A	1.7	-1.0
5	☐	25000.000	25510.343	34083212.27	16.1331	A	1.8	2.0
6	☐	50000.000	49776.402	66491553.46	31.4411	A	1.1	-0.4

y = 6.3084E-004 * x + 0.0401
R = 0.9999
DL = 0.9967 ug/l
BEC = 63.64 ug/l

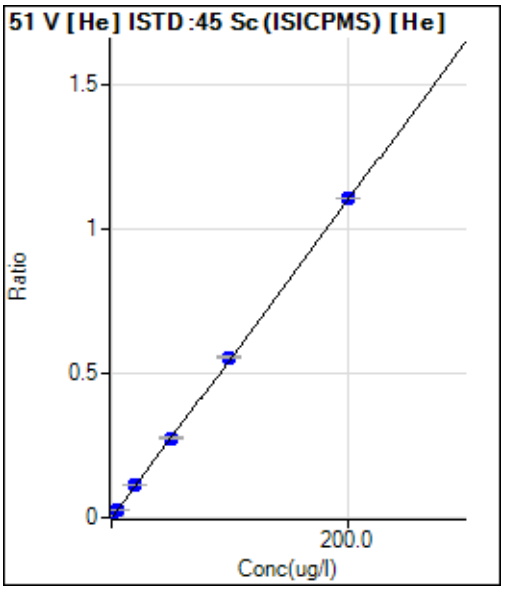
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2590.17	0.0003	P	2.1	
2	☐	4.000	3.721	5256.53	0.0007	P	2.2	-7.0
3	☐	20.000	18.974	16205.13	0.0021	P	2.5	-5.1
4	☐	50.000	49.770	37916.78	0.0050	P	1.0	-0.5
5	☐	100.000	100.814	75521.98	0.0098	P	0.4	0.8
6	☐	200.000	199.759	144140.40	0.0192	P	1.3	-0.1

y = 9.4206E-005 * x + 3.4668E-004
R = 1.0000
DL = 0.2325 ug/l
BEC = 3.68 ug/l

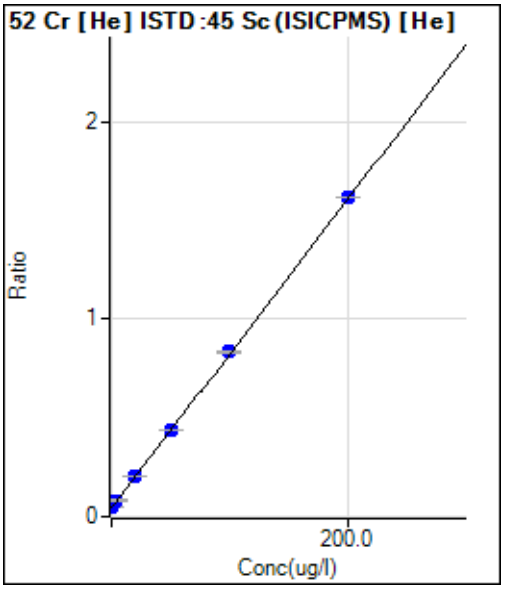
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	490.01	0.0053	P	9.5	
2	☐	4.000	3.671	2359.11	0.0254	P	5.9	-8.2
3	☐	20.000	19.483	10338.39	0.1123	P	3.7	-2.6
4	☐	50.000	49.289	25791.00	0.2761	P	1.5	-1.4
5	☐	100.000	100.051	52397.55	0.5551	P	0.4	0.1
6	☐	200.000	200.211	103362.46	1.1055	P	0.2	0.1

y = 0.0055 * x + 0.0053
R = 1.0000
DL = 0.2733 ug/l
BEC = 0.9558 ug/l

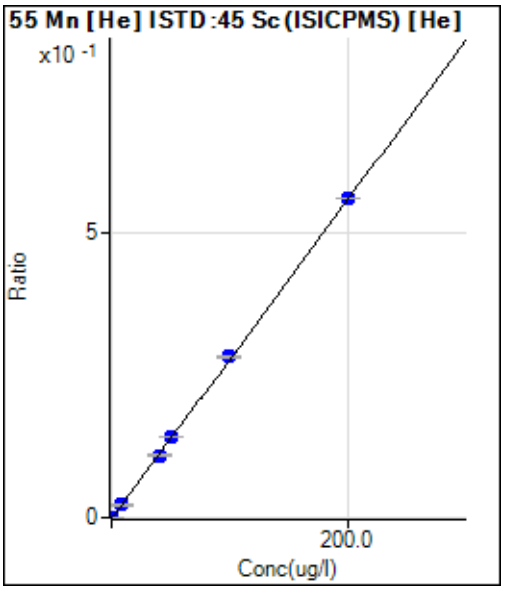
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4944.25	0.0530	P	1.1	
2	☐	4.000	3.724	7616.62	0.0821	P	3.2	-6.9
3	☐	20.000	19.728	19069.97	0.2071	P	0.4	-1.4
4	☐	50.000	49.476	41059.07	0.4396	P	1.0	-1.0
5	☐	100.000	100.031	78782.69	0.8346	P	0.6	0.0
6	☐	200.000	200.148	151179.19	1.6169	P	0.3	0.1

y = 0.0078 * x + 0.0530
R = 1.0000
DL = 0.2299 ug/l
BEC = 6.782 ug/l

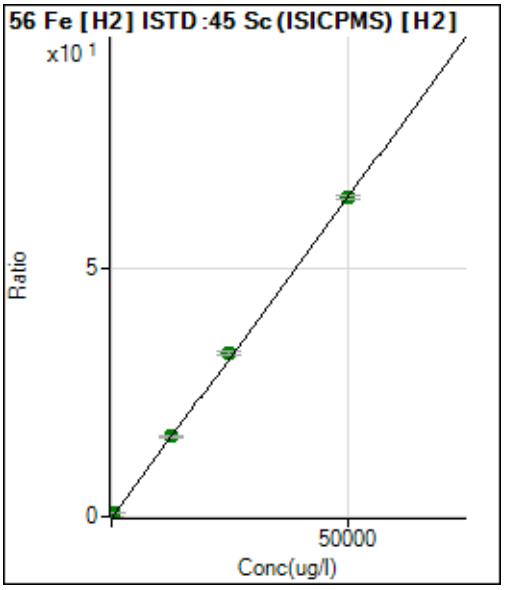
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	88.89	0.0010	P	21.0	
2	☐	8.000	7.670	2083.50	0.0224	P	6.6	-4.1
3	☐	40.000	38.663	10063.76	0.1093	P	1.6	-3.3
4	☐	50.000	50.314	13258.71	0.1420	P	1.3	0.6
5	☐	100.000	100.720	26733.93	0.2832	P	1.6	0.7
6	☐	200.000	199.842	52452.39	0.5610	P	0.5	-0.1

y = 0.0028 * x + 9.5324E-004
R = 1.0000
DL = 0.2145 ug/l
BEC = 0.3401 ug/l

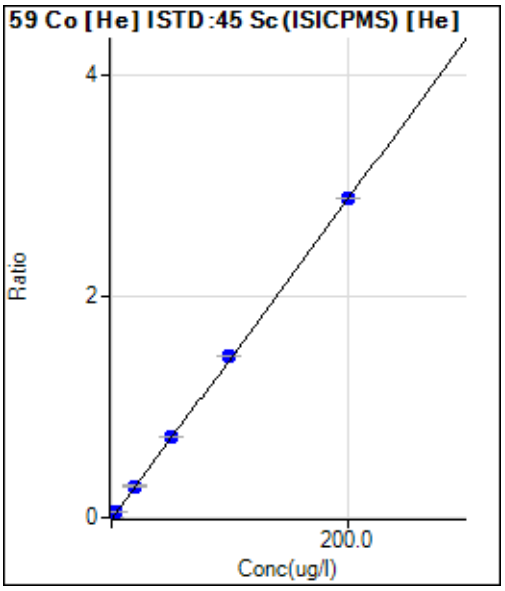
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36862.93	0.0178	P	1.3	
2	☐	120.000	120.073	361631.89	0.1731	P	1.1	0.1
3	☐	600.000	606.413	1671559.66	0.8023	A	1.4	1.1
4	☐	12500.000	12503.723	34242293.93	16.1952	A	1.5	0.0
5	☐	25000.000	25473.214	69665972.29	32.9753	A	1.7	1.9
6	☐	50000.000	49762.385	136196453.53	64.4009	A	1.0	-0.5

y = 0.0013 * x + 0.0178
R = 0.9999
DL = 0.5461 ug/l
BEC = 13.72 ug/l

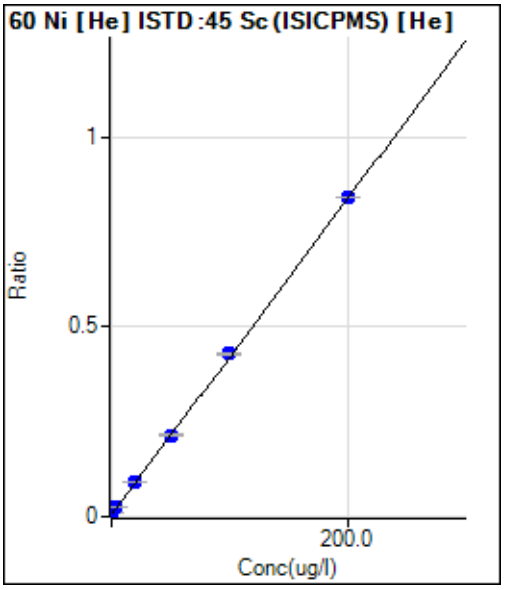
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55.55	0.0006	P	6.8	
2	☐	4.000	4.023	5461.13	0.0588	P	1.1	0.6
3	☐	20.000	19.796	26445.74	0.2873	P	0.2	-1.0
4	☐	50.000	50.032	67728.38	0.7251	P	0.5	0.1
5	☐	100.000	100.945	138029.86	1.4624	P	1.0	0.9
6	☐	200.000	199.539	270219.66	2.8901	P	0.4	-0.2

y = 0.0145 * x + 5.9541E-004
R = 1.0000
DL = 0.008421 ug/l
BEC = 0.04112 ug/l

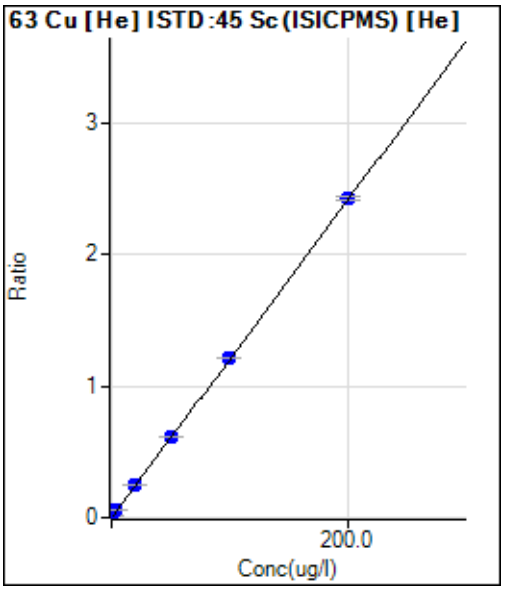
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	867.81	0.0093	P	8.6	
2	☐	4.000	3.928	2382.45	0.0257	P	6.6	-1.8
3	☐	20.000	19.984	8517.15	0.0925	P	0.4	-0.1
4	☐	50.000	49.368	20071.47	0.2149	P	1.6	-1.3
5	☐	100.000	100.832	40509.96	0.4292	P	1.3	0.8
6	☐	200.000	199.745	78637.90	0.8411	P	0.5	-0.1

y = 0.0042 * x + 0.0093
R = 1.0000
DL = 0.5764 ug/l
BEC = 2.233 ug/l

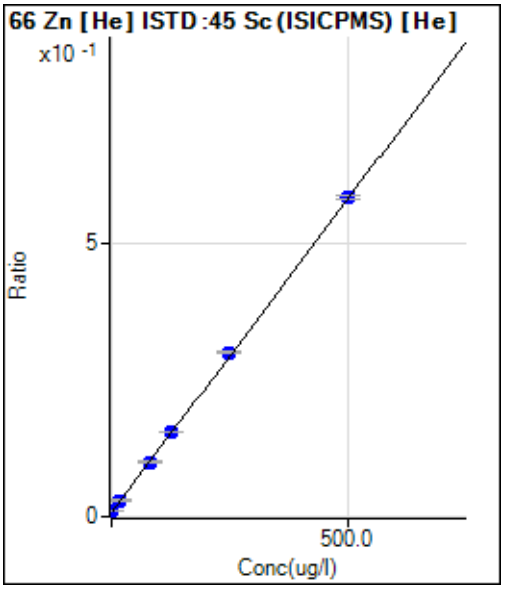
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1090.05	0.0117	P	3.8	
2	☐	4.000	3.827	5377.76	0.0580	P	2.6	-4.3
3	☐	20.000	19.875	23194.23	0.2519	P	0.5	-0.6
4	☐	50.000	50.112	57673.78	0.6175	P	0.7	0.2
5	☐	100.000	99.752	114931.86	1.2176	P	0.2	-0.2
6	☐	200.000	200.112	227275.53	2.4308	P	0.8	0.1

y = 0.0121 * x + 0.0117
R = 1.0000
DL = 0.1112 ug/l
BEC = 0.9666 ug/l

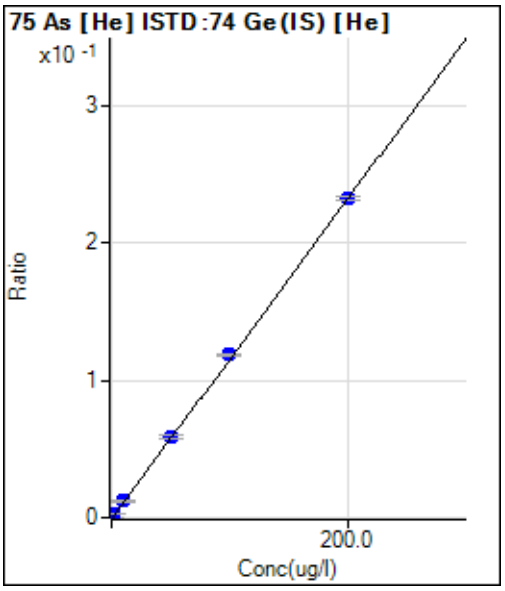
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1074.50	0.0115	P	3.8	
2	☐	16.000	15.903	2760.30	0.0297	P	2.2	-0.6
3	☐	80.000	76.523	9136.46	0.0992	P	3.3	-4.3
4	☐	125.000	124.044	14357.64	0.1537	P	0.3	-0.8
5	☐	250.000	251.419	28290.55	0.2997	P	1.3	0.6
6	☐	500.000	500.089	54674.95	0.5848	P	0.8	0.0

y = 0.0011 * x + 0.0115
R = 1.0000
DL = 1.154 ug/l
BEC = 10.05 ug/l

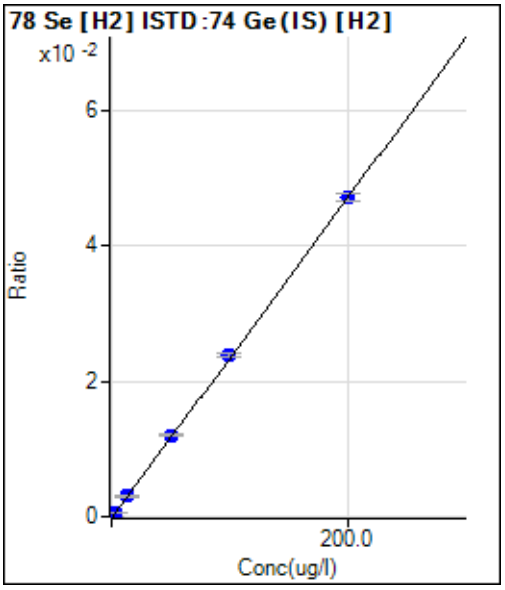
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0002	P	40.1	
2	☐	2.000	1.888	125.56	0.0024	P	21.7	-5.6
3	☐	10.000	10.077	605.57	0.0120	P	3.0	0.8
4	☐	50.000	50.114	3134.83	0.0586	P	3.8	0.2
5	☐	100.000	101.388	6419.34	0.1184	P	1.2	1.4
6	☐	200.000	199.275	12690.42	0.2325	P	1.7	-0.4

y = 0.0012 * x + 2.3439E-004
R = 1.0000
DL = 0.2416 ug/l
BEC = 0.2011 ug/l

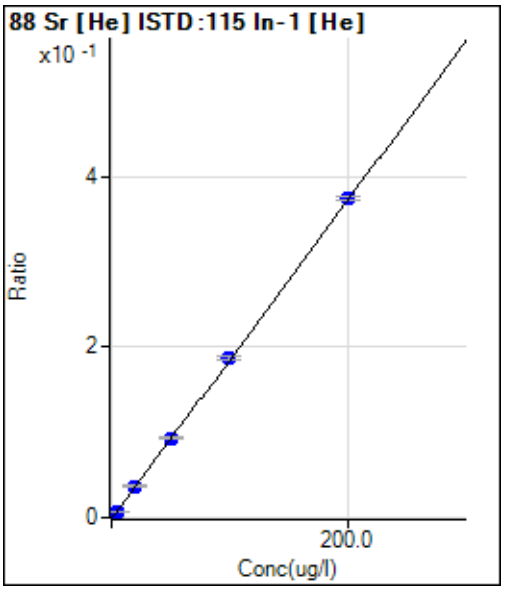
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	99.7	
2	☐	2.500	2.593	237.78	0.0006	P	13.8	3.7
3	☐	12.500	12.902	1176.73	0.0031	P	6.6	3.2
4	☐	50.000	50.631	4743.08	0.0120	P	3.1	1.3
5	☐	100.000	101.120	9644.62	0.0240	P	2.0	1.1
6	☐	200.000	199.256	19271.60	0.0472	P	2.4	-0.4

y = 2.3702E-004 * x + 8.6487E-006
R = 1.0000
DL = 0.1092 ug/l
BEC = 0.03649 ug/l

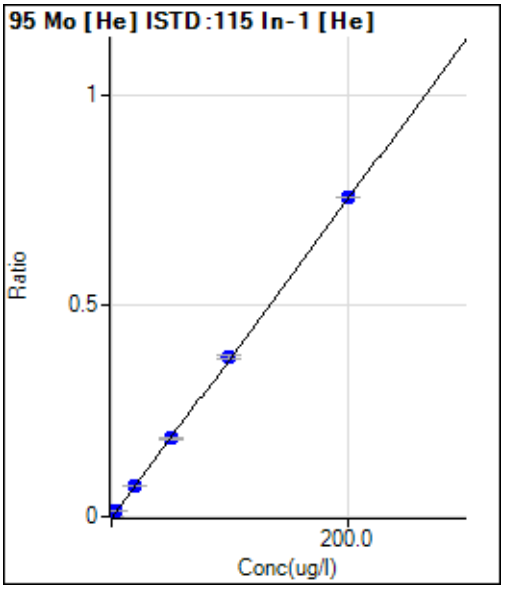
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	60.00	0.0005	P	34.5	
2	☐	4.000	3.813	961.15	0.0076	P	2.5	-4.7
3	☐	20.000	19.577	4665.29	0.0370	P	3.8	-2.1
4	☐	50.000	49.701	11856.41	0.0932	P	0.8	-0.6
5	☐	100.000	99.776	23677.65	0.1867	P	2.2	-0.2
6	☐	200.000	200.233	47334.47	0.3742	P	0.8	0.1

y = 0.0019 * x + 4.7037E-004
R = 1.0000
DL = 0.2611 ug/l
BEC = 0.252 ug/l

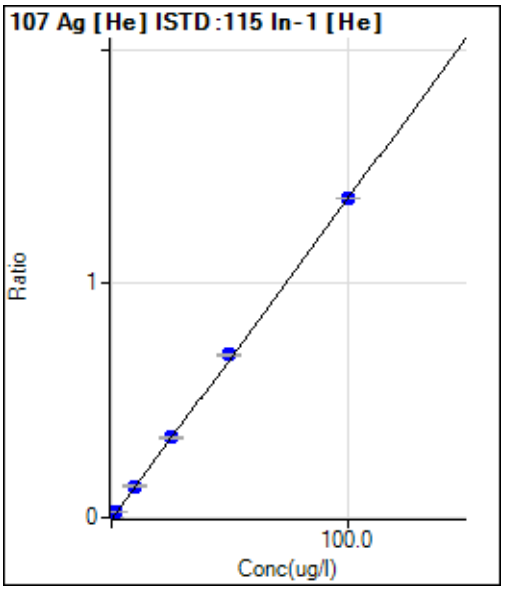
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38.89	0.0003	P	17.3	
2	☐	4.000	3.791	1852.36	0.0146	P	0.8	-5.2
3	☐	20.000	19.099	9130.95	0.0724	P	1.1	-4.5
4	☐	50.000	49.221	23673.25	0.1862	P	2.6	-1.6
5	☐	100.000	100.189	48027.47	0.3786	P	2.1	0.2
6	☐	200.000	200.195	95674.78	0.7563	P	0.6	0.1

y = 0.0038 * x + 3.0424E-004
R = 1.0000
DL = 0.04171 ug/l
BEC = 0.08057 ug/l

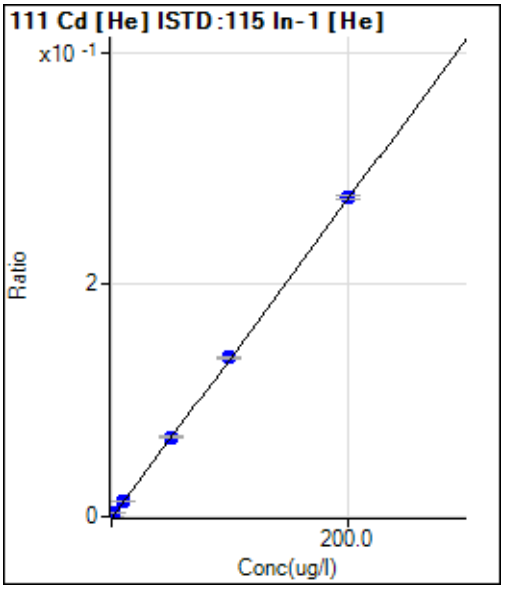
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.66	0.0001	P	87.3	
2	☐	2.000	1.933	3363.78	0.0266	P	5.3	-3.4
3	☐	10.000	9.844	17025.45	0.1350	P	1.7	-1.6
4	☐	25.000	25.116	43805.66	0.3445	P	1.8	0.5
5	☐	50.000	50.721	88225.27	0.6956	P	0.5	1.4
6	☐	100.000	99.627	172835.77	1.3662	P	0.5	-0.4

y = 0.0137 * x + 5.2366E-005
R = 1.0000
DL = 0.01 ug/l
BEC = 0.003819 ug/l

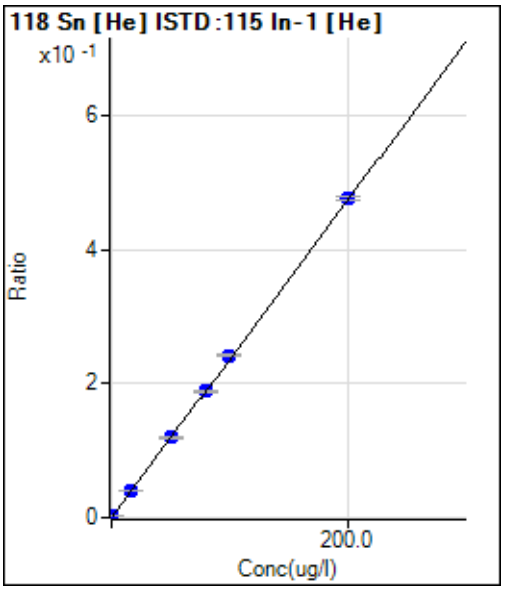
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1.11	0.0000	P	173.2	
2	☐	2.000	1.926	336.67	0.0027	P	4.0	-3.7
3	☐	10.000	9.851	1709.01	0.0136	P	3.2	-1.5
4	☐	50.000	49.783	8708.50	0.0685	P	2.8	-0.4
5	☐	100.000	99.620	17375.95	0.1370	P	1.6	-0.4
6	☐	200.000	200.252	34835.88	0.2754	P	1.1	0.1

y = 0.0014 * x + 8.7575E-006
R = 1.0000
DL = 0.03309 ug/l
BEC = 0.006369 ug/l

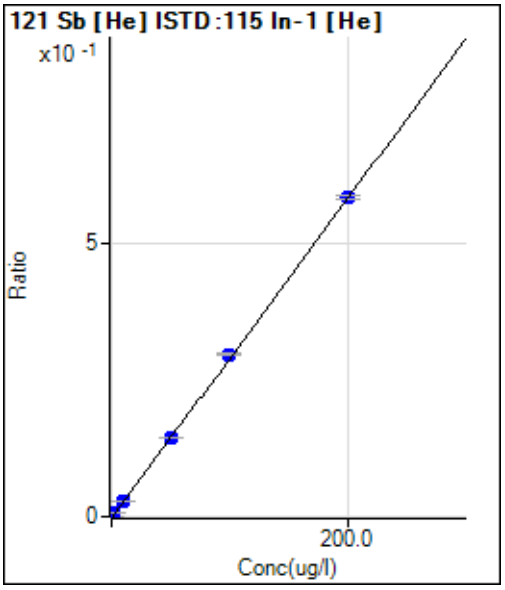
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	348.90	0.0027	P	8.5	
2	☐	16.000	15.920	5116.59	0.0404	P	3.4	-0.5
3	☐	80.000	78.474	23747.04	0.1884	P	0.7	-1.9
4	☐	50.000	49.339	15189.93	0.1194	P	2.3	-1.3
5	☐	100.000	101.144	30693.55	0.2420	P	1.0	1.1
6	☐	200.000	200.210	60260.94	0.4763	P	0.9	0.1

y = 0.0024 * x + 0.0027
R = 0.9999
DL = 0.2937 ug/l
BEC = 1.155 ug/l

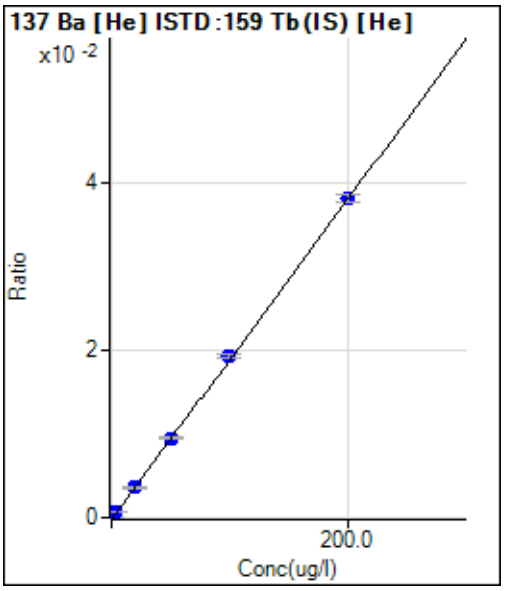
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35.56	0.0003	P	35.4	
2	☐	2.000	1.826	713.36	0.0056	P	2.1	-8.7
3	☐	10.000	9.766	3643.86	0.0289	P	3.3	-2.3
4	☐	50.000	49.380	18440.81	0.1450	P	1.0	-1.2
5	☐	100.000	101.098	37618.11	0.2966	P	1.1	1.1
6	☐	200.000	199.619	74047.21	0.5853	P	1.1	-0.2

y = 0.0029 * x + 2.7825E-004
R = 1.0000
DL = 0.1008 ug/l
BEC = 0.09494 ug/l

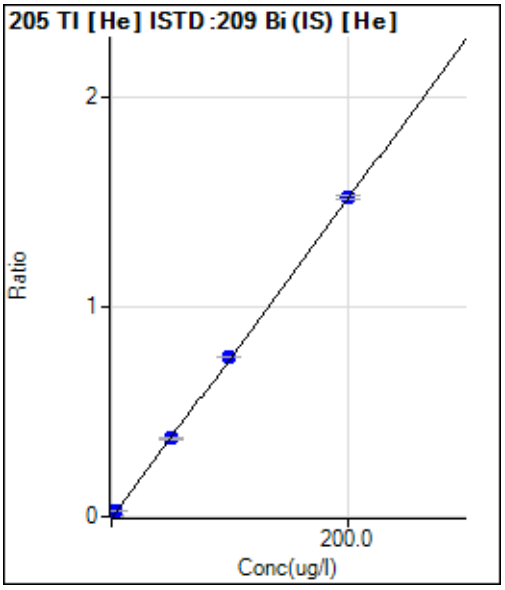
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.251	11.11	0.0000	P	17.5	
2	☐	4.000	4.012	454.45	0.0007	P	8.7	0.3
3	☐	20.000	19.294	2247.99	0.0037	P	6.2	-3.5
4	☐	50.000	49.756	5841.36	0.0095	P	2.0	-0.5
5	☐	100.000	101.111	11922.19	0.0193	P	2.0	1.1
6	☐	200.000	199.576	23584.77	0.0381	P	1.9	-0.2

y = 1.909403E-004 * x - 3.015993E-005
R = 1.0000
DL = 0.04903 ug/l
BEC = -0.158 ug/l

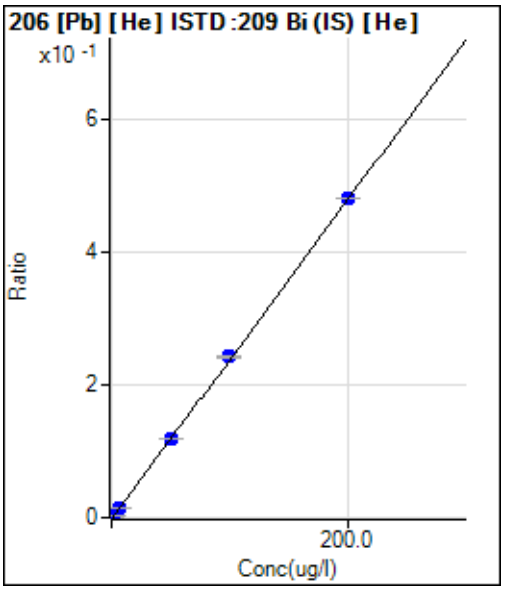
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	72.22	0.0002	P	35.1	
2	☐	0.800	0.752	2516.94	0.0059	P	2.6	-6.0
3	☐	4.000	3.829	12329.48	0.0294	P	2.2	-4.3
4	☐	50.000	48.914	155409.56	0.3733	P	1.0	-2.2
5	☐	100.000	100.411	314334.16	0.7661	P	0.3	0.4
6	☐	200.000	200.069	624045.96	1.5263	P	1.2	0.0

y = 0.0076 * x + 1.6790E-004
R = 1.0000
DL = 0.02316 ug/l
BEC = 0.02201 ug/l

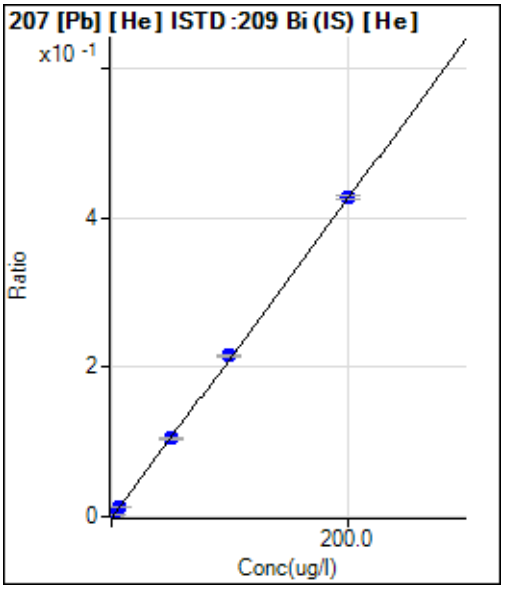
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0002	P	10.4	
2	☐	1.200	1.180	1294.52	0.0030	P	2.6	-1.6
3	☐	6.000	5.765	5894.77	0.0140	P	2.9	-3.9
4	☐	50.000	49.490	49565.25	0.1191	P	0.5	-1.0
5	☐	100.000	100.551	99154.61	0.2417	P	1.5	0.6
6	☐	200.000	199.859	196327.84	0.4802	P	0.5	-0.1

y = 0.0024 * x + 2.0163E-004
R = 1.0000
DL = 0.02615 ug/l
BEC = 0.08396 ug/l

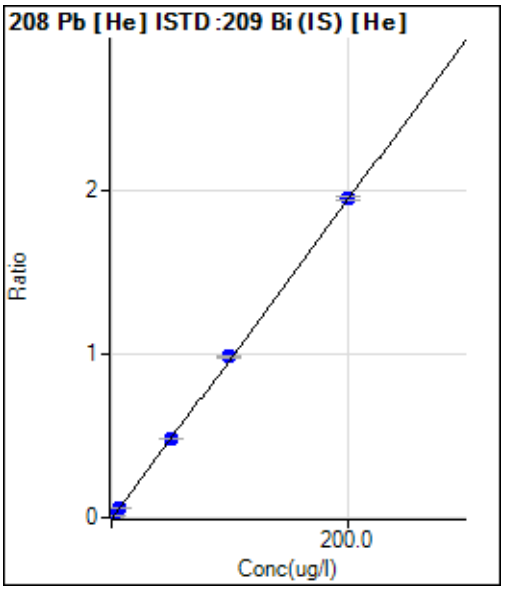
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	67.78	0.0002	P	15.3	
2	☐	1.200	1.147	1114.51	0.0026	P	1.5	-4.4
3	☐	6.000	5.860	5332.28	0.0127	P	2.4	-2.3
4	☐	50.000	48.938	43691.88	0.1050	P	1.3	-2.1
5	☐	100.000	100.643	88487.77	0.2157	P	0.7	0.6
6	☐	200.000	199.949	175111.77	0.4283	P	1.5	0.0

y = 0.0021 * x + 1.5758E-004
R = 1.0000
DL = 0.03378 ug/l
BEC = 0.07359 ug/l

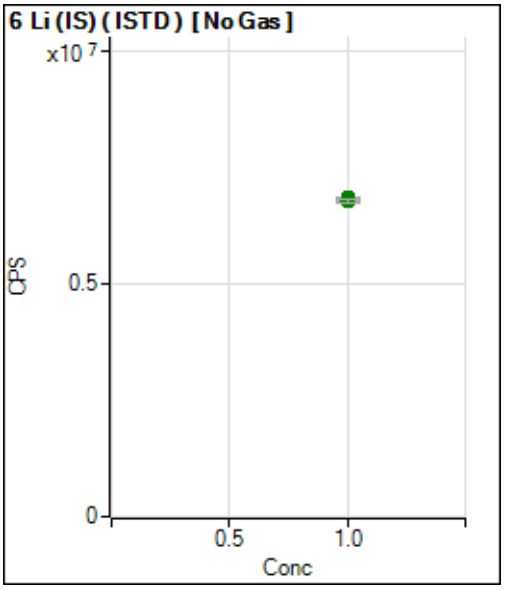
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Min Conc: <None>



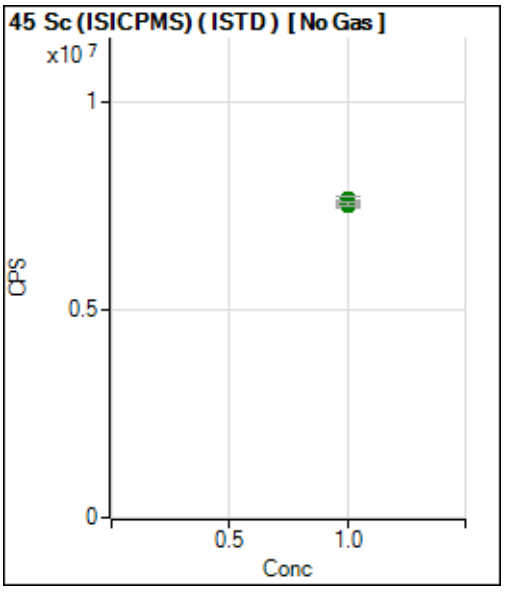
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	340.00	0.0008	P	3.6	
2	☐	1.200	1.172	5220.47	0.0122	P	3.1	-2.4
3	☐	6.000	5.785	24069.30	0.0574	P	1.6	-3.6
4	☐	50.000	49.150	200378.46	0.4813	P	0.2	-1.7
5	☐	100.000	100.550	403640.31	0.9838	P	1.2	0.5
6	☐	200.000	199.944	799553.11	1.9556	P	0.9	0.0

y = 0.0098 * x + 7.9101E-004
R = 1.0000
DL = 0.008716 ug/l
BEC = 0.08091 ug/l

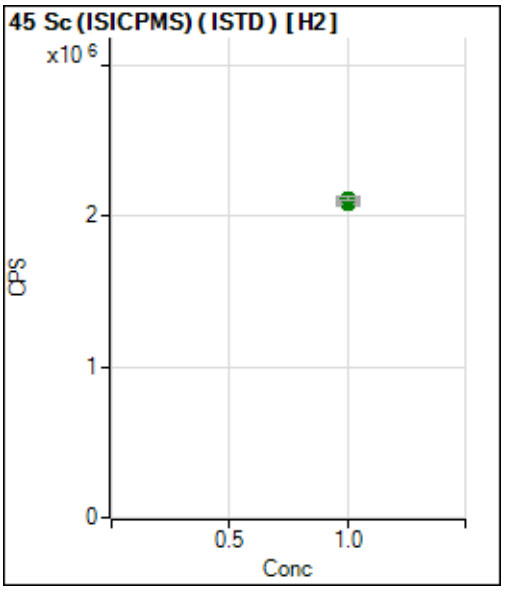
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Min Conc: <None>



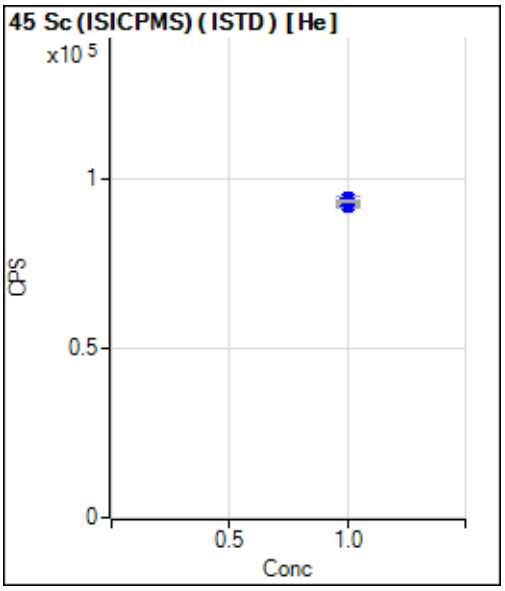
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6787029.97		A	0.9	
2	☐	1.000		6804847.33		A	0.4	
3	☐	1.000		6853764.13		A	0.2	
4	☐	1.000		6806057.74		A	0.6	
5	☐	1.000		6797959.34		A	0.6	
6	☐	1.000		6752881.56		A	1.2	



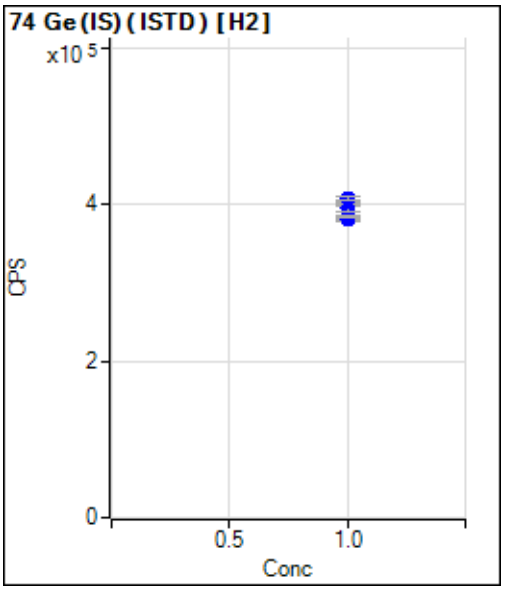
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7472168.57		A	0.8	
2	☐	1.000		7540104.33		A	1.0	
3	☐	1.000		7594903.36		A	1.2	
4	☐	1.000		7530360.86		A	1.1	
5	☐	1.000		7671985.10		A	0.7	
6	☐	1.000		7521562.32		A	1.0	



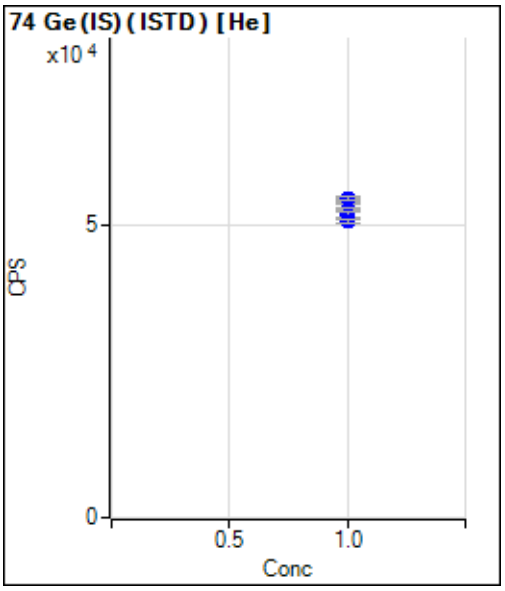
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2076629.99		A	0.7	
2	☐	1.000		2089213.27		A	0.8	
3	☐	1.000		2083525.51		A	1.0	
4	☐	1.000		2114125.97		A	1.2	
5	☐	1.000		2112718.30		A	0.4	
6	☐	1.000		2114876.10		A	1.2	



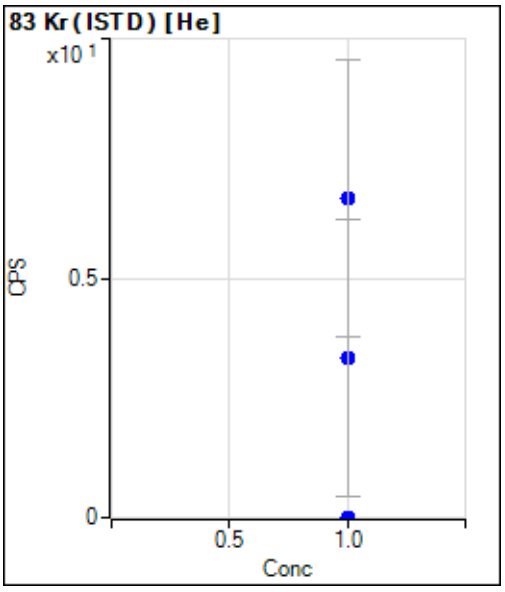
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		93299.09		P	0.4	
2	☐	1.000		92806.79		P	1.3	
3	☐	1.000		92061.82		P	0.9	
4	☐	1.000		93405.24		P	0.6	
5	☐	1.000		94394.52		P	1.1	
6	☐	1.000		93498.29		P	0.6	



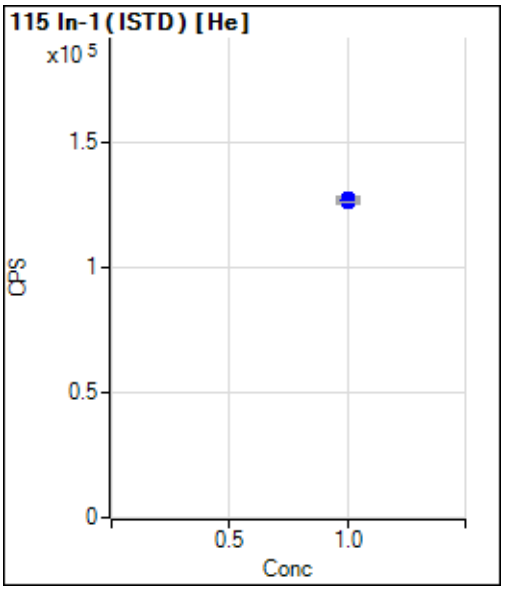
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		383361.76		P	0.8	
2	☐	1.000		381741.57		P	1.3	
3	☐	1.000		383755.34		P	0.4	
4	☐	1.000		394998.03		P	1.7	
5	☐	1.000		402271.09		P	0.4	
6	☐	1.000		407875.32		P	1.5	



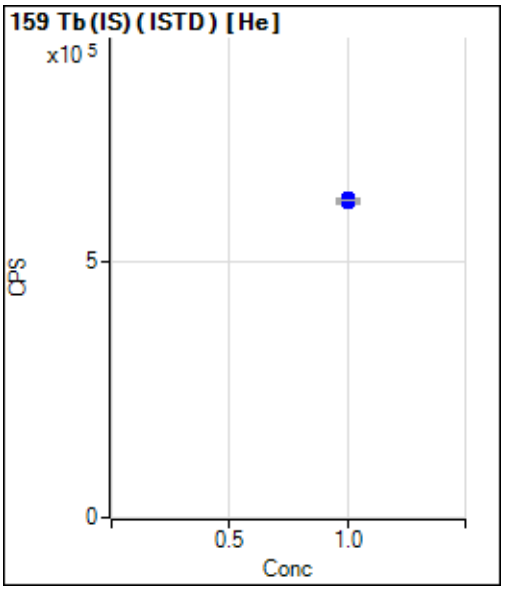
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		51824.40		P	2.6	
2	☐	1.000		51496.24		P	2.7	
3	☐	1.000		50538.22		P	1.5	
4	☐	1.000		53475.81		P	1.8	
5	☐	1.000		54209.85		P	1.8	
6	☐	1.000		54577.97		P	1.1	



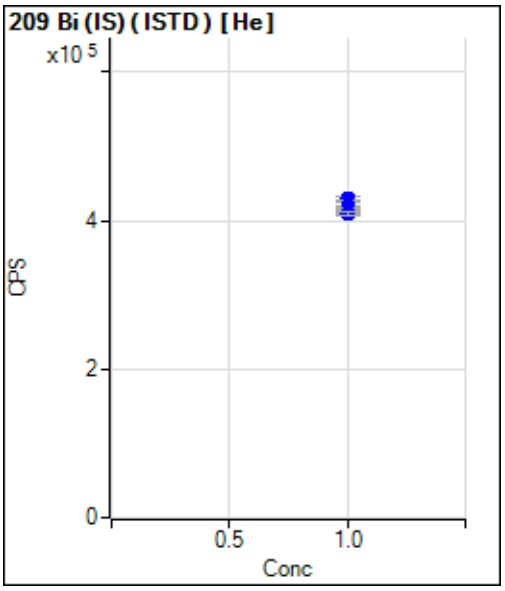
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3.34		P	173.2	
2	☐	1.000		0.00		P		
3	☐	1.000		6.67		P	86.6	
4	☐	1.000		3.34		P	173.2	
5	☐	1.000		3.34		P	173.2	
6	☐	1.000		0.00		P		



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		127749.93		P	0.8	
2	☐	1.000		126688.81		P	0.6	
3	☐	1.000		126070.09		P	0.5	
4	☐	1.000		127177.01		P	0.9	
5	☐	1.000		126839.38		P	1.1	
6	☐	1.000		126505.51		P	0.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		622999.59		P	0.3	
2	☐	1.000		617778.25		P	0.5	
3	☐	1.000		615261.42		P	1.7	
4	☐	1.000		616844.30		P	0.8	
5	☐	1.000		618442.96		P	0.7	
6	☐	1.000		619392.88		P	0.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		429902.27		P	0.7	
2	☐	1.000		426354.20		P	0.8	
3	☐	1.000		419678.94		P	0.5	
4	☐	1.000		416310.99		P	0.4	
5	☐	1.000		410297.55		P	0.9	
6	☐	1.000		408863.56		P	1.0	

Sample Report

File Name 024SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:29:56

Sample Name **mb 460-974729/1-a**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	209.2	2000	
B	11	6	No Gas	0.990	ug/l	6.6	2000	
Na	23	45	He	6.615	ug/l	66.1	500000	
Mg	24	45	He	-0.444	ug/l	N/A	500000	
Al	27	45	He	0.512	ug/l	460.8	500000	
K	39	45	He	30.195	ug/l	35.0	500000	
Ca	40	45	H2	-0.947	ug/l	N/A	1000000	
Ti	47	45	No Gas	0.340	ug/l	36.2	10000	
V	51	45	He	-0.184	ug/l	N/A	5000	
Cr	52	45	He	0.021	ug/l	912.8	20000	
Mn	55	45	He	-0.035	ug/l	N/A	20000	
Fe	56	45	H2	0.145	ug/l	98.8	500000	
Co	59	45	He	0.007	ug/l	106.5	2000	
Ni	60	45	He	0.053	ug/l	278.8	20000	
Cu	63	45	He	-0.032	ug/l	N/A	20000	
Zn	66	45	He	-0.935	ug/l	N/A	20000	
As	75	74	He	-0.074	ug/l	N/A	5000	
Se	78	74	H2	0.012	ug/l	451.0	3000	
Sr	88	115	He	-0.047	ug/l	N/A	5000	
Mo	95	115	He	0.028	ug/l	59.0	2000	
Ag	107	115	He	0.004	ug/l	65.0	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.015	ug/l	773.3	2000	
Sb	121	115	He	0.006	ug/l	79.2	1000	
Ba	137	159	He	0.272	ug/l	18.4	20000	
Tl	205	209	He	-0.009	ug/l	N/A	1000	
[Pb]	206	209	He	0.035	ug/l	31.3		
[Pb]	207	209	He	0.067	ug/l	27.6		
Pb	208	209	He	0.048	ug/l	13.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6776187.75	1.5	99.8	60	125	
Sc (ISICPMS)	45	No Gas	7786465.02	0.7	104.2	60	125	
Sc (ISICPMS)	45	H2	2131180.34	1.3	102.6	60	125	
Sc (ISICPMS)	45	He	94788.28	1.2	101.6	60	125	
Ge (IS)	74	H2	385531.30	0.9	100.6	60	125	
Ge (IS)	74	He	52752.32	1.2	101.8	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127734.19	0.4	100.0	60	125	
Tb (IS)	159	He	610600.96	0.4	98.0	60	125	
Bi (IS)	209	He	421269.84	0.6	98.0	60	125	

Sample Report

File Name 025SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:32:23

Sample Name **lcs 460-974729/2-a@10**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	96.171	ug/l	1.0	2000	
B	11	6	No Gas	106.035	ug/l	2.2	2000	
Na	23	45	He	2156.042	ug/l	0.3	500000	
Mg	24	45	He	2107.824	ug/l	0.8	500000	
Al	27	45	He	536.570	ug/l	2.5	500000	
K	39	45	He	2143.097	ug/l	1.4	500000	
Ca	40	45	H2	2140.861	ug/l	1.4	1000000	
Ti	47	45	No Gas	100.297	ug/l	2.2	10000	
V	51	45	He	51.196	ug/l	1.7	5000	
Cr	52	45	He	516.007	ug/l	0.8	20000	
Mn	55	45	He	98.378	ug/l	1.8	20000	
Fe	56	45	H2	104.720	ug/l	1.5	500000	
Co	59	45	He	102.289	ug/l	1.5	2000	
Ni	60	45	He	101.825	ug/l	1.9	20000	
Cu	63	45	He	102.114	ug/l	0.7	20000	
Zn	66	45	He	99.681	ug/l	1.5	20000	
As	75	74	He	534.517	ug/l	2.3	5000	
Se	78	74	H2	102.152	ug/l	2.9	3000	
Sr	88	115	He	98.910	ug/l	0.6	5000	
Mo	95	115	He	104.101	ug/l	1.6	2000	
Ag	107	115	He	49.559	ug/l	0.7	1000	
Cd	111	115	He	101.608	ug/l	1.7	5000	
Sn	118	115	He	105.363	ug/l	1.1	2000	
Sb	121	115	He	101.866	ug/l	2.0	1000	
Ba	137	159	He	1002.273	ug/l	0.9	20000	
Tl	205	209	He	98.218	ug/l	0.7	1000	
[Pb]	206	209	He	517.563	ug/l	1.4		
[Pb]	207	209	He	503.417	ug/l	0.8		
Pb	208	209	He	507.196	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6761483.51	1.6	99.6	60	125	
Sc (ISICPMS)	45	No Gas	7748393.70	1.1	103.7	60	125	
Sc (ISICPMS)	45	H2	2130576.79	0.9	102.6	60	125	
Sc (ISICPMS)	45	He	94990.81	0.3	101.8	60	125	
Ge (IS)	74	H2	388912.03	0.6	101.4	60	125	
Ge (IS)	74	He	53693.50	4.0	103.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128727.85	0.1	100.8	60	125	
Tb (IS)	159	He	621713.58	1.3	99.8	60	125	
Bi (IS)	209	He	425318.66	1.3	98.9	60	125	

Sample Report

File Name 026SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:34:50

Sample Name **pds 460-300945-a-14-b@10**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	27.983	ug/l	1.2	2000	
B	11	6	No Gas	583.942	ug/l	1.6	2000	
Na	23	45	He	146203.738	ug/l	0.6	500000	
Mg	24	45	He	3110.722	ug/l	1.3	500000	
Al	27	45	He	2779.783	ug/l	1.3	500000	
K	39	45	He	3393.853	ug/l	1.5	500000	
Ca	40	45	H2	6398.856	ug/l	1.1	1000000	
Ti	47	45	No Gas	57.144	ug/l	0.9	10000	
V	51	45	He	56.880	ug/l	1.5	5000	
Cr	52	45	He	57.757	ug/l	0.8	20000	
Mn	55	45	He	495.359	ug/l	1.1	20000	
Fe	56	45	H2	2959.582	ug/l	1.0	500000	
Co	59	45	He	30.777	ug/l	1.6	2000	
Ni	60	45	He	57.719	ug/l	0.6	20000	
Cu	63	45	He	56.788	ug/l	0.5	20000	
Zn	66	45	He	299.561	ug/l	2.4	20000	
As	75	74	He	58.481	ug/l	5.0	5000	
Se	78	74	H2	57.593	ug/l	1.5	3000	
Sr	88	115	He	86.911	ug/l	2.2	5000	
Mo	95	115	He	57.236	ug/l	1.3	2000	
Ag	107	115	He	21.052	ug/l	1.3	1000	
Cd	111	115	He	28.422	ug/l	2.9	5000	
Sn	118	115	He	57.335	ug/l	1.1	2000	
Sb	121	115	He	28.386	ug/l	2.5	1000	
Ba	137	159	He	121.019	ug/l	0.6	20000	
Tl	205	209	He	22.675	ug/l	0.6	1000	
[Pb]	206	209	He	33.276	ug/l	1.8		
[Pb]	207	209	He	32.436	ug/l	1.0		
Pb	208	209	He	32.835	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6589795.60	1.0	97.1	60	125	
Sc (ISICPMS)	45	No Gas	7690801.21	0.4	102.9	60	125	
Sc (ISICPMS)	45	H2	2103750.51	0.5	101.3	60	125	
Sc (ISICPMS)	45	He	93066.40	0.5	99.8	60	125	
Ge (IS)	74	H2	396423.51	1.0	103.4	60	125	
Ge (IS)	74	He	53439.09	3.1	103.1	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123500.69	0.3	96.7	60	125	
Tb (IS)	159	He	611940.30	0.5	98.2	60	125	
Bi (IS)	209	He	406444.21	0.7	94.5	60	125	

Sample Report

File Name 027SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:37:16

Sample Name **460-300945-a-14-d ms@10**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	95.778	ug/l	1.2	2000	
B	11	6	No Gas	125.216	ug/l	1.2	2000	
Na	23	45	He	150405.893	ug/l	0.8	500000	
Mg	24	45	He	2373.112	ug/l	2.1	500000	
Al	27	45	He	551.987	ug/l	8.5	500000	
K	39	45	He	2670.958	ug/l	2.2	500000	
Ca	40	45	H2	5759.515	ug/l	1.5	1000000	
Ti	47	45	No Gas	103.498	ug/l	0.5	10000	
V	51	45	He	52.614	ug/l	1.2	5000	
Cr	52	45	He	517.233	ug/l	1.6	20000	
Mn	55	45	He	334.815	ug/l	1.3	20000	
Fe	56	45	H2	168.741	ug/l	0.1	500000	
Co	59	45	He	104.194	ug/l	1.3	2000	
Ni	60	45	He	100.929	ug/l	1.0	20000	
Cu	63	45	He	102.113	ug/l	0.8	20000	
Zn	66	45	He	120.050	ug/l	2.7	20000	
As	75	74	He	521.932	ug/l	2.1	5000	
Se	78	74	H2	104.753	ug/l	2.7	3000	
Sr	88	115	He	129.408	ug/l	1.7	5000	
Mo	95	115	He	104.655	ug/l	1.7	2000	
Ag	107	115	He	48.360	ug/l	2.7	1000	
Cd	111	115	He	99.574	ug/l	2.7	5000	
Sn	118	115	He	104.989	ug/l	2.1	2000	
Sb	121	115	He	103.466	ug/l	0.7	1000	
Ba	137	159	He	1057.681	ug/l	1.3	20000	
Tl	205	209	He	98.867	ug/l	1.0	1000	
[Pb]	206	209	He	529.266	ug/l	0.6		
[Pb]	207	209	He	512.486	ug/l	0.5		
Pb	208	209	He	516.581	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6721135.67	1.8	99.0	60	125	
Sc (ISICPMS)	45	No Gas	7606413.50	0.5	101.8	60	125	
Sc (ISICPMS)	45	H2	2096258.11	0.9	100.9	60	125	
Sc (ISICPMS)	45	He	92531.96	1.1	99.2	60	125	
Ge (IS)	74	H2	394639.59	1.0	102.9	60	125	
Ge (IS)	74	He	54839.25	2.2	105.8	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126800.21	1.5	99.3	60	125	
Tb (IS)	159	He	617697.36	0.3	99.1	60	125	
Bi (IS)	209	He	410517.09	1.0	95.5	60	125	

Sample Report

File Name 028SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:39:43

Sample Name **460-300945-a-14-c du@10**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.103	ug/l	18.4	2000	
B	11	6	No Gas	19.426	ug/l	0.6	2000	
Na	23	45	He	140565.977	ug/l	0.1	500000	
Mg	24	45	He	272.184	ug/l	0.4	500000	
Al	27	45	He	30.793	ug/l	6.9	500000	
K	39	45	He	496.303	ug/l	1.7	500000	
Ca	40	45	H2	3473.393	ug/l	1.0	1000000	
Ti	47	45	No Gas	1.865	ug/l	5.8	10000	
V	51	45	He	0.586	ug/l	29.8	5000	
Cr	52	45	He	0.479	ug/l	39.6	20000	
Mn	55	45	He	225.087	ug/l	1.2	20000	
Fe	56	45	H2	72.946	ug/l	0.4	500000	
Co	59	45	He	2.312	ug/l	2.8	2000	
Ni	60	45	He	9.627	ug/l	3.5	20000	
Cu	63	45	He	0.531	ug/l	12.3	20000	
Zn	66	45	He	17.417	ug/l	1.9	20000	
As	75	74	He	0.309	ug/l	54.4	5000	
Se	78	74	H2	0.129	ug/l	56.6	3000	
Sr	88	115	He	31.100	ug/l	1.0	5000	
Mo	95	115	He	0.091	ug/l	47.8	2000	
Ag	107	115	He	0.013	ug/l	22.7	1000	
Cd	111	115	He	0.187	ug/l	57.1	5000	
Sn	118	115	He	0.235	ug/l	61.4	2000	
Sb	121	115	He	0.053	ug/l	37.9	1000	
Ba	137	159	He	66.073	ug/l	2.1	20000	
Tl	205	209	He	0.024	ug/l	17.3	1000	
[Pb]	206	209	He	4.154	ug/l	0.3		
[Pb]	207	209	He	3.981	ug/l	1.9		
Pb	208	209	He	4.012	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6638700.66	1.5	97.8	60	125	
Sc (ISICPMS)	45	No Gas	7553605.65	1.8	101.1	60	125	
Sc (ISICPMS)	45	H2	2097138.53	0.8	101.0	60	125	
Sc (ISICPMS)	45	He	94171.73	0.5	100.9	60	125	
Ge (IS)	74	H2	394909.83	0.9	103.0	60	125	
Ge (IS)	74	He	54162.37	0.4	104.5	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125433.38	0.8	98.2	60	125	
Tb (IS)	159	He	611791.37	0.9	98.2	60	125	
Bi (IS)	209	He	405538.53	1.1	94.3	60	125	

Sample Report

File Name 029SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:42:10

Sample Name **460-300945-a-14-b@10**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.100	ug/l	19.9	2000	
B	11	6	No Gas	18.292	ug/l	1.6	2000	
Na	23	45	He	145055.947	ug/l	0.5	500000	
Mg	24	45	He	284.608	ug/l	1.1	500000	
Al	27	45	He	28.466	ug/l	19.2	500000	
K	39	45	He	509.511	ug/l	1.7	500000	
Ca	40	45	H2	3557.841	ug/l	2.7	1000000	
Ti	47	45	No Gas	1.842	ug/l	3.5	10000	
V	51	45	He	0.694	ug/l	11.1	5000	
Cr	52	45	He	0.507	ug/l	17.4	20000	
Mn	55	45	He	230.690	ug/l	0.2	20000	
Fe	56	45	H2	69.949	ug/l	2.2	500000	
Co	59	45	He	2.358	ug/l	2.4	2000	
Ni	60	45	He	1.102	ug/l	16.0	20000	
Cu	63	45	He	0.456	ug/l	4.1	20000	
Zn	66	45	He	16.941	ug/l	9.0	20000	
As	75	74	He	0.393	ug/l	19.1	5000	
Se	78	74	H2	0.191	ug/l	38.5	3000	
Sr	88	115	He	31.423	ug/l	1.7	5000	
Mo	95	115	He	0.119	ug/l	14.4	2000	
Ag	107	115	He	0.005	ug/l	50.0	1000	
Cd	111	115	He	0.124	ug/l	65.1	5000	
Sn	118	115	He	0.236	ug/l	37.5	2000	
Sb	121	115	He	0.006	ug/l	549.0	1000	
Ba	137	159	He	65.818	ug/l	0.9	20000	
Tl	205	209	He	0.011	ug/l	99.7	1000	
[Pb]	206	209	He	4.161	ug/l	3.2		
[Pb]	207	209	He	4.008	ug/l	4.5		
Pb	208	209	He	4.041	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6659834.48	1.6	98.1	60	125	
Sc (ISICPMS)	45	No Gas	7543525.24	1.2	101.0	60	125	
Sc (ISICPMS)	45	H2	2078275.47	0.3	100.1	60	125	
Sc (ISICPMS)	45	He	91532.68	0.4	98.1	60	125	
Ge (IS)	74	H2	390077.18	0.8	101.8	60	125	
Ge (IS)	74	He	54484.07	0.9	105.1	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124237.31	1.4	97.3	60	125	
Tb (IS)	159	He	607355.40	0.0	97.5	60	125	
Bi (IS)	209	He	403219.66	0.3	93.8	60	125	

Sample Report

File Name 030SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:44:36

Sample Name **sd 460-300945-a-14-b@50**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.019	ug/l	19.1	2000	
B	11	6	No Gas	4.735	ug/l	2.4	2000	
Na	23	45	He	29174.723	ug/l	0.2	500000	
Mg	24	45	He	56.723	ug/l	3.1	500000	
Al	27	45	He	4.334	ug/l	49.5	500000	
K	39	45	He	123.009	ug/l	9.1	500000	
Ca	40	45	H2	706.095	ug/l	1.7	1000000	
Ti	47	45	No Gas	0.695	ug/l	7.6	10000	
V	51	45	He	-0.058	ug/l	N/A	5000	
Cr	52	45	He	0.116	ug/l	75.0	20000	
Mn	55	45	He	46.436	ug/l	1.1	20000	
Fe	56	45	H2	13.906	ug/l	1.3	500000	
Co	59	45	He	0.467	ug/l	1.3	2000	
Ni	60	45	He	0.198	ug/l	88.1	20000	
Cu	63	45	He	0.078	ug/l	70.6	20000	
Zn	66	45	He	2.709	ug/l	13.5	20000	
As	75	74	He	0.038	ug/l	222.0	5000	
Se	78	74	H2	0.109	ug/l	89.0	3000	
Sr	88	115	He	6.121	ug/l	2.7	5000	
Mo	95	115	He	0.046	ug/l	25.6	2000	
Ag	107	115	He	0.001	ug/l	314.7	1000	
Cd	111	115	He	0.026	ug/l	86.8	5000	
Sn	118	115	He	0.155	ug/l	59.5	2000	
Sb	121	115	He	-0.004	ug/l	N/A	1000	
Ba	137	159	He	13.314	ug/l	3.7	20000	
Tl	205	209	He	-0.004	ug/l	N/A	1000	
[Pb]	206	209	He	0.838	ug/l	4.3		
[Pb]	207	209	He	0.882	ug/l	1.8		
Pb	208	209	He	0.841	ug/l	2.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6676034.90	0.4	98.4	60	125	
Sc (ISICPMS)	45	No Gas	7583428.08	1.5	101.5	60	125	
Sc (ISICPMS)	45	H2	2089095.37	0.6	100.6	60	125	
Sc (ISICPMS)	45	He	91721.92	0.7	98.3	60	125	
Ge (IS)	74	H2	387331.28	0.5	101.0	60	125	
Ge (IS)	74	He	51841.28	1.9	100.0	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125176.07	0.4	98.0	60	125	
Tb (IS)	159	He	609492.32	0.4	97.8	60	125	
Bi (IS)	209	He	413112.08	0.5	96.1	60	125	

Sample Report

File Name 031SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:47:02

Sample Name **460-303749-a-1-f@10**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	100.8	2000	
B	11	6	No Gas	42.182	ug/l	1.2	2000	
Na	23	45	He	138261.357	ug/l	2.0	500000	
Mg	24	45	He	53.412	ug/l	3.4	500000	
Al	27	45	He	29.350	ug/l	9.2	500000	
K	39	45	He	118.160	ug/l	4.9	500000	
Ca	40	45	H2	472.648	ug/l	1.3	1000000	
Ti	47	45	No Gas	1.402	ug/l	7.7	10000	
V	51	45	He	-0.246	ug/l	N/A	5000	
Cr	52	45	He	22.151	ug/l	1.8	20000	
Mn	55	45	He	299.289	ug/l	1.7	20000	
Fe	56	45	H2	5020.850	ug/l	1.0	500000	
Co	59	45	He	7.313	ug/l	1.8	2000	
Ni	60	45	He	9463.976	ug/l	1.2	20000	
Cu	63	45	He	26.130	ug/l	2.0	20000	
Zn	66	45	He	587.876	ug/l	1.8	20000	
As	75	74	He	0.190	ug/l	32.6	5000	
Se	78	74	H2	0.201	ug/l	10.6	3000	
Sr	88	115	He	1.759	ug/l	6.8	5000	
Mo	95	115	He	10.577	ug/l	0.5	2000	
Ag	107	115	He	0.007	ug/l	119.7	1000	
Cd	111	115	He	0.065	ug/l	34.7	5000	
Sn	118	115	He	0.451	ug/l	19.6	2000	
Sb	121	115	He	0.375	ug/l	27.8	1000	
Ba	137	159	He	14.352	ug/l	4.1	20000	
Tl	205	209	He	0.000	ug/l	N/A	1000	
[Pb]	206	209	He	0.954	ug/l	3.8		
[Pb]	207	209	He	0.961	ug/l	4.4		
Pb	208	209	He	0.937	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6590429.97	1.1	97.1	60	125	
Sc (ISICPMS)	45	No Gas	7523680.24	0.7	100.7	60	125	
Sc (ISICPMS)	45	H2	2091961.36	0.5	100.7	60	125	
Sc (ISICPMS)	45	He	92394.60	1.9	99.0	60	125	
Ge (IS)	74	H2	394107.48	0.5	102.8	60	125	
Ge (IS)	74	He	53629.79	0.7	103.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124946.99	0.1	97.8	60	125	
Tb (IS)	159	He	603627.26	0.7	96.9	60	125	
Bi (IS)	209	He	410248.98	0.7	95.4	60	125	

Sample Report

File Name 032SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:49:28

Sample Name **460-303750-a-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.023	ug/l	7.4	2000	
B	11	6	No Gas	5.801	ug/l	6.7	2000	
Na	23	45	He	143606.143	ug/l	0.1	500000	
Mg	24	45	He	835.430	ug/l	0.3	500000	
Al	27	45	He	23.724	ug/l	7.9	500000	
K	39	45	He	310.348	ug/l	2.7	500000	
Ca	40	45	H2	7327.963	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.695	ug/l	3.6	10000	
V	51	45	He	-0.006	ug/l	N/A	5000	
Cr	52	45	He	0.807	ug/l	40.3	20000	
Mn	55	45	He	19.529	ug/l	2.3	20000	
Fe	56	45	H2	10.904	ug/l	1.8	500000	
Co	59	45	He	0.130	ug/l	24.6	2000	
Ni	60	45	He	2.146	ug/l	6.8	20000	
Cu	63	45	He	26.840	ug/l	0.4	20000	
Zn	66	45	He	247.150	ug/l	0.9	20000	
As	75	74	He	0.371	ug/l	34.3	5000	
Se	78	74	H2	0.129	ug/l	88.0	3000	
Sr	88	115	He	34.804	ug/l	1.9	5000	
Mo	95	115	He	0.163	ug/l	12.5	2000	
Ag	107	115	He	0.004	ug/l	169.3	1000	
Cd	111	115	He	0.862	ug/l	22.6	5000	
Sn	118	115	He	0.252	ug/l	114.5	2000	
Sb	121	115	He	0.194	ug/l	35.6	1000	
Ba	137	159	He	62.567	ug/l	2.5	20000	
Tl	205	209	He	-0.006	ug/l	N/A	1000	
[Pb]	206	209	He	16.475	ug/l	1.4		
[Pb]	207	209	He	15.586	ug/l	1.4		
Pb	208	209	He	15.848	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6639391.08	1.1	97.8	60	125	
Sc (ISICPMS)	45	No Gas	7518539.96	1.4	100.6	60	125	
Sc (ISICPMS)	45	H2	2091089.19	0.9	100.7	60	125	
Sc (ISICPMS)	45	He	91826.03	0.3	98.4	60	125	
Ge (IS)	74	H2	394310.42	1.3	102.9	60	125	
Ge (IS)	74	He	53237.91	1.6	102.7	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124669.50	1.0	97.6	60	125	
Tb (IS)	159	He	608832.30	0.9	97.7	60	125	
Bi (IS)	209	He	407125.15	0.3	94.7	60	125	

Sample Report

File Name 033SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:51:56

Sample Name **460-303751-a-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.094	ug/l	21.3	2000	
B	11	6	No Gas	7.072	ug/l	2.5	2000	
Na	23	45	He	141690.283	ug/l	0.8	500000	
Mg	24	45	He	80.757	ug/l	2.1	500000	
Al	27	45	He	68.451	ug/l	3.6	500000	
K	39	45	He	260.264	ug/l	3.1	500000	
Ca	40	45	H2	634.721	ug/l	0.7	1000000	
Ti	47	45	No Gas	1.770	ug/l	4.3	10000	
V	51	45	He	-0.075	ug/l	N/A	5000	
Cr	52	45	He	0.090	ug/l	68.3	20000	
Mn	55	45	He	28.692	ug/l	2.3	20000	
Fe	56	45	H2	28.923	ug/l	1.9	500000	
Co	59	45	He	0.538	ug/l	8.7	2000	
Ni	60	45	He	1.359	ug/l	26.2	20000	
Cu	63	45	He	0.844	ug/l	7.5	20000	
Zn	66	45	He	2.973	ug/l	31.5	20000	
As	75	74	He	0.086	ug/l	87.2	5000	
Se	78	74	H2	0.084	ug/l	49.8	3000	
Sr	88	115	He	6.487	ug/l	5.3	5000	
Mo	95	115	He	0.016	ug/l	217.0	2000	
Ag	107	115	He	0.002	ug/l	277.1	1000	
Cd	111	115	He	0.020	ug/l	56.0	5000	
Sn	118	115	He	0.250	ug/l	80.2	2000	
Sb	121	115	He	0.011	ug/l	126.8	1000	
Ba	137	159	He	12.416	ug/l	6.6	20000	
Tl	205	209	He	-0.004	ug/l	N/A	1000	
[Pb]	206	209	He	1.949	ug/l	3.8		
[Pb]	207	209	He	2.075	ug/l	10.3		
Pb	208	209	He	1.974	ug/l	3.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6542391.36	0.6	96.4	60	125	
Sc (ISICPMS)	45	No Gas	7489204.75	1.3	100.2	60	125	
Sc (ISICPMS)	45	H2	2076196.93	0.1	100.0	60	125	
Sc (ISICPMS)	45	He	90964.62	0.6	97.5	60	125	
Ge (IS)	74	H2	389967.26	0.4	101.7	60	125	
Ge (IS)	74	He	52933.60	3.2	102.1	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122074.64	0.8	95.6	60	125	
Tb (IS)	159	He	607436.87	1.3	97.5	60	125	
Bi (IS)	209	He	405162.06	0.5	94.2	60	125	

Continuing Calibration Verification (CCV)

File Name 034_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:54:22

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.170	ug/l	1.1	100	90	110	
B	11	6	No Gas	246.489	ug/l	0.8	250	225	275	
Na	23	45	He	25154.957	ug/l	0.3	25000	22500	27500	
Mg	24	45	He	24929.414	ug/l	1.1	25000	22500	27500	
Al	27	45	He	24347.670	ug/l	1.0	25000	22500	27500	
K	39	45	He	24877.277	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	24534.227	ug/l	1.1	25000	22500	27500	
Ti	47	45	No Gas	98.331	ug/l	1.3	100	90	110	
V	51	45	He	97.297	ug/l	1.1	100	90	110	
Cr	52	45	He	98.350	ug/l	1.5	100	90	110	
Mn	55	45	He	98.873	ug/l	1.2	100	90	110	
Fe	56	45	H2	24891.252	ug/l	1.0	25000	22500	27500	
Co	59	45	He	100.632	ug/l	0.8	100	90	110	
Ni	60	45	He	100.889	ug/l	0.9	100	90	110	
Cu	63	45	He	99.191	ug/l	1.4	100	90	110	
Zn	66	45	He	250.355	ug/l	2.9	250	225	275	
As	75	74	He	102.295	ug/l	1.3	100	90	110	
Se	78	74	H2	102.143	ug/l	1.9	100	90	110	
Sr	88	115	He	96.943	ug/l	2.2	100	90	110	
Mo	95	115	He	100.101	ug/l	2.0	100	90	110	
Ag	107	115	He	50.359	ug/l	1.6	50	45	55	
Cd	111	115	He	100.024	ug/l	2.3	100	90	110	
Sn	118	115	He	100.688	ug/l	0.4	100	90	110	
Sb	121	115	He	98.816	ug/l	1.6	100	90	110	
Ba	137	159	He	99.378	ug/l	0.9	100	90	110	
Tl	205	209	He	98.698	ug/l	0.2	100	90	110	
[Pb]	206	209	He	99.344	ug/l	1.7				
[Pb]	207	209	He	98.588	ug/l	0.8				
Pb	208	209	He	98.938	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6755506.22	1.4	99.5	60	125	
Sc (ISICPMS)	45	No Gas	7521044.06	0.6	100.7	60	125	
Sc (ISICPMS)	45	H2	2094654.95	0.1	100.9	60	125	
Sc (ISICPMS)	45	He	91490.70	0.8	98.1	60	125	
Ge (IS)	74	H2	395956.27	0.4	103.3	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53133.95	1.4	102.5	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	125098.40	1.0	97.9	60	125	
Tb (IS)	159	He	610365.84	1.2	98.0	60	125	
Bi (IS)	209	He	410100.29	0.7	95.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 035_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:56:49

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.002	ug/l	58.4	0.8	-0.8	0.8	
B	11	6	No Gas	2.396	ug/l	9.2	40	-40	40	
Na	23	45	He	16.705	ug/l	24.8	500	-500	500	
Mg	24	45	He	0.202	ug/l	118.1	200	-200	200	
Al	27	45	He	0.136	ug/l	1590.3	40	-40	40	
K	39	45	He	20.879	ug/l	17.8	200	-200	200	
Ca	40	45	H2	0.566	ug/l	125.3	500	-500	500	
Ti	47	45	No Gas	0.726	ug/l	6.3	4	-4	4	
V	51	45	He	-0.364	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.170	ug/l	20.4	4	-4	4	
Mn	55	45	He	-0.016	ug/l	N/A	8	-8	8	
Fe	56	45	H2	0.666	ug/l	50.9	60	-60	60	
Co	59	45	He	0.005	ug/l	389.1	4	-4	4	
Ni	60	45	He	-0.128	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.032	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.405	ug/l	N/A	16	-16	16	
As	75	74	He	-0.036	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.147	ug/l	66.1	2.5	-2.5	2.5	
Sr	88	115	He	-0.082	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.039	ug/l	32.0	4	-4	4	
Ag	107	115	He	0.003	ug/l	68.7	2	-2	2	
Cd	111	115	He	-0.006	ug/l	0.0	2	-2	2	
Sn	118	115	He	0.099	ug/l	91.1	16	-16	16	
Sb	121	115	He	-0.017	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.292	ug/l	11.3	4	-4	4	
Tl	205	209	He	-0.002	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.050	ug/l	83.3				
[Pb]	207	209	He	0.054	ug/l	17.9				
Pb	208	209	He	0.047	ug/l	26.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6794565.45	0.3	100.1	60	125	
Sc (ISICPMS)	45	No Gas	7649612.04	0.5	102.4	60	125	
Sc (ISICPMS)	45	H2	2067645.79	0.6	99.6	60	125	
Sc (ISICPMS)	45	He	91639.08	0.1	98.2	60	125	
Ge (IS)	74	H2	382711.50	0.7	99.8	60	125	
Ge (IS)	74	He	51877.83	2.5	100.1	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	125881.49	0.3	98.5	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	609145.78	0.3	97.8	60	125	
Bi (IS)	209	He	420325.79	0.3	97.8	60	125	

Sample Report

File Name 036SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 11:59:15

Sample Name **460-303568-a-1-c@10**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	130.4	2000	
B	11	6	No Gas	48.379	ug/l	0.6	2000	
Na	23	45	He	136329.189	ug/l	0.8	500000	
Mg	24	45	He	65.965	ug/l	3.0	500000	
Al	27	45	He	3.417	ug/l	22.2	500000	
K	39	45	He	100.461	ug/l	25.2	500000	
Ca	40	45	H2	372.111	ug/l	1.2	1000000	
Ti	47	45	No Gas	18.019	ug/l	1.4	10000	
V	51	45	He	0.064	ug/l	99.7	5000	
Cr	52	45	He	1.047	ug/l	19.2	20000	
Mn	55	45	He	5.321	ug/l	6.1	20000	
Fe	56	45	H2	13.689	ug/l	3.3	500000	
Co	59	45	He	0.038	ug/l	46.4	2000	
Ni	60	45	He	0.697	ug/l	4.1	20000	
Cu	63	45	He	0.569	ug/l	4.5	20000	
Zn	66	45	He	3.876	ug/l	8.7	20000	
As	75	74	He	0.190	ug/l	31.9	5000	
Se	78	74	H2	0.158	ug/l	100.6	3000	
Sr	88	115	He	1.054	ug/l	12.3	5000	
Mo	95	115	He	0.187	ug/l	13.2	2000	
Ag	107	115	He	0.002	ug/l	96.1	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.087	ug/l	51.1	2000	
Sb	121	115	He	1.428	ug/l	6.2	1000	
Ba	137	159	He	2.116	ug/l	8.5	20000	
Tl	205	209	He	-0.009	ug/l	N/A	1000	
[Pb]	206	209	He	0.314	ug/l	4.2		
[Pb]	207	209	He	0.351	ug/l	10.9		
Pb	208	209	He	0.325	ug/l	5.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6775499.69	0.2	99.8	60	125	
Sc (ISICPMS)	45	No Gas	7557428.01	0.3	101.1	60	125	
Sc (ISICPMS)	45	H2	2093629.41	0.6	100.8	60	125	
Sc (ISICPMS)	45	He	92867.52	1.1	99.5	60	125	
Ge (IS)	74	H2	410154.35	0.3	107.0	60	125	
Ge (IS)	74	He	56051.95	1.4	108.2	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126749.59	1.4	99.2	60	125	
Tb (IS)	159	He	614848.80	1.0	98.7	60	125	
Bi (IS)	209	He	415267.22	0.4	96.6	60	125	

Sample Report

File Name 037SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:01:42

Sample Name **460-303610-e-1-g@10**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	85.5	2000	
B	11	6	No Gas	5.084	ug/l	2.6	2000	
Na	23	45	He	142528.445	ug/l	1.6	500000	
Mg	24	45	He	686.660	ug/l	1.7	500000	
Al	27	45	He	16.358	ug/l	13.1	500000	
K	39	45	He	124.862	ug/l	8.9	500000	
Ca	40	45	H2	111355.117	ug/l	0.4	1000000	
Ti	47	45	No Gas	1.517	ug/l	12.8	10000	
V	51	45	He	0.017	ug/l	613.8	5000	
Cr	52	45	He	0.177	ug/l	248.1	20000	
Mn	55	45	He	18.278	ug/l	1.8	20000	
Fe	56	45	H2	3.565	ug/l	2.6	500000	
Co	59	45	He	0.094	ug/l	28.2	2000	
Ni	60	45	He	1.665	ug/l	6.6	20000	
Cu	63	45	He	0.744	ug/l	6.2	20000	
Zn	66	45	He	47.645	ug/l	3.3	20000	
As	75	74	He	-0.007	ug/l	N/A	5000	
Se	78	74	H2	0.120	ug/l	70.1	3000	
Sr	88	115	He	145.535	ug/l	1.7	5000	
Mo	95	115	He	0.215	ug/l	10.1	2000	
Ag	107	115	He	0.006	ug/l	97.3	1000	
Cd	111	115	He	0.227	ug/l	38.5	5000	
Sn	118	115	He	0.109	ug/l	115.8	2000	
Sb	121	115	He	0.085	ug/l	28.8	1000	
Ba	137	159	He	6.123	ug/l	0.7	20000	
Tl	205	209	He	-0.006	ug/l	N/A	1000	
[Pb]	206	209	He	3.709	ug/l	3.3		
[Pb]	207	209	He	3.360	ug/l	6.8		
Pb	208	209	He	3.529	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6647725.32	1.1	97.9	60	125	
Sc (ISICPMS)	45	No Gas	7495508.15	0.4	100.3	60	125	
Sc (ISICPMS)	45	H2	2084697.52	0.3	100.4	60	125	
Sc (ISICPMS)	45	He	93033.11	1.3	99.7	60	125	
Ge (IS)	74	H2	389068.33	0.5	101.5	60	125	
Ge (IS)	74	He	54340.15	1.8	104.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124532.32	1.0	97.5	60	125	
Tb (IS)	159	He	612685.12	0.3	98.3	60	125	
Bi (IS)	209	He	408017.98	1.1	94.9	60	125	

Sample Report

File Name 038SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:04:09

Sample Name **460-303610-e-2-f@10**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	15.6	2000	
B	11	6	No Gas	2.889	ug/l	3.0	2000	
Na	23	45	He	149300.119	ug/l	1.0	500000	
Mg	24	45	He	596.154	ug/l	1.3	500000	
Al	27	45	He	14.202	ug/l	17.9	500000	
K	39	45	He	109.910	ug/l	7.0	500000	
Ca	40	45	H2	91090.043	ug/l	1.3	1000000	
Ti	47	45	No Gas	1.260	ug/l	4.6	10000	
V	51	45	He	-0.078	ug/l	N/A	5000	
Cr	52	45	He	0.334	ug/l	42.4	20000	
Mn	55	45	He	63.081	ug/l	0.6	20000	
Fe	56	45	H2	22.145	ug/l	0.7	500000	
Co	59	45	He	0.489	ug/l	5.3	2000	
Ni	60	45	He	3.574	ug/l	4.0	20000	
Cu	63	45	He	459.896	ug/l	1.8	20000	
Zn	66	45	He	2.966	ug/l	16.7	20000	
As	75	74	He	-0.010	ug/l	N/A	5000	
Se	78	74	H2	0.129	ug/l	56.3	3000	
Sr	88	115	He	57.889	ug/l	2.0	5000	
Mo	95	115	He	0.086	ug/l	1.9	2000	
Ag	107	115	He	0.003	ug/l	228.3	1000	
Cd	111	115	He	0.051	ug/l	37.2	5000	
Sn	118	115	He	0.157	ug/l	117.9	2000	
Sb	121	115	He	0.101	ug/l	22.5	1000	
Ba	137	159	He	3.543	ug/l	10.4	20000	
Tl	205	209	He	-0.006	ug/l	N/A	1000	
[Pb]	206	209	He	19.186	ug/l	3.1		
[Pb]	207	209	He	17.193	ug/l	2.1		
Pb	208	209	He	17.987	ug/l	2.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6687270.45	1.2	98.5	60	125	
Sc (ISICPMS)	45	No Gas	7585799.47	1.4	101.5	60	125	
Sc (ISICPMS)	45	H2	2104525.82	0.5	101.3	60	125	
Sc (ISICPMS)	45	He	94249.12	1.1	101.0	60	125	
Ge (IS)	74	H2	395965.97	0.7	103.3	60	125	
Ge (IS)	74	He	54956.39	0.6	106.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127467.76	1.0	99.8	60	125	
Tb (IS)	159	He	623638.24	1.1	100.1	60	125	
Bi (IS)	209	He	412941.45	0.8	96.1	60	125	

Sample Report

File Name 039SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:06:37

Sample Name **460-303610-e-3-f@10**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	116.1	2000	
B	11	6	No Gas	3.140	ug/l	1.0	2000	
Na	23	45	He	143298.382	ug/l	0.8	500000	
Mg	24	45	He	148.560	ug/l	3.2	500000	
Al	27	45	He	9.407	ug/l	22.0	500000	
K	39	45	He	91.021	ug/l	11.1	500000	
Ca	40	45	H2	81853.997	ug/l	1.4	1000000	
Ti	47	45	No Gas	1.346	ug/l	6.6	10000	
V	51	45	He	0.091	ug/l	32.4	5000	
Cr	52	45	He	0.148	ug/l	127.7	20000	
Mn	55	45	He	7.005	ug/l	2.3	20000	
Fe	56	45	H2	3.839	ug/l	5.8	500000	
Co	59	45	He	0.169	ug/l	6.3	2000	
Ni	60	45	He	2.903	ug/l	2.2	20000	
Cu	63	45	He	2.637	ug/l	1.8	20000	
Zn	66	45	He	1.632	ug/l	14.1	20000	
As	75	74	He	0.203	ug/l	30.3	5000	
Se	78	74	H2	0.023	ug/l	326.9	3000	
Sr	88	115	He	51.046	ug/l	0.8	5000	
Mo	95	115	He	0.163	ug/l	21.9	2000	
Ag	107	115	He	0.003	ug/l	92.1	1000	
Cd	111	115	He	0.044	ug/l	107.8	5000	
Sn	118	115	He	0.155	ug/l	44.5	2000	
Sb	121	115	He	0.043	ug/l	116.4	1000	
Ba	137	159	He	2.548	ug/l	3.5	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	7.668	ug/l	1.5		
[Pb]	207	209	He	6.988	ug/l	1.6		
Pb	208	209	He	7.201	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6810766.29	0.5	100.3	60	125	
Sc (ISICPMS)	45	No Gas	7626221.21	1.0	102.1	60	125	
Sc (ISICPMS)	45	H2	2106378.51	0.6	101.4	60	125	
Sc (ISICPMS)	45	He	94039.85	0.6	100.8	60	125	
Ge (IS)	74	H2	393697.73	1.3	102.7	60	125	
Ge (IS)	74	He	54266.43	0.3	104.7	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126564.16	0.9	99.1	60	125	
Tb (IS)	159	He	625671.81	0.4	100.4	60	125	
Bi (IS)	209	He	415735.16	0.6	96.7	60	125	

Sample Report

File Name 040SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:09:03

Sample Name **460-303610-e-4-f@10**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	8.1	2000	
B	11	6	No Gas	15.555	ug/l	1.7	2000	
Na	23	45	He	143117.519	ug/l	0.2	500000	
Mg	24	45	He	949.720	ug/l	0.8	500000	
Al	27	45	He	2.871	ug/l	52.4	500000	
K	39	45	He	169.665	ug/l	1.2	500000	
Ca	40	45	H2	116951.053	ug/l	0.4	1000000	
Ti	47	45	No Gas	1.255	ug/l	7.9	10000	
V	51	45	He	-0.098	ug/l	N/A	5000	
Cr	52	45	He	-0.014	ug/l	N/A	20000	
Mn	55	45	He	90.139	ug/l	0.4	20000	
Fe	56	45	H2	5.479	ug/l	0.8	500000	
Co	59	45	He	0.143	ug/l	9.0	2000	
Ni	60	45	He	5.815	ug/l	1.8	20000	
Cu	63	45	He	0.131	ug/l	33.8	20000	
Zn	66	45	He	0.749	ug/l	80.1	20000	
As	75	74	He	0.097	ug/l	153.2	5000	
Se	78	74	H2	0.046	ug/l	45.7	3000	
Sr	88	115	He	121.377	ug/l	0.3	5000	
Mo	95	115	He	0.251	ug/l	23.3	2000	
Ag	107	115	He	0.004	ug/l	174.5	1000	
Cd	111	115	He	0.032	ug/l	60.7	5000	
Sn	118	115	He	0.165	ug/l	88.1	2000	
Sb	121	115	He	0.337	ug/l	9.0	1000	
Ba	137	159	He	9.628	ug/l	3.9	20000	
Tl	205	209	He	-0.008	ug/l	N/A	1000	
[Pb]	206	209	He	1.557	ug/l	6.1		
[Pb]	207	209	He	1.395	ug/l	3.4		
Pb	208	209	He	1.444	ug/l	2.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6851043.23	1.4	100.9	60	125	
Sc (ISICPMS)	45	No Gas	7663165.23	0.8	102.6	60	125	
Sc (ISICPMS)	45	H2	2113800.16	0.2	101.8	60	125	
Sc (ISICPMS)	45	He	94800.29	0.4	101.6	60	125	
Ge (IS)	74	H2	396061.84	0.8	103.3	60	125	
Ge (IS)	74	He	54229.38	1.6	104.6	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128046.35	1.0	100.2	60	125	
Tb (IS)	159	He	624888.68	0.5	100.3	60	125	
Bi (IS)	209	He	416996.86	0.6	97.0	60	125	

Sample Report

File Name 041SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:11:31

Sample Name **460-303610-e-5-f@10**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	42.7	2000	
B	11	6	No Gas	5.372	ug/l	2.2	2000	
Na	23	45	He	146264.850	ug/l	0.1	500000	
Mg	24	45	He	65.864	ug/l	5.3	500000	
Al	27	45	He	12.592	ug/l	32.1	500000	
K	39	45	He	207.195	ug/l	7.9	500000	
Ca	40	45	H2	84222.554	ug/l	0.4	1000000	
Ti	47	45	No Gas	1.185	ug/l	2.7	10000	
V	51	45	He	-0.087	ug/l	N/A	5000	
Cr	52	45	He	0.280	ug/l	104.3	20000	
Mn	55	45	He	74.811	ug/l	0.9	20000	
Fe	56	45	H2	17.804	ug/l	1.1	500000	
Co	59	45	He	0.035	ug/l	65.2	2000	
Ni	60	45	He	0.205	ug/l	28.5	20000	
Cu	63	45	He	2.029	ug/l	5.8	20000	
Zn	66	45	He	-0.171	ug/l	N/A	20000	
As	75	74	He	0.041	ug/l	314.7	5000	
Se	78	74	H2	0.023	ug/l	89.5	3000	
Sr	88	115	He	46.348	ug/l	0.9	5000	
Mo	95	115	He	0.045	ug/l	29.8	2000	
Ag	107	115	He	0.000	ug/l	61461.2	1000	
Cd	111	115	He	0.000	ug/l	35161.1	5000	
Sn	118	115	He	0.097	ug/l	48.1	2000	
Sb	121	115	He	0.084	ug/l	38.4	1000	
Ba	137	159	He	2.031	ug/l	13.6	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	7.194	ug/l	1.6		
[Pb]	207	209	He	6.480	ug/l	2.6		
Pb	208	209	He	6.693	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6841554.41	0.7	100.8	60	125	
Sc (ISICPMS)	45	No Gas	7619940.58	0.1	102.0	60	125	
Sc (ISICPMS)	45	H2	2106502.73	1.1	101.4	60	125	
Sc (ISICPMS)	45	He	92354.81	0.7	99.0	60	125	
Ge (IS)	74	H2	393175.20	0.7	102.6	60	125	
Ge (IS)	74	He	54875.88	1.9	105.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126828.97	0.5	99.3	60	125	
Tb (IS)	159	He	621625.92	1.0	99.8	60	125	
Bi (IS)	209	He	415542.81	0.8	96.7	60	125	

Sample Report

File Name 042SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:13:57

Sample Name **460-303645-a-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	749.6	2000	
B	11	6	No Gas	18.905	ug/l	0.9	2000	
Na	23	45	He	146390.045	ug/l	0.7	500000	
Mg	24	45	He	6109.739	ug/l	0.9	500000	
Al	27	45	He	2.005	ug/l	68.6	500000	
K	39	45	He	1520.304	ug/l	0.7	500000	
Ca	40	45	H2	136705.153	ug/l	1.1	1000000	
Ti	47	45	No Gas	1.658	ug/l	6.9	10000	
V	51	45	He	0.449	ug/l	28.9	5000	
Cr	52	45	He	0.108	ug/l	87.8	20000	
Mn	55	45	He	31.369	ug/l	1.6	20000	
Fe	56	45	H2	2.484	ug/l	4.5	500000	
Co	59	45	He	0.750	ug/l	5.1	2000	
Ni	60	45	He	1.499	ug/l	9.9	20000	
Cu	63	45	He	0.567	ug/l	9.2	20000	
Zn	66	45	He	4.421	ug/l	11.8	20000	
As	75	74	He	-0.016	ug/l	N/A	5000	
Se	78	74	H2	0.102	ug/l	67.6	3000	
Sr	88	115	He	390.782	ug/l	1.3	5000	
Mo	95	115	He	0.355	ug/l	16.8	2000	
Ag	107	115	He	0.008	ug/l	24.6	1000	
Cd	111	115	He	0.032	ug/l	120.9	5000	
Sn	118	115	He	0.114	ug/l	129.7	2000	
Sb	121	115	He	0.006	ug/l	218.8	1000	
Ba	137	159	He	14.033	ug/l	4.5	20000	
Tl	205	209	He	-0.009	ug/l	N/A	1000	
[Pb]	206	209	He	0.092	ug/l	15.7		
[Pb]	207	209	He	0.115	ug/l	19.9		
Pb	208	209	He	0.101	ug/l	3.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6697152.19	0.7	98.7	60	125	
Sc (ISICPMS)	45	No Gas	7567162.04	0.6	101.3	60	125	
Sc (ISICPMS)	45	H2	2100748.81	0.7	101.2	60	125	
Sc (ISICPMS)	45	He	93697.25	1.6	100.4	60	125	
Ge (IS)	74	H2	405682.40	0.3	105.8	60	125	
Ge (IS)	74	He	56541.18	0.2	109.1	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127804.77	1.0	100.0	60	125	
Tb (IS)	159	He	629930.67	0.3	101.1	60	125	
Bi (IS)	209	He	419106.89	0.1	97.5	60	125	

Sample Report

File Name 043SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:16:25

Sample Name **460-303650-c-2-c@10**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	43.9	2000	
B	11	6	No Gas	23.006	ug/l	0.5	2000	
Na	23	45	He	137325.453	ug/l	1.0	500000	
Mg	24	45	He	186.732	ug/l	2.1	500000	
Al	27	45	He	13.518	ug/l	22.6	500000	
K	39	45	He	359.797	ug/l	2.4	500000	
Ca	40	45	H2	1853.919	ug/l	0.6	1000000	
Ti	47	45	No Gas	1.198	ug/l	4.4	10000	
V	51	45	He	0.229	ug/l	13.3	5000	
Cr	52	45	He	0.115	ug/l	169.2	20000	
Mn	55	45	He	24.785	ug/l	1.1	20000	
Fe	56	45	H2	50.376	ug/l	0.5	500000	
Co	59	45	He	0.548	ug/l	7.0	2000	
Ni	60	45	He	3.306	ug/l	1.9	20000	
Cu	63	45	He	36.347	ug/l	2.2	20000	
Zn	66	45	He	35.313	ug/l	5.4	20000	
As	75	74	He	0.124	ug/l	206.4	5000	
Se	78	74	H2	0.104	ug/l	66.9	3000	
Sr	88	115	He	11.042	ug/l	6.4	5000	
Mo	95	115	He	1.302	ug/l	4.9	2000	
Ag	107	115	He	0.005	ug/l	20.4	1000	
Cd	111	115	He	6.685	ug/l	9.9	5000	
Sn	118	115	He	0.303	ug/l	13.5	2000	
Sb	121	115	He	1.654	ug/l	9.1	1000	
Ba	137	159	He	10.880	ug/l	11.3	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	7.198	ug/l	0.6		
[Pb]	207	209	He	6.997	ug/l	1.2		
Pb	208	209	He	7.086	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6774570.04	0.8	99.8	60	125	
Sc (ISICPMS)	45	No Gas	7638995.30	0.9	102.2	60	125	
Sc (ISICPMS)	45	H2	2120309.79	0.3	102.1	60	125	
Sc (ISICPMS)	45	He	94945.73	1.5	101.8	60	125	
Ge (IS)	74	H2	398297.28	1.1	103.9	60	125	
Ge (IS)	74	He	55271.36	1.7	106.7	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127659.58	0.9	99.9	60	125	
Tb (IS)	159	He	629189.34	0.3	101.0	60	125	
Bi (IS)	209	He	424230.52	0.2	98.7	60	125	

Sample Report

File Name 044SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:18:50

Sample Name **460-303650-c-3-c@10**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	61.2	2000	
B	11	6	No Gas	77.634	ug/l	2.8	2000	
Na	23	45	He	136163.391	ug/l	0.5	500000	
Mg	24	45	He	139.577	ug/l	2.2	500000	
Al	27	45	He	4.369	ug/l	33.3	500000	
K	39	45	He	291.051	ug/l	2.9	500000	
Ca	40	45	H2	753.434	ug/l	1.1	1000000	
Ti	47	45	No Gas	1.207	ug/l	12.1	10000	
V	51	45	He	-0.017	ug/l	N/A	5000	
Cr	52	45	He	0.380	ug/l	50.0	20000	
Mn	55	45	He	0.779	ug/l	20.3	20000	
Fe	56	45	H2	1.944	ug/l	8.7	500000	
Co	59	45	He	0.034	ug/l	80.3	2000	
Ni	60	45	He	0.632	ug/l	43.9	20000	
Cu	63	45	He	1.516	ug/l	3.5	20000	
Zn	66	45	He	1.215	ug/l	26.5	20000	
As	75	74	He	0.010	ug/l	512.4	5000	
Se	78	74	H2	0.104	ug/l	2.2	3000	
Sr	88	115	He	3.215	ug/l	3.6	5000	
Mo	95	115	He	0.140	ug/l	43.4	2000	
Ag	107	115	He	0.006	ug/l	146.4	1000	
Cd	111	115	He	0.095	ug/l	50.9	5000	
Sn	118	115	He	0.141	ug/l	50.1	2000	
Sb	121	115	He	0.036	ug/l	114.4	1000	
Ba	137	159	He	3.383	ug/l	11.7	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	0.407	ug/l	4.4		
[Pb]	207	209	He	0.422	ug/l	2.0		
Pb	208	209	He	0.416	ug/l	3.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6733086.64	0.3	99.2	60	125	
Sc (ISICPMS)	45	No Gas	7549230.37	0.2	101.0	60	125	
Sc (ISICPMS)	45	H2	2133531.69	0.7	102.7	60	125	
Sc (ISICPMS)	45	He	93900.04	0.5	100.6	60	125	
Ge (IS)	74	H2	401072.22	1.6	104.6	60	125	
Ge (IS)	74	He	54128.85	1.2	104.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127931.27	0.6	100.1	60	125	
Tb (IS)	159	He	627812.59	0.8	100.8	60	125	
Bi (IS)	209	He	422133.86	0.8	98.2	60	125	

Sample Report

File Name 045SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:21:17

Sample Name **460-303672-a-1-o@10**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	382.1	2000	
B	11	6	No Gas	11.534	ug/l	4.2	2000	
Na	23	45	He	147258.694	ug/l	1.1	500000	
Mg	24	45	He	1948.159	ug/l	0.7	500000	
Al	27	45	He	4.120	ug/l	39.5	500000	
K	39	45	He	2456.674	ug/l	1.7	500000	
Ca	40	45	H2	92365.230	ug/l	1.2	1000000	
Ti	47	45	No Gas	1.553	ug/l	6.6	10000	
V	51	45	He	0.011	ug/l	139.0	5000	
Cr	52	45	He	0.481	ug/l	38.2	20000	
Mn	55	45	He	150.928	ug/l	1.4	20000	
Fe	56	45	H2	20.736	ug/l	2.4	500000	
Co	59	45	He	0.587	ug/l	8.1	2000	
Ni	60	45	He	7.335	ug/l	6.6	20000	
Cu	63	45	He	0.047	ug/l	164.0	20000	
Zn	66	45	He	4.230	ug/l	18.8	20000	
As	75	74	He	0.074	ug/l	82.5	5000	
Se	78	74	H2	0.125	ug/l	83.9	3000	
Sr	88	115	He	424.381	ug/l	0.2	5000	
Mo	95	115	He	2.419	ug/l	4.3	2000	
Ag	107	115	He	0.004	ug/l	109.0	1000	
Cd	111	115	He	0.006	ug/l	350.2	5000	
Sn	118	115	He	0.131	ug/l	58.6	2000	
Sb	121	115	He	0.625	ug/l	14.9	1000	
Ba	137	159	He	49.601	ug/l	3.4	20000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
[Pb]	206	209	He	0.301	ug/l	22.3		
[Pb]	207	209	He	0.303	ug/l	8.1		
Pb	208	209	He	0.305	ug/l	8.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6821461.22	1.0	100.5	60	125	
Sc (ISICPMS)	45	No Gas	7578876.76	0.7	101.4	60	125	
Sc (ISICPMS)	45	H2	2120118.89	1.3	102.1	60	125	
Sc (ISICPMS)	45	He	93251.02	1.1	99.9	60	125	
Ge (IS)	74	H2	405068.31	1.0	105.7	60	125	
Ge (IS)	74	He	55425.22	0.9	106.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128585.20	1.0	100.7	60	125	
Tb (IS)	159	He	627364.04	1.1	100.7	60	125	
Bi (IS)	209	He	419087.91	0.5	97.5	60	125	

Continuing Calibration Verification (CCV)

File Name 046_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:23:44

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.189	ug/l	0.7	100	90	110	
B	11	6	No Gas	242.124	ug/l	0.7	250	225	275	
Na	23	45	He	25183.985	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25146.150	ug/l	0.6	25000	22500	27500	
Al	27	45	He	24739.868	ug/l	0.7	25000	22500	27500	
K	39	45	He	24991.066	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	24732.373	ug/l	2.0	25000	22500	27500	
Ti	47	45	No Gas	96.388	ug/l	0.6	100	90	110	
V	51	45	He	97.893	ug/l	1.1	100	90	110	
Cr	52	45	He	99.691	ug/l	0.4	100	90	110	
Mn	55	45	He	99.314	ug/l	1.1	100	90	110	
Fe	56	45	H2	25356.197	ug/l	1.4	25000	22500	27500	
Co	59	45	He	100.013	ug/l	1.2	100	90	110	
Ni	60	45	He	99.736	ug/l	0.3	100	90	110	
Cu	63	45	He	98.678	ug/l	1.3	100	90	110	
Zn	66	45	He	246.941	ug/l	0.8	250	225	275	
As	75	74	He	99.163	ug/l	0.8	100	90	110	
Se	78	74	H2	99.472	ug/l	1.3	100	90	110	
Sr	88	115	He	97.024	ug/l	1.3	100	90	110	
Mo	95	115	He	99.004	ug/l	1.7	100	90	110	
Ag	107	115	He	50.583	ug/l	0.8	50	45	55	
Cd	111	115	He	99.505	ug/l	2.9	100	90	110	
Sn	118	115	He	99.238	ug/l	1.3	100	90	110	
Sb	121	115	He	99.744	ug/l	1.3	100	90	110	
Ba	137	159	He	98.410	ug/l	0.6	100	90	110	
Tl	205	209	He	99.395	ug/l	1.4	100	90	110	
[Pb]	206	209	He	99.170	ug/l	0.5				
[Pb]	207	209	He	99.007	ug/l	1.4				
Pb	208	209	He	99.437	ug/l	1.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6875760.04	1.1	101.3	60	125	
Sc (ISICPMS)	45	No Gas	7586621.69	1.2	101.5	60	125	
Sc (ISICPMS)	45	H2	2076636.36	1.8	100.0	60	125	
Sc (ISICPMS)	45	He	92632.81	0.8	99.3	60	125	
Ge (IS)	74	H2	397462.47	0.5	103.7	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	54919.21	1.2	106.0	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	128589.62	0.2	100.7	60	125	
Tb (IS)	159	He	632311.39	0.6	101.5	60	125	
Bi (IS)	209	He	425920.19	1.0	99.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 047_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:26:10

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.003	ug/l	108.5	0.8	-0.8	0.8	
B	11	6	No Gas	2.169	ug/l	6.8	40	-40	40	
Na	23	45	He	21.357	ug/l	36.0	500	-500	500	
Mg	24	45	He	-0.073	ug/l	N/A	200	-200	200	
Al	27	45	He	1.322	ug/l	144.1	40	-40	40	
K	39	45	He	10.348	ug/l	117.7	200	-200	200	
Ca	40	45	H2	2.470	ug/l	21.9	500	-500	500	
Ti	47	45	No Gas	0.573	ug/l	4.0	4	-4	4	
V	51	45	He	-0.230	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.029	ug/l	974.9	4	-4	4	
Mn	55	45	He	0.022	ug/l	133.4	8	-8	8	
Fe	56	45	H2	1.074	ug/l	14.1	60	-60	60	
Co	59	45	He	-0.001	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.123	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.133	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.306	ug/l	N/A	16	-16	16	
As	75	74	He	-0.041	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.143	ug/l	89.7	2.5	-2.5	2.5	
Sr	88	115	He	-0.074	ug/l	N/A	4	-4	4	
Mo	95	115	He	-0.011	ug/l	N/A	4	-4	4	
Ag	107	115	He	0.002	ug/l	121.9	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.025	ug/l	654.9	16	-16	16	
Sb	121	115	He	-0.005	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.213	ug/l	12.9	4	-4	4	
Tl	205	209	He	-0.001	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.044	ug/l	24.4				
[Pb]	207	209	He	0.046	ug/l	45.8				
Pb	208	209	He	0.028	ug/l	27.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6974206.15	1.1	102.8	60	125	
Sc (ISICPMS)	45	No Gas	7589754.47	0.6	101.6	60	125	
Sc (ISICPMS)	45	H2	2104920.79	1.3	101.4	60	125	
Sc (ISICPMS)	45	He	94224.37	1.1	101.0	60	125	
Ge (IS)	74	H2	389339.02	1.3	101.6	60	125	
Ge (IS)	74	He	53489.39	0.6	103.2	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	130502.12	1.5	102.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	635417.51	0.1	102.0	60	125	
Bi (IS)	209	He	436995.50	0.4	101.6	60	125	

Sample Report

File Name 048SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:28:36

Sample Name **lb 460-974569/1-c@10**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	204.9	2000	
B	11	6	No Gas	1.399	ug/l	8.2	2000	
Na	23	45	He	137922.184	ug/l	0.9	500000	
Mg	24	45	He	0.922	ug/l	60.3	500000	
Al	27	45	He	-0.509	ug/l	N/A	500000	
K	39	45	He	43.685	ug/l	17.6	500000	
Ca	40	45	H2	61.034	ug/l	1.1	1000000	
Ti	47	45	No Gas	1.164	ug/l	5.0	10000	
V	51	45	He	-0.300	ug/l	N/A	5000	
Cr	52	45	He	0.038	ug/l	484.4	20000	
Mn	55	45	He	0.006	ug/l	947.9	20000	
Fe	56	45	H2	1.039	ug/l	18.1	500000	
Co	59	45	He	0.014	ug/l	86.2	2000	
Ni	60	45	He	0.426	ug/l	11.3	20000	
Cu	63	45	He	-0.074	ug/l	N/A	20000	
Zn	66	45	He	-0.930	ug/l	N/A	20000	
As	75	74	He	-0.007	ug/l	N/A	5000	
Se	78	74	H2	0.104	ug/l	88.1	3000	
Sr	88	115	He	0.066	ug/l	31.4	5000	
Mo	95	115	He	0.007	ug/l	529.6	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.122	ug/l	103.3	2000	
Sb	121	115	He	-0.012	ug/l	N/A	1000	
Ba	137	159	He	0.380	ug/l	26.3	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	0.037	ug/l	66.7		
[Pb]	207	209	He	0.062	ug/l	12.1		
Pb	208	209	He	0.055	ug/l	6.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6714470.24	1.0	98.9	60	125	
Sc (ISICPMS)	45	No Gas	7532687.46	0.3	100.8	60	125	
Sc (ISICPMS)	45	H2	2116460.71	1.0	101.9	60	125	
Sc (ISICPMS)	45	He	92804.50	0.4	99.5	60	125	
Ge (IS)	74	H2	398840.60	1.6	104.0	60	125	
Ge (IS)	74	He	54004.85	0.6	104.2	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127348.79	0.5	99.7	60	125	
Tb (IS)	159	He	627116.33	0.9	100.7	60	125	
Bi (IS)	209	He	423489.35	0.6	98.5	60	125	

Sample Report

File Name 049SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:31:04

Sample Name **460-303237-a-37-a**

Comment ---

Dilution **1.0000**

Vial # 3209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.185	ug/l	4.0	2000	
B	11	6	No Gas	47.198	ug/l	2.5	2000	
Na	23	45	He	3302.968	ug/l	1.2	500000	
Mg	24	45	He	22088.058	ug/l	1.2	500000	
Al	27	45	He	181557.331	ug/l	0.4	500000	
K	39	45	He	8273.382	ug/l	0.4	500000	
Ca	40	45	H2	7201.628	ug/l	1.1	1000000	
Ti	47	45	No Gas	1818.729	ug/l	1.1	10000	
V	51	45	He	323.943	ug/l	0.3	5000	
Cr	52	45	He	234.864	ug/l	1.3	20000	
Mn	55	45	He	998.814	ug/l	0.1	20000	
Fe	56	45	H2	228496.106	ug/l	1.2	500000	
Co	59	45	He	42.592	ug/l	2.8	2000	
Ni	60	45	He	110.955	ug/l	0.5	20000	
Cu	63	45	He	117.294	ug/l	0.8	20000	
Zn	66	45	He	446.128	ug/l	0.5	20000	
As	75	74	He	83.379	ug/l	1.8	5000	
Se	78	74	H2	4.946	ug/l	8.3	3000	
Sr	88	115	He	57.738	ug/l	1.3	5000	
Mo	95	115	He	8.570	ug/l	0.6	2000	
Ag	107	115	He	0.310	ug/l	6.4	1000	
Cd	111	115	He	0.594	ug/l	8.7	5000	
Sn	118	115	He	18.997	ug/l	3.8	2000	
Sb	121	115	He	1.919	ug/l	2.8	1000	
Ba	137	159	He	552.581	ug/l	1.2	20000	
Tl	205	209	He	1.460	ug/l	4.4	1000	
[Pb]	206	209	He	258.989	ug/l	1.0		
[Pb]	207	209	He	245.400	ug/l	0.2		
Pb	208	209	He	251.186	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6759074.00	0.6	99.6	60	125	
Sc (ISICPMS)	45	No Gas	8012768.28	0.7	107.2	60	125	
Sc (ISICPMS)	45	H2	2206576.55	0.3	106.3	60	125	
Sc (ISICPMS)	45	He	98540.94	0.9	105.6	60	125	
Ge (IS)	74	H2	409457.64	1.0	106.8	60	125	
Ge (IS)	74	He	55693.60	1.7	107.5	60	125	
Kr	83	He	133.47	4.3	4000.1			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127810.74	1.3	100.0	60	125	
Tb (IS)	159	He	643460.53	1.1	103.3	60	125	
Bi (IS)	209	He	424537.30	1.2	98.8	60	125	

Sample Report

File Name 050SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:33:31

Sample Name **460-303237-a-38-a**

Comment ---

Dilution **1.0000**

Vial # 3210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.791	ug/l	1.1	2000	
B	11	6	No Gas	44.386	ug/l	2.1	2000	
Na	23	45	He	2428.555	ug/l	0.6	500000	
Mg	24	45	He	17675.403	ug/l	1.4	500000	
Al	27	45	He	149394.900	ug/l	0.6	500000	
K	39	45	He	7274.401	ug/l	1.1	500000	
Ca	40	45	H2	4878.133	ug/l	0.4	1000000	
Ti	47	45	No Gas	1841.701	ug/l	0.4	10000	
V	51	45	He	258.124	ug/l	1.5	5000	
Cr	52	45	He	189.872	ug/l	1.5	20000	
Mn	55	45	He	666.651	ug/l	1.7	20000	
Fe	56	45	H2	178375.674	ug/l	0.4	500000	
Co	59	45	He	33.394	ug/l	2.0	2000	
Ni	60	45	He	91.940	ug/l	0.9	20000	
Cu	63	45	He	94.231	ug/l	1.4	20000	
Zn	66	45	He	337.599	ug/l	0.4	20000	
As	75	74	He	65.173	ug/l	0.7	5000	
Se	78	74	H2	3.004	ug/l	12.4	3000	
Sr	88	115	He	39.729	ug/l	1.8	5000	
Mo	95	115	He	7.114	ug/l	1.6	2000	
Ag	107	115	He	0.217	ug/l	6.7	1000	
Cd	111	115	He	0.355	ug/l	10.8	5000	
Sn	118	115	He	15.396	ug/l	2.9	2000	
Sb	121	115	He	0.975	ug/l	13.4	1000	
Ba	137	159	He	378.385	ug/l	0.5	20000	
Tl	205	209	He	1.094	ug/l	2.4	1000	
[Pb]	206	209	He	169.810	ug/l	0.4		
[Pb]	207	209	He	161.690	ug/l	0.9		
Pb	208	209	He	164.826	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6853279.55	1.7	101.0	60	125	
Sc (ISICPMS)	45	No Gas	8064751.90	0.6	107.9	60	125	
Sc (ISICPMS)	45	H2	2234081.65	0.4	107.6	60	125	
Sc (ISICPMS)	45	He	98125.38	0.5	105.2	60	125	
Ge (IS)	74	H2	414968.52	0.7	108.2	60	125	
Ge (IS)	74	He	58059.12	1.1	112.0	60	125	
Kr	83	He	40.04	66.1	1200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127485.81	1.6	99.8	60	125	
Tb (IS)	159	He	635883.74	0.5	102.1	60	125	
Bi (IS)	209	He	424767.11	0.5	98.8	60	125	

Sample Report

File Name 051SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:35:59

Sample Name **460-303237-a-39-a**

Comment ---

Dilution **1.0000**

Vial # 3211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.927	ug/l	0.9	2000	
B	11	6	No Gas	49.522	ug/l	0.8	2000	
Na	23	45	He	3321.291	ug/l	0.4	500000	
Mg	24	45	He	22271.225	ug/l	1.0	500000	
Al	27	45	He	177466.346	ug/l	0.6	500000	
K	39	45	He	8650.916	ug/l	0.2	500000	
Ca	40	45	H2	6659.896	ug/l	0.2	1000000	
Ti	47	45	No Gas	1988.169	ug/l	0.4	10000	
V	51	45	He	320.740	ug/l	0.3	5000	
Cr	52	45	He	224.640	ug/l	0.9	20000	
Mn	55	45	He	920.065	ug/l	1.1	20000	
Fe	56	45	H2	221809.174	ug/l	0.8	500000	
Co	59	45	He	42.157	ug/l	1.1	2000	
Ni	60	45	He	110.796	ug/l	0.2	20000	
Cu	63	45	He	111.798	ug/l	1.3	20000	
Zn	66	45	He	413.668	ug/l	1.6	20000	
As	75	74	He	75.786	ug/l	2.1	5000	
Se	78	74	H2	4.687	ug/l	4.6	3000	
Sr	88	115	He	55.768	ug/l	1.2	5000	
Mo	95	115	He	8.560	ug/l	2.7	2000	
Ag	107	115	He	0.283	ug/l	7.2	1000	
Cd	111	115	He	0.505	ug/l	8.2	5000	
Sn	118	115	He	17.262	ug/l	2.9	2000	
Sb	121	115	He	1.193	ug/l	5.7	1000	
Ba	137	159	He	501.029	ug/l	0.7	20000	
Tl	205	209	He	1.438	ug/l	1.3	1000	
[Pb]	206	209	He	171.907	ug/l	0.4		
[Pb]	207	209	He	164.674	ug/l	0.2		
Pb	208	209	He	167.596	ug/l	0.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6691571.36	0.7	98.6	60	125	
Sc (ISICPMS)	45	No Gas	8241393.70	0.5	110.3	60	125	
Sc (ISICPMS)	45	H2	2285108.54	0.8	110.0	60	125	
Sc (ISICPMS)	45	He	100810.83	0.5	108.1	60	125	
Ge (IS)	74	H2	421719.13	0.3	110.0	60	125	
Ge (IS)	74	He	59801.44	0.3	115.4	60	125	
Kr	83	He	66.73	37.7	2000.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129585.42	1.3	101.4	60	125	
Tb (IS)	159	He	651146.55	0.6	104.5	60	125	
Bi (IS)	209	He	430567.82	0.5	100.2	60	125	

Sample Report

File Name 052SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:38:27

Sample Name **460-303237-a-40-a**

Comment ---

Dilution **1.0000**

Vial # 3212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.716	ug/l	0.8	2000	
B	11	6	No Gas	41.854	ug/l	0.9	2000	
Na	23	45	He	3245.853	ug/l	1.1	500000	
Mg	24	45	He	21665.622	ug/l	0.6	500000	
Al	27	45	He	173346.257	ug/l	0.6	500000	
K	39	45	He	7845.358	ug/l	0.7	500000	
Ca	40	45	H2	6608.699	ug/l	1.4	1000000	
Ti	47	45	No Gas	1739.177	ug/l	0.9	10000	
V	51	45	He	313.839	ug/l	0.8	5000	
Cr	52	45	He	221.117	ug/l	0.5	20000	
Mn	55	45	He	918.155	ug/l	1.6	20000	
Fe	56	45	H2	215144.932	ug/l	1.4	500000	
Co	59	45	He	41.853	ug/l	1.0	2000	
Ni	60	45	He	108.400	ug/l	2.1	20000	
Cu	63	45	He	106.615	ug/l	0.6	20000	
Zn	66	45	He	402.151	ug/l	0.4	20000	
As	75	74	He	78.079	ug/l	2.9	5000	
Se	78	74	H2	4.763	ug/l	5.6	3000	
Sr	88	115	He	53.378	ug/l	1.0	5000	
Mo	95	115	He	8.120	ug/l	2.2	2000	
Ag	107	115	He	0.295	ug/l	15.9	1000	
Cd	111	115	He	0.388	ug/l	35.6	5000	
Sn	118	115	He	21.599	ug/l	3.0	2000	
Sb	121	115	He	1.380	ug/l	12.6	1000	
Ba	137	159	He	499.084	ug/l	1.3	20000	
Tl	205	209	He	1.452	ug/l	2.8	1000	
[Pb]	206	209	He	154.130	ug/l	0.6		
[Pb]	207	209	He	146.141	ug/l	0.9		
Pb	208	209	He	149.037	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6741018.02	0.6	99.3	60	125	
Sc (ISICPMS)	45	No Gas	8335606.40	0.4	111.6	60	125	
Sc (ISICPMS)	45	H2	2320068.80	0.7	111.7	60	125	
Sc (ISICPMS)	45	He	101119.44	0.3	108.4	60	125	
Ge (IS)	74	H2	428578.62	1.2	111.8	60	125	
Ge (IS)	74	He	59158.10	0.3	114.2	60	125	
Kr	83	He	90.09	11.1	2700.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131136.53	0.2	102.7	60	125	
Tb (IS)	159	He	649067.82	0.2	104.2	60	125	
Bi (IS)	209	He	431567.52	0.7	100.4	60	125	

Sample Report

File Name 053SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:40:55

Sample Name **460-303237-a-41-a**

Comment ---

Dilution **1.0000**

Vial # 3301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.166	ug/l	0.6	2000	
B	11	6	No Gas	46.018	ug/l	1.5	2000	
Na	23	45	He	2975.781	ug/l	0.6	500000	
Mg	24	45	He	21771.890	ug/l	0.4	500000	
Al	27	45	He	173832.101	ug/l	0.4	500000	
K	39	45	He	8001.944	ug/l	0.1	500000	
Ca	40	45	H2	6172.225	ug/l	1.5	1000000	
Ti	47	45	No Gas	1913.864	ug/l	1.8	10000	
V	51	45	He	330.311	ug/l	0.2	5000	
Cr	52	45	He	253.463	ug/l	0.3	20000	
Mn	55	45	He	924.502	ug/l	0.4	20000	
Fe	56	45	H2	228563.088	ug/l	0.8	500000	
Co	59	45	He	43.436	ug/l	1.1	2000	
Ni	60	45	He	115.233	ug/l	1.1	20000	
Cu	63	45	He	122.208	ug/l	0.4	20000	
Zn	66	45	He	432.848	ug/l	2.0	20000	
As	75	74	He	82.144	ug/l	1.2	5000	
Se	78	74	H2	3.918	ug/l	6.3	3000	
Sr	88	115	He	51.903	ug/l	0.8	5000	
Mo	95	115	He	8.493	ug/l	2.2	2000	
Ag	107	115	He	0.319	ug/l	9.7	1000	
Cd	111	115	He	0.546	ug/l	7.8	5000	
Sn	118	115	He	18.738	ug/l	3.5	2000	
Sb	121	115	He	1.339	ug/l	4.6	1000	
Ba	137	159	He	482.928	ug/l	1.4	20000	
Tl	205	209	He	1.433	ug/l	1.2	1000	
[Pb]	206	209	He	230.153	ug/l	2.2		
[Pb]	207	209	He	218.561	ug/l	1.5		
Pb	208	209	He	222.707	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6621408.51	1.3	97.6	60	125	
Sc (ISICPMS)	45	No Gas	8254946.20	1.6	110.5	60	125	
Sc (ISICPMS)	45	H2	2279968.58	1.1	109.8	60	125	
Sc (ISICPMS)	45	He	97999.17	0.6	105.0	60	125	
Ge (IS)	74	H2	417292.80	0.1	108.9	60	125	
Ge (IS)	74	He	56567.92	1.2	109.2	60	125	
Kr	83	He	93.43	6.2	2800.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125828.31	0.5	98.5	60	125	
Tb (IS)	159	He	637950.79	0.6	102.4	60	125	
Bi (IS)	209	He	426180.51	0.8	99.1	60	125	

Continuing Calibration Verification (CCV)

File Name 054_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:43:22

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.852	ug/l	0.4	100	90	110	
B	11	6	No Gas	253.168	ug/l	0.8	250	225	275	
Na	23	45	He	25183.950	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	24999.538	ug/l	1.1	25000	22500	27500	
Al	27	45	He	24054.772	ug/l	0.7	25000	22500	27500	
K	39	45	He	24844.515	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	24709.378	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	97.733	ug/l	1.4	100	90	110	
V	51	45	He	97.707	ug/l	2.0	100	90	110	
Cr	52	45	He	100.031	ug/l	0.5	100	90	110	
Mn	55	45	He	98.557	ug/l	0.2	100	90	110	
Fe	56	45	H2	25438.876	ug/l	1.6	25000	22500	27500	
Co	59	45	He	101.834	ug/l	0.8	100	90	110	
Ni	60	45	He	102.517	ug/l	1.5	100	90	110	
Cu	63	45	He	101.231	ug/l	1.0	100	90	110	
Zn	66	45	He	248.287	ug/l	2.4	250	225	275	
As	75	74	He	103.021	ug/l	1.0	100	90	110	
Se	78	74	H2	100.568	ug/l	0.4	100	90	110	
Sr	88	115	He	95.099	ug/l	1.0	100	90	110	
Mo	95	115	He	100.646	ug/l	1.1	100	90	110	
Ag	107	115	He	50.618	ug/l	0.9	50	45	55	
Cd	111	115	He	99.131	ug/l	2.5	100	90	110	
Sn	118	115	He	99.027	ug/l	1.5	100	90	110	
Sb	121	115	He	98.857	ug/l	1.2	100	90	110	
Ba	137	159	He	97.588	ug/l	2.4	100	90	110	
Tl	205	209	He	99.482	ug/l	1.3	100	90	110	
[Pb]	206	209	He	99.983	ug/l	1.0				
[Pb]	207	209	He	99.428	ug/l	1.5				
Pb	208	209	He	99.383	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6476853.38	0.3	95.4	60	125	
Sc (ISICPMS)	45	No Gas	7786081.62	0.2	104.2	60	125	
Sc (ISICPMS)	45	H2	2154039.29	1.1	103.7	60	125	
Sc (ISICPMS)	45	He	93755.39	0.2	100.5	60	125	
Ge (IS)	74	H2	409541.44	0.6	106.8	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	55304.86	1.7	106.7	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	129231.41	1.5	101.2	60	125	
Tb (IS)	159	He	631379.67	0.4	101.3	60	125	
Bi (IS)	209	He	423757.82	0.7	98.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 055_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:45:49

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.005	ug/l	43.5	0.8	-0.8	0.8	
B	11	6	No Gas	2.281	ug/l	5.6	40	-40	40	
Na	23	45	He	13.259	ug/l	45.6	500	-500	500	
Mg	24	45	He	0.810	ug/l	23.3	200	-200	200	
Al	27	45	He	3.809	ug/l	7.6	40	-40	40	
K	39	45	He	20.110	ug/l	10.8	200	-200	200	
Ca	40	45	H2	-1.265	ug/l	N/A	500	-500	500	
Ti	47	45	No Gas	0.026	ug/l	132.3	4	-4	4	
V	51	45	He	-0.386	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.000	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.031	ug/l	76.7	8	-8	8	
Fe	56	45	H2	4.927	ug/l	2.0	60	-60	60	
Co	59	45	He	0.023	ug/l	32.9	4	-4	4	
Ni	60	45	He	-0.072	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.138	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.545	ug/l	N/A	16	-16	16	
As	75	74	He	0.010	ug/l	1364.2	2	-2	2	
Se	78	74	H2	0.022	ug/l	457.5	2.5	-2.5	2.5	
Sr	88	115	He	-0.038	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.005	ug/l	570.7	4	-4	4	
Ag	107	115	He	0.001	ug/l	204.8	2	-2	2	
Cd	111	115	He	-0.006	ug/l	0.0	2	-2	2	
Sn	118	115	He	0.106	ug/l	33.2	16	-16	16	
Sb	121	115	He	0.015	ug/l	345.6	2	-2	2	
Ba	137	159	He	0.269	ug/l	17.9	4	-4	4	
Tl	205	209	He	0.001	ug/l	99.0	0.8	-0.8	0.8	
[Pb]	206	209	He	0.041	ug/l	76.8				
[Pb]	207	209	He	0.039	ug/l	38.5				
Pb	208	209	He	0.038	ug/l	18.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6589989.90	1.5	97.1	60	125	
Sc (ISICPMS)	45	No Gas	7935524.67	0.7	106.2	60	125	
Sc (ISICPMS)	45	H2	2174747.48	0.7	104.7	60	125	
Sc (ISICPMS)	45	He	94057.81	1.8	100.8	60	125	
Ge (IS)	74	H2	399510.31	0.7	104.2	60	125	
Ge (IS)	74	He	54108.81	1.5	104.4	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	130809.59	0.5	102.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	631482.20	0.3	101.4	60	125	
Bi (IS)	209	He	440668.92	0.6	102.5	60	125	

Sample Report

File Name 056SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:48:16

Sample Name **mb 460-973395/1-a**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	1.388	ug/l	4.7	2000	
Na	23	45	He	13.719	ug/l	61.2	500000	
Mg	24	45	He	-0.656	ug/l	N/A	500000	
Al	27	45	He	1.964	ug/l	102.9	500000	
K	39	45	He	25.831	ug/l	12.9	500000	
Ca	40	45	H2	-1.838	ug/l	N/A	1000000	
Ti	47	45	No Gas	0.259	ug/l	12.7	10000	
V	51	45	He	-0.397	ug/l	N/A	5000	
Cr	52	45	He	0.174	ug/l	143.2	20000	
Mn	55	45	He	0.042	ug/l	221.7	20000	
Fe	56	45	H2	3.143	ug/l	4.1	500000	
Co	59	45	He	0.016	ug/l	57.9	2000	
Ni	60	45	He	-0.052	ug/l	N/A	20000	
Cu	63	45	He	-0.174	ug/l	N/A	20000	
Zn	66	45	He	-1.256	ug/l	N/A	20000	
As	75	74	He	-0.008	ug/l	N/A	5000	
Se	78	74	H2	0.057	ug/l	35.6	3000	
Sr	88	115	He	-0.110	ug/l	N/A	5000	
Mo	95	115	He	0.017	ug/l	191.4	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.021	ug/l	248.2	2000	
Sb	121	115	He	-0.002	ug/l	N/A	1000	
Ba	137	159	He	0.333	ug/l	12.5	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.019	ug/l	119.0		
[Pb]	207	209	He	0.035	ug/l	32.5		
Pb	208	209	He	0.024	ug/l	19.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6641651.85	1.5	97.9	60	125	
Sc (ISICPMS)	45	No Gas	7857377.10	1.3	105.2	60	125	
Sc (ISICPMS)	45	H2	2182929.24	0.6	105.1	60	125	
Sc (ISICPMS)	45	He	94335.09	1.4	101.1	60	125	
Ge (IS)	74	H2	401039.66	0.2	104.6	60	125	
Ge (IS)	74	He	54454.08	0.2	105.1	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129846.21	0.6	101.6	60	125	
Tb (IS)	159	He	630949.14	0.7	101.3	60	125	
Bi (IS)	209	He	436541.22	0.4	101.5	60	125	

Sample Report

File Name 057SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:50:44

Sample Name **lcssrm 460-973395/2-a@3**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	507.568	ug/l	0.7	2000	
B	11	6	No Gas	780.192	ug/l	0.9	2000	
Na	23	45	He	1613.862	ug/l	1.4	500000	
Mg	24	45	He	5316.609	ug/l	1.6	500000	
Al	27	45	He	19577.921	ug/l	0.5	500000	
K	39	45	He	4070.472	ug/l	1.4	500000	
Ca	40	45	H2	16215.294	ug/l	0.9	1000000	
Ti	47	45	No Gas	922.547	ug/l	0.8	10000	
V	51	45	He	327.910	ug/l	1.7	5000	
Cr	52	45	He	575.453	ug/l	0.7	20000	
Mn	55	45	He	1668.827	ug/l	1.2	20000	
Fe	56	45	H2	20622.331	ug/l	0.4	500000	
Co	59	45	He	265.186	ug/l	0.6	2000	
Ni	60	45	He	1012.136	ug/l	0.9	20000	
Cu	63	45	He	657.135	ug/l	1.3	20000	
Zn	66	45	He	543.827	ug/l	1.5	20000	
As	75	74	He	988.548	ug/l	2.0	5000	
Se	78	74	H2	527.676	ug/l	1.7	3000	
Sr	88	115	He	422.592	ug/l	1.4	5000	
Mo	95	115	He	437.612	ug/l	0.9	2000	
Ag	107	115	He	267.058	ug/l	0.6	1000	
Cd	111	115	He	670.132	ug/l	1.3	5000	
Sn	118	115	He	245.115	ug/l	1.0	2000	
Sb	121	115	He	298.435	ug/l	0.6	1000	
Ba	137	159	He	951.534	ug/l	1.3	20000	
Tl	205	209	He	643.378	ug/l	1.0	1000	
[Pb]	206	209	He	309.123	ug/l	1.6		
[Pb]	207	209	He	292.104	ug/l	0.5		
Pb	208	209	He	299.423	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6850020.73	1.3	100.9	60	125	
Sc (ISICPMS)	45	No Gas	7876837.66	0.8	105.4	60	125	
Sc (ISICPMS)	45	H2	2213576.93	1.3	106.6	60	125	
Sc (ISICPMS)	45	He	96730.27	0.3	103.7	60	125	
Ge (IS)	74	H2	430360.01	1.1	112.3	60	125	
Ge (IS)	74	He	58511.22	1.7	112.9	60	125	
Kr	83	He	20.02	50.0	600.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131582.04	0.6	103.0	60	125	
Tb (IS)	159	He	640971.19	0.9	102.9	60	125	
Bi (IS)	209	He	436303.90	0.6	101.5	60	125	

Sample Report

File Name 058SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:53:10

Sample Name **pds 460-303237-a-23-a**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	31.149	ug/l	2.0	2000	
B	11	6	No Gas	605.880	ug/l	1.2	2000	
Na	23	45	He	3356.412	ug/l	1.2	500000	
Mg	24	45	He	25495.621	ug/l	0.4	500000	
Al	27	45	He	75097.741	ug/l	0.6	500000	
K	39	45	He	8813.699	ug/l	0.3	500000	
Ca	40	45	H2	7509.881	ug/l	1.3	1000000	
Ti	47	45	No Gas	556.865	ug/l	2.6	10000	
V	51	45	He	158.379	ug/l	0.3	5000	
Cr	52	45	He	139.260	ug/l	0.7	20000	
Mn	55	45	He	3094.406	ug/l	0.5	20000	
Fe	56	45	H2	154584.602	ug/l	1.2	500000	
Co	59	45	He	95.405	ug/l	1.7	2000	
Ni	60	45	He	180.895	ug/l	0.3	20000	
Cu	63	45	He	146.332	ug/l	0.9	20000	
Zn	66	45	He	591.984	ug/l	0.9	20000	
As	75	74	He	102.946	ug/l	2.1	5000	
Se	78	74	H2	58.116	ug/l	2.1	3000	
Sr	88	115	He	116.030	ug/l	1.3	5000	
Mo	95	115	He	60.418	ug/l	0.9	2000	
Ag	107	115	He	21.022	ug/l	0.9	1000	
Cd	111	115	He	28.677	ug/l	0.8	5000	
Sn	118	115	He	68.134	ug/l	0.4	2000	
Sb	121	115	He	29.724	ug/l	1.2	1000	
Ba	137	159	He	236.469	ug/l	0.6	20000	
Tl	205	209	He	23.425	ug/l	1.5	1000	
[Pb]	206	209	He	144.157	ug/l	0.7		
[Pb]	207	209	He	134.887	ug/l	0.8		
Pb	208	209	He	138.611	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6651899.76	1.0	98.0	60	125	
Sc (ISICPMS)	45	No Gas	8017866.75	1.5	107.3	60	125	
Sc (ISICPMS)	45	H2	2226423.42	0.5	107.2	60	125	
Sc (ISICPMS)	45	He	97093.08	0.8	104.1	60	125	
Ge (IS)	74	H2	425261.44	0.6	110.9	60	125	
Ge (IS)	74	He	57847.89	1.5	111.6	60	125	
Kr	83	He	36.70	68.6	1100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128143.66	0.4	100.3	60	125	
Tb (IS)	159	He	635816.63	0.8	102.1	60	125	
Bi (IS)	209	He	422960.40	0.4	98.4	60	125	

Sample Report

File Name 059SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:55:38

Sample Name **460-303237-a-23-c ms**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	50.155	ug/l	1.6	2000	
B	11	6	No Gas	993.149	ug/l	0.4	2000	
Na	23	45	He	5546.878	ug/l	1.0	500000	
Mg	24	45	He	28620.286	ug/l	0.7	500000	
Al	27	45	He	91651.502	ug/l	0.2	500000	
K	39	45	He	10951.296	ug/l	1.1	500000	
Ca	40	45	H2	10132.632	ug/l	0.5	1000000	
Ti	47	45	No Gas	661.704	ug/l	0.8	10000	
V	51	45	He	215.857	ug/l	1.1	5000	
Cr	52	45	He	188.730	ug/l	0.9	20000	
Mn	55	45	He	3503.700	ug/l	0.8	20000	
Fe	56	45	H2	164159.272	ug/l	1.0	500000	
Co	59	45	He	122.499	ug/l	1.2	2000	
Ni	60	45	He	234.038	ug/l	0.7	20000	
Cu	63	45	He	194.374	ug/l	0.7	20000	
Zn	66	45	He	810.660	ug/l	0.2	20000	
As	75	74	He	151.597	ug/l	1.0	5000	
Se	78	74	H2	94.514	ug/l	3.7	3000	
Sr	88	115	He	169.630	ug/l	0.9	5000	
Mo	95	115	He	100.981	ug/l	0.5	2000	
Ag	107	115	He	50.751	ug/l	0.8	1000	
Cd	111	115	He	49.182	ug/l	0.9	5000	
Sn	118	115	He	98.881	ug/l	0.3	2000	
Sb	121	115	He	21.459	ug/l	2.6	1000	
Ba	137	159	He	295.643	ug/l	1.7	20000	
Tl	205	209	He	40.029	ug/l	0.8	1000	
[Pb]	206	209	He	139.177	ug/l	0.9		
[Pb]	207	209	He	135.461	ug/l	0.5		
Pb	208	209	He	137.182	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6681831.98	1.3	98.5	60	125	
Sc (ISICPMS)	45	No Gas	7923063.77	1.0	106.0	60	125	
Sc (ISICPMS)	45	H2	2222299.60	0.6	107.0	60	125	
Sc (ISICPMS)	45	He	96468.60	0.3	103.4	60	125	
Ge (IS)	74	H2	426154.82	0.4	111.2	60	125	
Ge (IS)	74	He	58236.64	1.0	112.4	60	125	
Kr	83	He	43.38	58.1	1300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127204.97	0.2	99.6	60	125	
Tb (IS)	159	He	627928.03	0.8	100.8	60	125	
Bi (IS)	209	He	422359.82	0.5	98.2	60	125	

Sample Report

File Name 060SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 12:58:06

Sample Name **460-303237-a-23-b du**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.134	ug/l	0.8	2000	
B	11	6	No Gas	34.309	ug/l	1.7	2000	
Na	23	45	He	568.014	ug/l	2.5	500000	
Mg	24	45	He	21937.882	ug/l	1.5	500000	
Al	27	45	He	73547.786	ug/l	0.7	500000	
K	39	45	He	6057.953	ug/l	0.5	500000	
Ca	40	45	H2	4717.654	ug/l	0.6	1000000	
Ti	47	45	No Gas	523.125	ug/l	0.7	10000	
V	51	45	He	105.611	ug/l	2.0	5000	
Cr	52	45	He	84.051	ug/l	1.3	20000	
Mn	55	45	He	2811.044	ug/l	0.5	20000	
Fe	56	45	H2	152619.742	ug/l	1.0	500000	
Co	59	45	He	65.241	ug/l	1.8	2000	
Ni	60	45	He	121.354	ug/l	0.8	20000	
Cu	63	45	He	91.106	ug/l	1.3	20000	
Zn	66	45	He	323.130	ug/l	1.6	20000	
As	75	74	He	51.586	ug/l	6.3	5000	
Se	78	74	H2	0.844	ug/l	16.2	3000	
Sr	88	115	He	62.752	ug/l	1.3	5000	
Mo	95	115	He	2.012	ug/l	6.7	2000	
Ag	107	115	He	0.089	ug/l	11.5	1000	
Cd	111	115	He	0.397	ug/l	7.7	5000	
Sn	118	115	He	10.889	ug/l	6.8	2000	
Sb	121	115	He	0.864	ug/l	4.4	1000	
Ba	137	159	He	192.463	ug/l	1.8	20000	
Tl	205	209	He	0.491	ug/l	3.2	1000	
[Pb]	206	209	He	78.755	ug/l	0.2		
[Pb]	207	209	He	74.255	ug/l	1.1		
Pb	208	209	He	76.593	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6484632.75	0.7	95.5	60	125	
Sc (ISICPMS)	45	No Gas	8050018.07	0.4	107.7	60	125	
Sc (ISICPMS)	45	H2	2202130.37	0.5	106.0	60	125	
Sc (ISICPMS)	45	He	96585.21	1.1	103.5	60	125	
Ge (IS)	74	H2	420559.85	0.3	109.7	60	125	
Ge (IS)	74	He	57057.02	1.1	110.1	60	125	
Kr	83	He	50.05	60.0	1500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126188.73	0.8	98.8	60	125	
Tb (IS)	159	He	635247.66	0.9	102.0	60	125	
Bi (IS)	209	He	427121.69	0.6	99.4	60	125	

Sample Report

File Name 061SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:00:35

Sample Name **460-303237-a-23-a**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.990	ug/l	2.3	2000	
B	11	6	No Gas	29.254	ug/l	1.5	2000	
Na	23	45	He	502.300	ug/l	2.6	500000	
Mg	24	45	He	22025.592	ug/l	0.1	500000	
Al	27	45	He	68682.953	ug/l	0.7	500000	
K	39	45	He	5915.480	ug/l	1.0	500000	
Ca	40	45	H2	4497.117	ug/l	0.4	1000000	
Ti	47	45	No Gas	479.283	ug/l	1.2	10000	
V	51	45	He	102.027	ug/l	0.5	5000	
Cr	52	45	He	79.938	ug/l	1.0	20000	
Mn	55	45	He	2754.789	ug/l	1.0	20000	
Fe	56	45	H2	145879.702	ug/l	0.5	500000	
Co	59	45	He	66.153	ug/l	0.6	2000	
Ni	60	45	He	120.325	ug/l	1.3	20000	
Cu	63	45	He	88.559	ug/l	1.0	20000	
Zn	66	45	He	308.951	ug/l	1.1	20000	
As	75	74	He	47.077	ug/l	1.7	5000	
Se	78	74	H2	0.661	ug/l	16.5	3000	
Sr	88	115	He	59.319	ug/l	2.6	5000	
Mo	95	115	He	2.067	ug/l	2.2	2000	
Ag	107	115	He	0.091	ug/l	8.0	1000	
Cd	111	115	He	0.475	ug/l	23.6	5000	
Sn	118	115	He	10.049	ug/l	6.8	2000	
Sb	121	115	He	0.853	ug/l	4.4	1000	
Ba	137	159	He	176.730	ug/l	1.2	20000	
Tl	205	209	He	0.477	ug/l	3.7	1000	
[Pb]	206	209	He	112.726	ug/l	0.2		
[Pb]	207	209	He	103.634	ug/l	0.6		
Pb	208	209	He	107.142	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6442171.57	1.9	94.9	60	125	
Sc (ISICPMS)	45	No Gas	7909945.30	1.0	105.9	60	125	
Sc (ISICPMS)	45	H2	2188122.83	0.6	105.4	60	125	
Sc (ISICPMS)	45	He	94811.59	0.4	101.6	60	125	
Ge (IS)	74	H2	416724.26	0.6	108.7	60	125	
Ge (IS)	74	He	56356.66	0.8	108.7	60	125	
Kr	83	He	30.03	66.7	900.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124401.24	0.6	97.4	60	125	
Tb (IS)	159	He	625231.88	0.4	100.4	60	125	
Bi (IS)	209	He	422613.73	0.4	98.3	60	125	

Sample Report

File Name 062SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:03:02

Sample Name **sd 460-303237-a-23-a@5**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.560	ug/l	7.7	2000	
B	11	6	No Gas	8.277	ug/l	3.2	2000	
Na	23	45	He	118.040	ug/l	5.9	500000	
Mg	24	45	He	4503.076	ug/l	1.4	500000	
Al	27	45	He	14091.594	ug/l	0.9	500000	
K	39	45	He	1216.781	ug/l	1.0	500000	
Ca	40	45	H2	920.047	ug/l	0.5	1000000	
Ti	47	45	No Gas	96.110	ug/l	1.2	10000	
V	51	45	He	20.650	ug/l	1.8	5000	
Cr	52	45	He	16.608	ug/l	0.8	20000	
Mn	55	45	He	560.830	ug/l	0.8	20000	
Fe	56	45	H2	30017.560	ug/l	0.8	500000	
Co	59	45	He	13.424	ug/l	0.9	2000	
Ni	60	45	He	24.313	ug/l	2.0	20000	
Cu	63	45	He	17.871	ug/l	2.3	20000	
Zn	66	45	He	62.010	ug/l	2.0	20000	
As	75	74	He	10.433	ug/l	7.4	5000	
Se	78	74	H2	0.164	ug/l	61.8	3000	
Sr	88	115	He	11.966	ug/l	1.3	5000	
Mo	95	115	He	0.435	ug/l	9.0	2000	
Ag	107	115	He	0.013	ug/l	69.7	1000	
Cd	111	115	He	0.099	ug/l	40.9	5000	
Sn	118	115	He	2.198	ug/l	9.5	2000	
Sb	121	115	He	0.132	ug/l	37.9	1000	
Ba	137	159	He	34.657	ug/l	2.9	20000	
Tl	205	209	He	0.096	ug/l	9.4	1000	
[Pb]	206	209	He	22.223	ug/l	1.0		
[Pb]	207	209	He	20.340	ug/l	1.1		
Pb	208	209	He	21.081	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6415329.91	0.7	94.5	60	125	
Sc (ISICPMS)	45	No Gas	7665128.84	0.5	102.6	60	125	
Sc (ISICPMS)	45	H2	2107855.33	0.3	101.5	60	125	
Sc (ISICPMS)	45	He	89956.16	0.9	96.4	60	125	
Ge (IS)	74	H2	397323.34	0.3	103.6	60	125	
Ge (IS)	74	He	52879.50	0.9	102.0	60	125	
Kr	83	He	16.68	91.7	500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122116.06	0.9	95.6	60	125	
Tb (IS)	159	He	610593.68	0.5	98.0	60	125	
Bi (IS)	209	He	421852.46	0.3	98.1	60	125	

Sample Report

File Name 063SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:05:30

Sample Name **460-303237-a-24-a**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.288	ug/l	2.0	2000	
B	11	6	No Gas	51.590	ug/l	1.1	2000	
Na	23	45	He	6693.793	ug/l	0.6	500000	
Mg	24	45	He	37081.683	ug/l	0.9	500000	
Al	27	45	He	92788.502	ug/l	1.1	500000	
K	39	45	He	11689.568	ug/l	0.5	500000	
Ca	40	45	H2	28025.198	ug/l	0.4	1000000	
Ti	47	45	No Gas	953.375	ug/l	1.2	10000	
V	51	45	He	256.915	ug/l	0.3	5000	
Cr	52	45	He	140.147	ug/l	0.5	20000	
Mn	55	45	He	3287.183	ug/l	1.3	20000	
Fe	56	45	H2	174559.786	ug/l	1.0	500000	
Co	59	45	He	68.605	ug/l	1.2	2000	
Ni	60	45	He	142.774	ug/l	1.1	20000	
Cu	63	45	He	189.497	ug/l	0.8	20000	
Zn	66	45	He	1311.954	ug/l	0.4	20000	
As	75	74	He	109.452	ug/l	1.9	5000	
Se	78	74	H2	7.595	ug/l	13.5	3000	
Sr	88	115	He	255.969	ug/l	0.7	5000	
Mo	95	115	He	5.231	ug/l	4.0	2000	
Ag	107	115	He	0.335	ug/l	5.5	1000	
Cd	111	115	He	3.915	ug/l	7.8	5000	
Sn	118	115	He	19.340	ug/l	2.7	2000	
Sb	121	115	He	1.169	ug/l	2.4	1000	
Ba	137	159	He	427.958	ug/l	0.5	20000	
Tl	205	209	He	1.234	ug/l	8.0	1000	
[Pb]	206	209	He	355.189	ug/l	0.7		
[Pb]	207	209	He	335.345	ug/l	0.5		
Pb	208	209	He	344.523	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6410014.00	1.1	94.4	60	125	
Sc (ISICPMS)	45	No Gas	7756065.37	1.4	103.8	60	125	
Sc (ISICPMS)	45	H2	2126875.54	0.9	102.4	60	125	
Sc (ISICPMS)	45	He	92585.35	1.0	99.2	60	125	
Ge (IS)	74	H2	401198.41	1.7	104.7	60	125	
Ge (IS)	74	He	55029.95	0.7	106.2	60	125	
Kr	83	He	60.06	16.7	1800.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121235.77	1.4	94.9	60	125	
Tb (IS)	159	He	618384.31	1.0	99.3	60	125	
Bi (IS)	209	He	414399.17	0.8	96.4	60	125	

Sample Report

File Name 064SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:07:57

Sample Name **460-303237-a-25-a**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.841	ug/l	3.0	2000	
B	11	6	No Gas	401.004	ug/l	1.4	2000	
Na	23	45	He	1137.749	ug/l	2.0	500000	
Mg	24	45	He	42495.959	ug/l	0.3	500000	
Al	27	45	He	114160.852	ug/l	0.5	500000	
K	39	45	He	10718.787	ug/l	0.9	500000	
Ca	40	45	H2	69864.342	ug/l	1.0	1000000	
Ti	47	45	No Gas	2319.525	ug/l	1.6	10000	
V	51	45	He	263.196	ug/l	1.5	5000	
Cr	52	45	He	170.257	ug/l	0.6	20000	
Mn	55	45	He	4036.540	ug/l	0.3	20000	
Fe	56	45	H2	160337.193	ug/l	0.5	500000	
Co	59	45	He	65.922	ug/l	0.8	2000	
Ni	60	45	He	134.559	ug/l	1.2	20000	
Cu	63	45	He	248.657	ug/l	1.2	20000	
Zn	66	45	He	12140.240	ug/l	0.3	20000	
As	75	74	He	150.611	ug/l	1.7	5000	
Se	78	74	H2	3.509	ug/l	2.8	3000	
Sr	88	115	He	239.037	ug/l	0.4	5000	
Mo	95	115	He	4.981	ug/l	3.1	2000	
Ag	107	115	He	0.760	ug/l	0.3	1000	
Cd	111	115	He	18.369	ug/l	3.4	5000	
Sn	118	115	He	22.697	ug/l	5.0	2000	
Sb	121	115	He	2.253	ug/l	15.5	1000	
Ba	137	159	He	560.966	ug/l	1.1	20000	
Tl	205	209	He	1.102	ug/l	5.1	1000	
[Pb]	206	209	He	683.126	ug/l	0.5		
[Pb]	207	209	He	650.775	ug/l	0.3		
Pb	208	209	He	656.892	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6515864.77	0.8	96.0	60	125	
Sc (ISICPMS)	45	No Gas	7803756.76	1.0	104.4	60	125	
Sc (ISICPMS)	45	H2	2198029.22	0.4	105.8	60	125	
Sc (ISICPMS)	45	He	93823.94	0.4	100.6	60	125	
Ge (IS)	74	H2	411218.73	0.4	107.3	60	125	
Ge (IS)	74	He	56537.72	0.6	109.1	60	125	
Kr	83	He	96.76	33.3	2900.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122922.66	0.9	96.2	60	125	
Tb (IS)	159	He	621799.71	0.3	99.8	60	125	
Bi (IS)	209	He	415190.81	0.6	96.6	60	125	

Sample Report

File Name 065SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:10:25

Sample Name **460-303237-a-26-a**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.881	ug/l	1.5	2000	
B	11	6	No Gas	35.460	ug/l	0.1	2000	
Na	23	45	He	531.215	ug/l	1.4	500000	
Mg	24	45	He	27652.705	ug/l	1.1	500000	
Al	27	45	He	88170.423	ug/l	1.5	500000	
K	39	45	He	7322.740	ug/l	1.3	500000	
Ca	40	45	H2	6306.198	ug/l	0.7	1000000	
Ti	47	45	No Gas	762.081	ug/l	0.7	10000	
V	51	45	He	134.122	ug/l	1.0	5000	
Cr	52	45	He	116.036	ug/l	0.7	20000	
Mn	55	45	He	3180.513	ug/l	0.8	20000	
Fe	56	45	H2	170965.913	ug/l	0.4	500000	
Co	59	45	He	65.074	ug/l	1.2	2000	
Ni	60	45	He	145.401	ug/l	1.0	20000	
Cu	63	45	He	127.827	ug/l	1.5	20000	
Zn	66	45	He	713.090	ug/l	1.7	20000	
As	75	74	He	431.741	ug/l	1.5	5000	
Se	78	74	H2	1.280	ug/l	6.0	3000	
Sr	88	115	He	63.688	ug/l	0.5	5000	
Mo	95	115	He	5.086	ug/l	11.2	2000	
Ag	107	115	He	0.274	ug/l	4.8	1000	
Cd	111	115	He	1.318	ug/l	16.1	5000	
Sn	118	115	He	14.303	ug/l	1.1	2000	
Sb	121	115	He	1.565	ug/l	2.0	1000	
Ba	137	159	He	308.656	ug/l	1.0	20000	
Tl	205	209	He	0.742	ug/l	4.9	1000	
[Pb]	206	209	He	248.396	ug/l	0.9		
[Pb]	207	209	He	233.372	ug/l	0.5		
Pb	208	209	He	239.626	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6555807.82	0.3	96.6	60	125	
Sc (ISICPMS)	45	No Gas	7892508.98	0.7	105.6	60	125	
Sc (ISICPMS)	45	H2	2178151.27	0.9	104.9	60	125	
Sc (ISICPMS)	45	He	93591.34	1.6	100.3	60	125	
Ge (IS)	74	H2	413248.59	0.5	107.8	60	125	
Ge (IS)	74	He	55777.17	1.3	107.6	60	125	
Kr	83	He	53.39	47.2	1600.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124036.92	1.1	97.1	60	125	
Tb (IS)	159	He	622851.39	0.3	100.0	60	125	
Bi (IS)	209	He	420871.99	0.9	97.9	60	125	

Continuing Calibration Verification (CCV)

File Name 066_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:12:52

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.776	ug/l	1.2	100	90	110	
B	11	6	No Gas	256.081	ug/l	2.1	250	225	275	
Na	23	45	He	25420.957	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25085.072	ug/l	1.5	25000	22500	27500	
Al	27	45	He	24078.350	ug/l	1.7	25000	22500	27500	
K	39	45	He	24930.436	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	24813.778	ug/l	1.5	25000	22500	27500	
Ti	47	45	No Gas	97.677	ug/l	0.9	100	90	110	
V	51	45	He	100.307	ug/l	0.8	100	90	110	
Cr	52	45	He	101.599	ug/l	0.5	100	90	110	
Mn	55	45	He	99.895	ug/l	2.5	100	90	110	
Fe	56	45	H2	25388.341	ug/l	1.1	25000	22500	27500	
Co	59	45	He	103.649	ug/l	0.8	100	90	110	
Ni	60	45	He	102.757	ug/l	2.4	100	90	110	
Cu	63	45	He	101.126	ug/l	0.4	100	90	110	
Zn	66	45	He	257.532	ug/l	0.2	250	225	275	
As	75	74	He	101.528	ug/l	4.0	100	90	110	
Se	78	74	H2	101.396	ug/l	3.3	100	90	110	
Sr	88	115	He	97.000	ug/l	1.3	100	90	110	
Mo	95	115	He	102.847	ug/l	0.4	100	90	110	
Ag	107	115	He	51.252	ug/l	1.6	50	45	55	
Cd	111	115	He	101.596	ug/l	0.9	100	90	110	
Sn	118	115	He	101.527	ug/l	1.0	100	90	110	
Sb	121	115	He	100.164	ug/l	1.5	100	90	110	
Ba	137	159	He	99.763	ug/l	1.1	100	90	110	
Tl	205	209	He	99.549	ug/l	1.2	100	90	110	
[Pb]	206	209	He	100.338	ug/l	1.3				
[Pb]	207	209	He	100.470	ug/l	0.6				
Pb	208	209	He	100.428	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6469149.07	1.6	95.3	60	125	
Sc (ISICPMS)	45	No Gas	7775640.93	0.5	104.1	60	125	
Sc (ISICPMS)	45	H2	2154382.48	0.5	103.7	60	125	
Sc (ISICPMS)	45	He	93595.69	0.9	100.3	60	125	
Ge (IS)	74	H2	406315.12	0.4	106.0	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	55733.78	1.0	107.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	127711.59	0.5	100.0	60	125	
Tb (IS)	159	He	623930.65	0.9	100.1	60	125	
Bi (IS)	209	He	419035.59	0.6	97.5	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 067_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:15:19

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.008	ug/l	23.0	0.8	-0.8	0.8	
B	11	6	No Gas	3.576	ug/l	3.4	40	-40	40	
Na	23	45	He	15.697	ug/l	5.2	500	-500	500	
Mg	24	45	He	0.875	ug/l	96.3	200	-200	200	
Al	27	45	He	4.646	ug/l	22.0	40	-40	40	
K	39	45	He	19.443	ug/l	57.7	200	-200	200	
Ca	40	45	H2	-0.231	ug/l	N/A	500	-500	500	
Ti	47	45	No Gas	-0.075	ug/l	N/A	4	-4	4	
V	51	45	He	-0.248	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.320	ug/l	63.3	4	-4	4	
Mn	55	45	He	0.227	ug/l	2.4	8	-8	8	
Fe	56	45	H2	4.821	ug/l	2.5	60	-60	60	
Co	59	45	He	0.003	ug/l	306.3	4	-4	4	
Ni	60	45	He	-0.044	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.131	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.555	ug/l	N/A	16	-16	16	
As	75	74	He	0.064	ug/l	143.4	2	-2	2	
Se	78	74	H2	0.080	ug/l	67.5	2.5	-2.5	2.5	
Sr	88	115	He	-0.040	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.027	ug/l	101.7	4	-4	4	
Ag	107	115	He	0.006	ug/l	63.5	2	-2	2	
Cd	111	115	He	-0.006	ug/l	0.0	2	-2	2	
Sn	118	115	He	-0.040	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.023	ug/l	213.7	2	-2	2	
Ba	137	159	He	0.241	ug/l	20.0	4	-4	4	
Tl	205	209	He	0.002	ug/l	37.1	0.8	-0.8	0.8	
[Pb]	206	209	He	0.051	ug/l	35.1				
[Pb]	207	209	He	0.051	ug/l	30.7				
Pb	208	209	He	0.051	ug/l	19.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6422599.63	1.0	94.6	60	125	
Sc (ISICPMS)	45	No Gas	7970560.57	0.6	106.7	60	125	
Sc (ISICPMS)	45	H2	2217023.47	0.9	106.8	60	125	
Sc (ISICPMS)	45	He	95092.95	0.4	101.9	60	125	
Ge (IS)	74	H2	404036.18	0.6	105.4	60	125	
Ge (IS)	74	He	53958.29	1.3	104.1	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	131830.49	0.6	103.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	633061.72	0.4	101.6	60	125	
Bi (IS)	209	He	436097.52	0.3	101.4	60	125	

Sample Report

File Name 068SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:17:45

Sample Name **460-303237-a-27-a**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.722	ug/l	1.3	2000	
B	11	6	No Gas	28.825	ug/l	1.1	2000	
Na	23	45	He	386.639	ug/l	1.8	500000	
Mg	24	45	He	25271.111	ug/l	0.7	500000	
Al	27	45	He	96410.421	ug/l	1.0	500000	
K	39	45	He	7416.679	ug/l	1.8	500000	
Ca	40	45	H2	7885.465	ug/l	0.7	1000000	
Ti	47	45	No Gas	548.913	ug/l	1.2	10000	
V	51	45	He	135.153	ug/l	0.3	5000	
Cr	52	45	He	106.101	ug/l	0.5	20000	
Mn	55	45	He	2648.260	ug/l	0.4	20000	
Fe	56	45	H2	184497.294	ug/l	1.0	500000	
Co	59	45	He	75.625	ug/l	0.9	2000	
Ni	60	45	He	139.437	ug/l	0.4	20000	
Cu	63	45	He	103.049	ug/l	0.8	20000	
Zn	66	45	He	1861.210	ug/l	1.0	20000	
As	75	74	He	76.099	ug/l	2.0	5000	
Se	78	74	H2	0.802	ug/l	8.2	3000	
Sr	88	115	He	96.561	ug/l	0.8	5000	
Mo	95	115	He	2.937	ug/l	3.6	2000	
Ag	107	115	He	0.131	ug/l	20.9	1000	
Cd	111	115	He	14.536	ug/l	0.9	5000	
Sn	118	115	He	11.693	ug/l	1.6	2000	
Sb	121	115	He	1.236	ug/l	7.2	1000	
Ba	137	159	He	351.986	ug/l	0.8	20000	
Tl	205	209	He	0.695	ug/l	1.1	1000	
[Pb]	206	209	He	99.981	ug/l	0.6		
[Pb]	207	209	He	94.100	ug/l	0.7		
Pb	208	209	He	97.194	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6489901.29	2.2	95.6	60	125	
Sc (ISICPMS)	45	No Gas	7958971.41	0.9	106.5	60	125	
Sc (ISICPMS)	45	H2	2212423.34	0.5	106.5	60	125	
Sc (ISICPMS)	45	He	95126.04	0.9	102.0	60	125	
Ge (IS)	74	H2	419249.57	1.1	109.4	60	125	
Ge (IS)	74	He	56195.99	1.6	108.4	60	125	
Kr	83	He	43.38	70.5	1300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125084.61	0.5	97.9	60	125	
Tb (IS)	159	He	624997.89	0.7	100.3	60	125	
Bi (IS)	209	He	420047.07	0.5	97.7	60	125	

Sample Report

File Name 069SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:20:13

Sample Name **460-303237-a-28-a**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.351	ug/l	3.3	2000	
B	11	6	No Gas	28.563	ug/l	3.7	2000	
Na	23	45	He	1139.860	ug/l	1.0	500000	
Mg	24	45	He	21080.256	ug/l	0.4	500000	
Al	27	45	He	83357.504	ug/l	2.9	500000	
K	39	45	He	6444.309	ug/l	0.5	500000	
Ca	40	45	H2	4869.666	ug/l	0.4	1000000	
Ti	47	45	No Gas	496.066	ug/l	0.9	10000	
V	51	45	He	122.114	ug/l	1.5	5000	
Cr	52	45	He	92.231	ug/l	0.5	20000	
Mn	55	45	He	2651.081	ug/l	0.4	20000	
Fe	56	45	H2	153246.965	ug/l	0.4	500000	
Co	59	45	He	66.888	ug/l	0.9	2000	
Ni	60	45	He	118.636	ug/l	1.0	20000	
Cu	63	45	He	101.259	ug/l	0.7	20000	
Zn	66	45	He	505.129	ug/l	1.3	20000	
As	75	74	He	344.596	ug/l	0.0	5000	
Se	78	74	H2	1.126	ug/l	19.2	3000	
Sr	88	115	He	59.194	ug/l	1.5	5000	
Mo	95	115	He	3.265	ug/l	6.3	2000	
Ag	107	115	He	0.203	ug/l	3.8	1000	
Cd	111	115	He	0.827	ug/l	8.1	5000	
Sn	118	115	He	13.670	ug/l	0.9	2000	
Sb	121	115	He	1.146	ug/l	7.2	1000	
Ba	137	159	He	332.697	ug/l	0.9	20000	
Tl	205	209	He	0.645	ug/l	4.9	1000	
[Pb]	206	209	He	139.605	ug/l	0.7		
[Pb]	207	209	He	131.599	ug/l	0.6		
Pb	208	209	He	134.447	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6447167.68	1.5	95.0	60	125	
Sc (ISICPMS)	45	No Gas	7930422.45	0.3	106.1	60	125	
Sc (ISICPMS)	45	H2	2219613.71	1.0	106.9	60	125	
Sc (ISICPMS)	45	He	94323.88	0.6	101.1	60	125	
Ge (IS)	74	H2	419199.71	0.4	109.3	60	125	
Ge (IS)	74	He	55924.80	0.6	107.9	60	125	
Kr	83	He	46.71	44.6	1400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124984.39	0.6	97.8	60	125	
Tb (IS)	159	He	622955.14	0.1	100.0	60	125	
Bi (IS)	209	He	421473.64	0.1	98.0	60	125	

Sample Report

File Name 070SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:22:41

Sample Name **460-303237-a-29-a**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.552	ug/l	2.9	2000	
B	11	6	No Gas	29.458	ug/l	1.6	2000	
Na	23	45	He	509.011	ug/l	2.1	500000	
Mg	24	45	He	20125.396	ug/l	1.5	500000	
Al	27	45	He	91371.801	ug/l	1.7	500000	
K	39	45	He	6363.762	ug/l	0.9	500000	
Ca	40	45	H2	8234.151	ug/l	0.9	1000000	
Ti	47	45	No Gas	559.129	ug/l	0.9	10000	
V	51	45	He	131.515	ug/l	2.1	5000	
Cr	52	45	He	98.364	ug/l	1.3	20000	
Mn	55	45	He	2332.595	ug/l	0.7	20000	
Fe	56	45	H2	157087.573	ug/l	1.2	500000	
Co	59	45	He	62.134	ug/l	1.7	2000	
Ni	60	45	He	118.338	ug/l	1.5	20000	
Cu	63	45	He	103.905	ug/l	1.7	20000	
Zn	66	45	He	565.700	ug/l	1.5	20000	
As	75	74	He	307.372	ug/l	2.9	5000	
Se	78	74	H2	1.131	ug/l	13.1	3000	
Sr	88	115	He	79.763	ug/l	1.7	5000	
Mo	95	115	He	3.349	ug/l	5.9	2000	
Ag	107	115	He	0.240	ug/l	4.8	1000	
Cd	111	115	He	0.875	ug/l	19.0	5000	
Sn	118	115	He	12.854	ug/l	2.5	2000	
Sb	121	115	He	1.270	ug/l	4.1	1000	
Ba	137	159	He	402.731	ug/l	0.7	20000	
Tl	205	209	He	0.657	ug/l	2.3	1000	
[Pb]	206	209	He	133.126	ug/l	0.4		
[Pb]	207	209	He	126.469	ug/l	0.5		
Pb	208	209	He	129.221	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6332542.41	1.3	93.3	60	125	
Sc (ISICPMS)	45	No Gas	7921473.77	1.1	106.0	60	125	
Sc (ISICPMS)	45	H2	2199279.06	0.4	105.9	60	125	
Sc (ISICPMS)	45	He	93749.87	1.1	100.5	60	125	
Ge (IS)	74	H2	413555.20	0.4	107.9	60	125	
Ge (IS)	74	He	56688.67	1.4	109.4	60	125	
Kr	83	He	23.36	49.5	700.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123646.32	0.5	96.8	60	125	
Tb (IS)	159	He	621822.21	0.6	99.8	60	125	
Bi (IS)	209	He	421120.21	0.3	98.0	60	125	

Sample Report

File Name 071SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:25:09

Sample Name **460-303237-a-30-a**

Comment ---

Dilution **1.0000**

Vial # 3202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.622	ug/l	2.2	2000	
B	11	6	No Gas	27.540	ug/l	0.7	2000	
Na	23	45	He	293.976	ug/l	1.6	500000	
Mg	24	45	He	19579.283	ug/l	1.3	500000	
Al	27	45	He	85478.155	ug/l	2.4	500000	
K	39	45	He	5401.193	ug/l	0.6	500000	
Ca	40	45	H2	4728.845	ug/l	0.7	1000000	
Ti	47	45	No Gas	458.841	ug/l	0.8	10000	
V	51	45	He	129.287	ug/l	0.8	5000	
Cr	52	45	He	90.099	ug/l	1.3	20000	
Mn	55	45	He	3577.648	ug/l	1.3	20000	
Fe	56	45	H2	143851.413	ug/l	0.7	500000	
Co	59	45	He	64.924	ug/l	0.8	2000	
Ni	60	45	He	114.620	ug/l	0.9	20000	
Cu	63	45	He	106.005	ug/l	1.1	20000	
Zn	66	45	He	472.331	ug/l	1.6	20000	
As	75	74	He	179.032	ug/l	3.3	5000	
Se	78	74	H2	1.711	ug/l	11.0	3000	
Sr	88	115	He	45.107	ug/l	0.1	5000	
Mo	95	115	He	2.630	ug/l	1.0	2000	
Ag	107	115	He	0.313	ug/l	2.0	1000	
Cd	111	115	He	1.012	ug/l	16.5	5000	
Sn	118	115	He	13.302	ug/l	4.1	2000	
Sb	121	115	He	1.445	ug/l	13.1	1000	
Ba	137	159	He	602.789	ug/l	1.0	20000	
Tl	205	209	He	0.744	ug/l	2.6	1000	
[Pb]	206	209	He	714.472	ug/l	0.4		
[Pb]	207	209	He	676.334	ug/l	1.1		
Pb	208	209	He	686.695	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6389795.88	0.9	94.1	60	125	
Sc (ISICPMS)	45	No Gas	7724789.33	0.1	103.4	60	125	
Sc (ISICPMS)	45	H2	2151886.63	0.4	103.6	60	125	
Sc (ISICPMS)	45	He	90661.58	1.1	97.2	60	125	
Ge (IS)	74	H2	410469.77	0.4	107.1	60	125	
Ge (IS)	74	He	55281.55	2.3	106.7	60	125	
Kr	83	He	46.71	32.7	1400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122125.39	0.2	95.6	60	125	
Tb (IS)	159	He	622783.48	0.2	100.0	60	125	
Bi (IS)	209	He	418355.80	0.7	97.3	60	125	

Sample Report

File Name 072SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:27:36

Sample Name **460-303237-a-31-a**

Comment ---

Dilution **1.0000**

Vial # 3203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.644	ug/l	1.9	2000	
B	11	6	No Gas	25.915	ug/l	0.4	2000	
Na	23	45	He	333.831	ug/l	2.4	500000	
Mg	24	45	He	18973.355	ug/l	1.4	500000	
Al	27	45	He	82832.432	ug/l	1.6	500000	
K	39	45	He	5456.901	ug/l	2.1	500000	
Ca	40	45	H2	4782.697	ug/l	1.6	1000000	
Ti	47	45	No Gas	442.355	ug/l	1.2	10000	
V	51	45	He	124.325	ug/l	1.2	5000	
Cr	52	45	He	89.151	ug/l	1.3	20000	
Mn	55	45	He	3625.928	ug/l	3.2	20000	
Fe	56	45	H2	134107.772	ug/l	1.4	500000	
Co	59	45	He	60.579	ug/l	2.5	2000	
Ni	60	45	He	108.318	ug/l	0.6	20000	
Cu	63	45	He	112.056	ug/l	2.2	20000	
Zn	66	45	He	875.499	ug/l	2.2	20000	
As	75	74	He	199.562	ug/l	0.8	5000	
Se	78	74	H2	2.040	ug/l	6.7	3000	
Sr	88	115	He	43.421	ug/l	3.8	5000	
Mo	95	115	He	2.527	ug/l	3.0	2000	
Ag	107	115	He	0.838	ug/l	4.3	1000	
Cd	111	115	He	1.794	ug/l	6.9	5000	
Sn	118	115	He	22.888	ug/l	2.0	2000	
Sb	121	115	He	1.270	ug/l	4.8	1000	
Ba	137	159	He	666.715	ug/l	0.7	20000	
Tl	205	209	He	0.766	ug/l	5.8	1000	
[Pb]	206	209	He	899.010	ug/l	2.1		
[Pb]	207	209	He	848.363	ug/l	0.8		
Pb	208	209	He	858.895	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6315219.70	1.1	93.0	60	125	
Sc (ISICPMS)	45	No Gas	7609145.31	0.9	101.8	60	125	
Sc (ISICPMS)	45	H2	2079770.16	1.5	100.2	60	125	
Sc (ISICPMS)	45	He	88537.34	1.7	94.9	60	125	
Ge (IS)	74	H2	399649.60	0.9	104.2	60	125	
Ge (IS)	74	He	53676.44	0.9	103.6	60	125	
Kr	83	He	60.06	16.7	1800.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120281.74	0.2	94.2	60	125	
Tb (IS)	159	He	608960.15	0.4	97.7	60	125	
Bi (IS)	209	He	414297.00	1.1	96.4	60	125	

Sample Report

File Name 073SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:30:04

Sample Name **460-303237-a-32-a**

Comment ---

Dilution **1.0000**

Vial # 3204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.264	ug/l	3.7	2000	
B	11	6	No Gas	27.983	ug/l	1.5	2000	
Na	23	45	He	315.007	ug/l	3.8	500000	
Mg	24	45	He	21236.445	ug/l	2.0	500000	
Al	27	45	He	103637.960	ug/l	1.7	500000	
K	39	45	He	5656.073	ug/l	1.9	500000	
Ca	40	45	H2	7040.846	ug/l	1.5	1000000	
Ti	47	45	No Gas	526.865	ug/l	0.5	10000	
V	51	45	He	161.472	ug/l	1.4	5000	
Cr	52	45	He	107.764	ug/l	1.1	20000	
Mn	55	45	He	5524.768	ug/l	1.0	20000	
Fe	56	45	H2	149907.985	ug/l	1.6	500000	
Co	59	45	He	64.063	ug/l	1.6	2000	
Ni	60	45	He	134.226	ug/l	1.1	20000	
Cu	63	45	He	155.747	ug/l	1.0	20000	
Zn	66	45	He	857.752	ug/l	2.5	20000	
As	75	74	He	497.225	ug/l	3.1	5000	
Se	78	74	H2	3.988	ug/l	6.6	3000	
Sr	88	115	He	62.554	ug/l	1.5	5000	
Mo	95	115	He	3.651	ug/l	5.2	2000	
Ag	107	115	He	0.650	ug/l	5.5	1000	
Cd	111	115	He	2.175	ug/l	6.9	5000	
Sn	118	115	He	21.821	ug/l	3.2	2000	
Sb	121	115	He	2.514	ug/l	2.6	1000	
Ba	137	159	He	785.243	ug/l	1.2	20000	
Tl	205	209	He	1.065	ug/l	5.6	1000	
[Pb]	206	209	He	1893.837	ug/l	1.6		
[Pb]	207	209	He	1793.793	ug/l	0.8		
Pb	208	209	He	1833.736	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6300466.85	1.0	92.8	60	125	
Sc (ISICPMS)	45	No Gas	7517368.43	0.1	100.6	60	125	
Sc (ISICPMS)	45	H2	2072239.24	1.3	99.8	60	125	
Sc (ISICPMS)	45	He	86759.84	1.6	93.0	60	125	
Ge (IS)	74	H2	394910.16	0.6	103.0	60	125	
Ge (IS)	74	He	53040.13	1.8	102.3	60	125	
Kr	83	He	33.37	45.8	1000.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117430.47	0.7	91.9	60	125	
Tb (IS)	159	He	606719.89	0.4	97.4	60	125	
Bi (IS)	209	He	413591.97	0.7	96.2	60	125	

Sample Report

File Name 074SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:32:32

Sample Name **460-303237-a-33-a**

Comment ---

Dilution **1.0000**

Vial # 3205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.238	ug/l	2.8	2000	
B	11	6	No Gas	23.425	ug/l	0.8	2000	
Na	23	45	He	300.745	ug/l	1.6	500000	
Mg	24	45	He	23792.422	ug/l	0.3	500000	
Al	27	45	He	98900.337	ug/l	0.3	500000	
K	39	45	He	6342.191	ug/l	0.1	500000	
Ca	40	45	H2	4261.957	ug/l	0.9	1000000	
Ti	47	45	No Gas	453.917	ug/l	0.4	10000	
V	51	45	He	132.540	ug/l	0.4	5000	
Cr	52	45	He	98.067	ug/l	0.7	20000	
Mn	55	45	He	3544.954	ug/l	0.2	20000	
Fe	56	45	H2	163635.610	ug/l	0.9	500000	
Co	59	45	He	75.352	ug/l	0.4	2000	
Ni	60	45	He	132.545	ug/l	0.9	20000	
Cu	63	45	He	101.555	ug/l	1.5	20000	
Zn	66	45	He	457.206	ug/l	1.8	20000	
As	75	74	He	72.130	ug/l	3.1	5000	
Se	78	74	H2	1.097	ug/l	2.2	3000	
Sr	88	115	He	51.801	ug/l	3.3	5000	
Mo	95	115	He	2.163	ug/l	4.4	2000	
Ag	107	115	He	0.149	ug/l	19.7	1000	
Cd	111	115	He	0.936	ug/l	19.1	5000	
Sn	118	115	He	11.374	ug/l	3.8	2000	
Sb	121	115	He	1.057	ug/l	6.2	1000	
Ba	137	159	He	565.286	ug/l	0.9	20000	
Tl	205	209	He	0.855	ug/l	2.2	1000	
[Pb]	206	209	He	176.234	ug/l	0.1		
[Pb]	207	209	He	168.936	ug/l	0.8		
Pb	208	209	He	171.827	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6236716.23	1.2	91.9	60	125	
Sc (ISICPMS)	45	No Gas	7471887.81	0.1	100.0	60	125	
Sc (ISICPMS)	45	H2	2071852.31	0.4	99.8	60	125	
Sc (ISICPMS)	45	He	86471.46	0.8	92.7	60	125	
Ge (IS)	74	H2	392963.75	0.9	102.5	60	125	
Ge (IS)	74	He	52618.25	1.4	101.5	60	125	
Kr	83	He	43.38	26.6	1300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117515.62	0.6	92.0	60	125	
Tb (IS)	159	He	605670.52	0.4	97.2	60	125	
Bi (IS)	209	He	408727.63	0.4	95.1	60	125	

Sample Report

File Name 075SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:35:01

Sample Name **460-303237-a-34-a**

Comment ---

Dilution **1.0000**

Vial # 3206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.632	ug/l	2.1	2000	
B	11	6	No Gas	26.659	ug/l	1.6	2000	
Na	23	45	He	291.015	ug/l	2.0	500000	
Mg	24	45	He	24134.108	ug/l	0.4	500000	
Al	27	45	He	109018.042	ug/l	0.8	500000	
K	39	45	He	6611.937	ug/l	1.0	500000	
Ca	40	45	H2	3967.803	ug/l	0.9	1000000	
Ti	47	45	No Gas	481.574	ug/l	0.9	10000	
V	51	45	He	146.216	ug/l	1.9	5000	
Cr	52	45	He	104.065	ug/l	1.8	20000	
Mn	55	45	He	4186.925	ug/l	0.7	20000	
Fe	56	45	H2	168636.159	ug/l	1.5	500000	
Co	59	45	He	73.607	ug/l	1.0	2000	
Ni	60	45	He	137.946	ug/l	0.7	20000	
Cu	63	45	He	111.428	ug/l	1.3	20000	
Zn	66	45	He	481.300	ug/l	1.3	20000	
As	75	74	He	168.412	ug/l	2.7	5000	
Se	78	74	H2	1.774	ug/l	18.8	3000	
Sr	88	115	He	44.826	ug/l	1.9	5000	
Mo	95	115	He	2.529	ug/l	4.9	2000	
Ag	107	115	He	0.294	ug/l	6.0	1000	
Cd	111	115	He	0.766	ug/l	13.2	5000	
Sn	118	115	He	13.445	ug/l	0.8	2000	
Sb	121	115	He	1.280	ug/l	5.0	1000	
Ba	137	159	He	715.836	ug/l	1.6	20000	
Tl	205	209	He	0.886	ug/l	3.9	1000	
[Pb]	206	209	He	383.277	ug/l	1.6		
[Pb]	207	209	He	363.400	ug/l	1.0		
Pb	208	209	He	372.129	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6176823.52	0.2	91.0	60	125	
Sc (ISICPMS)	45	No Gas	7459185.79	1.0	99.8	60	125	
Sc (ISICPMS)	45	H2	2056744.73	0.4	99.0	60	125	
Sc (ISICPMS)	45	He	86502.81	0.7	92.7	60	125	
Ge (IS)	74	H2	388094.69	1.0	101.2	60	125	
Ge (IS)	74	He	53351.60	0.8	102.9	60	125	
Kr	83	He	46.71	44.6	1400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117131.14	0.7	91.7	60	125	
Tb (IS)	159	He	608192.64	0.8	97.6	60	125	
Bi (IS)	209	He	408620.00	1.9	95.0	60	125	

Sample Report

File Name 076SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:37:28

Sample Name **460-303237-a-35-a**

Comment ---

Dilution **1.0000**

Vial # 3207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.441	ug/l	2.5	2000	
B	11	6	No Gas	30.112	ug/l	0.7	2000	
Na	23	45	He	339.521	ug/l	1.5	500000	
Mg	24	45	He	23225.291	ug/l	1.2	500000	
Al	27	45	He	102652.787	ug/l	0.8	500000	
K	39	45	He	7488.027	ug/l	1.0	500000	
Ca	40	45	H2	5197.437	ug/l	1.5	1000000	
Ti	47	45	No Gas	531.798	ug/l	0.2	10000	
V	51	45	He	147.426	ug/l	0.1	5000	
Cr	52	45	He	107.453	ug/l	0.9	20000	
Mn	55	45	He	4413.395	ug/l	0.1	20000	
Fe	56	45	H2	176698.334	ug/l	0.7	500000	
Co	59	45	He	77.800	ug/l	0.5	2000	
Ni	60	45	He	130.392	ug/l	1.0	20000	
Cu	63	45	He	119.232	ug/l	0.6	20000	
Zn	66	45	He	845.173	ug/l	0.9	20000	
As	75	74	He	89.199	ug/l	0.8	5000	
Se	78	74	H2	1.961	ug/l	11.5	3000	
Sr	88	115	He	54.223	ug/l	1.4	5000	
Mo	95	115	He	3.872	ug/l	1.5	2000	
Ag	107	115	He	0.313	ug/l	2.6	1000	
Cd	111	115	He	1.364	ug/l	13.0	5000	
Sn	118	115	He	17.802	ug/l	2.0	2000	
Sb	121	115	He	1.192	ug/l	7.9	1000	
Ba	137	159	He	563.677	ug/l	1.2	20000	
Tl	205	209	He	0.855	ug/l	2.3	1000	
[Pb]	206	209	He	568.308	ug/l	0.7		
[Pb]	207	209	He	535.400	ug/l	0.4		
Pb	208	209	He	545.142	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6233690.88	1.0	91.8	60	125	
Sc (ISICPMS)	45	No Gas	7528168.99	0.2	100.7	60	125	
Sc (ISICPMS)	45	H2	2065849.29	0.3	99.5	60	125	
Sc (ISICPMS)	45	He	86901.01	0.7	93.1	60	125	
Ge (IS)	74	H2	389743.63	0.8	101.7	60	125	
Ge (IS)	74	He	52400.45	1.6	101.1	60	125	
Kr	83	He	43.38	53.3	1300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117262.00	1.1	91.8	60	125	
Tb (IS)	159	He	606890.61	0.2	97.4	60	125	
Bi (IS)	209	He	412628.39	0.2	96.0	60	125	

Sample Report

File Name 077SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:39:57

Sample Name **460-303237-a-36-a**

Comment ---

Dilution **1.0000**

Vial # 3208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.277	ug/l	1.3	2000	
B	11	6	No Gas	50.706	ug/l	1.2	2000	
Na	23	45	He	3173.411	ug/l	0.4	500000	
Mg	24	45	He	20180.740	ug/l	2.2	500000	
Al	27	45	He	176995.522	ug/l	0.7	500000	
K	39	45	He	7942.332	ug/l	0.5	500000	
Ca	40	45	H2	7669.052	ug/l	0.7	1000000	
Ti	47	45	No Gas	1641.313	ug/l	0.3	10000	
V	51	45	He	365.541	ug/l	0.4	5000	
Cr	52	45	He	307.041	ug/l	1.1	20000	
Mn	55	45	He	1286.409	ug/l	0.6	20000	
Fe	56	45	H2	259741.798	ug/l	0.4	500000	
Co	59	45	He	46.607	ug/l	0.9	2000	
Ni	60	45	He	117.164	ug/l	1.2	20000	
Cu	63	45	He	141.069	ug/l	0.8	20000	
Zn	66	45	He	577.853	ug/l	1.0	20000	
As	75	74	He	87.656	ug/l	2.8	5000	
Se	78	74	H2	5.233	ug/l	5.0	3000	
Sr	88	115	He	56.205	ug/l	1.7	5000	
Mo	95	115	He	8.041	ug/l	2.3	2000	
Ag	107	115	He	0.439	ug/l	2.8	1000	
Cd	111	115	He	1.203	ug/l	7.1	5000	
Sn	118	115	He	56.100	ug/l	2.5	2000	
Sb	121	115	He	2.108	ug/l	2.0	1000	
Ba	137	159	He	579.617	ug/l	1.0	20000	
Tl	205	209	He	1.406	ug/l	4.0	1000	
[Pb]	206	209	He	415.170	ug/l	0.5		
[Pb]	207	209	He	400.734	ug/l	0.4		
Pb	208	209	He	408.212	ug/l	0.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6113303.04	1.2	90.1	60	125	
Sc (ISICPMS)	45	No Gas	7595428.71	0.7	101.6	60	125	
Sc (ISICPMS)	45	H2	2116765.42	1.0	101.9	60	125	
Sc (ISICPMS)	45	He	88582.33	0.6	94.9	60	125	
Ge (IS)	74	H2	388689.42	0.9	101.4	60	125	
Ge (IS)	74	He	52075.51	0.4	100.5	60	125	
Kr	83	He	103.44	5.6	3100.1			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117025.65	1.1	91.6	60	125	
Tb (IS)	159	He	610142.30	1.0	97.9	60	125	
Bi (IS)	209	He	408858.51	0.2	95.1	60	125	

Continuing Calibration Verification (CCV)

File Name 078_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:42:23

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.373	ug/l	0.3	100	90	110	
B	11	6	No Gas	248.965	ug/l	1.2	250	225	275	
Na	23	45	He	25819.842	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	25270.753	ug/l	1.4	25000	22500	27500	
Al	27	45	He	23873.473	ug/l	0.7	25000	22500	27500	
K	39	45	He	24813.634	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	24702.322	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	95.898	ug/l	0.5	100	90	110	
V	51	45	He	101.666	ug/l	1.4	100	90	110	
Cr	52	45	He	103.762	ug/l	1.4	100	90	110	
Mn	55	45	He	101.090	ug/l	0.7	100	90	110	
Fe	56	45	H2	25708.581	ug/l	1.1	25000	22500	27500	
Co	59	45	He	105.172	ug/l	0.7	100	90	110	
Ni	60	45	He	104.523	ug/l	1.9	100	90	110	
Cu	63	45	He	104.562	ug/l	0.4	100	90	110	
Zn	66	45	He	257.961	ug/l	0.5	250	225	275	
As	75	74	He	99.189	ug/l	4.6	100	90	110	
Se	78	74	H2	103.953	ug/l	1.7	100	90	110	
Sr	88	115	He	95.922	ug/l	0.8	100	90	110	
Mo	95	115	He	101.313	ug/l	0.6	100	90	110	
Ag	107	115	He	51.934	ug/l	0.6	50	45	55	
Cd	111	115	He	100.634	ug/l	2.4	100	90	110	
Sn	118	115	He	100.851	ug/l	1.9	100	90	110	
Sb	121	115	He	97.876	ug/l	0.3	100	90	110	
Ba	137	159	He	98.513	ug/l	3.9	100	90	110	
Tl	205	209	He	99.295	ug/l	0.5	100	90	110	
[Pb]	206	209	He	100.359	ug/l	1.4				
[Pb]	207	209	He	98.937	ug/l	1.2				
Pb	208	209	He	99.696	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6143000.05	0.6	90.5	60	125	
Sc (ISICPMS)	45	No Gas	7422474.06	0.5	99.3	60	125	
Sc (ISICPMS)	45	H2	2046729.86	0.8	98.6	60	125	
Sc (ISICPMS)	45	He	86127.34	1.1	92.3	60	125	
Ge (IS)	74	H2	385316.99	0.8	100.5	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52259.96	2.2	100.8	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	122033.13	0.7	95.5	60	125	
Tb (IS)	159	He	605130.06	0.3	97.1	60	125	
Bi (IS)	209	He	414755.76	0.7	96.5	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 079_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:44:51

Sample Name **CCB**

Comment ---

Dilution 1.0000

Pol[illegible]ant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	57.7	0.8	-0.8	0.8	
B	11	6	No Gas	2.619	ug/l	9.9	40	-40	40	
Na	23	45	He	14.375	ug/l	36.4	500	-500	500	
Mg	24	45	He	1.473	ug/l	87.3	200	-200	200	
Al	27	45	He	4.991	ug/l	31.3	40	-40	40	
K	39	45	He	31.549	ug/l	21.6	200	-200	200	
Ca	40	45	H2	1.452	ug/l	38.3	500	-500	500	
Ti	47	45	No Gas	0.056	ug/l	46.6	4	-4	4	
V	51	45	He	-0.402	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.116	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.415	ug/l	11.3	8	-8	8	
Fe	56	45	H2	12.116	ug/l	9.9	60	-60	60	
Co	59	45	He	0.009	ug/l	125.8	4	-4	4	
Ni	60	45	He	-0.014	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.151	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.909	ug/l	N/A	16	-16	16	
As	75	74	He	0.009	ug/l	1285.2	2	-2	2	
Se	78	74	H2	0.140	ug/l	41.6	2.5	-2.5	2.5	
Sr	88	115	He	-0.062	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.013	ug/l	155.7	4	-4	4	
Ag	107	115	He	0.003	ug/l	38.7	2	-2	2	
Cd	111	115	He	0.013	ug/l	146.7	2	-2	2	
Sn	118	115	He	0.175	ug/l	160.5	16	-16	16	
Sb	121	115	He	-0.039	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.284	ug/l	11.9	4	-4	4	
Tl	205	209	He	0.006	ug/l	118.7	0.8	-0.8	0.8	
[Pb]	206	209	He	0.076	ug/l	16.1				
[Pb]	207	209	He	0.105	ug/l	8.5				
Pb	208	209	He	0.090	ug/l	17.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6051984.42	0.8	89.2	60	125	
Sc (ISICPMS)	45	No Gas	7477616.00	0.8	100.1	60	125	
Sc (ISICPMS)	45	H2	2050162.71	0.7	98.7	60	125	
Sc (ISICPMS)	45	He	86108.35	1.1	92.3	60	125	
Ge (IS)	74	H2	372790.38	0.4	97.2	60	125	
Ge (IS)	74	He	49747.91	1.9	96.0	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	121919.85	0.9	95.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	600416.57	0.3	96.4	60	125	
Bi (IS)	209	He	420557.47	0.5	97.8	60	125	

Sample Report

File Name 080SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:47:17

Sample Name **mb 460-975439/1-a**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	70.5	2000	
B	11	6	No Gas	1.467	ug/l	8.9	2000	
Na	23	45	He	7.751	ug/l	22.8	500000	
Mg	24	45	He	0.518	ug/l	131.1	500000	
Al	27	45	He	1.552	ug/l	126.8	500000	
K	39	45	He	31.905	ug/l	6.9	500000	
Ca	40	45	H2	-3.543	ug/l	N/A	1000000	
Ti	47	45	No Gas	0.034	ug/l	63.5	10000	
V	51	45	He	-0.413	ug/l	N/A	5000	
Cr	52	45	He	-0.158	ug/l	N/A	20000	
Mn	55	45	He	0.244	ug/l	18.6	20000	
Fe	56	45	H2	4.568	ug/l	4.1	500000	
Co	59	45	He	0.004	ug/l	124.1	2000	
Ni	60	45	He	-0.027	ug/l	N/A	20000	
Cu	63	45	He	-0.183	ug/l	N/A	20000	
Zn	66	45	He	-1.149	ug/l	N/A	20000	
As	75	74	He	-0.089	ug/l	N/A	5000	
Se	78	74	H2	0.190	ug/l	53.2	3000	
Sr	88	115	He	-0.070	ug/l	N/A	5000	
Mo	95	115	He	0.000	ug/l	N/A	2000	
Ag	107	115	He	0.002	ug/l	149.7	1000	
Cd	111	115	He	0.013	ug/l	147.1	5000	
Sn	118	115	He	0.129	ug/l	44.8	2000	
Sb	121	115	He	-0.023	ug/l	N/A	1000	
Ba	137	159	He	0.293	ug/l	11.6	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	0.074	ug/l	10.8		
[Pb]	207	209	He	0.069	ug/l	40.9		
Pb	208	209	He	0.071	ug/l	6.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6086442.27	0.6	89.7	60	125	
Sc (ISICPMS)	45	No Gas	7463364.06	0.8	99.9	60	125	
Sc (ISICPMS)	45	H2	2063121.72	0.7	99.3	60	125	
Sc (ISICPMS)	45	He	87485.72	0.6	93.8	60	125	
Ge (IS)	74	H2	373272.07	0.8	97.4	60	125	
Ge (IS)	74	He	50782.98	0.3	98.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121124.57	1.3	94.8	60	125	
Tb (IS)	159	He	601446.86	0.5	96.5	60	125	
Bi (IS)	209	He	418709.37	0.4	97.4	60	125	

Sample Report

File Name 081SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:49:52

Sample Name **lcs 460-975439/2-a@10**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	91.057	ug/l	1.5	2000	
B	11	6	No Gas	100.971	ug/l	1.0	2000	
Na	23	45	He	2011.976	ug/l	0.2	500000	
Mg	24	45	He	1940.015	ug/l	1.1	500000	
Al	27	45	He	465.488	ug/l	0.1	500000	
K	39	45	He	2015.360	ug/l	0.7	500000	
Ca	40	45	H2	1994.913	ug/l	1.1	1000000	
Ti	47	45	No Gas	94.067	ug/l	1.4	10000	
V	51	45	He	49.200	ug/l	1.5	5000	
Cr	52	45	He	499.458	ug/l	0.4	20000	
Mn	55	45	He	93.470	ug/l	1.1	20000	
Fe	56	45	H2	101.881	ug/l	0.2	500000	
Co	59	45	He	100.581	ug/l	0.7	2000	
Ni	60	45	He	98.042	ug/l	0.6	20000	
Cu	63	45	He	101.044	ug/l	0.5	20000	
Zn	66	45	He	95.438	ug/l	2.4	20000	
As	75	74	He	490.331	ug/l	1.7	5000	
Se	78	74	H2	96.826	ug/l	3.6	3000	
Sr	88	115	He	90.554	ug/l	1.7	5000	
Mo	95	115	He	100.369	ug/l	0.6	2000	
Ag	107	115	He	48.139	ug/l	1.2	1000	
Cd	111	115	He	96.700	ug/l	2.4	5000	
Sn	118	115	He	99.689	ug/l	0.8	2000	
Sb	121	115	He	96.244	ug/l	0.5	1000	
Ba	137	159	He	930.618	ug/l	0.9	20000	
Tl	205	209	He	92.536	ug/l	0.3	1000	
[Pb]	206	209	He	494.671	ug/l	1.2		
[Pb]	207	209	He	477.255	ug/l	0.5		
Pb	208	209	He	483.992	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6098944.01	1.0	89.9	60	125	
Sc (ISICPMS)	45	No Gas	7490377.39	0.7	100.2	60	125	
Sc (ISICPMS)	45	H2	2087992.52	0.1	100.5	60	125	
Sc (ISICPMS)	45	He	88425.15	0.5	94.8	60	125	
Ge (IS)	74	H2	381781.95	0.1	99.6	60	125	
Ge (IS)	74	He	52038.61	1.2	100.4	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123140.99	0.7	96.4	60	125	
Tb (IS)	159	He	602356.98	0.6	96.7	60	125	
Bi (IS)	209	He	418223.77	0.4	97.3	60	125	

Sample Report

File Name 082SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:52:20

Sample Name **pds 460-303871-m-1-f@10**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.354	ug/l	2.2	2000	
B	11	6	No Gas	522.907	ug/l	2.2	2000	
Na	23	45	He	140752.759	ug/l	0.4	500000	
Mg	24	45	He	3981.552	ug/l	0.8	500000	
Al	27	45	He	2376.467	ug/l	0.6	500000	
K	39	45	He	2989.780	ug/l	1.4	500000	
Ca	40	45	H2	29809.230	ug/l	0.8	1000000	
Ti	47	45	No Gas	47.688	ug/l	1.9	10000	
V	51	45	He	48.612	ug/l	2.4	5000	
Cr	52	45	He	49.276	ug/l	1.2	20000	
Mn	55	45	He	605.545	ug/l	0.5	20000	
Fe	56	45	H2	2487.789	ug/l	0.6	500000	
Co	59	45	He	29.395	ug/l	1.4	2000	
Ni	60	45	He	66.829	ug/l	2.1	20000	
Cu	63	45	He	51.309	ug/l	0.5	20000	
Zn	66	45	He	262.486	ug/l	1.1	20000	
As	75	74	He	50.772	ug/l	1.8	5000	
Se	78	74	H2	49.586	ug/l	2.9	3000	
Sr	88	115	He	109.664	ug/l	1.3	5000	
Mo	95	115	He	50.662	ug/l	1.9	2000	
Ag	107	115	He	11.244	ug/l	0.8	1000	
Cd	111	115	He	25.680	ug/l	1.8	5000	
Sn	118	115	He	50.066	ug/l	0.2	2000	
Sb	121	115	He	25.936	ug/l	0.8	1000	
Ba	137	159	He	97.284	ug/l	1.1	20000	
Tl	205	209	He	19.428	ug/l	0.7	1000	
[Pb]	206	209	He	27.106	ug/l	2.5		
[Pb]	207	209	He	26.978	ug/l	1.5		
Pb	208	209	He	27.036	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5976480.88	0.7	88.1	60	125	
Sc (ISICPMS)	45	No Gas	7525278.22	0.6	100.7	60	125	
Sc (ISICPMS)	45	H2	2096330.14	0.7	100.9	60	125	
Sc (ISICPMS)	45	He	89873.45	0.3	96.3	60	125	
Ge (IS)	74	H2	391906.38	1.1	102.2	60	125	
Ge (IS)	74	He	52842.90	1.2	102.0	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122207.02	0.3	95.7	60	125	
Tb (IS)	159	He	603088.84	1.0	96.8	60	125	
Bi (IS)	209	He	407772.40	1.0	94.9	60	125	

Sample Report

File Name 083SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:54:45

Sample Name **460-303871-m-1-h ms@10**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	93.517	ug/l	2.0	2000	
B	11	6	No Gas	115.031	ug/l	1.3	2000	
Na	23	45	He	141563.257	ug/l	0.6	500000	
Mg	24	45	He	3615.284	ug/l	0.6	500000	
Al	27	45	He	523.524	ug/l	1.4	500000	
K	39	45	He	2594.427	ug/l	0.8	500000	
Ca	40	45	H2	29515.890	ug/l	1.4	1000000	
Ti	47	45	No Gas	98.475	ug/l	0.7	10000	
V	51	45	He	51.378	ug/l	1.4	5000	
Cr	52	45	He	507.432	ug/l	0.4	20000	
Mn	55	45	He	462.874	ug/l	0.7	20000	
Fe	56	45	H2	122.638	ug/l	1.4	500000	
Co	59	45	He	104.816	ug/l	1.3	2000	
Ni	60	45	He	116.042	ug/l	1.4	20000	
Cu	63	45	He	101.136	ug/l	0.4	20000	
Zn	66	45	He	108.604	ug/l	1.2	20000	
As	75	74	He	513.689	ug/l	1.4	5000	
Se	78	74	H2	100.200	ug/l	3.6	3000	
Sr	88	115	He	157.587	ug/l	1.4	5000	
Mo	95	115	He	104.746	ug/l	0.9	2000	
Ag	107	115	He	47.820	ug/l	0.6	1000	
Cd	111	115	He	99.135	ug/l	1.3	5000	
Sn	118	115	He	102.952	ug/l	0.8	2000	
Sb	121	115	He	102.071	ug/l	1.8	1000	
Ba	137	159	He	1007.082	ug/l	0.7	20000	
Tl	205	209	He	96.195	ug/l	0.3	1000	
[Pb]	206	209	He	510.865	ug/l	0.7		
[Pb]	207	209	He	494.524	ug/l	0.6		
Pb	208	209	He	499.660	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6128592.68	1.4	90.3	60	125	
Sc (ISICPMS)	45	No Gas	7582984.06	0.8	101.5	60	125	
Sc (ISICPMS)	45	H2	2134337.17	1.0	102.8	60	125	
Sc (ISICPMS)	45	He	91220.75	0.5	97.8	60	125	
Ge (IS)	74	H2	400371.96	1.1	104.4	60	125	
Ge (IS)	74	He	53378.98	1.0	103.0	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124578.04	0.7	97.5	60	125	
Tb (IS)	159	He	613610.17	1.1	98.5	60	125	
Bi (IS)	209	He	410868.23	1.0	95.6	60	125	

Sample Report

File Name 084SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:57:12

Sample Name **460-303871-m-1-g du@10**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.045	ug/l	17.6	2000	
B	11	6	No Gas	11.734	ug/l	2.3	2000	
Na	23	45	He	139254.277	ug/l	1.4	500000	
Mg	24	45	He	1619.955	ug/l	1.0	500000	
Al	27	45	He	18.117	ug/l	0.5	500000	
K	39	45	He	552.309	ug/l	2.8	500000	
Ca	40	45	H2	28082.776	ug/l	1.1	1000000	
Ti	47	45	No Gas	1.447	ug/l	8.3	10000	
V	51	45	He	-0.423	ug/l	N/A	5000	
Cr	52	45	He	-0.196	ug/l	N/A	20000	
Mn	55	45	He	361.916	ug/l	0.6	20000	
Fe	56	45	H2	20.510	ug/l	2.9	500000	
Co	59	45	He	4.397	ug/l	2.0	2000	
Ni	60	45	He	17.026	ug/l	4.2	20000	
Cu	63	45	He	1.438	ug/l	2.3	20000	
Zn	66	45	He	9.508	ug/l	9.4	20000	
As	75	74	He	0.346	ug/l	12.0	5000	
Se	78	74	H2	0.104	ug/l	66.0	3000	
Sr	88	115	He	63.582	ug/l	2.0	5000	
Mo	95	115	He	0.045	ug/l	73.2	2000	
Ag	107	115	He	0.006	ug/l	85.5	1000	
Cd	111	115	He	0.209	ug/l	33.2	5000	
Sn	118	115	He	0.274	ug/l	29.0	2000	
Sb	121	115	He	0.058	ug/l	91.4	1000	
Ba	137	159	He	51.167	ug/l	2.0	20000	
Tl	205	209	He	0.007	ug/l	69.4	1000	
[Pb]	206	209	He	2.326	ug/l	5.5		
[Pb]	207	209	He	2.337	ug/l	2.1		
Pb	208	209	He	2.335	ug/l	2.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6203682.96	1.3	91.4	60	125	
Sc (ISICPMS)	45	No Gas	7669927.80	1.0	102.6	60	125	
Sc (ISICPMS)	45	H2	2152806.29	0.2	103.7	60	125	
Sc (ISICPMS)	45	He	92542.39	0.5	99.2	60	125	
Ge (IS)	74	H2	398278.34	1.2	103.9	60	125	
Ge (IS)	74	He	54102.17	2.2	104.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123666.14	0.9	96.8	60	125	
Tb (IS)	159	He	609716.63	0.7	97.9	60	125	
Bi (IS)	209	He	409249.27	0.6	95.2	60	125	

Sample Report

File Name 085SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 13:59:38

Sample Name **460-303871-m-1-f@10**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.039	ug/l	14.5	2000	
B	11	6	No Gas	10.435	ug/l	2.0	2000	
Na	23	45	He	136432.425	ug/l	1.1	500000	
Mg	24	45	He	1586.270	ug/l	1.7	500000	
Al	27	45	He	19.189	ug/l	9.8	500000	
K	39	45	He	560.686	ug/l	5.2	500000	
Ca	40	45	H2	27506.657	ug/l	0.8	1000000	
Ti	47	45	No Gas	1.590	ug/l	5.0	10000	
V	51	45	He	-0.412	ug/l	N/A	5000	
Cr	52	45	He	0.051	ug/l	129.9	20000	
Mn	55	45	He	358.076	ug/l	1.7	20000	
Fe	56	45	H2	19.571	ug/l	1.9	500000	
Co	59	45	He	4.344	ug/l	1.8	2000	
Ni	60	45	He	16.571	ug/l	2.2	20000	
Cu	63	45	He	1.389	ug/l	3.9	20000	
Zn	66	45	He	9.449	ug/l	5.8	20000	
As	75	74	He	0.252	ug/l	30.8	5000	
Se	78	74	H2	0.057	ug/l	141.6	3000	
Sr	88	115	He	62.203	ug/l	1.1	5000	
Mo	95	115	He	0.028	ug/l	174.4	2000	
Ag	107	115	He	0.001	ug/l	81.3	1000	
Cd	111	115	He	0.258	ug/l	26.0	5000	
Sn	118	115	He	0.334	ug/l	86.5	2000	
Sb	121	115	He	0.042	ug/l	88.7	1000	
Ba	137	159	He	49.495	ug/l	3.6	20000	
Tl	205	209	He	-0.006	ug/l	N/A	1000	
[Pb]	206	209	He	2.270	ug/l	3.8		
[Pb]	207	209	He	2.159	ug/l	8.4		
Pb	208	209	He	2.211	ug/l	4.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6141704.35	2.0	90.5	60	125	
Sc (ISICPMS)	45	No Gas	7661311.69	1.0	102.5	60	125	
Sc (ISICPMS)	45	H2	2164146.42	0.2	104.2	60	125	
Sc (ISICPMS)	45	He	92973.60	1.2	99.7	60	125	
Ge (IS)	74	H2	399317.94	0.6	104.2	60	125	
Ge (IS)	74	He	54705.40	0.6	105.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125033.77	0.4	97.9	60	125	
Tb (IS)	159	He	613197.22	1.1	98.4	60	125	
Bi (IS)	209	He	410525.46	0.7	95.5	60	125	

Sample Report

File Name 086SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:02:05

Sample Name **sd 460-303871-m-1-f@50**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	37.2	2000	
B	11	6	No Gas	3.130	ug/l	2.5	2000	
Na	23	45	He	27660.936	ug/l	0.8	500000	
Mg	24	45	He	322.965	ug/l	2.2	500000	
Al	27	45	He	4.546	ug/l	57.9	500000	
K	39	45	He	138.628	ug/l	5.4	500000	
Ca	40	45	H2	5428.129	ug/l	1.9	1000000	
Ti	47	45	No Gas	0.756	ug/l	28.5	10000	
V	51	45	He	-0.408	ug/l	N/A	5000	
Cr	52	45	He	-0.186	ug/l	N/A	20000	
Mn	55	45	He	72.277	ug/l	0.7	20000	
Fe	56	45	H2	4.638	ug/l	4.8	500000	
Co	59	45	He	0.877	ug/l	3.2	2000	
Ni	60	45	He	3.199	ug/l	5.5	20000	
Cu	63	45	He	0.140	ug/l	36.3	20000	
Zn	66	45	He	1.143	ug/l	55.6	20000	
As	75	74	He	0.011	ug/l	974.5	5000	
Se	78	74	H2	0.058	ug/l	93.3	3000	
Sr	88	115	He	12.658	ug/l	1.0	5000	
Mo	95	115	He	0.006	ug/l	511.4	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.019	ug/l	153.3	5000	
Sn	118	115	He	0.027	ug/l	157.1	2000	
Sb	121	115	He	-0.023	ug/l	N/A	1000	
Ba	137	159	He	10.699	ug/l	4.9	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.449	ug/l	8.2		
[Pb]	207	209	He	0.487	ug/l	0.7		
Pb	208	209	He	0.467	ug/l	4.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6247697.34	0.7	92.1	60	125	
Sc (ISICPMS)	45	No Gas	7766983.84	1.1	103.9	60	125	
Sc (ISICPMS)	45	H2	2195963.96	1.6	105.7	60	125	
Sc (ISICPMS)	45	He	93385.12	0.2	100.1	60	125	
Ge (IS)	74	H2	398838.48	1.2	104.0	60	125	
Ge (IS)	74	He	53830.69	2.0	103.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126428.49	0.9	99.0	60	125	
Tb (IS)	159	He	617224.78	0.4	99.1	60	125	
Bi (IS)	209	He	423299.99	0.7	98.5	60	125	

Sample Report

File Name 087SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:04:31

Sample Name **480-218918-a-1-l@10**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.019	ug/l	19.3	2000	
B	11	6	No Gas	6.396	ug/l	4.0	2000	
Na	23	45	He	152399.599	ug/l	1.4	500000	
Mg	24	45	He	226.670	ug/l	3.1	500000	
Al	27	45	He	8.420	ug/l	21.3	500000	
K	39	45	He	760.067	ug/l	1.8	500000	
Ca	40	45	H2	9193.359	ug/l	0.7	1000000	
Ti	47	45	No Gas	3.571	ug/l	1.7	10000	
V	51	45	He	-0.438	ug/l	N/A	5000	
Cr	52	45	He	0.152	ug/l	147.8	20000	
Mn	55	45	He	3.223	ug/l	9.4	20000	
Fe	56	45	H2	12.496	ug/l	0.9	500000	
Co	59	45	He	0.064	ug/l	31.6	2000	
Ni	60	45	He	-0.033	ug/l	N/A	20000	
Cu	63	45	He	0.229	ug/l	25.3	20000	
Zn	66	45	He	2524.030	ug/l	0.6	20000	
As	75	74	He	0.005	ug/l	1100.0	5000	
Se	78	74	H2	0.100	ug/l	68.1	3000	
Sr	88	115	He	4.395	ug/l	2.3	5000	
Mo	95	115	He	0.011	ug/l	170.3	2000	
Ag	107	115	He	0.004	ug/l	85.1	1000	
Cd	111	115	He	0.019	ug/l	115.1	5000	
Sn	118	115	He	0.204	ug/l	40.8	2000	
Sb	121	115	He	0.243	ug/l	20.3	1000	
Ba	137	159	He	3.276	ug/l	4.5	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	0.703	ug/l	2.6		
[Pb]	207	209	He	0.673	ug/l	4.2		
Pb	208	209	He	0.688	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6229031.16	0.9	91.8	60	125	
Sc (ISICPMS)	45	No Gas	7790149.33	0.8	104.3	60	125	
Sc (ISICPMS)	45	H2	2182985.28	0.4	105.1	60	125	
Sc (ISICPMS)	45	He	92910.97	0.9	99.6	60	125	
Ge (IS)	74	H2	413045.02	0.3	107.7	60	125	
Ge (IS)	74	He	55630.05	1.3	107.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125438.13	0.4	98.2	60	125	
Tb (IS)	159	He	608392.59	0.4	97.7	60	125	
Bi (IS)	209	He	411687.45	0.5	95.8	60	125	

Sample Report

File Name 088SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:06:58

Sample Name **180-173834-c-3-d@10**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	84.4	2000	
B	11	6	No Gas	26.093	ug/l	0.6	2000	
Na	23	45	He	146054.495	ug/l	1.0	500000	
Mg	24	45	He	83.304	ug/l	2.0	500000	
Al	27	45	He	6.606	ug/l	35.0	500000	
K	39	45	He	155.864	ug/l	4.2	500000	
Ca	40	45	H2	632.341	ug/l	0.4	1000000	
Ti	47	45	No Gas	1.542	ug/l	3.3	10000	
V	51	45	He	-0.302	ug/l	N/A	5000	
Cr	52	45	He	0.200	ug/l	72.8	20000	
Mn	55	45	He	1.589	ug/l	15.7	20000	
Fe	56	45	H2	8.025	ug/l	6.8	500000	
Co	59	45	He	0.025	ug/l	43.7	2000	
Ni	60	45	He	0.680	ug/l	14.4	20000	
Cu	63	45	He	0.200	ug/l	48.0	20000	
Zn	66	45	He	541.856	ug/l	0.6	20000	
As	75	74	He	-0.080	ug/l	N/A	5000	
Se	78	74	H2	0.057	ug/l	34.9	3000	
Sr	88	115	He	1.525	ug/l	17.1	5000	
Mo	95	115	He	3.490	ug/l	1.7	2000	
Ag	107	115	He	-0.003	ug/l	N/A	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.277	ug/l	22.5	2000	
Sb	121	115	He	0.005	ug/l	521.3	1000	
Ba	137	159	He	3.876	ug/l	2.7	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.707	ug/l	5.3		
[Pb]	207	209	He	0.676	ug/l	3.4		
Pb	208	209	He	0.694	ug/l	2.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6208215.32	1.3	91.5	60	125	
Sc (ISICPMS)	45	No Gas	7733266.21	0.9	103.5	60	125	
Sc (ISICPMS)	45	H2	2176364.03	0.4	104.8	60	125	
Sc (ISICPMS)	45	He	93329.07	0.6	100.0	60	125	
Ge (IS)	74	H2	400993.21	0.4	104.6	60	125	
Ge (IS)	74	He	54574.57	3.2	105.3	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125679.01	0.9	98.4	60	125	
Tb (IS)	159	He	610408.26	1.3	98.0	60	125	
Bi (IS)	209	He	408292.38	0.4	95.0	60	125	

Sample Report

File Name 089SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:09:24

Sample Name **460-303826-b-1-d@10**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	31.0	2000	
B	11	6	No Gas	5.205	ug/l	4.2	2000	
Na	23	45	He	147450.355	ug/l	1.1	500000	
Mg	24	45	He	156.253	ug/l	3.5	500000	
Al	27	45	He	58.754	ug/l	6.8	500000	
K	39	45	He	148.184	ug/l	3.0	500000	
Ca	40	45	H2	2185.598	ug/l	1.4	1000000	
Ti	47	45	No Gas	1.872	ug/l	17.0	10000	
V	51	45	He	-0.140	ug/l	N/A	5000	
Cr	52	45	He	0.474	ug/l	14.3	20000	
Mn	55	45	He	44.213	ug/l	0.7	20000	
Fe	56	45	H2	637.268	ug/l	0.8	500000	
Co	59	45	He	0.537	ug/l	8.4	2000	
Ni	60	45	He	13.431	ug/l	2.7	20000	
Cu	63	45	He	13.680	ug/l	1.2	20000	
Zn	66	45	He	6417.607	ug/l	0.7	20000	
As	75	74	He	0.194	ug/l	100.5	5000	
Se	78	74	H2	0.021	ug/l	251.3	3000	
Sr	88	115	He	17.377	ug/l	2.1	5000	
Mo	95	115	He	0.189	ug/l	37.8	2000	
Ag	107	115	He	0.004	ug/l	85.1	1000	
Cd	111	115	He	0.025	ug/l	156.4	5000	
Sn	118	115	He	0.050	ug/l	436.5	2000	
Sb	121	115	He	0.060	ug/l	88.0	1000	
Ba	137	159	He	16.759	ug/l	5.8	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	1.090	ug/l	4.2		
[Pb]	207	209	He	1.040	ug/l	5.1		
Pb	208	209	He	1.046	ug/l	3.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6197642.48	0.6	91.3	60	125	
Sc (ISICPMS)	45	No Gas	7800590.23	1.2	104.4	60	125	
Sc (ISICPMS)	45	H2	2186766.20	1.1	105.3	60	125	
Sc (ISICPMS)	45	He	93686.46	0.7	100.4	60	125	
Ge (IS)	74	H2	405841.26	1.1	105.9	60	125	
Ge (IS)	74	He	55456.06	1.2	107.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126702.56	0.6	99.2	60	125	
Tb (IS)	159	He	613302.93	0.8	98.4	60	125	
Bi (IS)	209	He	409488.11	0.5	95.3	60	125	

Continuing Calibration Verification (CCV)

File Name 090_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:11:52

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.694	ug/l	2.4	100	90	110	
B	11	6	No Gas	252.760	ug/l	3.4	250	225	275	
Na	23	45	He	25311.210	ug/l	1.6	25000	22500	27500	
Mg	24	45	He	25108.077	ug/l	0.5	25000	22500	27500	
Al	27	45	He	23838.546	ug/l	1.3	25000	22500	27500	
K	39	45	He	25062.613	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	24666.130	ug/l	1.4	25000	22500	27500	
Ti	47	45	No Gas	97.607	ug/l	0.7	100	90	110	
V	51	45	He	98.397	ug/l	0.6	100	90	110	
Cr	52	45	He	99.794	ug/l	1.9	100	90	110	
Mn	55	45	He	99.294	ug/l	1.1	100	90	110	
Fe	56	45	H2	25027.684	ug/l	0.8	25000	22500	27500	
Co	59	45	He	101.212	ug/l	1.5	100	90	110	
Ni	60	45	He	101.668	ug/l	1.6	100	90	110	
Cu	63	45	He	100.848	ug/l	1.5	100	90	110	
Zn	66	45	He	249.272	ug/l	2.4	250	225	275	
As	75	74	He	100.573	ug/l	1.3	100	90	110	
Se	78	74	H2	101.813	ug/l	1.5	100	90	110	
Sr	88	115	He	97.990	ug/l	0.8	100	90	110	
Mo	95	115	He	100.860	ug/l	1.9	100	90	110	
Ag	107	115	He	50.541	ug/l	1.1	50	45	55	
Cd	111	115	He	98.916	ug/l	1.2	100	90	110	
Sn	118	115	He	100.157	ug/l	0.9	100	90	110	
Sb	121	115	He	98.669	ug/l	0.2	100	90	110	
Ba	137	159	He	99.957	ug/l	0.7	100	90	110	
Tl	205	209	He	100.087	ug/l	0.6	100	90	110	
[Pb]	206	209	He	99.010	ug/l	1.0				
[Pb]	207	209	He	101.262	ug/l	1.0				
Pb	208	209	He	99.731	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6301012.48	1.6	92.8	60	125	
Sc (ISICPMS)	45	No Gas	7796892.73	0.8	104.3	60	125	
Sc (ISICPMS)	45	H2	2234948.35	0.3	107.6	60	125	
Sc (ISICPMS)	45	He	95269.18	1.1	102.1	60	125	
Ge (IS)	74	H2	419246.27	0.5	109.4	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	56745.82	1.2	109.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	129915.43	1.0	101.7	60	125	
Tb (IS)	159	He	626567.39	1.1	100.6	60	125	
Bi (IS)	209	He	418188.51	0.8	97.3	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 091_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:14:17

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	76.8	0.8	-0.8	0.8	
B	11	6	No Gas	2.532	ug/l	2.5	40	-40	40	
Na	23	45	He	29.095	ug/l	29.3	500	-500	500	
Mg	24	45	He	3.045	ug/l	7.8	200	-200	200	
Al	27	45	He	3.784	ug/l	10.6	40	-40	40	
K	39	45	He	38.840	ug/l	18.8	200	-200	200	
Ca	40	45	H2	-0.930	ug/l	N/A	500	-500	500	
Ti	47	45	No Gas	0.337	ug/l	26.1	4	-4	4	
V	51	45	He	-0.405	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.041	ug/l	589.5	4	-4	4	
Mn	55	45	He	0.051	ug/l	134.4	8	-8	8	
Fe	56	45	H2	2.357	ug/l	1.1	60	-60	60	
Co	59	45	He	0.022	ug/l	85.6	4	-4	4	
Ni	60	45	He	-0.249	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.128	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.124	ug/l	N/A	16	-16	16	
As	75	74	He	-0.044	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.139	ug/l	50.0	2.5	-2.5	2.5	
Sr	88	115	He	-0.069	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.005	ug/l	636.7	4	-4	4	
Ag	107	115	He	0.007	ug/l	58.9	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.056	ug/l	166.3	16	-16	16	
Sb	121	115	He	0.001	ug/l	1928.3	2	-2	2	
Ba	137	159	He	0.355	ug/l	8.1	4	-4	4	
Tl	205	209	He	0.008	ug/l	18.3	0.8	-0.8	0.8	
[Pb]	206	209	He	0.023	ug/l	49.8				
[Pb]	207	209	He	0.056	ug/l	18.5				
Pb	208	209	He	0.035	ug/l	16.7	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6243515.74	1.1	92.0	60	125	
Sc (ISICPMS)	45	No Gas	7822992.31	0.4	104.7	60	125	
Sc (ISICPMS)	45	H2	2227656.72	0.8	107.3	60	125	
Sc (ISICPMS)	45	He	94301.59	0.6	101.1	60	125	
Ge (IS)	74	H2	401394.09	0.4	104.7	60	125	
Ge (IS)	74	He	54554.55	0.6	105.3	60	125	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	130270.03	1.0	102.0	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	621087.39	0.8	99.7	60	125	
Bi (IS)	209	He	427789.77	0.4	99.5	60	125	

Sample Report

File Name 092SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:16:44

Sample Name **460-303825-b-2-k@10**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.062	ug/l	7.7	2000	
B	11	6	No Gas	29.038	ug/l	2.0	2000	
Na	23	45	He	147884.692	ug/l	0.5	500000	
Mg	24	45	He	2179.891	ug/l	0.5	500000	
Al	27	45	He	40.331	ug/l	13.8	500000	
K	39	45	He	1874.032	ug/l	0.8	500000	
Ca	40	45	H2	1788.292	ug/l	0.8	1000000	
Ti	47	45	No Gas	1.445	ug/l	16.5	10000	
V	51	45	He	-0.210	ug/l	N/A	5000	
Cr	52	45	He	0.531	ug/l	52.3	20000	
Mn	55	45	He	13.546	ug/l	5.9	20000	
Fe	56	45	H2	419.498	ug/l	0.6	500000	
Co	59	45	He	2.175	ug/l	1.2	2000	
Ni	60	45	He	2.366	ug/l	5.9	20000	
Cu	63	45	He	1.758	ug/l	4.4	20000	
Zn	66	45	He	30.707	ug/l	2.7	20000	
As	75	74	He	0.532	ug/l	47.2	5000	
Se	78	74	H2	0.169	ug/l	21.0	3000	
Sr	88	115	He	22.906	ug/l	1.5	5000	
Mo	95	115	He	0.133	ug/l	24.1	2000	
Ag	107	115	He	0.008	ug/l	25.3	1000	
Cd	111	115	He	0.057	ug/l	83.3	5000	
Sn	118	115	He	0.200	ug/l	101.8	2000	
Sb	121	115	He	0.162	ug/l	33.4	1000	
Ba	137	159	He	8.342	ug/l	2.4	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	13.947	ug/l	0.6		
[Pb]	207	209	He	13.211	ug/l	3.7		
Pb	208	209	He	13.561	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6246385.74	1.8	92.0	60	125	
Sc (ISICPMS)	45	No Gas	7758955.58	0.4	103.8	60	125	
Sc (ISICPMS)	45	H2	2205140.65	0.3	106.2	60	125	
Sc (ISICPMS)	45	He	93585.74	0.4	100.3	60	125	
Ge (IS)	74	H2	410869.01	0.8	107.2	60	125	
Ge (IS)	74	He	55757.26	1.0	107.6	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126839.35	0.8	99.3	60	125	
Tb (IS)	159	He	613691.75	0.7	98.5	60	125	
Bi (IS)	209	He	411102.90	0.5	95.6	60	125	

Sample Report

File Name 093SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:19:11

Sample Name **460-303835-d-3-f@10**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	99.3	2000	
B	11	6	No Gas	6.680	ug/l	3.7	2000	
Na	23	45	He	141868.873	ug/l	1.4	500000	
Mg	24	45	He	747.596	ug/l	0.4	500000	
Al	27	45	He	59.807	ug/l	11.3	500000	
K	39	45	He	501.375	ug/l	2.9	500000	
Ca	40	45	H2	81264.345	ug/l	0.5	1000000	
Ti	47	45	No Gas	4.091	ug/l	15.8	10000	
V	51	45	He	1.296	ug/l	9.6	5000	
Cr	52	45	He	0.468	ug/l	48.9	20000	
Mn	55	45	He	23.252	ug/l	5.6	20000	
Fe	56	45	H2	62.014	ug/l	2.7	500000	
Co	59	45	He	0.132	ug/l	10.9	2000	
Ni	60	45	He	0.915	ug/l	11.2	20000	
Cu	63	45	He	1.807	ug/l	2.6	20000	
Zn	66	45	He	17.848	ug/l	3.3	20000	
As	75	74	He	0.936	ug/l	21.9	5000	
Se	78	74	H2	0.145	ug/l	71.3	3000	
Sr	88	115	He	453.935	ug/l	0.7	5000	
Mo	95	115	He	0.157	ug/l	23.0	2000	
Ag	107	115	He	0.005	ug/l	21.3	1000	
Cd	111	115	He	0.370	ug/l	28.5	5000	
Sn	118	115	He	0.450	ug/l	15.8	2000	
Sb	121	115	He	0.178	ug/l	15.0	1000	
Ba	137	159	He	61.956	ug/l	3.2	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	5.361	ug/l	1.0		
[Pb]	207	209	He	4.992	ug/l	6.7		
Pb	208	209	He	5.153	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6289254.14	0.9	92.7	60	125	
Sc (ISICPMS)	45	No Gas	7663520.93	0.7	102.6	60	125	
Sc (ISICPMS)	45	H2	2219054.64	0.6	106.9	60	125	
Sc (ISICPMS)	45	He	94843.17	2.0	101.7	60	125	
Ge (IS)	74	H2	413198.88	0.5	107.8	60	125	
Ge (IS)	74	He	56142.54	0.8	108.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126466.13	0.9	99.0	60	125	
Tb (IS)	159	He	617037.50	0.1	99.0	60	125	
Bi (IS)	209	He	410538.45	1.1	95.5	60	125	

Sample Report

File Name 094SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:21:38

Sample Name **460-303841-g-1-h@10**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	3.774	ug/l	5.7	2000	
Na	23	45	He	140344.621	ug/l	0.6	500000	
Mg	24	45	He	667.425	ug/l	0.2	500000	
Al	27	45	He	7.801	ug/l	100.8	500000	
K	39	45	He	325.270	ug/l	3.0	500000	
Ca	40	45	H2	67856.366	ug/l	2.4	1000000	
Ti	47	45	No Gas	1.502	ug/l	5.6	10000	
V	51	45	He	-0.221	ug/l	N/A	5000	
Cr	52	45	He	0.114	ug/l	111.9	20000	
Mn	55	45	He	114.268	ug/l	0.6	20000	
Fe	56	45	H2	3.840	ug/l	1.9	500000	
Co	59	45	He	0.837	ug/l	1.5	2000	
Ni	60	45	He	1.203	ug/l	8.3	20000	
Cu	63	45	He	-0.012	ug/l	N/A	20000	
Zn	66	45	He	3.296	ug/l	24.2	20000	
As	75	74	He	-0.063	ug/l	N/A	5000	
Se	78	74	H2	0.021	ug/l	95.4	3000	
Sr	88	115	He	89.789	ug/l	1.1	5000	
Mo	95	115	He	0.089	ug/l	50.1	2000	
Ag	107	115	He	0.002	ug/l	170.4	1000	
Cd	111	115	He	0.038	ug/l	125.9	5000	
Sn	118	115	He	0.149	ug/l	46.8	2000	
Sb	121	115	He	0.007	ug/l	523.4	1000	
Ba	137	159	He	14.864	ug/l	4.5	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	0.169	ug/l	10.8		
[Pb]	207	209	He	0.179	ug/l	24.2		
Pb	208	209	He	0.175	ug/l	15.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6271642.48	0.1	92.4	60	125	
Sc (ISICPMS)	45	No Gas	7700294.61	1.0	103.1	60	125	
Sc (ISICPMS)	45	H2	2205191.11	0.2	106.2	60	125	
Sc (ISICPMS)	45	He	93259.21	0.4	100.0	60	125	
Ge (IS)	74	H2	406750.11	0.9	106.1	60	125	
Ge (IS)	74	He	55348.26	1.2	106.8	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126507.19	0.2	99.0	60	125	
Tb (IS)	159	He	613381.36	0.0	98.5	60	125	
Bi (IS)	209	He	407247.31	0.6	94.7	60	125	

Sample Report

File Name 095SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:24:03

Sample Name **460-303791-b-1-h@10**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.059	ug/l	15.6	2000	
B	11	6	No Gas	8.602	ug/l	1.3	2000	
Na	23	45	He	139717.706	ug/l	0.8	500000	
Mg	24	45	He	367.999	ug/l	1.8	500000	
Al	27	45	He	909.909	ug/l	1.6	500000	
K	39	45	He	161.423	ug/l	6.9	500000	
Ca	40	45	H2	1488.700	ug/l	0.7	1000000	
Ti	47	45	No Gas	1.578	ug/l	4.7	10000	
V	51	45	He	-0.437	ug/l	N/A	5000	
Cr	52	45	He	0.410	ug/l	42.1	20000	
Mn	55	45	He	30.133	ug/l	4.9	20000	
Fe	56	45	H2	7.626	ug/l	3.1	500000	
Co	59	45	He	0.332	ug/l	5.8	2000	
Ni	60	45	He	3.191	ug/l	3.9	20000	
Cu	63	45	He	2.189	ug/l	5.1	20000	
Zn	66	45	He	17.651	ug/l	2.5	20000	
As	75	74	He	-0.010	ug/l	N/A	5000	
Se	78	74	H2	0.147	ug/l	49.4	3000	
Sr	88	115	He	14.235	ug/l	2.0	5000	
Mo	95	115	He	0.025	ug/l	82.1	2000	
Ag	107	115	He	0.003	ug/l	112.9	1000	
Cd	111	115	He	0.032	ug/l	103.7	5000	
Sn	118	115	He	0.143	ug/l	78.1	2000	
Sb	121	115	He	0.072	ug/l	76.4	1000	
Ba	137	159	He	8.934	ug/l	4.9	20000	
Tl	205	209	He	0.013	ug/l	99.3	1000	
[Pb]	206	209	He	2.502	ug/l	0.7		
[Pb]	207	209	He	2.505	ug/l	6.9		
Pb	208	209	He	2.484	ug/l	2.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6374212.68	1.1	93.9	60	125	
Sc (ISICPMS)	45	No Gas	7688154.75	1.0	102.9	60	125	
Sc (ISICPMS)	45	H2	2210690.37	1.4	106.5	60	125	
Sc (ISICPMS)	45	He	93476.21	0.4	100.2	60	125	
Ge (IS)	74	H2	410136.61	1.7	107.0	60	125	
Ge (IS)	74	He	54631.57	1.7	105.4	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125165.44	0.6	98.0	60	125	
Tb (IS)	159	He	610842.06	0.7	98.0	60	125	
Bi (IS)	209	He	411377.27	0.6	95.7	60	125	

Sample Report

File Name 096SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:26:30

Sample Name **460-303818-h-1-h@10**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	51.3	2000	
B	11	6	No Gas	9.832	ug/l	2.5	2000	
Na	23	45	He	17131.097	ug/l	1.7	500000	
Mg	24	45	He	2812.957	ug/l	1.5	500000	
Al	27	45	He	82.769	ug/l	3.7	500000	
K	39	45	He	708.043	ug/l	1.6	500000	
Ca	40	45	H2	10144.208	ug/l	0.5	1000000	
Ti	47	45	No Gas	3.348	ug/l	10.1	10000	
V	51	45	He	0.269	ug/l	23.7	5000	
Cr	52	45	He	0.116	ug/l	246.3	20000	
Mn	55	45	He	50.469	ug/l	1.2	20000	
Fe	56	45	H2	75.402	ug/l	10.0	500000	
Co	59	45	He	0.229	ug/l	8.5	2000	
Ni	60	45	He	0.043	ug/l	390.5	20000	
Cu	63	45	He	0.154	ug/l	55.4	20000	
Zn	66	45	He	-0.922	ug/l	N/A	20000	
As	75	74	He	-0.031	ug/l	N/A	5000	
Se	78	74	H2	0.108	ug/l	107.6	3000	
Sr	88	115	He	102.930	ug/l	0.9	5000	
Mo	95	115	He	1.809	ug/l	12.1	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.211	ug/l	97.4	2000	
Sb	121	115	He	0.010	ug/l	166.2	1000	
Ba	137	159	He	15.391	ug/l	3.7	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	0.065	ug/l	42.7		
[Pb]	207	209	He	0.090	ug/l	7.0		
Pb	208	209	He	0.082	ug/l	17.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6403255.05	1.6	94.3	60	125	
Sc (ISICPMS)	45	No Gas	7783175.51	1.1	104.2	60	125	
Sc (ISICPMS)	45	H2	2199955.75	0.6	105.9	60	125	
Sc (ISICPMS)	45	He	94455.13	1.0	101.2	60	125	
Ge (IS)	74	H2	418992.75	0.8	109.3	60	125	
Ge (IS)	74	He	56232.93	0.4	108.5	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129588.29	0.6	101.4	60	125	
Tb (IS)	159	He	620734.43	0.6	99.6	60	125	
Bi (IS)	209	He	422572.14	0.4	98.3	60	125	

Sample Report

File Name 097SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:28:56

Sample Name **460-303650-c-1-d@10**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	73.9	2000	
B	11	6	No Gas	4.120	ug/l	2.3	2000	
Na	23	45	He	135923.258	ug/l	0.4	500000	
Mg	24	45	He	52.043	ug/l	4.7	500000	
Al	27	45	He	3.191	ug/l	45.0	500000	
K	39	45	He	121.080	ug/l	10.4	500000	
Ca	40	45	H2	434.104	ug/l	0.8	1000000	
Ti	47	45	No Gas	1.348	ug/l	9.7	10000	
V	51	45	He	-0.420	ug/l	N/A	5000	
Cr	52	45	He	0.147	ug/l	104.9	20000	
Mn	55	45	He	1.643	ug/l	6.4	20000	
Fe	56	45	H2	5.300	ug/l	5.9	500000	
Co	59	45	He	0.029	ug/l	93.2	2000	
Ni	60	45	He	0.498	ug/l	26.3	20000	
Cu	63	45	He	0.554	ug/l	13.2	20000	
Zn	66	45	He	2.042	ug/l	8.5	20000	
As	75	74	He	-0.062	ug/l	N/A	5000	
Se	78	74	H2	0.021	ug/l	250.9	3000	
Sr	88	115	He	2.118	ug/l	6.0	5000	
Mo	95	115	He	0.027	ug/l	123.6	2000	
Ag	107	115	He	0.001	ug/l	303.1	1000	
Cd	111	115	He	0.019	ug/l	58.7	5000	
Sn	118	115	He	0.234	ug/l	46.4	2000	
Sb	121	115	He	0.037	ug/l	62.8	1000	
Ba	137	159	He	1.751	ug/l	15.4	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.749	ug/l	6.7		
[Pb]	207	209	He	0.666	ug/l	6.5		
Pb	208	209	He	0.711	ug/l	2.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6268515.39	0.6	92.4	60	125	
Sc (ISICPMS)	45	No Gas	7728057.52	0.1	103.4	60	125	
Sc (ISICPMS)	45	H2	2178107.78	0.9	104.9	60	125	
Sc (ISICPMS)	45	He	94776.98	0.1	101.6	60	125	
Ge (IS)	74	H2	407617.58	0.7	106.3	60	125	
Ge (IS)	74	He	55053.53	0.2	106.2	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126135.57	0.7	98.7	60	125	
Tb (IS)	159	He	613482.51	0.9	98.5	60	125	
Bi (IS)	209	He	412342.45	0.4	95.9	60	125	

Sample Report

File Name 098SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:31:23

Sample Name **460-303870-m-1-i@10**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	36.5	2000	
B	11	6	No Gas	5.872	ug/l	3.8	2000	
Na	23	45	He	134683.338	ug/l	0.6	500000	
Mg	24	45	He	1093.521	ug/l	1.1	500000	
Al	27	45	He	19.380	ug/l	83.4	500000	
K	39	45	He	450.144	ug/l	3.0	500000	
Ca	40	45	H2	55567.109	ug/l	1.8	1000000	
Ti	47	45	No Gas	1.672	ug/l	6.8	10000	
V	51	45	He	-0.383	ug/l	N/A	5000	
Cr	52	45	He	0.365	ug/l	33.3	20000	
Mn	55	45	He	242.186	ug/l	0.7	20000	
Fe	56	45	H2	14.776	ug/l	13.2	500000	
Co	59	45	He	3.024	ug/l	0.1	2000	
Ni	60	45	He	8.690	ug/l	2.7	20000	
Cu	63	45	He	0.440	ug/l	17.6	20000	
Zn	66	45	He	7.111	ug/l	20.2	20000	
As	75	74	He	0.145	ug/l	75.0	5000	
Se	78	74	H2	0.067	ug/l	136.1	3000	
Sr	88	115	He	102.388	ug/l	0.3	5000	
Mo	95	115	He	0.300	ug/l	23.6	2000	
Ag	107	115	He	0.001	ug/l	220.0	1000	
Cd	111	115	He	0.193	ug/l	48.8	5000	
Sn	118	115	He	0.134	ug/l	94.1	2000	
Sb	121	115	He	0.065	ug/l	53.0	1000	
Ba	137	159	He	48.969	ug/l	1.2	20000	
Tl	205	209	He	-0.007	ug/l	N/A	1000	
[Pb]	206	209	He	1.450	ug/l	3.4		
[Pb]	207	209	He	1.345	ug/l	8.0		
Pb	208	209	He	1.383	ug/l	3.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6268645.60	0.5	92.4	60	125	
Sc (ISICPMS)	45	No Gas	7712585.58	0.9	103.2	60	125	
Sc (ISICPMS)	45	H2	2204792.07	1.0	106.2	60	125	
Sc (ISICPMS)	45	He	93553.05	0.4	100.3	60	125	
Ge (IS)	74	H2	407306.40	0.4	106.2	60	125	
Ge (IS)	74	He	55097.15	0.2	106.3	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125400.08	0.5	98.2	60	125	
Tb (IS)	159	He	612578.39	0.4	98.3	60	125	
Bi (IS)	209	He	408676.39	0.9	95.1	60	125	

Sample Report

File Name 099SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:33:48

Sample Name **460-303909-a-1-c@10**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	55.1	2000	
B	11	6	No Gas	7.670	ug/l	3.4	2000	
Na	23	45	He	4532.184	ug/l	0.4	500000	
Mg	24	45	He	3185.446	ug/l	0.3	500000	
Al	27	45	He	1.275	ug/l	96.8	500000	
K	39	45	He	4677.875	ug/l	1.3	500000	
Ca	40	45	H2	16781.533	ug/l	1.1	1000000	
Ti	47	45	No Gas	0.678	ug/l	11.9	10000	
V	51	45	He	-0.367	ug/l	N/A	5000	
Cr	52	45	He	-0.143	ug/l	N/A	20000	
Mn	55	45	He	116.583	ug/l	0.6	20000	
Fe	56	45	H2	5.284	ug/l	7.5	500000	
Co	59	45	He	0.004	ug/l	184.6	2000	
Ni	60	45	He	0.096	ug/l	178.4	20000	
Cu	63	45	He	-0.039	ug/l	N/A	20000	
Zn	66	45	He	-1.359	ug/l	N/A	20000	
As	75	74	He	-0.062	ug/l	N/A	5000	
Se	78	74	H2	0.056	ug/l	142.7	3000	
Sr	88	115	He	63.254	ug/l	0.9	5000	
Mo	95	115	He	0.837	ug/l	14.9	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.013	ug/l	151.7	5000	
Sn	118	115	He	0.253	ug/l	90.0	2000	
Sb	121	115	He	0.011	ug/l	164.7	1000	
Ba	137	159	He	31.335	ug/l	2.4	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.023	ug/l	77.3		
[Pb]	207	209	He	0.052	ug/l	45.9		
Pb	208	209	He	0.026	ug/l	69.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6445162.61	1.4	95.0	60	125	
Sc (ISICPMS)	45	No Gas	7792877.17	0.9	104.3	60	125	
Sc (ISICPMS)	45	H2	2195797.26	0.2	105.7	60	125	
Sc (ISICPMS)	45	He	94727.86	0.2	101.5	60	125	
Ge (IS)	74	H2	403953.30	0.4	105.4	60	125	
Ge (IS)	74	He	54751.90	2.1	105.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129145.79	0.9	101.1	60	125	
Tb (IS)	159	He	623123.74	0.1	100.0	60	125	
Bi (IS)	209	He	426758.92	0.1	99.3	60	125	

Sample Report

File Name 100SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:36:15

Sample Name **460-303871-m-2-f@10**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.025	ug/l	17.0	2000	
B	11	6	No Gas	6.071	ug/l	1.2	2000	
Na	23	45	He	138164.634	ug/l	1.1	500000	
Mg	24	45	He	1078.712	ug/l	0.7	500000	
Al	27	45	He	25.076	ug/l	22.2	500000	
K	39	45	He	474.318	ug/l	2.4	500000	
Ca	40	45	H2	16924.792	ug/l	0.7	1000000	
Ti	47	45	No Gas	1.775	ug/l	3.9	10000	
V	51	45	He	-0.257	ug/l	N/A	5000	
Cr	52	45	He	0.142	ug/l	82.8	20000	
Mn	55	45	He	102.103	ug/l	2.0	20000	
Fe	56	45	H2	13.911	ug/l	5.1	500000	
Co	59	45	He	1.114	ug/l	9.5	2000	
Ni	60	45	He	52.286	ug/l	2.1	20000	
Cu	63	45	He	1.052	ug/l	1.7	20000	
Zn	66	45	He	28.919	ug/l	0.9	20000	
As	75	74	He	0.111	ug/l	138.5	5000	
Se	78	74	H2	0.101	ug/l	89.9	3000	
Sr	88	115	He	57.816	ug/l	1.2	5000	
Mo	95	115	He	0.607	ug/l	16.5	2000	
Ag	107	115	He	0.000	ug/l	15499.9	1000	
Cd	111	115	He	0.122	ug/l	56.0	5000	
Sn	118	115	He	0.114	ug/l	64.4	2000	
Sb	121	115	He	0.034	ug/l	134.4	1000	
Ba	137	159	He	33.442	ug/l	4.8	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	2.393	ug/l	3.6		
[Pb]	207	209	He	2.305	ug/l	5.9		
Pb	208	209	He	2.330	ug/l	2.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6383016.09	1.1	94.0	60	125	
Sc (ISICPMS)	45	No Gas	7611913.43	0.5	101.9	60	125	
Sc (ISICPMS)	45	H2	2188085.35	0.9	105.4	60	125	
Sc (ISICPMS)	45	He	93737.01	1.6	100.5	60	125	
Ge (IS)	74	H2	407399.24	0.2	106.3	60	125	
Ge (IS)	74	He	54875.79	1.0	105.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126252.83	1.0	98.8	60	125	
Tb (IS)	159	He	615538.82	0.2	98.8	60	125	
Bi (IS)	209	He	412498.84	0.7	96.0	60	125	

Sample Report

File Name 101SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:38:41

Sample Name **460-303871-m-3-f@10**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	31.4	2000	
B	11	6	No Gas	4.077	ug/l	2.4	2000	
Na	23	45	He	141463.315	ug/l	0.9	500000	
Mg	24	45	He	1827.101	ug/l	1.2	500000	
Al	27	45	He	34.836	ug/l	15.9	500000	
K	39	45	He	426.361	ug/l	2.8	500000	
Ca	40	45	H2	36574.187	ug/l	0.3	1000000	
Ti	47	45	No Gas	5.667	ug/l	87.0	10000	
V	51	45	He	-0.178	ug/l	N/A	5000	
Cr	52	45	He	0.001	ug/l	8967.9	20000	
Mn	55	45	He	95.832	ug/l	1.5	20000	
Fe	56	45	H2	41.586	ug/l	16.3	500000	
Co	59	45	He	0.410	ug/l	2.4	2000	
Ni	60	45	He	5.850	ug/l	7.1	20000	
Cu	63	45	He	0.900	ug/l	11.1	20000	
Zn	66	45	He	30.207	ug/l	4.0	20000	
As	75	74	He	0.116	ug/l	45.3	5000	
Se	78	74	H2	0.103	ug/l	59.2	3000	
Sr	88	115	He	71.828	ug/l	1.7	5000	
Mo	95	115	He	0.058	ug/l	39.8	2000	
Ag	107	115	He	0.003	ug/l	109.5	1000	
Cd	111	115	He	0.142	ug/l	41.6	5000	
Sn	118	115	He	0.190	ug/l	91.0	2000	
Sb	121	115	He	0.038	ug/l	9.7	1000	
Ba	137	159	He	58.259	ug/l	3.9	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	1.060	ug/l	3.0		
[Pb]	207	209	He	1.102	ug/l	4.3		
Pb	208	209	He	1.082	ug/l	1.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6369056.29	0.4	93.8	60	125	
Sc (ISICPMS)	45	No Gas	7672223.15	0.9	102.7	60	125	
Sc (ISICPMS)	45	H2	2186380.23	0.4	105.3	60	125	
Sc (ISICPMS)	45	He	93812.74	0.5	100.6	60	125	
Ge (IS)	74	H2	404704.47	0.8	105.6	60	125	
Ge (IS)	74	He	54048.53	0.4	104.3	60	125	
Kr	83	He	10.01	100.0	300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125090.37	1.3	97.9	60	125	
Tb (IS)	159	He	612043.77	0.2	98.2	60	125	
Bi (IS)	209	He	410969.72	0.3	95.6	60	125	

Continuing Calibration Verification (CCV)

File Name 102_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:41:08

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.102	ug/l	2.7	100	90	110	
B	11	6	No Gas	248.440	ug/l	0.7	250	225	275	
Na	23	45	He	25551.203	ug/l	1.1	25000	22500	27500	
Mg	24	45	He	25318.634	ug/l	0.9	25000	22500	27500	
Al	27	45	He	24339.152	ug/l	0.8	25000	22500	27500	
K	39	45	He	25155.468	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	24443.916	ug/l	1.7	25000	22500	27500	
Ti	47	45	No Gas	96.526	ug/l	0.5	100	90	110	
V	51	45	He	99.360	ug/l	2.2	100	90	110	
Cr	52	45	He	100.321	ug/l	0.5	100	90	110	
Mn	55	45	He	99.894	ug/l	2.7	100	90	110	
Fe	56	45	H2	25162.363	ug/l	1.8	25000	22500	27500	
Co	59	45	He	101.645	ug/l	1.1	100	90	110	
Ni	60	45	He	101.075	ug/l	1.3	100	90	110	
Cu	63	45	He	100.452	ug/l	1.8	100	90	110	
Zn	66	45	He	248.946	ug/l	0.9	250	225	275	
As	75	74	He	97.223	ug/l	1.6	100	90	110	
Se	78	74	H2	97.866	ug/l	4.8	100	90	110	
Sr	88	115	He	98.999	ug/l	0.7	100	90	110	
Mo	95	115	He	102.877	ug/l	0.7	100	90	110	
Ag	107	115	He	50.533	ug/l	0.8	50	45	55	
Cd	111	115	He	101.419	ug/l	1.1	100	90	110	
Sn	118	115	He	101.226	ug/l	2.1	100	90	110	
Sb	121	115	He	101.866	ug/l	1.6	100	90	110	
Ba	137	159	He	99.682	ug/l	1.1	100	90	110	
Tl	205	209	He	99.035	ug/l	0.5	100	90	110	
[Pb]	206	209	He	100.471	ug/l	1.6				
[Pb]	207	209	He	99.122	ug/l	0.3				
Pb	208	209	He	99.407	ug/l	0.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6514855.32	1.1	96.0	60	125	
Sc (ISICPMS)	45	No Gas	7770676.97	0.7	104.0	60	125	
Sc (ISICPMS)	45	H2	2217581.81	0.6	106.8	60	125	
Sc (ISICPMS)	45	He	94028.95	1.4	100.8	60	125	
Ge (IS)	74	H2	417483.58	0.2	108.9	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	56574.85	0.5	109.2	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	127935.45	0.7	100.1	60	125	
Tb (IS)	159	He	627066.09	0.5	100.7	60	125	
Bi (IS)	209	He	421105.64	0.3	98.0	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 103_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:43:34

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.013	ug/l	57.7	0.8	-0.8	0.8	
B	11	6	No Gas	2.021	ug/l	3.7	40	-40	40	
Na	23	45	He	31.254	ug/l	7.8	500	-500	500	
Mg	24	45	He	1.400	ug/l	68.3	200	-200	200	
Al	27	45	He	3.407	ug/l	92.4	40	-40	40	
K	39	45	He	33.566	ug/l	22.4	200	-200	200	
Ca	40	45	H2	-0.124	ug/l	N/A	500	-500	500	
Ti	47	45	No Gas	0.393	ug/l	15.6	4	-4	4	
V	51	45	He	-0.432	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.016	ug/l	822.4	4	-4	4	
Mn	55	45	He	0.049	ug/l	120.1	8	-8	8	
Fe	56	45	H2	1.945	ug/l	6.5	60	-60	60	
Co	59	45	He	0.010	ug/l	144.6	4	-4	4	
Ni	60	45	He	-0.028	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.119	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.965	ug/l	N/A	16	-16	16	
As	75	74	He	-0.062	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.045	ug/l	44.1	2.5	-2.5	2.5	
Sr	88	115	He	-0.068	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.031	ug/l	47.8	4	-4	4	
Ag	107	115	He	0.006	ug/l	16.7	2	-2	2	
Cd	111	115	He	0.012	ug/l	151.6	2	-2	2	
Sn	118	115	He	0.109	ug/l	121.3	16	-16	16	
Sb	121	115	He	0.010	ug/l	170.8	2	-2	2	
Ba	137	159	He	0.335	ug/l	29.1	4	-4	4	
Tl	205	209	He	0.003	ug/l	79.3	0.8	-0.8	0.8	
[Pb]	206	209	He	0.015	ug/l	195.0				
[Pb]	207	209	He	0.019	ug/l	187.6				
Pb	208	209	He	0.027	ug/l	51.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6526854.70	1.1	96.2	60	125	
Sc (ISICPMS)	45	No Gas	7725869.05	1.1	103.4	60	125	
Sc (ISICPMS)	45	H2	2218044.32	1.1	106.8	60	125	
Sc (ISICPMS)	45	He	93774.70	0.4	100.5	60	125	
Ge (IS)	74	H2	401223.27	0.5	104.7	60	125	
Ge (IS)	74	He	54624.74	2.0	105.4	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	129716.18	0.4	101.5	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	623278.11	0.8	100.0	60	125	
Bi (IS)	209	He	432435.77	0.8	100.6	60	125	

Sample Report

File Name 104SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:46:01

Sample Name **460-303871-m-4-h@10**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	186.3	2000	
B	11	6	No Gas	4.699	ug/l	5.6	2000	
Na	23	45	He	145828.757	ug/l	0.3	500000	
Mg	24	45	He	939.378	ug/l	0.9	500000	
Al	27	45	He	4.868	ug/l	29.4	500000	
K	39	45	He	437.110	ug/l	4.5	500000	
Ca	40	45	H2	71502.056	ug/l	1.9	1000000	
Ti	47	45	No Gas	1.600	ug/l	2.1	10000	
V	51	45	He	-0.397	ug/l	N/A	5000	
Cr	52	45	He	0.109	ug/l	227.9	20000	
Mn	55	45	He	4.285	ug/l	3.2	20000	
Fe	56	45	H2	3.576	ug/l	9.5	500000	
Co	59	45	He	0.082	ug/l	52.5	2000	
Ni	60	45	He	3.891	ug/l	3.8	20000	
Cu	63	45	He	0.126	ug/l	31.9	20000	
Zn	66	45	He	-0.100	ug/l	N/A	20000	
As	75	74	He	0.027	ug/l	209.2	5000	
Se	78	74	H2	0.055	ug/l	130.5	3000	
Sr	88	115	He	129.733	ug/l	0.7	5000	
Mo	95	115	He	0.085	ug/l	21.5	2000	
Ag	107	115	He	0.003	ug/l	155.2	1000	
Cd	111	115	He	0.032	ug/l	60.8	5000	
Sn	118	115	He	0.172	ug/l	55.7	2000	
Sb	121	115	He	0.001	ug/l	406.4	1000	
Ba	137	159	He	61.185	ug/l	0.8	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	0.369	ug/l	7.4		
[Pb]	207	209	He	0.327	ug/l	11.9		
Pb	208	209	He	0.344	ug/l	3.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6371385.67	1.0	93.9	60	125	
Sc (ISICPMS)	45	No Gas	7623545.44	0.6	102.0	60	125	
Sc (ISICPMS)	45	H2	2199982.40	1.8	105.9	60	125	
Sc (ISICPMS)	45	He	92596.74	0.8	99.2	60	125	
Ge (IS)	74	H2	408298.06	1.7	106.5	60	125	
Ge (IS)	74	He	54071.95	2.0	104.3	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126303.42	1.2	98.9	60	125	
Tb (IS)	159	He	616623.16	0.7	99.0	60	125	
Bi (IS)	209	He	412870.74	0.4	96.0	60	125	

Sample Report

File Name 105SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:48:27

Sample Name **lb 460-975050/1-h@10**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	1498.1	2000	
B	11	6	No Gas	1.054	ug/l	5.9	2000	
Na	23	45	He	134418.078	ug/l	0.4	500000	
Mg	24	45	He	0.239	ug/l	142.7	500000	
Al	27	45	He	2.176	ug/l	59.8	500000	
K	39	45	He	67.849	ug/l	5.5	500000	
Ca	40	45	H2	5.033	ug/l	4.5	1000000	
Ti	47	45	No Gas	1.579	ug/l	6.0	10000	
V	51	45	He	-0.429	ug/l	N/A	5000	
Cr	52	45	He	0.134	ug/l	152.8	20000	
Mn	55	45	He	0.047	ug/l	31.6	20000	
Fe	56	45	H2	1.821	ug/l	5.1	500000	
Co	59	45	He	0.005	ug/l	319.2	2000	
Ni	60	45	He	0.263	ug/l	26.8	20000	
Cu	63	45	He	-0.117	ug/l	N/A	20000	
Zn	66	45	He	-0.929	ug/l	N/A	20000	
As	75	74	He	-0.010	ug/l	N/A	5000	
Se	78	74	H2	0.115	ug/l	63.4	3000	
Sr	88	115	He	-0.043	ug/l	N/A	5000	
Mo	95	115	He	0.037	ug/l	37.6	2000	
Ag	107	115	He	0.003	ug/l	180.6	1000	
Cd	111	115	He	0.000	ug/l	43446.6	5000	
Sn	118	115	He	0.072	ug/l	133.7	2000	
Sb	121	115	He	0.011	ug/l	313.9	1000	
Ba	137	159	He	0.415	ug/l	20.5	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.022	ug/l	50.3		
[Pb]	207	209	He	0.045	ug/l	10.1		
Pb	208	209	He	0.036	ug/l	18.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6445267.13	0.0	95.0	60	125	
Sc (ISICPMS)	45	No Gas	7562425.17	1.1	101.2	60	125	
Sc (ISICPMS)	45	H2	2170617.94	0.4	104.5	60	125	
Sc (ISICPMS)	45	He	93226.83	0.0	99.9	60	125	
Ge (IS)	74	H2	402399.53	0.8	105.0	60	125	
Ge (IS)	74	He	54741.81	1.2	105.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125167.10	0.8	98.0	60	125	
Tb (IS)	159	He	610306.71	0.2	98.0	60	125	
Bi (IS)	209	He	412191.86	0.1	95.9	60	125	

Sample Report

File Name 106SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:50:54

Sample Name **lb 460-974423/1-h@10**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	176.8	2000	
B	11	6	No Gas	0.739	ug/l	13.1	2000	
Na	23	45	He	139322.281	ug/l	0.7	500000	
Mg	24	45	He	4.885	ug/l	6.5	500000	
Al	27	45	He	10.260	ug/l	27.2	500000	
K	39	45	He	64.579	ug/l	11.3	500000	
Ca	40	45	H2	7.032	ug/l	30.0	1000000	
Ti	47	45	No Gas	1.638	ug/l	6.1	10000	
V	51	45	He	-0.368	ug/l	N/A	5000	
Cr	52	45	He	0.000	ug/l	N/A	20000	
Mn	55	45	He	0.215	ug/l	37.4	20000	
Fe	56	45	H2	6.357	ug/l	35.1	500000	
Co	59	45	He	0.025	ug/l	41.7	2000	
Ni	60	45	He	0.271	ug/l	31.5	20000	
Cu	63	45	He	-0.126	ug/l	N/A	20000	
Zn	66	45	He	-0.700	ug/l	N/A	20000	
As	75	74	He	-0.044	ug/l	N/A	5000	
Se	78	74	H2	0.057	ug/l	33.6	3000	
Sr	88	115	He	0.000	ug/l	9325.8	5000	
Mo	95	115	He	0.086	ug/l	73.2	2000	
Ag	107	115	He	0.004	ug/l	97.9	1000	
Cd	111	115	He	0.020	ug/l	152.3	5000	
Sn	118	115	He	0.209	ug/l	55.8	2000	
Sb	121	115	He	0.002	ug/l	2581.4	1000	
Ba	137	159	He	0.338	ug/l	12.7	20000	
Tl	205	209	He	0.018	ug/l	41.7	1000	
[Pb]	206	209	He	0.079	ug/l	44.4		
[Pb]	207	209	He	0.075	ug/l	46.6		
Pb	208	209	He	0.073	ug/l	27.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6523575.81	1.3	96.1	60	125	
Sc (ISICPMS)	45	No Gas	7568696.00	0.7	101.3	60	125	
Sc (ISICPMS)	45	H2	2157626.98	1.1	103.9	60	125	
Sc (ISICPMS)	45	He	93537.70	0.2	100.3	60	125	
Ge (IS)	74	H2	401341.89	1.5	104.7	60	125	
Ge (IS)	74	He	54300.11	1.6	104.8	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125044.75	0.3	97.9	60	125	
Tb (IS)	159	He	612709.58	0.2	98.3	60	125	
Bi (IS)	209	He	412423.98	0.6	95.9	60	125	

Sample Report

File Name 107SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:53:20

Sample Name **lb 460-975056/1-g@10**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	0.479	ug/l	4.9	2000	
Na	23	45	He	51.288	ug/l	4.1	500000	
Mg	24	45	He	0.511	ug/l	184.8	500000	
Al	27	45	He	1.569	ug/l	124.2	500000	
K	39	45	He	183.027	ug/l	5.0	500000	
Ca	40	45	H2	10.638	ug/l	7.2	1000000	
Ti	47	45	No Gas	0.735	ug/l	10.4	10000	
V	51	45	He	-0.452	ug/l	N/A	5000	
Cr	52	45	He	0.089	ug/l	92.0	20000	
Mn	55	45	He	-0.011	ug/l	N/A	20000	
Fe	56	45	H2	0.810	ug/l	17.7	500000	
Co	59	45	He	0.002	ug/l	449.5	2000	
Ni	60	45	He	-0.057	ug/l	N/A	20000	
Cu	63	45	He	-0.132	ug/l	N/A	20000	
Zn	66	45	He	-0.928	ug/l	N/A	20000	
As	75	74	He	-0.096	ug/l	N/A	5000	
Se	78	74	H2	0.068	ug/l	136.1	3000	
Sr	88	115	He	-0.021	ug/l	N/A	5000	
Mo	95	115	He	0.002	ug/l	1093.6	2000	
Ag	107	115	He	0.004	ug/l	51.5	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.081	ug/l	157.6	2000	
Sb	121	115	He	-0.021	ug/l	N/A	1000	
Ba	137	159	He	0.432	ug/l	10.6	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.024	ug/l	16.1		
[Pb]	207	209	He	0.034	ug/l	71.8		
Pb	208	209	He	0.027	ug/l	16.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6618525.39	0.8	97.5	60	125	
Sc (ISICPMS)	45	No Gas	7690294.19	1.0	102.9	60	125	
Sc (ISICPMS)	45	H2	2196958.16	0.7	105.8	60	125	
Sc (ISICPMS)	45	He	92694.30	0.6	99.4	60	125	
Ge (IS)	74	H2	404711.91	0.7	105.6	60	125	
Ge (IS)	74	He	53823.90	2.1	103.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128769.59	1.1	100.8	60	125	
Tb (IS)	159	He	616967.03	0.9	99.0	60	125	
Bi (IS)	209	He	425197.24	0.7	98.9	60	125	

Sample Report

File Name 108SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:55:48

Sample Name **460-303781-a-25-a**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	289.1	2000	
B	11	6	No Gas	1.422	ug/l	4.5	2000	
Na	23	45	He	542.475	ug/l	1.3	500000	
Mg	24	45	He	17.346	ug/l	7.0	500000	
Al	27	45	He	5.768	ug/l	23.7	500000	
K	39	45	He	33.653	ug/l	31.0	500000	
Ca	40	45	H2	143.074	ug/l	0.6	1000000	
Ti	47	45	No Gas	-0.166	ug/l	N/A	10000	
V	51	45	He	-0.477	ug/l	N/A	5000	
Cr	52	45	He	-1.206	ug/l	N/A	20000	
Mn	55	45	He	0.300	ug/l	24.3	20000	
Fe	56	45	H2	1.947	ug/l	3.2	500000	
Co	59	45	He	0.000	ug/l	N/A	2000	
Ni	60	45	He	-0.299	ug/l	N/A	20000	
Cu	63	45	He	0.392	ug/l	13.0	20000	
Zn	66	45	He	-1.110	ug/l	N/A	20000	
As	75	74	He	-0.045	ug/l	N/A	5000	
Se	78	74	H2	0.066	ug/l	104.2	3000	
Sr	88	115	He	0.349	ug/l	39.0	5000	
Mo	95	115	He	0.031	ug/l	92.1	2000	
Ag	107	115	He	0.001	ug/l	754.2	1000	
Cd	111	115	He	0.006	ug/l	356.7	5000	
Sn	118	115	He	0.126	ug/l	37.6	2000	
Sb	121	115	He	0.029	ug/l	13.3	1000	
Ba	137	159	He	0.807	ug/l	10.2	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.041	ug/l	42.2		
[Pb]	207	209	He	0.024	ug/l	36.4		
Pb	208	209	He	0.037	ug/l	6.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6714654.34	0.8	98.9	60	125	
Sc (ISICPMS)	45	No Gas	7800350.44	1.4	104.4	60	125	
Sc (ISICPMS)	45	H2	2229806.29	1.5	107.4	60	125	
Sc (ISICPMS)	45	He	95441.82	0.2	102.3	60	125	
Ge (IS)	74	H2	412752.41	1.2	107.7	60	125	
Ge (IS)	74	He	55013.52	1.4	106.2	60	125	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131680.03	1.0	103.1	60	125	
Tb (IS)	159	He	627681.97	0.7	100.8	60	125	
Bi (IS)	209	He	434366.69	0.9	101.0	60	125	

Sample Report

File Name 109SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 14:58:14

Sample Name **460-303675-k-1-a**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.420	ug/l	3.7	2000	
B	11	6	No Gas	35.186	ug/l	1.3	2000	
Na	23	45	He	202421.463	ug/l	1.5	500000	
Mg	24	45	He	2584.414	ug/l	1.0	500000	
Al	27	45	He	39.498	ug/l	7.9	500000	
K	39	45	He	18174.658	ug/l	0.6	500000	
Ca	40	45	H2	12086.669	ug/l	1.6	1000000	
Ti	47	45	No Gas	10.336	ug/l	4.3	10000	
V	51	45	He	-0.109	ug/l	N/A	5000	
Cr	52	45	He	1.398	ug/l	6.8	20000	
Mn	55	45	He	12.482	ug/l	2.4	20000	
Fe	56	45	H2	248.868	ug/l	1.6	500000	
Co	59	45	He	1.070	ug/l	9.2	2000	
Ni	60	45	He	1.614	ug/l	14.6	20000	
Cu	63	45	He	148.165	ug/l	0.7	20000	
Zn	66	45	He	28.495	ug/l	4.5	20000	
As	75	74	He	1.128	ug/l	36.7	5000	
Se	78	74	H2	0.597	ug/l	22.5	3000	
Sr	88	115	He	68.424	ug/l	2.3	5000	
Mo	95	115	He	0.637	ug/l	21.9	2000	
Ag	107	115	He	0.127	ug/l	10.3	1000	
Cd	111	115	He	0.484	ug/l	18.7	5000	
Sn	118	115	He	0.622	ug/l	25.6	2000	
Sb	121	115	He	0.328	ug/l	17.5	1000	
Ba	137	159	He	56.947	ug/l	2.0	20000	
Tl	205	209	He	0.377	ug/l	0.3	1000	
[Pb]	206	209	He	2.543	ug/l	3.1		
[Pb]	207	209	He	2.508	ug/l	3.6		
Pb	208	209	He	2.489	ug/l	1.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6539778.30	2.1	96.4	60	125	
Sc (ISICPMS)	45	No Gas	7771958.91	1.9	104.0	60	125	
Sc (ISICPMS)	45	H2	2316126.23	0.9	111.5	60	125	
Sc (ISICPMS)	45	He	97648.98	1.4	104.7	60	125	
Ge (IS)	74	H2	443777.10	1.0	115.8	60	125	
Ge (IS)	74	He	58889.83	1.7	113.6	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133538.84	0.4	104.5	60	125	
Tb (IS)	159	He	642177.53	0.6	103.1	60	125	
Bi (IS)	209	He	432705.32	1.3	100.7	60	125	

Sample Report

File Name 110SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:00:42

Sample Name **460-303574-i-1-a**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	7.3	2000	
B	11	6	No Gas	108.472	ug/l	0.8	2000	
Na	23	45	He	718627.740	ug/l	1.0	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	29786.122	ug/l	1.4	500000	
Al	27	45	He	31.547	ug/l	14.8	500000	
K	39	45	He	93662.798	ug/l	0.3	500000	
Ca	40	45	H2	155473.318	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.391	ug/l	6.7	10000	
V	51	45	He	0.165	ug/l	40.8	5000	
Cr	52	45	He	-0.320	ug/l	N/A	20000	
Mn	55	45	He	21.694	ug/l	3.3	20000	
Fe	56	45	H2	925.273	ug/l	0.5	500000	
Co	59	45	He	0.887	ug/l	7.5	2000	
Ni	60	45	He	8.845	ug/l	4.2	20000	
Cu	63	45	He	2.515	ug/l	4.6	20000	
Zn	66	45	He	25.791	ug/l	6.6	20000	
As	75	74	He	1.034	ug/l	10.5	5000	
Se	78	74	H2	0.305	ug/l	0.3	3000	
Sr	88	115	He	2613.410	ug/l	0.7	5000	
Mo	95	115	He	2.382	ug/l	12.1	2000	
Ag	107	115	He	0.009	ug/l	61.3	1000	
Cd	111	115	He	0.064	ug/l	75.5	5000	
Sn	118	115	He	0.086	ug/l	167.0	2000	
Sb	121	115	He	0.870	ug/l	13.8	1000	
Ba	137	159	He	8.661	ug/l	4.7	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	0.185	ug/l	10.0		
[Pb]	207	209	He	0.203	ug/l	23.6		
Pb	208	209	He	0.203	ug/l	2.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6625432.82	0.9	97.6	60	125	
Sc (ISICPMS)	45	No Gas	7750150.44	0.7	103.7	60	125	
Sc (ISICPMS)	45	H2	2223903.47	1.0	107.1	60	125	
Sc (ISICPMS)	45	He	95471.65	0.5	102.3	60	125	
Ge (IS)	74	H2	412060.64	0.3	107.5	60	125	
Ge (IS)	74	He	56367.18	1.2	108.8	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126443.75	0.3	99.0	60	125	
Tb (IS)	159	He	625538.41	0.1	100.4	60	125	
Bi (IS)	209	He	408599.83	0.5	95.0	60	125	

Sample Report

File Name 111SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:03:09

Sample Name **460-303606-b-1-a**

Comment ---

Dilution **1.0000**

Vial # 3202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.260	ug/l	14.1	2000	
B	11	6	No Gas	94.155	ug/l	0.6	2000	
Na	23	45	He	224220.259	ug/l	1.1	500000	
Mg	24	45	He	8795.015	ug/l	1.2	500000	
Al	27	45	He	55.349	ug/l	5.7	500000	
K	39	45	He	21836.904	ug/l	0.8	500000	
Ca	40	45	H2	286281.813	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.800	ug/l	3.2	10000	
V	51	45	He	4.307	ug/l	5.2	5000	
Cr	52	45	He	4616.907	ug/l	0.6	20000	
Mn	55	45	He	175.893	ug/l	1.3	20000	
Fe	56	45	H2	427.405	ug/l	0.2	500000	
Co	59	45	He	1.815	ug/l	3.0	2000	
Ni	60	45	He	9.690	ug/l	3.5	20000	
Cu	63	45	He	4.092	ug/l	1.5	20000	
Zn	66	45	He	13.874	ug/l	4.9	20000	
As	75	74	He	3.254	ug/l	1.1	5000	
Se	78	74	H2	0.261	ug/l	55.8	3000	
Sr	88	115	He	1904.737	ug/l	0.1	5000	
Mo	95	115	He	2.784	ug/l	4.9	2000	
Ag	107	115	He	0.006	ug/l	35.9	1000	
Cd	111	115	He	0.240	ug/l	54.7	5000	
Sn	118	115	He	-0.081	ug/l	N/A	2000	
Sb	121	115	He	0.388	ug/l	26.3	1000	
Ba	137	159	He	247.414	ug/l	1.8	20000	
Tl	205	209	He	0.278	ug/l	6.3	1000	
[Pb]	206	209	He	1.931	ug/l	3.2		
[Pb]	207	209	He	1.874	ug/l	5.3		
Pb	208	209	He	1.947	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6757700.66	1.2	99.6	60	125	
Sc (ISICPMS)	45	No Gas	7904020.65	0.2	105.8	60	125	
Sc (ISICPMS)	45	H2	2268344.65	0.7	109.2	60	125	
Sc (ISICPMS)	45	He	96081.44	1.0	103.0	60	125	
Ge (IS)	74	H2	425619.72	1.2	111.0	60	125	
Ge (IS)	74	He	57670.48	1.0	111.3	60	125	
Kr	83	He	10.01	100.0	300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131171.61	0.5	102.7	60	125	
Tb (IS)	159	He	635506.90	0.2	102.0	60	125	
Bi (IS)	209	He	420229.48	0.4	97.8	60	125	

Sample Report

File Name 112SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:05:38

Sample Name **460-303606-b-1-b ms**

Comment ---

Dilution **1.0000**

Vial # 3203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.817	ug/l	1.3	2000	
B	11	6	No Gas	601.140	ug/l	0.2	2000	
Na	23	45	He	221913.273	ug/l	1.5	500000	
Mg	24	45	He	11130.038	ug/l	2.5	500000	
Al	27	45	He	2521.152	ug/l	2.2	500000	
K	39	45	He	24180.629	ug/l	1.7	500000	
Ca	40	45	H2	283928.894	ug/l	0.8	1000000	
Ti	47	45	No Gas	51.099	ug/l	0.7	10000	
V	51	45	He	55.174	ug/l	1.8	5000	
Cr	52	45	He	4664.076	ug/l	1.7	20000	
Mn	55	45	He	418.675	ug/l	1.4	20000	
Fe	56	45	H2	2993.962	ug/l	0.9	500000	
Co	59	45	He	26.965	ug/l	1.7	2000	
Ni	60	45	He	60.303	ug/l	1.0	20000	
Cu	63	45	He	53.090	ug/l	2.7	20000	
Zn	66	45	He	262.068	ug/l	2.5	20000	
As	75	74	He	53.611	ug/l	1.0	5000	
Se	78	74	H2	53.099	ug/l	0.7	3000	
Sr	88	115	He	1953.735	ug/l	1.2	5000	
Mo	95	115	He	54.366	ug/l	1.4	2000	
Ag	107	115	He	17.965	ug/l	0.7	1000	
Cd	111	115	He	25.190	ug/l	0.2	5000	
Sn	118	115	He	52.166	ug/l	1.6	2000	
Sb	121	115	He	25.920	ug/l	1.5	1000	
Ba	137	159	He	296.164	ug/l	0.6	20000	
Tl	205	209	He	20.103	ug/l	0.5	1000	
[Pb]	206	209	He	27.586	ug/l	0.9		
[Pb]	207	209	He	26.549	ug/l	1.4		
Pb	208	209	He	27.014	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6900286.77	0.9	101.7	60	125	
Sc (ISICPMS)	45	No Gas	8146445.23	1.3	109.0	60	125	
Sc (ISICPMS)	45	H2	2337175.85	0.3	112.5	60	125	
Sc (ISICPMS)	45	He	99748.51	1.4	106.9	60	125	
Ge (IS)	74	H2	439089.85	0.3	114.5	60	125	
Ge (IS)	74	He	59490.03	1.6	114.8	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134462.11	1.6	105.3	60	125	
Tb (IS)	159	He	655823.08	0.5	105.3	60	125	
Bi (IS)	209	He	432533.66	0.3	100.6	60	125	

Continuing Calibration Verification (CCV)

File Name 113_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:08:04

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.144	ug/l	2.1	100	90	110	
B	11	6	No Gas	256.017	ug/l	0.8	250	225	275	
Na	23	45	He	25528.575	ug/l	1.0	25000	22500	27500	
Mg	24	45	He	25164.390	ug/l	1.4	25000	22500	27500	
Al	27	45	He	24013.285	ug/l	1.3	25000	22500	27500	
K	39	45	He	25046.476	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	24568.398	ug/l	1.6	25000	22500	27500	
Ti	47	45	No Gas	96.715	ug/l	2.5	100	90	110	
V	51	45	He	98.915	ug/l	1.7	100	90	110	
Cr	52	45	He	99.244	ug/l	1.7	100	90	110	
Mn	55	45	He	97.402	ug/l	0.3	100	90	110	
Fe	56	45	H2	25305.529	ug/l	1.6	25000	22500	27500	
Co	59	45	He	100.800	ug/l	0.7	100	90	110	
Ni	60	45	He	100.225	ug/l	1.6	100	90	110	
Cu	63	45	He	99.145	ug/l	1.4	100	90	110	
Zn	66	45	He	246.549	ug/l	2.4	250	225	275	
As	75	74	He	100.236	ug/l	3.5	100	90	110	
Se	78	74	H2	101.164	ug/l	2.0	100	90	110	
Sr	88	115	He	97.403	ug/l	0.6	100	90	110	
Mo	95	115	He	99.453	ug/l	1.4	100	90	110	
Ag	107	115	He	50.374	ug/l	1.2	50	45	55	
Cd	111	115	He	100.534	ug/l	1.3	100	90	110	
Sn	118	115	He	99.895	ug/l	0.9	100	90	110	
Sb	121	115	He	99.811	ug/l	0.4	100	90	110	
Ba	137	159	He	101.760	ug/l	3.1	100	90	110	
Tl	205	209	He	99.466	ug/l	0.9	100	90	110	
[Pb]	206	209	He	99.683	ug/l	0.5				
[Pb]	207	209	He	99.331	ug/l	1.2				
Pb	208	209	He	99.406	ug/l	0.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6798640.39	0.9	100.2	60	125	
Sc (ISICPMS)	45	No Gas	8180335.92	1.2	109.5	60	125	
Sc (ISICPMS)	45	H2	2321729.41	1.7	111.8	60	125	
Sc (ISICPMS)	45	He	99804.09	1.3	107.0	60	125	
Ge (IS)	74	H2	441543.79	1.4	115.2	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	58591.81	1.4	113.1	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	136420.56	0.2	106.8	60	125	
Tb (IS)	159	He	653324.24	1.1	104.9	60	125	
Bi (IS)	209	He	441663.48	0.4	102.7	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 114_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:10:32

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.010	ug/l	22.1	0.8	-0.8	0.8	
B	11	6	No Gas	3.842	ug/l	5.9	40	-40	40	
Na	23	45	He	46.902	ug/l	14.6	500	-500	500	
Mg	24	45	He	0.740	ug/l	107.0	200	-200	200	
Al	27	45	He	2.367	ug/l	44.4	40	-40	40	
K	39	45	He	28.322	ug/l	9.4	200	-200	200	
Ca	40	45	H2	2.904	ug/l	31.6	500	-500	500	
Ti	47	45	No Gas	0.450	ug/l	20.5	4	-4	4	
V	51	45	He	-0.248	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.009	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.050	ug/l	45.1	8	-8	8	
Fe	56	45	H2	2.184	ug/l	17.0	60	-60	60	
Co	59	45	He	0.014	ug/l	87.8	4	-4	4	
Ni	60	45	He	-0.013	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.142	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.308	ug/l	N/A	16	-16	16	
As	75	74	He	-0.070	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.095	ug/l	33.4	2.5	-2.5	2.5	
Sr	88	115	He	-0.040	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.033	ug/l	29.1	4	-4	4	
Ag	107	115	He	0.005	ug/l	35.6	2	-2	2	
Cd	111	115	He	0.005	ug/l	189.3	2	-2	2	
Sn	118	115	He	0.055	ug/l	148.0	16	-16	16	
Sb	121	115	He	0.021	ug/l	103.4	2	-2	2	
Ba	137	159	He	0.309	ug/l	25.1	4	-4	4	
Tl	205	209	He	0.005	ug/l	40.3	0.8	-0.8	0.8	
[Pb]	206	209	He	0.002	ug/l	817.7				
[Pb]	207	209	He	0.030	ug/l	56.5				
Pb	208	209	He	0.019	ug/l	47.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6728625.87	1.6	99.1	60	125	
Sc (ISICPMS)	45	No Gas	8188736.62	0.5	109.6	60	125	
Sc (ISICPMS)	45	H2	2341411.49	1.3	112.8	60	125	
Sc (ISICPMS)	45	He	99648.82	1.2	106.8	60	125	
Ge (IS)	74	H2	426955.69	1.0	111.4	60	125	
Ge (IS)	74	He	58280.49	1.0	112.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	137431.05	0.5	107.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	656181.59	0.5	105.3	60	125	
Bi (IS)	209	He	455205.99	0.4	105.9	60	125	

Sample Report

File Name 115SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:12:59

Sample Name **460-303781-a-13-a@5**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.305	ug/l	4.4	2000	
B	11	6	No Gas	25.657	ug/l	1.3	2000	
Na	23	45	He	411441.097	ug/l	0.9	500000	
Mg	24	45	He	105.947	ug/l	2.6	500000	
Al	27	45	He	768.617	ug/l	2.6	500000	
K	39	45	He	321.052	ug/l	4.3	500000	
Ca	40	45	H2	1140.809	ug/l	0.7	1000000	
Ti	47	45	No Gas	19.978	ug/l	2.2	10000	
V	51	45	He	40.993	ug/l	2.6	5000	
Cr	52	45	He	12.760	ug/l	3.5	20000	
Mn	55	45	He	4.071	ug/l	2.3	20000	
Fe	56	45	H2	1847.311	ug/l	0.9	500000	
Co	59	45	He	0.261	ug/l	15.6	2000	
Ni	60	45	He	1.609	ug/l	23.6	20000	
Cu	63	45	He	0.644	ug/l	14.5	20000	
Zn	66	45	He	4.779	ug/l	24.5	20000	
As	75	74	He	3.009	ug/l	15.6	5000	
Se	78	74	H2	0.559	ug/l	27.2	3000	
Sr	88	115	He	3.857	ug/l	3.3	5000	
Mo	95	115	He	1.994	ug/l	6.0	2000	
Ag	107	115	He	0.006	ug/l	57.6	1000	
Cd	111	115	He	0.013	ug/l	148.4	5000	
Sn	118	115	He	0.102	ug/l	72.0	2000	
Sb	121	115	He	0.137	ug/l	15.0	1000	
Ba	137	159	He	2.002	ug/l	16.8	20000	
Tl	205	209	He	0.007	ug/l	28.1	1000	
[Pb]	206	209	He	0.402	ug/l	21.8		
[Pb]	207	209	He	0.364	ug/l	7.5		
Pb	208	209	He	0.400	ug/l	9.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6348205.60	1.4	93.5	60	125	
Sc (ISICPMS)	45	No Gas	7688803.91	0.3	102.9	60	125	
Sc (ISICPMS)	45	H2	2201143.42	0.7	106.0	60	125	
Sc (ISICPMS)	45	He	92582.18	1.4	99.2	60	125	
Ge (IS)	74	H2	416985.16	0.9	108.8	60	125	
Ge (IS)	74	He	57640.12	0.7	111.2	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124474.45	0.7	97.4	60	125	
Tb (IS)	159	He	612012.00	0.5	98.2	60	125	
Bi (IS)	209	He	407500.09	0.8	94.8	60	125	

Sample Report

File Name 116SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:15:27

Sample Name **460-303781-a-14-a**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.061	ug/l	12.7	2000	
B	11	6	No Gas	122.421	ug/l	1.0	2000	
Na	23	45	He	535286.146	ug/l	1.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	15699.924	ug/l	1.1	500000	
Al	27	45	He	233.663	ug/l	3.5	500000	
K	39	45	He	3308.612	ug/l	2.3	500000	
Ca	40	45	H2	61547.962	ug/l	1.0	1000000	
Ti	47	45	No Gas	6.841	ug/l	3.0	10000	
V	51	45	He	14.940	ug/l	1.9	5000	
Cr	52	45	He	4.737	ug/l	6.9	20000	
Mn	55	45	He	2186.497	ug/l	1.6	20000	
Fe	56	45	H2	22113.789	ug/l	0.9	500000	
Co	59	45	He	2.436	ug/l	3.3	2000	
Ni	60	45	He	1.705	ug/l	2.3	20000	
Cu	63	45	He	1.174	ug/l	8.8	20000	
Zn	66	45	He	2.036	ug/l	11.3	20000	
As	75	74	He	14.612	ug/l	7.0	5000	
Se	78	74	H2	0.876	ug/l	32.6	3000	
Sr	88	115	He	209.941	ug/l	2.2	5000	
Mo	95	115	He	0.576	ug/l	9.0	2000	
Ag	107	115	He	0.010	ug/l	21.6	1000	
Cd	111	115	He	0.006	ug/l	172.9	5000	
Sn	118	115	He	0.280	ug/l	53.7	2000	
Sb	121	115	He	0.290	ug/l	15.7	1000	
Ba	137	159	He	81.636	ug/l	1.3	20000	
Tl	205	209	He	-0.007	ug/l	N/A	1000	
[Pb]	206	209	He	1.072	ug/l	3.8		
[Pb]	207	209	He	0.994	ug/l	1.9		
Pb	208	209	He	1.024	ug/l	4.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6451717.26	0.5	95.1	60	125	
Sc (ISICPMS)	45	No Gas	7739181.76	0.4	103.6	60	125	
Sc (ISICPMS)	45	H2	2219480.66	0.5	106.9	60	125	
Sc (ISICPMS)	45	He	93843.07	1.5	100.6	60	125	
Ge (IS)	74	H2	421310.21	0.2	109.9	60	125	
Ge (IS)	74	He	57137.52	1.4	110.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127197.30	1.4	99.6	60	125	
Tb (IS)	159	He	617019.27	0.7	99.0	60	125	
Bi (IS)	209	He	408725.05	0.4	95.1	60	125	

Sample Report

File Name 117SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:17:53

Sample Name **460-303781-a-15-a**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.193	ug/l	10.1	2000	
B	11	6	No Gas	74.319	ug/l	0.2	2000	
Na	23	45	He	718710.147	ug/l	0.7	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	19812.235	ug/l	0.4	500000	
Al	27	45	He	617.338	ug/l	0.4	500000	
K	39	45	He	4346.441	ug/l	0.5	500000	
Ca	40	45	H2	79519.196	ug/l	0.5	1000000	
Ti	47	45	No Gas	41.146	ug/l	0.5	10000	
V	51	45	He	30.856	ug/l	2.4	5000	
Cr	52	45	He	11.673	ug/l	2.6	20000	
Mn	55	45	He	1611.431	ug/l	1.7	20000	
Fe	56	45	H2	10689.943	ug/l	1.3	500000	
Co	59	45	He	1.148	ug/l	2.3	2000	
Ni	60	45	He	5.878	ug/l	1.3	20000	
Cu	63	45	He	3.340	ug/l	4.8	20000	
Zn	66	45	He	20.483	ug/l	2.1	20000	
As	75	74	He	6.998	ug/l	10.6	5000	
Se	78	74	H2	0.958	ug/l	14.9	3000	
Sr	88	115	He	219.932	ug/l	1.0	5000	
Mo	95	115	He	0.678	ug/l	13.1	2000	
Ag	107	115	He	0.015	ug/l	44.8	1000	
Cd	111	115	He	0.167	ug/l	61.9	5000	
Sn	118	115	He	1.182	ug/l	7.7	2000	
Sb	121	115	He	0.636	ug/l	6.2	1000	
Ba	137	159	He	48.131	ug/l	4.2	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	3.022	ug/l	3.8		
[Pb]	207	209	He	2.927	ug/l	5.4		
Pb	208	209	He	2.939	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6319032.82	0.9	93.1	60	125	
Sc (ISICPMS)	45	No Gas	7756171.69	0.2	103.8	60	125	
Sc (ISICPMS)	45	H2	2230958.73	1.2	107.4	60	125	
Sc (ISICPMS)	45	He	93606.94	0.5	100.3	60	125	
Ge (IS)	74	H2	424123.65	0.5	110.6	60	125	
Ge (IS)	74	He	56880.10	2.0	109.8	60	125	
Kr	83	He	16.68	34.6	500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126008.05	0.8	98.6	60	125	
Tb (IS)	159	He	614595.18	0.3	98.7	60	125	
Bi (IS)	209	He	404468.55	0.2	94.1	60	125	

Sample Report

File Name 118SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:20:21

Sample Name **460-303781-a-16-a**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.214	ug/l	2.3	2000	
B	11	6	No Gas	41.819	ug/l	1.5	2000	
Na	23	45	He	311965.590	ug/l	1.0	500000	
Mg	24	45	He	13787.542	ug/l	1.8	500000	
Al	27	45	He	1362.047	ug/l	2.0	500000	
K	39	45	He	2733.990	ug/l	2.3	500000	
Ca	40	45	H2	26701.881	ug/l	0.7	1000000	
Ti	47	45	No Gas	25.835	ug/l	0.9	10000	
V	51	45	He	23.868	ug/l	1.8	5000	
Cr	52	45	He	4.904	ug/l	2.8	20000	
Mn	55	45	He	289.650	ug/l	1.6	20000	
Fe	56	45	H2	55835.021	ug/l	0.3	500000	
Co	59	45	He	0.850	ug/l	2.9	2000	
Ni	60	45	He	1.452	ug/l	14.1	20000	
Cu	63	45	He	4.771	ug/l	3.1	20000	
Zn	66	45	He	17.946	ug/l	5.8	20000	
As	75	74	He	3.778	ug/l	10.0	5000	
Se	78	74	H2	0.506	ug/l	32.0	3000	
Sr	88	115	He	94.160	ug/l	0.8	5000	
Mo	95	115	He	0.455	ug/l	9.3	2000	
Ag	107	115	He	0.030	ug/l	27.3	1000	
Cd	111	115	He	0.038	ug/l	57.8	5000	
Sn	118	115	He	0.476	ug/l	28.1	2000	
Sb	121	115	He	0.384	ug/l	3.3	1000	
Ba	137	159	He	32.594	ug/l	1.9	20000	
Tl	205	209	He	0.005	ug/l	157.8	1000	
[Pb]	206	209	He	3.316	ug/l	4.9		
[Pb]	207	209	He	3.313	ug/l	2.6		
Pb	208	209	He	3.244	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6410104.83	1.7	94.4	60	125	
Sc (ISICPMS)	45	No Gas	7817688.42	0.8	104.6	60	125	
Sc (ISICPMS)	45	H2	2260423.98	0.1	108.9	60	125	
Sc (ISICPMS)	45	He	95378.89	1.2	102.2	60	125	
Ge (IS)	74	H2	423408.36	0.3	110.4	60	125	
Ge (IS)	74	He	57961.95	1.3	111.8	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127485.05	1.4	99.8	60	125	
Tb (IS)	159	He	622479.58	0.5	99.9	60	125	
Bi (IS)	209	He	414636.06	0.4	96.4	60	125	

Sample Report

File Name 119SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:22:49

Sample Name **460-303781-a-17-a**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.044	ug/l	27.5	2000	
B	11	6	No Gas	69.389	ug/l	1.5	2000	
Na	23	45	He	82861.158	ug/l	1.0	500000	
Mg	24	45	He	13535.214	ug/l	0.3	500000	
Al	27	45	He	818.536	ug/l	3.0	500000	
K	39	45	He	1556.645	ug/l	1.1	500000	
Ca	40	45	H2	42307.342	ug/l	1.2	1000000	
Ti	47	45	No Gas	14.854	ug/l	2.3	10000	
V	51	45	He	2.987	ug/l	9.3	5000	
Cr	52	45	He	0.693	ug/l	24.8	20000	
Mn	55	45	He	167.022	ug/l	1.0	20000	
Fe	56	45	H2	5478.686	ug/l	1.8	500000	
Co	59	45	He	0.862	ug/l	4.8	2000	
Ni	60	45	He	1.522	ug/l	4.1	20000	
Cu	63	45	He	2.268	ug/l	5.4	20000	
Zn	66	45	He	15.438	ug/l	6.3	20000	
As	75	74	He	0.623	ug/l	40.6	5000	
Se	78	74	H2	0.291	ug/l	61.8	3000	
Sr	88	115	He	111.874	ug/l	0.7	5000	
Mo	95	115	He	0.445	ug/l	9.1	2000	
Ag	107	115	He	0.007	ug/l	110.5	1000	
Cd	111	115	He	0.037	ug/l	127.3	5000	
Sn	118	115	He	0.013	ug/l	998.5	2000	
Sb	121	115	He	0.326	ug/l	10.2	1000	
Ba	137	159	He	22.039	ug/l	1.7	20000	
Tl	205	209	He	0.011	ug/l	35.9	1000	
[Pb]	206	209	He	0.767	ug/l	5.6		
[Pb]	207	209	He	0.734	ug/l	4.8		
Pb	208	209	He	0.734	ug/l	2.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6425787.20	0.9	94.7	60	125	
Sc (ISICPMS)	45	No Gas	7939441.90	1.1	106.3	60	125	
Sc (ISICPMS)	45	H2	2282477.56	0.8	109.9	60	125	
Sc (ISICPMS)	45	He	97002.27	0.3	104.0	60	125	
Ge (IS)	74	H2	428809.52	0.8	111.9	60	125	
Ge (IS)	74	He	57821.21	1.2	111.6	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130485.08	1.2	102.1	60	125	
Tb (IS)	159	He	630683.02	0.7	101.2	60	125	
Bi (IS)	209	He	431724.19	1.1	100.4	60	125	

Sample Report

File Name 120SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:25:16

Sample Name **460-303781-a-18-a**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.217	ug/l	14.3	2000	
B	11	6	No Gas	120.576	ug/l	0.5	2000	
Na	23	45	He	54170.114	ug/l	0.1	500000	
Mg	24	45	He	12729.778	ug/l	0.3	500000	
Al	27	45	He	1174.404	ug/l	1.0	500000	
K	39	45	He	1529.854	ug/l	0.6	500000	
Ca	40	45	H2	47998.597	ug/l	1.0	1000000	
Ti	47	45	No Gas	23.681	ug/l	2.3	10000	
V	51	45	He	12.269	ug/l	1.8	5000	
Cr	52	45	He	4.508	ug/l	3.6	20000	
Mn	55	45	He	292.873	ug/l	0.7	20000	
Fe	56	45	H2	7076.995	ug/l	0.3	500000	
Co	59	45	He	6.391	ug/l	1.7	2000	
Ni	60	45	He	8.742	ug/l	3.6	20000	
Cu	63	45	He	5.892	ug/l	1.4	20000	
Zn	66	45	He	36.711	ug/l	5.1	20000	
As	75	74	He	1.530	ug/l	27.2	5000	
Se	78	74	H2	0.137	ug/l	35.7	3000	
Sr	88	115	He	132.519	ug/l	1.7	5000	
Mo	95	115	He	0.122	ug/l	18.4	2000	
Ag	107	115	He	0.025	ug/l	33.3	1000	
Cd	111	115	He	0.086	ug/l	21.0	5000	
Sn	118	115	He	0.103	ug/l	85.8	2000	
Sb	121	115	He	1.727	ug/l	4.3	1000	
Ba	137	159	He	32.100	ug/l	4.9	20000	
Tl	205	209	He	0.101	ug/l	16.3	1000	
[Pb]	206	209	He	2.891	ug/l	0.6		
[Pb]	207	209	He	2.824	ug/l	4.6		
Pb	208	209	He	2.847	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6387978.10	0.7	94.1	60	125	
Sc (ISICPMS)	45	No Gas	8051283.49	1.1	107.8	60	125	
Sc (ISICPMS)	45	H2	2292372.97	0.6	110.4	60	125	
Sc (ISICPMS)	45	He	97120.67	0.4	104.1	60	125	
Ge (IS)	74	H2	430674.74	0.7	112.3	60	125	
Ge (IS)	74	He	58508.17	1.6	112.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130708.03	0.6	102.3	60	125	
Tb (IS)	159	He	628079.91	0.8	100.8	60	125	
Bi (IS)	209	He	428753.09	0.4	99.7	60	125	

Sample Report

File Name 121SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:27:43

Sample Name **460-303781-a-19-a**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.265	ug/l	4.9	2000	
B	11	6	No Gas	129.981	ug/l	1.0	2000	
Na	23	45	He	2681130.612	ug/l	1.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	4427.228	ug/l	2.4	500000	
Al	27	45	He	3377.421	ug/l	0.8	500000	
K	39	45	He	2960.832	ug/l	1.8	500000	
Ca	40	45	H2	7853.377	ug/l	0.6	1000000	
Ti	47	45	No Gas	31.494	ug/l	0.6	10000	
V	51	45	He	61.729	ug/l	0.3	5000	
Cr	52	45	He	16.314	ug/l	0.8	20000	
Mn	55	45	He	157.930	ug/l	1.2	20000	
Fe	56	45	H2	7563.845	ug/l	0.8	500000	
Co	59	45	He	7.830	ug/l	1.1	2000	
Ni	60	45	He	9.623	ug/l	6.1	20000	
Cu	63	45	He	21.143	ug/l	1.7	20000	
Zn	66	45	He	42.340	ug/l	4.6	20000	
As	75	74	He	5.849	ug/l	7.8	5000	
Se	78	74	H2	0.940	ug/l	11.4	3000	
Sr	88	115	He	63.052	ug/l	1.1	5000	
Mo	95	115	He	5.693	ug/l	4.6	2000	
Ag	107	115	He	0.043	ug/l	8.4	1000	
Cd	111	115	He	0.088	ug/l	13.5	5000	
Sn	118	115	He	0.161	ug/l	91.8	2000	
Sb	121	115	He	0.438	ug/l	5.9	1000	
Ba	137	159	He	28.751	ug/l	3.0	20000	
Tl	205	209	He	0.052	ug/l	7.4	1000	
[Pb]	206	209	He	10.123	ug/l	1.8		
[Pb]	207	209	He	9.822	ug/l	1.8		
Pb	208	209	He	9.928	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5706150.61	2.1	84.1	60	125	
Sc (ISICPMS)	45	No Gas	7528404.47	0.4	100.8	60	125	
Sc (ISICPMS)	45	H2	2197335.14	0.5	105.8	60	125	
Sc (ISICPMS)	45	He	94033.34	1.8	100.8	60	125	
Ge (IS)	74	H2	398398.79	0.8	103.9	60	125	
Ge (IS)	74	He	55941.58	0.7	107.9	60	125	
Kr	83	He	26.69	78.1	800.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120232.75	0.7	94.1	60	125	
Tb (IS)	159	He	583663.10	0.9	93.7	60	125	
Bi (IS)	209	He	377024.02	1.5	87.7	60	125	

Sample Report

File Name 122SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:30:11

Sample Name **460-303781-a-20-a**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.064	ug/l	17.2	2000	
B	11	6	No Gas	38.916	ug/l	0.7	2000	
Na	23	45	He	233237.752	ug/l	1.0	500000	
Mg	24	45	He	36529.572	ug/l	0.5	500000	
Al	27	45	He	221.716	ug/l	2.7	500000	
K	39	45	He	4823.568	ug/l	0.6	500000	
Ca	40	45	H2	126753.079	ug/l	1.0	1000000	
Ti	47	45	No Gas	11.170	ug/l	0.8	10000	
V	51	45	He	8.464	ug/l	3.3	5000	
Cr	52	45	He	1.845	ug/l	11.9	20000	
Mn	55	45	He	2565.560	ug/l	0.8	20000	
Fe	56	45	H2	31580.447	ug/l	0.4	500000	
Co	59	45	He	0.624	ug/l	4.7	2000	
Ni	60	45	He	1.901	ug/l	3.6	20000	
Cu	63	45	He	2.519	ug/l	4.2	20000	
Zn	66	45	He	13.469	ug/l	4.4	20000	
As	75	74	He	12.222	ug/l	2.4	5000	
Se	78	74	H2	0.564	ug/l	20.8	3000	
Sr	88	115	He	363.620	ug/l	0.7	5000	
Mo	95	115	He	0.643	ug/l	8.7	2000	
Ag	107	115	He	0.013	ug/l	43.0	1000	
Cd	111	115	He	0.031	ug/l	119.7	5000	
Sn	118	115	He	0.113	ug/l	165.6	2000	
Sb	121	115	He	0.619	ug/l	4.6	1000	
Ba	137	159	He	48.668	ug/l	2.5	20000	
Tl	205	209	He	-0.008	ug/l	N/A	1000	
[Pb]	206	209	He	1.084	ug/l	4.4		
[Pb]	207	209	He	1.008	ug/l	4.8		
Pb	208	209	He	1.024	ug/l	2.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6184879.70	0.5	91.1	60	125	
Sc (ISICPMS)	45	No Gas	7946671.06	0.6	106.4	60	125	
Sc (ISICPMS)	45	H2	2306903.77	0.3	111.1	60	125	
Sc (ISICPMS)	45	He	96950.96	0.4	103.9	60	125	
Ge (IS)	74	H2	429664.85	0.5	112.1	60	125	
Ge (IS)	74	He	58926.89	1.4	113.7	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128980.95	0.9	101.0	60	125	
Tb (IS)	159	He	629662.93	0.6	101.1	60	125	
Bi (IS)	209	He	410200.13	0.6	95.4	60	125	

Sample Report

File Name 123SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:32:38

Sample Name **460-303781-a-22-a**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.024	ug/l	23.7	2000	
B	11	6	No Gas	6.085	ug/l	3.7	2000	
Na	23	45	He	21923.655	ug/l	0.4	500000	
Mg	24	45	He	1197.587	ug/l	1.4	500000	
Al	27	45	He	51.444	ug/l	10.8	500000	
K	39	45	He	646.487	ug/l	1.2	500000	
Ca	40	45	H2	1524.861	ug/l	1.6	1000000	
Ti	47	45	No Gas	2.389	ug/l	13.0	10000	
V	51	45	He	-0.272	ug/l	N/A	5000	
Cr	52	45	He	-1.011	ug/l	N/A	20000	
Mn	55	45	He	180.681	ug/l	0.7	20000	
Fe	56	45	H2	12621.321	ug/l	1.3	500000	
Co	59	45	He	1.346	ug/l	2.7	2000	
Ni	60	45	He	0.513	ug/l	25.2	20000	
Cu	63	45	He	0.188	ug/l	22.2	20000	
Zn	66	45	He	-0.789	ug/l	N/A	20000	
As	75	74	He	0.138	ug/l	153.2	5000	
Se	78	74	H2	0.039	ug/l	172.1	3000	
Sr	88	115	He	17.954	ug/l	0.4	5000	
Mo	95	115	He	0.050	ug/l	47.7	2000	
Ag	107	115	He	0.002	ug/l	163.4	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.079	ug/l	N/A	2000	
Sb	121	115	He	0.079	ug/l	57.4	1000	
Ba	137	159	He	37.487	ug/l	2.6	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.096	ug/l	52.7		
[Pb]	207	209	He	0.097	ug/l	23.9		
Pb	208	209	He	0.107	ug/l	15.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6124761.78	2.3	90.2	60	125	
Sc (ISICPMS)	45	No Gas	8151040.78	0.8	109.1	60	125	
Sc (ISICPMS)	45	H2	2331004.32	0.8	112.2	60	125	
Sc (ISICPMS)	45	He	97282.29	0.7	104.3	60	125	
Ge (IS)	74	H2	433979.12	0.4	113.2	60	125	
Ge (IS)	74	He	59121.09	0.3	114.1	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131054.87	0.0	102.6	60	125	
Tb (IS)	159	He	629753.41	0.9	101.1	60	125	
Bi (IS)	209	He	431060.10	0.6	100.3	60	125	

Sample Report

File Name 124SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:35:06

Sample Name **460-303781-a-24-a**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.622	ug/l	3.7	2000	
B	11	6	No Gas	31.356	ug/l	2.1	2000	
Na	23	45	He	241900.918	ug/l	0.3	500000	
Mg	24	45	He	3929.194	ug/l	0.9	500000	
Al	27	45	He	701.079	ug/l	0.9	500000	
K	39	45	He	1551.237	ug/l	1.4	500000	
Ca	40	45	H2	9186.916	ug/l	0.4	1000000	
Ti	47	45	No Gas	32.322	ug/l	0.3	10000	
V	51	45	He	26.050	ug/l	2.0	5000	
Cr	52	45	He	6.203	ug/l	3.6	20000	
Mn	55	45	He	282.423	ug/l	1.4	20000	
Fe	56	45	H2	19942.068	ug/l	0.8	500000	
Co	59	45	He	2.594	ug/l	2.2	2000	
Ni	60	45	He	4.369	ug/l	1.2	20000	
Cu	63	45	He	6.764	ug/l	1.4	20000	
Zn	66	45	He	41.584	ug/l	1.1	20000	
As	75	74	He	6.488	ug/l	4.2	5000	
Se	78	74	H2	0.486	ug/l	36.8	3000	
Sr	88	115	He	44.030	ug/l	2.6	5000	
Mo	95	115	He	0.850	ug/l	3.8	2000	
Ag	107	115	He	0.018	ug/l	32.3	1000	
Cd	111	115	He	0.057	ug/l	51.4	5000	
Sn	118	115	He	73.444	ug/l	0.3	2000	
Sb	121	115	He	0.563	ug/l	1.9	1000	
Ba	137	159	He	46.949	ug/l	1.4	20000	
Tl	205	209	He	0.009	ug/l	75.3	1000	
[Pb]	206	209	He	14.011	ug/l	0.6		
[Pb]	207	209	He	13.272	ug/l	1.2		
Pb	208	209	He	13.565	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5904172.20	1.0	87.0	60	125	
Sc (ISICPMS)	45	No Gas	7918549.47	0.5	106.0	60	125	
Sc (ISICPMS)	45	H2	2323739.79	0.2	111.9	60	125	
Sc (ISICPMS)	45	He	97415.56	0.1	104.4	60	125	
Ge (IS)	74	H2	431460.26	1.1	112.5	60	125	
Ge (IS)	74	He	58997.65	0.3	113.8	60	125	
Kr	83	He	13.35	114.6	400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128013.22	0.4	100.2	60	125	
Tb (IS)	159	He	617885.53	0.9	99.2	60	125	
Bi (IS)	209	He	412838.16	0.7	96.0	60	125	

Continuing Calibration Verification (CCV)

File Name 125_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:37:33

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	101.908	ug/l	1.1	100	90	110	
B	11	6	No Gas	262.042	ug/l	2.2	250	225	275	
Na	23	45	He	25937.363	ug/l	1.7	25000	22500	27500	
Mg	24	45	He	25192.460	ug/l	1.7	25000	22500	27500	
Al	27	45	He	23347.985	ug/l	1.7	25000	22500	27500	
K	39	45	He	24990.126	ug/l	1.5	25000	22500	27500	
Ca	40	45	H2	24354.012	ug/l	0.4	25000	22500	27500	
Ti	47	45	No Gas	94.434	ug/l	2.1	100	90	110	
V	51	45	He	98.600	ug/l	2.0	100	90	110	
Cr	52	45	He	99.984	ug/l	1.2	100	90	110	
Mn	55	45	He	98.434	ug/l	0.4	100	90	110	
Fe	56	45	H2	25186.631	ug/l	1.4	25000	22500	27500	
Co	59	45	He	101.794	ug/l	0.6	100	90	110	
Ni	60	45	He	100.368	ug/l	2.0	100	90	110	
Cu	63	45	He	99.782	ug/l	2.1	100	90	110	
Zn	66	45	He	248.722	ug/l	1.6	250	225	275	
As	75	74	He	97.035	ug/l	4.2	100	90	110	
Se	78	74	H2	102.567	ug/l	1.9	100	90	110	
Sr	88	115	He	98.228	ug/l	0.8	100	90	110	
Mo	95	115	He	105.432	ug/l	0.7	100	90	110	
Ag	107	115	He	51.723	ug/l	1.6	50	45	55	
Cd	111	115	He	102.462	ug/l	0.2	100	90	110	
Sn	118	115	He	100.986	ug/l	0.3	100	90	110	
Sb	121	115	He	99.065	ug/l	2.2	100	90	110	
Ba	137	159	He	100.937	ug/l	1.7	100	90	110	
Tl	205	209	He	100.490	ug/l	0.7	100	90	110	
[Pb]	206	209	He	100.797	ug/l	0.5				
[Pb]	207	209	He	99.744	ug/l	1.4				
Pb	208	209	He	100.153	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5770978.94	0.8	85.0	60	125	
Sc (ISICPMS)	45	No Gas	7865189.88	1.9	105.3	60	125	
Sc (ISICPMS)	45	H2	2301242.08	0.8	110.8	60	125	
Sc (ISICPMS)	45	He	96303.48	1.0	103.2	60	125	
Ge (IS)	74	H2	424214.27	1.3	110.7	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	57613.52	0.4	111.2	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	127970.05	0.7	100.2	60	125	
Tb (IS)	159	He	612796.91	0.2	98.4	60	125	
Bi (IS)	209	He	413201.11	0.4	96.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 126_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:40:00

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	44.4	0.8	-0.8	0.8	
B	11	6	No Gas	2.916	ug/l	2.7	40	-40	40	
Na	23	45	He	117.326	ug/l	7.2	500	-500	500	
Mg	24	45	He	0.906	ug/l	106.8	200	-200	200	
Al	27	45	He	3.366	ug/l	18.8	40	-40	40	
K	39	45	He	55.215	ug/l	23.1	200	-200	200	
Ca	40	45	H2	1.431	ug/l	66.3	500	-500	500	
Ti	47	45	No Gas	0.226	ug/l	29.5	4	-4	4	
V	51	45	He	-0.345	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.319	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.081	ug/l	156.1	8	-8	8	
Fe	56	45	H2	2.270	ug/l	8.2	60	-60	60	
Co	59	45	He	0.016	ug/l	27.0	4	-4	4	
Ni	60	45	He	0.021	ug/l	461.5	4	-4	4	
Cu	63	45	He	-0.026	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.030	ug/l	N/A	16	-16	16	
As	75	74	He	-0.064	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.055	ug/l	128.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.041	ug/l	N/A	4	-4	4	
Mo	95	115	He	-0.001	ug/l	N/A	4	-4	4	
Ag	107	115	He	0.004	ug/l	86.8	2	-2	2	
Cd	111	115	He	0.012	ug/l	1.3	2	-2	2	
Sn	118	115	He	0.133	ug/l	110.9	16	-16	16	
Sb	121	115	He	0.002	ug/l	1186.0	2	-2	2	
Ba	137	159	He	0.356	ug/l	34.4	4	-4	4	
Tl	205	209	He	0.006	ug/l	51.5	0.8	-0.8	0.8	
[Pb]	206	209	He	0.006	ug/l	156.1				
[Pb]	207	209	He	0.018	ug/l	178.9				
Pb	208	209	He	0.010	ug/l	66.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5823454.84	0.5	85.8	60	125	
Sc (ISICPMS)	45	No Gas	7920006.83	0.4	106.0	60	125	
Sc (ISICPMS)	45	H2	2308195.40	1.1	111.2	60	125	
Sc (ISICPMS)	45	He	96967.08	0.6	103.9	60	125	
Ge (IS)	74	H2	409354.84	0.8	106.8	60	125	
Ge (IS)	74	He	55921.76	1.4	107.9	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	129801.78	0.9	101.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	615518.40	1.2	98.8	60	125	
Bi (IS)	209	He	425333.38	0.9	98.9	60	125	

Sample Report

File Name 127SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:42:26

Sample Name **mb 460-975485/1-a**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	63.8	2000	
B	11	6	No Gas	1.766	ug/l	12.4	2000	
Na	23	45	He	101.340	ug/l	5.9	500000	
Mg	24	45	He	-1.038	ug/l	N/A	500000	
Al	27	45	He	0.794	ug/l	65.1	500000	
K	39	45	He	42.898	ug/l	37.2	500000	
Ca	40	45	H2	-0.225	ug/l	N/A	1000000	
Ti	47	45	No Gas	0.134	ug/l	25.4	10000	
V	51	45	He	-0.294	ug/l	N/A	5000	
Cr	52	45	He	-0.196	ug/l	N/A	20000	
Mn	55	45	He	-0.032	ug/l	N/A	20000	
Fe	56	45	H2	0.303	ug/l	39.2	500000	
Co	59	45	He	0.012	ug/l	63.2	2000	
Ni	60	45	He	-0.054	ug/l	N/A	20000	
Cu	63	45	He	-0.097	ug/l	N/A	20000	
Zn	66	45	He	-1.463	ug/l	N/A	20000	
As	75	74	He	-0.031	ug/l	N/A	5000	
Se	78	74	H2	0.180	ug/l	44.2	3000	
Sr	88	115	He	-0.078	ug/l	N/A	5000	
Mo	95	115	He	0.021	ug/l	55.5	2000	
Ag	107	115	He	0.006	ug/l	63.3	1000	
Cd	111	115	He	0.006	ug/l	355.2	5000	
Sn	118	115	He	0.209	ug/l	38.5	2000	
Sb	121	115	He	0.001	ug/l	1604.3	1000	
Ba	137	159	He	0.281	ug/l	12.1	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.023	ug/l	70.4		
[Pb]	207	209	He	0.037	ug/l	28.0		
Pb	208	209	He	0.024	ug/l	38.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5788710.40	0.4	85.3	60	125	
Sc (ISICPMS)	45	No Gas	7934322.17	1.2	106.2	60	125	
Sc (ISICPMS)	45	H2	2318587.12	0.9	111.7	60	125	
Sc (ISICPMS)	45	He	97700.75	0.4	104.7	60	125	
Ge (IS)	74	H2	410942.66	0.6	107.2	60	125	
Ge (IS)	74	He	56041.83	2.3	108.1	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129814.47	0.2	101.6	60	125	
Tb (IS)	159	He	614057.48	1.3	98.6	60	125	
Bi (IS)	209	He	423376.92	0.8	98.5	60	125	

Sample Report

File Name 128SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:44:53

Sample Name **lcs 460-975485/2-a@10**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	93.799	ug/l	0.5	2000	
B	11	6	No Gas	104.449	ug/l	1.0	2000	
Na	23	45	He	2112.565	ug/l	1.1	500000	
Mg	24	45	He	1928.661	ug/l	0.3	500000	
Al	27	45	He	477.639	ug/l	2.3	500000	
K	39	45	He	2063.604	ug/l	2.5	500000	
Ca	40	45	H2	1977.316	ug/l	0.9	1000000	
Ti	47	45	No Gas	93.392	ug/l	2.1	10000	
V	51	45	He	47.603	ug/l	1.7	5000	
Cr	52	45	He	489.088	ug/l	1.1	20000	
Mn	55	45	He	91.721	ug/l	0.9	20000	
Fe	56	45	H2	99.881	ug/l	1.4	500000	
Co	59	45	He	97.352	ug/l	0.7	2000	
Ni	60	45	He	96.412	ug/l	2.1	20000	
Cu	63	45	He	97.177	ug/l	0.7	20000	
Zn	66	45	He	94.273	ug/l	2.3	20000	
As	75	74	He	479.546	ug/l	1.9	5000	
Se	78	74	H2	97.374	ug/l	2.2	3000	
Sr	88	115	He	90.011	ug/l	0.5	5000	
Mo	95	115	He	99.830	ug/l	1.0	2000	
Ag	107	115	He	46.782	ug/l	0.9	1000	
Cd	111	115	He	92.717	ug/l	2.0	5000	
Sn	118	115	He	97.612	ug/l	0.3	2000	
Sb	121	115	He	95.372	ug/l	2.7	1000	
Ba	137	159	He	931.789	ug/l	1.0	20000	
Tl	205	209	He	92.370	ug/l	1.1	1000	
[Pb]	206	209	He	487.862	ug/l	1.9		
[Pb]	207	209	He	466.419	ug/l	2.0		
Pb	208	209	He	474.911	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5773235.19	0.7	85.1	60	125	
Sc (ISICPMS)	45	No Gas	7874675.51	1.4	105.4	60	125	
Sc (ISICPMS)	45	H2	2311618.28	1.4	111.3	60	125	
Sc (ISICPMS)	45	He	96262.22	0.8	103.2	60	125	
Ge (IS)	74	H2	417400.86	1.0	108.9	60	125	
Ge (IS)	74	He	56648.39	0.2	109.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130094.95	0.6	101.8	60	125	
Tb (IS)	159	He	619106.97	0.2	99.4	60	125	
Bi (IS)	209	He	425935.89	0.5	99.1	60	125	

Sample Report

File Name 129SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:47:19

Sample Name **pds 460-303978-g-14-c@10**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.344	ug/l	4.6	2000	
B	11	6	No Gas	534.407	ug/l	2.8	2000	
Na	23	45	He	137453.623	ug/l	0.0	500000	
Mg	24	45	He	3790.275	ug/l	0.5	500000	
Al	27	45	He	2326.501	ug/l	1.1	500000	
K	39	45	He	2845.854	ug/l	0.4	500000	
Ca	40	45	H2	12399.040	ug/l	1.2	1000000	
Ti	47	45	No Gas	48.042	ug/l	0.8	10000	
V	51	45	He	48.531	ug/l	1.1	5000	
Cr	52	45	He	49.056	ug/l	0.6	20000	
Mn	55	45	He	515.665	ug/l	0.5	20000	
Fe	56	45	H2	2468.396	ug/l	1.5	500000	
Co	59	45	He	27.859	ug/l	1.2	2000	
Ni	60	45	He	50.580	ug/l	0.4	20000	
Cu	63	45	He	49.595	ug/l	1.4	20000	
Zn	66	45	He	267.636	ug/l	0.7	20000	
As	75	74	He	48.496	ug/l	1.4	5000	
Se	78	74	H2	49.003	ug/l	0.3	3000	
Sr	88	115	He	84.361	ug/l	0.6	5000	
Mo	95	115	He	51.434	ug/l	1.9	2000	
Ag	107	115	He	8.416	ug/l	2.3	1000	
Cd	111	115	He	26.318	ug/l	0.4	5000	
Sn	118	115	He	51.518	ug/l	0.8	2000	
Sb	121	115	He	25.465	ug/l	0.5	1000	
Ba	137	159	He	125.229	ug/l	2.9	20000	
Tl	205	209	He	19.463	ug/l	1.2	1000	
[Pb]	206	209	He	33.782	ug/l	1.1		
[Pb]	207	209	He	33.308	ug/l	0.5		
Pb	208	209	He	33.446	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5641787.14	2.3	83.1	60	125	
Sc (ISICPMS)	45	No Gas	7827434.67	0.6	104.8	60	125	
Sc (ISICPMS)	45	H2	2289792.71	1.1	110.3	60	125	
Sc (ISICPMS)	45	He	96477.69	0.5	103.4	60	125	
Ge (IS)	74	H2	425276.17	1.9	110.9	60	125	
Ge (IS)	74	He	57713.80	1.9	111.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124765.87	0.7	97.7	60	125	
Tb (IS)	159	He	614156.63	0.4	98.6	60	125	
Bi (IS)	209	He	411285.28	0.5	95.7	60	125	

Sample Report

File Name 130SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:49:46

Sample Name **460-303978-g-14-e ms@10**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	99.965	ug/l	1.3	2000	
B	11	6	No Gas	116.209	ug/l	0.6	2000	
Na	23	45	He	137703.121	ug/l	1.0	500000	
Mg	24	45	He	3341.479	ug/l	0.5	500000	
Al	27	45	He	488.979	ug/l	1.9	500000	
K	39	45	He	2396.150	ug/l	0.6	500000	
Ca	40	45	H2	12113.268	ug/l	0.5	1000000	
Ti	47	45	No Gas	97.391	ug/l	2.1	10000	
V	51	45	He	49.496	ug/l	1.2	5000	
Cr	52	45	He	494.445	ug/l	1.0	20000	
Mn	55	45	He	375.522	ug/l	0.6	20000	
Fe	56	45	H2	107.731	ug/l	0.2	500000	
Co	59	45	He	100.992	ug/l	1.0	2000	
Ni	60	45	He	98.138	ug/l	0.5	20000	
Cu	63	45	He	97.847	ug/l	1.4	20000	
Zn	66	45	He	116.773	ug/l	1.7	20000	
As	75	74	He	479.643	ug/l	1.3	5000	
Se	78	74	H2	99.921	ug/l	4.4	3000	
Sr	88	115	He	129.264	ug/l	0.9	5000	
Mo	95	115	He	105.397	ug/l	1.7	2000	
Ag	107	115	He	47.764	ug/l	1.6	1000	
Cd	111	115	He	99.303	ug/l	2.3	5000	
Sn	118	115	He	102.114	ug/l	1.3	2000	
Sb	121	115	He	100.167	ug/l	2.7	1000	
Ba	137	159	He	1027.708	ug/l	0.6	20000	
Tl	205	209	He	97.030	ug/l	0.5	1000	
[Pb]	206	209	He	520.151	ug/l	0.4		
[Pb]	207	209	He	501.028	ug/l	1.0		
Pb	208	209	He	505.807	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5573116.51	1.5	82.1	60	125	
Sc (ISICPMS)	45	No Gas	7804973.63	1.6	104.5	60	125	
Sc (ISICPMS)	45	H2	2316134.77	0.7	111.5	60	125	
Sc (ISICPMS)	45	He	97241.89	0.4	104.2	60	125	
Ge (IS)	74	H2	425021.45	0.7	110.9	60	125	
Ge (IS)	74	He	58886.89	0.7	113.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127842.77	1.4	100.1	60	125	
Tb (IS)	159	He	620563.94	0.2	99.6	60	125	
Bi (IS)	209	He	410195.12	0.3	95.4	60	125	

Sample Report

File Name 131SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:52:13

Sample Name **460-303978-g-14-d du@10**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.048	ug/l	18.2	2000	
B	11	6	No Gas	6.404	ug/l	5.4	2000	
Na	23	45	He	138092.272	ug/l	1.0	500000	
Mg	24	45	He	1417.001	ug/l	0.5	500000	
Al	27	45	He	22.614	ug/l	14.8	500000	
K	39	45	He	420.333	ug/l	5.2	500000	
Ca	40	45	H2	10300.088	ug/l	0.9	1000000	
Ti	47	45	No Gas	1.198	ug/l	11.1	10000	
V	51	45	He	-0.276	ug/l	N/A	5000	
Cr	52	45	He	0.275	ug/l	92.7	20000	
Mn	55	45	He	294.766	ug/l	1.2	20000	
Fe	56	45	H2	12.732	ug/l	1.7	500000	
Co	59	45	He	3.429	ug/l	0.8	2000	
Ni	60	45	He	2.118	ug/l	4.8	20000	
Cu	63	45	He	1.196	ug/l	0.8	20000	
Zn	66	45	He	21.253	ug/l	3.1	20000	
As	75	74	He	0.062	ug/l	160.5	5000	
Se	78	74	H2	0.174	ug/l	29.5	3000	
Sr	88	115	He	36.853	ug/l	2.7	5000	
Mo	95	115	He	0.017	ug/l	311.7	2000	
Ag	107	115	He	0.012	ug/l	43.5	1000	
Cd	111	115	He	0.146	ug/l	56.4	5000	
Sn	118	115	He	0.227	ug/l	36.1	2000	
Sb	121	115	He	0.025	ug/l	55.8	1000	
Ba	137	159	He	79.613	ug/l	2.8	20000	
Tl	205	209	He	0.002	ug/l	9.7	1000	
[Pb]	206	209	He	9.335	ug/l	2.2		
[Pb]	207	209	He	8.682	ug/l	2.7		
Pb	208	209	He	9.024	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5732050.40	2.1	84.5	60	125	
Sc (ISICPMS)	45	No Gas	7925001.83	1.4	106.1	60	125	
Sc (ISICPMS)	45	H2	2319518.04	0.5	111.7	60	125	
Sc (ISICPMS)	45	He	97258.59	0.8	104.2	60	125	
Ge (IS)	74	H2	423560.60	0.3	110.5	60	125	
Ge (IS)	74	He	57663.65	1.4	111.3	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126778.96	0.5	99.2	60	125	
Tb (IS)	159	He	614236.15	1.1	98.6	60	125	
Bi (IS)	209	He	408381.22	0.6	95.0	60	125	

Sample Report

File Name 132SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:54:40

Sample Name **460-303978-g-14-c@10**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.046	ug/l	8.0	2000	
B	11	6	No Gas	5.233	ug/l	2.9	2000	
Na	23	45	He	136694.898	ug/l	1.5	500000	
Mg	24	45	He	1410.435	ug/l	1.6	500000	
Al	27	45	He	21.922	ug/l	11.5	500000	
K	39	45	He	421.079	ug/l	2.1	500000	
Ca	40	45	H2	10154.091	ug/l	1.6	1000000	
Ti	47	45	No Gas	1.272	ug/l	14.1	10000	
V	51	45	He	-0.287	ug/l	N/A	5000	
Cr	52	45	He	0.084	ug/l	141.1	20000	
Mn	55	45	He	285.636	ug/l	1.4	20000	
Fe	56	45	H2	12.021	ug/l	8.5	500000	
Co	59	45	He	3.329	ug/l	1.3	2000	
Ni	60	45	He	2.192	ug/l	8.4	20000	
Cu	63	45	He	1.217	ug/l	7.8	20000	
Zn	66	45	He	20.690	ug/l	3.1	20000	
As	75	74	He	-0.001	ug/l	N/A	5000	
Se	78	74	H2	0.073	ug/l	68.6	3000	
Sr	88	115	He	36.232	ug/l	2.0	5000	
Mo	95	115	He	0.041	ug/l	26.5	2000	
Ag	107	115	He	0.002	ug/l	175.0	1000	
Cd	111	115	He	0.126	ug/l	26.1	5000	
Sn	118	115	He	0.109	ug/l	70.9	2000	
Sb	121	115	He	0.018	ug/l	80.3	1000	
Ba	137	159	He	77.501	ug/l	0.6	20000	
Tl	205	209	He	-0.006	ug/l	N/A	1000	
[Pb]	206	209	He	8.979	ug/l	1.8		
[Pb]	207	209	He	8.753	ug/l	2.3		
Pb	208	209	He	8.883	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5727655.19	2.4	84.4	60	125	
Sc (ISICPMS)	45	No Gas	7922821.41	1.3	106.0	60	125	
Sc (ISICPMS)	45	H2	2347964.13	0.3	113.1	60	125	
Sc (ISICPMS)	45	He	97407.96	1.4	104.4	60	125	
Ge (IS)	74	H2	427256.95	0.5	111.5	60	125	
Ge (IS)	74	He	57184.53	0.6	110.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127892.48	1.0	100.1	60	125	
Tb (IS)	159	He	615817.84	1.0	98.8	60	125	
Bi (IS)	209	He	410353.90	0.9	95.5	60	125	

Sample Report

File Name 133SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:57:06

Sample Name **sd 460-303978-g-14-c@50**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.018	ug/l	16.4	2000	
B	11	6	No Gas	2.187	ug/l	5.8	2000	
Na	23	45	He	27591.939	ug/l	0.7	500000	
Mg	24	45	He	287.375	ug/l	3.2	500000	
Al	27	45	He	4.689	ug/l	73.8	500000	
K	39	45	He	124.368	ug/l	14.8	500000	
Ca	40	45	H2	2032.403	ug/l	2.6	1000000	
Ti	47	45	No Gas	0.407	ug/l	15.9	10000	
V	51	45	He	-0.266	ug/l	N/A	5000	
Cr	52	45	He	-0.034	ug/l	N/A	20000	
Mn	55	45	He	57.848	ug/l	2.6	20000	
Fe	56	45	H2	5.209	ug/l	16.8	500000	
Co	59	45	He	0.696	ug/l	2.0	2000	
Ni	60	45	He	0.457	ug/l	28.5	20000	
Cu	63	45	He	0.136	ug/l	18.8	20000	
Zn	66	45	He	2.966	ug/l	14.1	20000	
As	75	74	He	0.020	ug/l	396.8	5000	
Se	78	74	H2	0.097	ug/l	58.6	3000	
Sr	88	115	He	6.931	ug/l	1.9	5000	
Mo	95	115	He	0.013	ug/l	80.1	2000	
Ag	107	115	He	0.001	ug/l	319.0	1000	
Cd	111	115	He	0.031	ug/l	59.8	5000	
Sn	118	115	He	0.126	ug/l	126.7	2000	
Sb	121	115	He	0.000	ug/l	N/A	1000	
Ba	137	159	He	16.138	ug/l	5.3	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	1.860	ug/l	2.7		
[Pb]	207	209	He	1.762	ug/l	2.2		
Pb	208	209	He	1.764	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5807790.19	0.6	85.6	60	125	
Sc (ISICPMS)	45	No Gas	8044511.27	1.6	107.7	60	125	
Sc (ISICPMS)	45	H2	2333236.15	1.4	112.4	60	125	
Sc (ISICPMS)	45	He	97283.16	1.2	104.3	60	125	
Ge (IS)	74	H2	420808.88	0.7	109.8	60	125	
Ge (IS)	74	He	56139.15	0.2	108.3	60	125	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128313.28	0.6	100.4	60	125	
Tb (IS)	159	He	621563.81	1.1	99.8	60	125	
Bi (IS)	209	He	419328.64	0.3	97.5	60	125	

Sample Report

File Name 134SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 15:59:32

Sample Name **460-303869-a-1-c@10**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	43.2	2000	
B	11	6	No Gas	5.426	ug/l	8.0	2000	
Na	23	45	He	134135.898	ug/l	0.7	500000	
Mg	24	45	He	1296.994	ug/l	1.0	500000	
Al	27	45	He	14.445	ug/l	10.3	500000	
K	39	45	He	177.011	ug/l	4.2	500000	
Ca	40	45	H2	6580.629	ug/l	0.6	1000000	
Ti	47	45	No Gas	1.480	ug/l	1.5	10000	
V	51	45	He	0.329	ug/l	15.6	5000	
Cr	52	45	He	0.301	ug/l	3.8	20000	
Mn	55	45	He	75.469	ug/l	0.8	20000	
Fe	56	45	H2	418.596	ug/l	0.9	500000	
Co	59	45	He	1.227	ug/l	1.4	2000	
Ni	60	45	He	2.139	ug/l	8.9	20000	
Cu	63	45	He	0.418	ug/l	5.3	20000	
Zn	66	45	He	202.047	ug/l	2.1	20000	
As	75	74	He	0.323	ug/l	88.7	5000	
Se	78	74	H2	0.096	ug/l	102.9	3000	
Sr	88	115	He	14.244	ug/l	5.8	5000	
Mo	95	115	He	0.239	ug/l	3.2	2000	
Ag	107	115	He	0.001	ug/l	459.7	1000	
Cd	111	115	He	0.064	ug/l	16.9	5000	
Sn	118	115	He	0.134	ug/l	53.0	2000	
Sb	121	115	He	0.612	ug/l	5.0	1000	
Ba	137	159	He	15.094	ug/l	2.5	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	13.326	ug/l	1.3		
[Pb]	207	209	He	12.696	ug/l	3.2		
Pb	208	209	He	12.889	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5714697.07	0.9	84.2	60	125	
Sc (ISICPMS)	45	No Gas	7800003.15	1.1	104.4	60	125	
Sc (ISICPMS)	45	H2	2309892.08	0.8	111.2	60	125	
Sc (ISICPMS)	45	He	96009.29	0.6	102.9	60	125	
Ge (IS)	74	H2	422904.55	0.6	110.3	60	125	
Ge (IS)	74	He	56863.11	3.1	109.7	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127110.29	1.1	99.5	60	125	
Tb (IS)	159	He	615603.99	1.0	98.8	60	125	
Bi (IS)	209	He	408230.45	0.5	95.0	60	125	

Sample Report

File Name 135SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:01:58

Sample Name **460-303869-a-2-c@10**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	251.0	2000	
B	11	6	No Gas	10.688	ug/l	4.7	2000	
Na	23	45	He	139003.075	ug/l	1.2	500000	
Mg	24	45	He	1349.173	ug/l	1.5	500000	
Al	27	45	He	7.220	ug/l	18.4	500000	
K	39	45	He	343.215	ug/l	7.5	500000	
Ca	40	45	H2	32801.629	ug/l	1.1	1000000	
Ti	47	45	No Gas	2.093	ug/l	6.6	10000	
V	51	45	He	0.126	ug/l	87.9	5000	
Cr	52	45	He	-0.184	ug/l	N/A	20000	
Mn	55	45	He	179.495	ug/l	1.1	20000	
Fe	56	45	H2	199.556	ug/l	1.4	500000	
Co	59	45	He	8.814	ug/l	2.2	2000	
Ni	60	45	He	9.064	ug/l	5.3	20000	
Cu	63	45	He	0.383	ug/l	19.3	20000	
Zn	66	45	He	322.003	ug/l	2.6	20000	
As	75	74	He	1.636	ug/l	4.9	5000	
Se	78	74	H2	0.019	ug/l	271.4	3000	
Sr	88	115	He	71.082	ug/l	1.4	5000	
Mo	95	115	He	0.784	ug/l	8.1	2000	
Ag	107	115	He	0.003	ug/l	181.4	1000	
Cd	111	115	He	0.070	ug/l	53.1	5000	
Sn	118	115	He	0.249	ug/l	51.9	2000	
Sb	121	115	He	3.453	ug/l	7.3	1000	
Ba	137	159	He	7.219	ug/l	1.9	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	5.294	ug/l	3.6		
[Pb]	207	209	He	4.858	ug/l	1.1		
Pb	208	209	He	5.018	ug/l	1.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5726800.61	2.3	84.4	60	125	
Sc (ISICPMS)	45	No Gas	7897300.02	0.4	105.7	60	125	
Sc (ISICPMS)	45	H2	2313255.52	0.4	111.4	60	125	
Sc (ISICPMS)	45	He	97748.99	0.5	104.8	60	125	
Ge (IS)	74	H2	426822.05	0.7	111.3	60	125	
Ge (IS)	74	He	58149.71	1.3	112.2	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126940.05	1.5	99.4	60	125	
Tb (IS)	159	He	615630.42	0.8	98.8	60	125	
Bi (IS)	209	He	411124.58	0.6	95.6	60	125	

Sample Report

File Name 136SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:04:25

Sample Name **460-303978-g-15-c@10**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.056	ug/l	16.1	2000	
B	11	6	No Gas	4.158	ug/l	6.0	2000	
Na	23	45	He	138431.357	ug/l	0.8	500000	
Mg	24	45	He	1274.998	ug/l	1.0	500000	
Al	27	45	He	18.251	ug/l	16.8	500000	
K	39	45	He	447.525	ug/l	5.4	500000	
Ca	40	45	H2	9476.275	ug/l	0.4	1000000	
Ti	47	45	No Gas	1.243	ug/l	11.2	10000	
V	51	45	He	-0.302	ug/l	N/A	5000	
Cr	52	45	He	-0.096	ug/l	N/A	20000	
Mn	55	45	He	272.922	ug/l	1.4	20000	
Fe	56	45	H2	6.481	ug/l	8.8	500000	
Co	59	45	He	2.729	ug/l	4.0	2000	
Ni	60	45	He	1.784	ug/l	2.8	20000	
Cu	63	45	He	0.799	ug/l	2.9	20000	
Zn	66	45	He	64.040	ug/l	2.0	20000	
As	75	74	He	-0.002	ug/l	N/A	5000	
Se	78	74	H2	0.116	ug/l	59.6	3000	
Sr	88	115	He	38.333	ug/l	0.8	5000	
Mo	95	115	He	0.007	ug/l	412.7	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.581	ug/l	25.0	5000	
Sn	118	115	He	0.346	ug/l	33.7	2000	
Sb	121	115	He	0.035	ug/l	58.5	1000	
Ba	137	159	He	77.621	ug/l	1.3	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	8.374	ug/l	0.4		
[Pb]	207	209	He	7.980	ug/l	1.7		
Pb	208	209	He	8.069	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5738094.50	0.2	84.5	60	125	
Sc (ISICPMS)	45	No Gas	7978305.23	1.4	106.8	60	125	
Sc (ISICPMS)	45	H2	2349614.06	1.1	113.1	60	125	
Sc (ISICPMS)	45	He	96841.89	1.0	103.8	60	125	
Ge (IS)	74	H2	430249.47	1.0	112.2	60	125	
Ge (IS)	74	He	57790.97	1.6	111.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128062.40	0.5	100.2	60	125	
Tb (IS)	159	He	616363.62	0.2	98.9	60	125	
Bi (IS)	209	He	411889.51	0.4	95.8	60	125	

Continuing Calibration Verification (CCV)

File Name 137_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:06:51

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	102.279	ug/l	3.1	100	90	110	
B	11	6	No Gas	262.476	ug/l	0.8	250	225	275	
Na	23	45	He	25797.733	ug/l	0.1	25000	22500	27500	
Mg	24	45	He	24940.991	ug/l	1.3	25000	22500	27500	
Al	27	45	He	23610.393	ug/l	0.4	25000	22500	27500	
K	39	45	He	24988.554	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	24600.541	ug/l	0.7	25000	22500	27500	
Ti	47	45	No Gas	96.763	ug/l	0.5	100	90	110	
V	51	45	He	99.022	ug/l	0.5	100	90	110	
Cr	52	45	He	100.637	ug/l	0.4	100	90	110	
Mn	55	45	He	97.781	ug/l	1.0	100	90	110	
Fe	56	45	H2	25110.635	ug/l	0.3	25000	22500	27500	
Co	59	45	He	100.640	ug/l	0.8	100	90	110	
Ni	60	45	He	100.504	ug/l	1.6	100	90	110	
Cu	63	45	He	99.631	ug/l	1.1	100	90	110	
Zn	66	45	He	246.511	ug/l	1.2	250	225	275	
As	75	74	He	97.431	ug/l	1.8	100	90	110	
Se	78	74	H2	101.633	ug/l	0.2	100	90	110	
Sr	88	115	He	97.388	ug/l	1.6	100	90	110	
Mo	95	115	He	103.221	ug/l	1.9	100	90	110	
Ag	107	115	He	51.129	ug/l	1.1	50	45	55	
Cd	111	115	He	100.654	ug/l	1.5	100	90	110	
Sn	118	115	He	100.480	ug/l	2.1	100	90	110	
Sb	121	115	He	98.529	ug/l	1.0	100	90	110	
Ba	137	159	He	99.166	ug/l	2.4	100	90	110	
Tl	205	209	He	98.955	ug/l	0.6	100	90	110	
[Pb]	206	209	He	100.173	ug/l	1.1				
[Pb]	207	209	He	99.353	ug/l	1.5				
Pb	208	209	He	99.389	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5794863.80	0.6	85.4	60	125	
Sc (ISICPMS)	45	No Gas	7854432.31	0.6	105.1	60	125	
Sc (ISICPMS)	45	H2	2305147.21	1.0	111.0	60	125	
Sc (ISICPMS)	45	He	96218.53	0.7	103.1	60	125	
Ge (IS)	74	H2	428645.70	0.9	111.8	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	57901.63	0.1	111.7	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	128759.18	1.2	100.8	60	125	
Tb (IS)	159	He	620160.87	0.6	99.5	60	125	
Bi (IS)	209	He	416910.53	1.5	97.0	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 138_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:09:18

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	52.9	0.8	-0.8	0.8	
B	11	6	No Gas	2.594	ug/l	4.0	40	-40	40	
Na	23	45	He	86.286	ug/l	5.3	500	-500	500	
Mg	24	45	He	0.502	ug/l	115.4	200	-200	200	
Al	27	45	He	1.953	ug/l	161.0	40	-40	40	
K	39	45	He	39.055	ug/l	27.0	200	-200	200	
Ca	40	45	H2	1.229	ug/l	122.0	500	-500	500	
Ti	47	45	No Gas	0.262	ug/l	28.5	4	-4	4	
V	51	45	He	-0.407	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.016	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.025	ug/l	319.5	8	-8	8	
Fe	56	45	H2	2.357	ug/l	13.5	60	-60	60	
Co	59	45	He	0.012	ug/l	92.7	4	-4	4	
Ni	60	45	He	0.026	ug/l	665.3	4	-4	4	
Cu	63	45	He	-0.065	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.315	ug/l	N/A	16	-16	16	
As	75	74	He	0.037	ug/l	284.5	2	-2	2	
Se	78	74	H2	0.042	ug/l	166.5	2.5	-2.5	2.5	
Sr	88	115	He	-0.035	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.058	ug/l	47.4	4	-4	4	
Ag	107	115	He	0.007	ug/l	84.6	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.229	ug/l	46.9	16	-16	16	
Sb	121	115	He	0.005	ug/l	653.9	2	-2	2	
Ba	137	159	He	0.243	ug/l	20.0	4	-4	4	
Tl	205	209	He	0.001	ug/l	366.7	0.8	-0.8	0.8	
[Pb]	206	209	He	0.039	ug/l	57.8				
[Pb]	207	209	He	0.039	ug/l	23.1				
Pb	208	209	He	0.030	ug/l	4.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5891077.83	0.6	86.8	60	125	
Sc (ISICPMS)	45	No Gas	7829965.72	0.3	104.8	60	125	
Sc (ISICPMS)	45	H2	2311419.10	0.7	111.3	60	125	
Sc (ISICPMS)	45	He	96575.05	0.6	103.5	60	125	
Ge (IS)	74	H2	417209.29	0.2	108.8	60	125	
Ge (IS)	74	He	56005.24	0.9	108.1	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	129396.54	0.7	101.3	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	617741.48	0.7	99.2	60	125	
Bi (IS)	209	He	429213.31	0.7	99.8	60	125	

Sample Report

File Name 139SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:11:44

Sample Name **460-303989-a-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.099	ug/l	11.0	2000	
B	11	6	No Gas	8.140	ug/l	3.7	2000	
Na	23	45	He	141769.345	ug/l	0.8	500000	
Mg	24	45	He	1560.265	ug/l	1.1	500000	
Al	27	45	He	68.800	ug/l	3.7	500000	
K	39	45	He	433.182	ug/l	1.0	500000	
Ca	40	45	H2	17438.655	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.197	ug/l	12.2	10000	
V	51	45	He	-0.259	ug/l	N/A	5000	
Cr	52	45	He	0.354	ug/l	102.7	20000	
Mn	55	45	He	323.013	ug/l	1.8	20000	
Fe	56	45	H2	202.919	ug/l	0.6	500000	
Co	59	45	He	4.516	ug/l	3.2	2000	
Ni	60	45	He	14.030	ug/l	3.1	20000	
Cu	63	45	He	18.241	ug/l	0.3	20000	
Zn	66	45	He	819.185	ug/l	0.7	20000	
As	75	74	He	0.476	ug/l	49.5	5000	
Se	78	74	H2	0.051	ug/l	36.6	3000	
Sr	88	115	He	97.177	ug/l	1.7	5000	
Mo	95	115	He	0.048	ug/l	44.0	2000	
Ag	107	115	He	0.004	ug/l	98.8	1000	
Cd	111	115	He	1.950	ug/l	8.5	5000	
Sn	118	115	He	0.182	ug/l	97.8	2000	
Sb	121	115	He	0.366	ug/l	23.0	1000	
Ba	137	159	He	81.795	ug/l	1.8	20000	
Tl	205	209	He	0.001	ug/l	696.9	1000	
[Pb]	206	209	He	158.456	ug/l	1.2		
[Pb]	207	209	He	150.969	ug/l	0.6		
Pb	208	209	He	153.478	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5776623.24	1.9	85.1	60	125	
Sc (ISICPMS)	45	No Gas	7811761.97	1.1	104.5	60	125	
Sc (ISICPMS)	45	H2	2311571.80	0.9	111.3	60	125	
Sc (ISICPMS)	45	He	96117.66	1.1	103.0	60	125	
Ge (IS)	74	H2	428931.64	0.4	111.9	60	125	
Ge (IS)	74	He	57696.93	1.0	111.3	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127692.86	0.9	100.0	60	125	
Tb (IS)	159	He	619600.24	0.5	99.5	60	125	
Bi (IS)	209	He	410684.84	0.6	95.5	60	125	

Sample Report

File Name 140SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:14:12

Sample Name **460-303989-a-2-b@10**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.097	ug/l	14.0	2000	
B	11	6	No Gas	8.378	ug/l	3.3	2000	
Na	23	45	He	145949.457	ug/l	0.1	500000	
Mg	24	45	He	1540.921	ug/l	0.5	500000	
Al	27	45	He	63.640	ug/l	6.9	500000	
K	39	45	He	434.119	ug/l	0.1	500000	
Ca	40	45	H2	21024.973	ug/l	1.7	1000000	
Ti	47	45	No Gas	1.197	ug/l	5.5	10000	
V	51	45	He	-0.284	ug/l	N/A	5000	
Cr	52	45	He	0.655	ug/l	8.0	20000	
Mn	55	45	He	354.862	ug/l	0.2	20000	
Fe	56	45	H2	1318.298	ug/l	1.7	500000	
Co	59	45	He	4.918	ug/l	1.8	2000	
Ni	60	45	He	44.668	ug/l	0.4	20000	
Cu	63	45	He	5.537	ug/l	2.0	20000	
Zn	66	45	He	693.183	ug/l	0.3	20000	
As	75	74	He	1.079	ug/l	48.8	5000	
Se	78	74	H2	0.051	ug/l	98.7	3000	
Sr	88	115	He	110.085	ug/l	0.8	5000	
Mo	95	115	He	0.079	ug/l	23.8	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	1.078	ug/l	3.3	5000	
Sn	118	115	He	0.180	ug/l	26.0	2000	
Sb	121	115	He	0.607	ug/l	9.2	1000	
Ba	137	159	He	81.052	ug/l	1.8	20000	
Tl	205	209	He	-0.005	ug/l	N/A	1000	
[Pb]	206	209	He	228.407	ug/l	0.4		
[Pb]	207	209	He	217.147	ug/l	0.3		
Pb	208	209	He	220.704	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5771722.20	1.3	85.0	60	125	
Sc (ISICPMS)	45	No Gas	7947442.38	0.1	106.4	60	125	
Sc (ISICPMS)	45	H2	2322987.40	1.3	111.9	60	125	
Sc (ISICPMS)	45	He	95951.68	0.4	102.8	60	125	
Ge (IS)	74	H2	429205.92	0.7	112.0	60	125	
Ge (IS)	74	He	57429.55	1.3	110.8	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127395.65	0.3	99.7	60	125	
Tb (IS)	159	He	620550.53	0.7	99.6	60	125	
Bi (IS)	209	He	410756.34	0.7	95.5	60	125	

Sample Report

File Name 141SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:16:38

Sample Name **460-303989-a-3-b@10**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.090	ug/l	21.4	2000	
B	11	6	No Gas	9.355	ug/l	1.9	2000	
Na	23	45	He	143170.541	ug/l	0.6	500000	
Mg	24	45	He	1374.206	ug/l	0.6	500000	
Al	27	45	He	56.476	ug/l	9.8	500000	
K	39	45	He	537.360	ug/l	0.5	500000	
Ca	40	45	H2	19951.867	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.383	ug/l	10.4	10000	
V	51	45	He	-0.363	ug/l	N/A	5000	
Cr	52	45	He	0.274	ug/l	50.9	20000	
Mn	55	45	He	446.639	ug/l	0.2	20000	
Fe	56	45	H2	1679.597	ug/l	1.0	500000	
Co	59	45	He	6.258	ug/l	0.3	2000	
Ni	60	45	He	11.989	ug/l	4.1	20000	
Cu	63	45	He	4.493	ug/l	1.3	20000	
Zn	66	45	He	1064.812	ug/l	0.8	20000	
As	75	74	He	1.681	ug/l	15.5	5000	
Se	78	74	H2	0.140	ug/l	49.2	3000	
Sr	88	115	He	134.855	ug/l	0.9	5000	
Mo	95	115	He	0.107	ug/l	39.9	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	1.664	ug/l	12.2	5000	
Sn	118	115	He	0.271	ug/l	87.1	2000	
Sb	121	115	He	0.883	ug/l	7.9	1000	
Ba	137	159	He	99.577	ug/l	1.7	20000	
Tl	205	209	He	0.018	ug/l	19.8	1000	
[Pb]	206	209	He	184.906	ug/l	0.4		
[Pb]	207	209	He	175.038	ug/l	0.5		
Pb	208	209	He	178.281	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5748523.94	1.2	84.7	60	125	
Sc (ISICPMS)	45	No Gas	7794148.77	0.7	104.3	60	125	
Sc (ISICPMS)	45	H2	2286661.55	0.2	110.1	60	125	
Sc (ISICPMS)	45	He	95145.62	0.5	102.0	60	125	
Ge (IS)	74	H2	424974.38	0.1	110.9	60	125	
Ge (IS)	74	He	56779.21	1.3	109.6	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127179.44	0.4	99.6	60	125	
Tb (IS)	159	He	613113.53	1.0	98.4	60	125	
Bi (IS)	209	He	412192.78	0.2	95.9	60	125	

Sample Report

File Name 142SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:19:04

Sample Name **460-303989-a-4-b@10**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.111	ug/l	17.0	2000	
B	11	6	No Gas	9.736	ug/l	17.3	2000	
Na	23	45	He	153237.649	ug/l	0.5	500000	
Mg	24	45	He	1595.023	ug/l	0.5	500000	
Al	27	45	He	109.436	ug/l	13.9	500000	
K	39	45	He	512.766	ug/l	1.6	500000	
Ca	40	45	H2	21078.554	ug/l	0.9	1000000	
Ti	47	45	No Gas	3.125	ug/l	17.0	10000	
V	51	45	He	-0.052	ug/l	N/A	5000	
Cr	52	45	He	1.234	ug/l	6.8	20000	
Mn	55	45	He	419.208	ug/l	0.8	20000	
Fe	56	45	H2	1383.363	ug/l	0.6	500000	
Co	59	45	He	6.022	ug/l	1.4	2000	
Ni	60	45	He	16.104	ug/l	0.5	20000	
Cu	63	45	He	7.537	ug/l	3.1	20000	
Zn	66	45	He	975.208	ug/l	1.0	20000	
As	75	74	He	1.323	ug/l	4.9	5000	
Se	78	74	H2	0.106	ug/l	49.2	3000	
Sr	88	115	He	132.011	ug/l	1.8	5000	
Mo	95	115	He	0.151	ug/l	22.4	2000	
Ag	107	115	He	0.001	ug/l	162.5	1000	
Cd	111	115	He	1.602	ug/l	12.7	5000	
Sn	118	115	He	0.256	ug/l	24.5	2000	
Sb	121	115	He	0.914	ug/l	13.8	1000	
Ba	137	159	He	98.621	ug/l	2.2	20000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
[Pb]	206	209	He	211.840	ug/l	0.9		
[Pb]	207	209	He	199.035	ug/l	0.8		
Pb	208	209	He	204.728	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5833429.22	0.7	85.9	60	125	
Sc (ISICPMS)	45	No Gas	7764989.68	1.0	103.9	60	125	
Sc (ISICPMS)	45	H2	2306403.89	1.6	111.1	60	125	
Sc (ISICPMS)	45	He	95335.62	0.6	102.2	60	125	
Ge (IS)	74	H2	430103.16	1.3	112.2	60	125	
Ge (IS)	74	He	56893.01	0.9	109.8	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126146.38	0.7	98.7	60	125	
Tb (IS)	159	He	615472.91	0.7	98.8	60	125	
Bi (IS)	209	He	409497.93	0.2	95.3	60	125	

Sample Report

File Name 143SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:21:30

Sample Name **460-303897-a-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.151	ug/l	6.6	2000	
B	11	6	No Gas	7.891	ug/l	3.9	2000	
Na	23	45	He	144620.214	ug/l	0.5	500000	
Mg	24	45	He	450.152	ug/l	0.4	500000	
Al	27	45	He	131.212	ug/l	8.6	500000	
K	39	45	He	1113.649	ug/l	0.6	500000	
Ca	40	45	H2	8786.296	ug/l	0.4	1000000	
Ti	47	45	No Gas	6.518	ug/l	8.8	10000	
V	51	45	He	0.003	ug/l	564.9	5000	
Cr	52	45	He	0.668	ug/l	37.8	20000	
Mn	55	45	He	378.015	ug/l	0.9	20000	
Fe	56	45	H2	657.349	ug/l	1.7	500000	
Co	59	45	He	3.173	ug/l	3.0	2000	
Ni	60	45	He	4.062	ug/l	7.3	20000	
Cu	63	45	He	14.994	ug/l	1.6	20000	
Zn	66	45	He	23.674	ug/l	3.0	20000	
As	75	74	He	0.604	ug/l	34.8	5000	
Se	78	74	H2	0.040	ug/l	124.4	3000	
Sr	88	115	He	39.494	ug/l	2.7	5000	
Mo	95	115	He	0.057	ug/l	39.5	2000	
Ag	107	115	He	0.001	ug/l	173.1	1000	
Cd	111	115	He	0.442	ug/l	14.4	5000	
Sn	118	115	He	0.424	ug/l	47.4	2000	
Sb	121	115	He	31.097	ug/l	1.2	1000	
Ba	137	159	He	54.517	ug/l	2.8	20000	
Tl	205	209	He	0.000	ug/l	N/A	1000	
[Pb]	206	209	He	238.456	ug/l	0.4		
[Pb]	207	209	He	227.582	ug/l	0.7		
Pb	208	209	He	231.759	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5804223.11	1.2	85.5	60	125	
Sc (ISICPMS)	45	No Gas	7766990.72	1.0	103.9	60	125	
Sc (ISICPMS)	45	H2	2314417.98	1.2	111.5	60	125	
Sc (ISICPMS)	45	He	95938.80	0.5	102.8	60	125	
Ge (IS)	74	H2	427076.38	1.4	111.4	60	125	
Ge (IS)	74	He	57878.16	1.6	111.7	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128004.37	1.1	100.2	60	125	
Tb (IS)	159	He	617852.41	0.1	99.2	60	125	
Bi (IS)	209	He	413226.91	0.4	96.1	60	125	

Sample Report

File Name 144SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:23:57

Sample Name **460-303972-a-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.074	ug/l	27.7	2000	
B	11	6	No Gas	4.934	ug/l	3.9	2000	
Na	23	45	He	147860.198	ug/l	1.4	500000	
Mg	24	45	He	553.865	ug/l	1.3	500000	
Al	27	45	He	25.563	ug/l	6.9	500000	
K	39	45	He	542.934	ug/l	1.3	500000	
Ca	40	45	H2	9406.283	ug/l	3.6	1000000	
Ti	47	45	No Gas	1.645	ug/l	17.1	10000	
V	51	45	He	-0.114	ug/l	N/A	5000	
Cr	52	45	He	0.301	ug/l	55.2	20000	
Mn	55	45	He	604.257	ug/l	1.9	20000	
Fe	56	45	H2	19.185	ug/l	2.2	500000	
Co	59	45	He	1.100	ug/l	3.1	2000	
Ni	60	45	He	1.243	ug/l	8.5	20000	
Cu	63	45	He	21.037	ug/l	2.7	20000	
Zn	66	45	He	11.136	ug/l	2.2	20000	
As	75	74	He	0.185	ug/l	70.0	5000	
Se	78	74	H2	0.063	ug/l	51.3	3000	
Sr	88	115	He	34.827	ug/l	2.1	5000	
Mo	95	115	He	0.047	ug/l	61.1	2000	
Ag	107	115	He	0.003	ug/l	240.5	1000	
Cd	111	115	He	0.229	ug/l	16.8	5000	
Sn	118	115	He	0.153	ug/l	31.3	2000	
Sb	121	115	He	0.254	ug/l	18.6	1000	
Ba	137	159	He	67.063	ug/l	1.5	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	4.525	ug/l	3.8		
[Pb]	207	209	He	4.235	ug/l	5.2		
Pb	208	209	He	4.318	ug/l	3.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5782138.11	0.2	85.2	60	125	
Sc (ISICPMS)	45	No Gas	7841664.19	1.0	104.9	60	125	
Sc (ISICPMS)	45	H2	2296291.34	1.9	110.6	60	125	
Sc (ISICPMS)	45	He	95875.32	0.8	102.8	60	125	
Ge (IS)	74	H2	424562.24	1.5	110.7	60	125	
Ge (IS)	74	He	56946.32	1.1	109.9	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127151.44	0.7	99.5	60	125	
Tb (IS)	159	He	617433.44	0.6	99.1	60	125	
Bi (IS)	209	He	412542.36	0.8	96.0	60	125	

Sample Report

File Name 145SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:26:23

Sample Name **460-304005-c-2-b@10**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.021	ug/l	21.2	2000	
B	11	6	No Gas	10.433	ug/l	2.0	2000	
Na	23	45	He	137940.859	ug/l	1.6	500000	
Mg	24	45	He	1480.435	ug/l	0.4	500000	
Al	27	45	He	108.489	ug/l	7.2	500000	
K	39	45	He	929.075	ug/l	1.3	500000	
Ca	40	45	H2	5162.551	ug/l	1.7	1000000	
Ti	47	45	No Gas	3.427	ug/l	7.5	10000	
V	51	45	He	-0.162	ug/l	N/A	5000	
Cr	52	45	He	0.230	ug/l	83.2	20000	
Mn	55	45	He	24.548	ug/l	0.9	20000	
Fe	56	45	H2	72.097	ug/l	4.0	500000	
Co	59	45	He	0.233	ug/l	8.6	2000	
Ni	60	45	He	0.633	ug/l	20.8	20000	
Cu	63	45	He	1.515	ug/l	4.5	20000	
Zn	66	45	He	11.647	ug/l	7.4	20000	
As	75	74	He	0.085	ug/l	150.6	5000	
Se	78	74	H2	0.019	ug/l	370.0	3000	
Sr	88	115	He	12.137	ug/l	2.6	5000	
Mo	95	115	He	0.049	ug/l	20.7	2000	
Ag	107	115	He	0.002	ug/l	198.6	1000	
Cd	111	115	He	0.223	ug/l	51.7	5000	
Sn	118	115	He	0.246	ug/l	15.4	2000	
Sb	121	115	He	0.079	ug/l	98.0	1000	
Ba	137	159	He	37.901	ug/l	0.8	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	5.529	ug/l	0.4		
[Pb]	207	209	He	5.350	ug/l	3.0		
Pb	208	209	He	5.395	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5765357.21	0.7	84.9	60	125	
Sc (ISICPMS)	45	No Gas	7890846.55	0.4	105.6	60	125	
Sc (ISICPMS)	45	H2	2303268.70	1.0	110.9	60	125	
Sc (ISICPMS)	45	He	95811.20	0.7	102.7	60	125	
Ge (IS)	74	H2	424997.72	0.2	110.9	60	125	
Ge (IS)	74	He	56658.59	1.0	109.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126771.97	0.5	99.2	60	125	
Tb (IS)	159	He	609718.72	0.4	97.9	60	125	
Bi (IS)	209	He	410935.90	0.4	95.6	60	125	

Sample Report

File Name 146SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:28:50

Sample Name **460-304006-a-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	121.9	2000	
B	11	6	No Gas	14.252	ug/l	11.2	2000	
Na	23	45	He	149782.554	ug/l	0.3	500000	
Mg	24	45	He	963.505	ug/l	2.4	500000	
Al	27	45	He	25.657	ug/l	6.1	500000	
K	39	45	He	1004.905	ug/l	1.0	500000	
Ca	40	45	H2	9296.058	ug/l	0.3	1000000	
Ti	47	45	No Gas	1.938	ug/l	6.8	10000	
V	51	45	He	1.047	ug/l	4.1	5000	
Cr	52	45	He	0.139	ug/l	159.4	20000	
Mn	55	45	He	50.805	ug/l	2.0	20000	
Fe	56	45	H2	229.558	ug/l	2.1	500000	
Co	59	45	He	0.263	ug/l	9.1	2000	
Ni	60	45	He	1.772	ug/l	10.1	20000	
Cu	63	45	He	2.427	ug/l	4.0	20000	
Zn	66	45	He	58.281	ug/l	2.5	20000	
As	75	74	He	1.885	ug/l	9.8	5000	
Se	78	74	H2	0.193	ug/l	32.6	3000	
Sr	88	115	He	52.555	ug/l	0.6	5000	
Mo	95	115	He	0.056	ug/l	21.0	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.190	ug/l	54.7	5000	
Sn	118	115	He	0.181	ug/l	143.2	2000	
Sb	121	115	He	0.643	ug/l	6.0	1000	
Ba	137	159	He	36.965	ug/l	4.6	20000	
Tl	205	209	He	-0.007	ug/l	N/A	1000	
[Pb]	206	209	He	22.992	ug/l	2.0		
[Pb]	207	209	He	22.288	ug/l	3.4		
Pb	208	209	He	22.490	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5796989.01	0.8	85.4	60	125	
Sc (ISICPMS)	45	No Gas	7851207.87	0.9	105.1	60	125	
Sc (ISICPMS)	45	H2	2314060.07	0.8	111.4	60	125	
Sc (ISICPMS)	45	He	96530.37	0.5	103.5	60	125	
Ge (IS)	74	H2	428345.31	1.2	111.7	60	125	
Ge (IS)	74	He	57580.15	1.1	111.1	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127500.11	0.9	99.8	60	125	
Tb (IS)	159	He	619186.58	0.4	99.4	60	125	
Bi (IS)	209	He	413167.04	0.8	96.1	60	125	

Sample Report

File Name 147SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:31:15

Sample Name **480-219552-c-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	124.2	2000	
B	11	6	No Gas	8.210	ug/l	0.9	2000	
Na	23	45	He	151017.135	ug/l	1.0	500000	
Mg	24	45	He	1274.893	ug/l	0.1	500000	
Al	27	45	He	7.186	ug/l	35.0	500000	
K	39	45	He	351.457	ug/l	1.7	500000	
Ca	40	45	H2	82822.357	ug/l	1.4	1000000	
Ti	47	45	No Gas	1.382	ug/l	4.7	10000	
V	51	45	He	-0.086	ug/l	N/A	5000	
Cr	52	45	He	-0.137	ug/l	N/A	20000	
Mn	55	45	He	216.344	ug/l	1.4	20000	
Fe	56	45	H2	5.461	ug/l	2.9	500000	
Co	59	45	He	0.154	ug/l	15.9	2000	
Ni	60	45	He	0.885	ug/l	31.2	20000	
Cu	63	45	He	0.184	ug/l	36.2	20000	
Zn	66	45	He	1.754	ug/l	21.1	20000	
As	75	74	He	0.109	ug/l	136.9	5000	
Se	78	74	H2	0.149	ug/l	25.4	3000	
Sr	88	115	He	119.902	ug/l	0.8	5000	
Mo	95	115	He	2.996	ug/l	5.3	2000	
Ag	107	115	He	0.001	ug/l	235.7	1000	
Cd	111	115	He	0.132	ug/l	20.9	5000	
Sn	118	115	He	0.163	ug/l	127.6	2000	
Sb	121	115	He	0.097	ug/l	34.8	1000	
Ba	137	159	He	49.909	ug/l	2.4	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.381	ug/l	5.3		
[Pb]	207	209	He	0.297	ug/l	12.4		
Pb	208	209	He	0.342	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5781333.18	1.5	85.2	60	125	
Sc (ISICPMS)	45	No Gas	7867008.84	0.3	105.3	60	125	
Sc (ISICPMS)	45	H2	2327285.47	1.0	112.1	60	125	
Sc (ISICPMS)	45	He	97840.50	1.0	104.9	60	125	
Ge (IS)	74	H2	429900.82	1.2	112.1	60	125	
Ge (IS)	74	He	58243.39	1.6	112.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128463.92	1.1	100.6	60	125	
Tb (IS)	159	He	628079.27	0.7	100.8	60	125	
Bi (IS)	209	He	412382.35	0.6	95.9	60	125	

Sample Report

File Name 148SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:33:43

Sample Name **460-303909-a-2-b@10**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	40.3	2000	
B	11	6	No Gas	12.310	ug/l	3.4	2000	
Na	23	45	He	143198.261	ug/l	1.2	500000	
Mg	24	45	He	2207.022	ug/l	0.9	500000	
Al	27	45	He	14.968	ug/l	12.0	500000	
K	39	45	He	830.596	ug/l	1.1	500000	
Ca	40	45	H2	66329.441	ug/l	1.4	1000000	
Ti	47	45	No Gas	1.622	ug/l	4.2	10000	
V	51	45	He	-0.024	ug/l	N/A	5000	
Cr	52	45	He	3.046	ug/l	4.4	20000	
Mn	55	45	He	570.493	ug/l	1.1	20000	
Fe	56	45	H2	19.771	ug/l	1.6	500000	
Co	59	45	He	0.226	ug/l	7.8	2000	
Ni	60	45	He	2.018	ug/l	9.2	20000	
Cu	63	45	He	7.001	ug/l	1.6	20000	
Zn	66	45	He	9.634	ug/l	7.0	20000	
As	75	74	He	0.070	ug/l	218.9	5000	
Se	78	74	H2	0.092	ug/l	1.2	3000	
Sr	88	115	He	193.943	ug/l	1.2	5000	
Mo	95	115	He	0.460	ug/l	13.8	2000	
Ag	107	115	He	0.006	ug/l	35.4	1000	
Cd	111	115	He	0.224	ug/l	12.8	5000	
Sn	118	115	He	0.303	ug/l	8.1	2000	
Sb	121	115	He	0.169	ug/l	39.8	1000	
Ba	137	159	He	121.008	ug/l	1.0	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.582	ug/l	4.3		
[Pb]	207	209	He	0.509	ug/l	6.9		
Pb	208	209	He	0.537	ug/l	5.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5805722.62	2.4	85.5	60	125	
Sc (ISICPMS)	45	No Gas	7978286.76	0.9	106.8	60	125	
Sc (ISICPMS)	45	H2	2331123.25	1.4	112.3	60	125	
Sc (ISICPMS)	45	He	97831.94	1.2	104.9	60	125	
Ge (IS)	74	H2	437910.38	0.8	114.2	60	125	
Ge (IS)	74	He	59610.68	1.6	115.0	60	125	
Kr	83	He	10.01	NaN	300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129578.56	0.3	101.4	60	125	
Tb (IS)	159	He	622166.63	0.8	99.9	60	125	
Bi (IS)	209	He	416210.32	1.5	96.8	60	125	

Continuing Calibration Verification (CCV)

File Name 149_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:36:08

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.617	ug/l	0.9	100	90	110	
B	11	6	No Gas	256.802	ug/l	1.3	250	225	275	
Na	23	45	He	25667.751	ug/l	0.2	25000	22500	27500	
Mg	24	45	He	25103.201	ug/l	0.1	25000	22500	27500	
Al	27	45	He	23676.914	ug/l	0.7	25000	22500	27500	
K	39	45	He	25105.438	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	24565.062	ug/l	1.5	25000	22500	27500	
Ti	47	45	No Gas	95.657	ug/l	1.2	100	90	110	
V	51	45	He	98.880	ug/l	0.8	100	90	110	
Cr	52	45	He	99.850	ug/l	0.7	100	90	110	
Mn	55	45	He	98.204	ug/l	1.2	100	90	110	
Fe	56	45	H2	24986.399	ug/l	0.8	25000	22500	27500	
Co	59	45	He	102.143	ug/l	0.7	100	90	110	
Ni	60	45	He	101.039	ug/l	1.2	100	90	110	
Cu	63	45	He	99.871	ug/l	1.2	100	90	110	
Zn	66	45	He	250.923	ug/l	0.4	250	225	275	
As	75	74	He	98.509	ug/l	5.5	100	90	110	
Se	78	74	H2	100.480	ug/l	2.0	100	90	110	
Sr	88	115	He	99.022	ug/l	2.5	100	90	110	
Mo	95	115	He	102.984	ug/l	0.8	100	90	110	
Ag	107	115	He	51.978	ug/l	1.0	50	45	55	
Cd	111	115	He	101.987	ug/l	1.1	100	90	110	
Sn	118	115	He	101.929	ug/l	0.7	100	90	110	
Sb	121	115	He	100.296	ug/l	1.1	100	90	110	
Ba	137	159	He	98.977	ug/l	0.2	100	90	110	
Tl	205	209	He	99.363	ug/l	1.0	100	90	110	
[Pb]	206	209	He	100.450	ug/l	0.5				
[Pb]	207	209	He	99.805	ug/l	0.8				
Pb	208	209	He	100.111	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5912274.08	0.3	87.1	60	125	
Sc (ISICPMS)	45	No Gas	7838710.93	0.6	104.9	60	125	
Sc (ISICPMS)	45	H2	2296179.11	0.8	110.6	60	125	
Sc (ISICPMS)	45	He	95564.68	0.3	102.4	60	125	
Ge (IS)	74	H2	428117.72	0.3	111.7	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	57020.52	1.2	110.0	60	125	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	127569.96	0.4	99.9	60	125	
Tb (IS)	159	He	618354.05	0.7	99.3	60	125	
Bi (IS)	209	He	417026.17	0.1	97.0	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 150_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:38:35

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.005	ug/l	119.0	0.8	-0.8	0.8	
B	11	6	No Gas	2.406	ug/l	3.4	40	-40	40	
Na	23	45	He	94.517	ug/l	8.6	500	-500	500	
Mg	24	45	He	0.751	ug/l	133.8	200	-200	200	
Al	27	45	He	1.593	ug/l	58.6	40	-40	40	
K	39	45	He	36.829	ug/l	16.0	200	-200	200	
Ca	40	45	H2	2.193	ug/l	28.4	500	-500	500	
Ti	47	45	No Gas	0.237	ug/l	30.5	4	-4	4	
V	51	45	He	-0.378	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.105	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.001	ug/l	N/A	8	-8	8	
Fe	56	45	H2	2.564	ug/l	1.8	60	-60	60	
Co	59	45	He	0.009	ug/l	16.4	4	-4	4	
Ni	60	45	He	0.137	ug/l	184.0	4	-4	4	
Cu	63	45	He	-0.131	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.994	ug/l	N/A	16	-16	16	
As	75	74	He	-0.014	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.088	ug/l	89.2	2.5	-2.5	2.5	
Sr	88	115	He	-0.133	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.024	ug/l	141.7	4	-4	4	
Ag	107	115	He	0.007	ug/l	42.4	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.147	ug/l	30.7	16	-16	16	
Sb	121	115	He	0.010	ug/l	458.2	2	-2	2	
Ba	137	159	He	0.298	ug/l	18.7	4	-4	4	
Tl	205	209	He	0.005	ug/l	116.0	0.8	-0.8	0.8	
[Pb]	206	209	He	0.022	ug/l	143.0				
[Pb]	207	209	He	0.015	ug/l	109.9				
Pb	208	209	He	0.011	ug/l	53.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5924245.88	2.0	87.3	60	125	
Sc (ISICPMS)	45	No Gas	7827892.94	0.8	104.8	60	125	
Sc (ISICPMS)	45	H2	2295833.35	0.3	110.6	60	125	
Sc (ISICPMS)	45	He	95823.74	0.4	102.7	60	125	
Ge (IS)	74	H2	414224.70	0.4	108.1	60	125	
Ge (IS)	74	He	55908.03	1.3	107.9	60	125	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	129925.55	0.4	101.7	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	624058.39	0.6	100.2	60	125	
Bi (IS)	209	He	428414.26	0.2	99.7	60	125	

Sample Report

File Name 151SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:41:01

Sample Name **460-303967-j-1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	23.6	2000	
B	11	6	No Gas	6.551	ug/l	5.2	2000	
Na	23	45	He	141173.964	ug/l	0.7	500000	
Mg	24	45	He	2241.658	ug/l	1.0	500000	
Al	27	45	He	12.215	ug/l	40.9	500000	
K	39	45	He	486.458	ug/l	3.1	500000	
Ca	40	45	H2	51900.276	ug/l	1.2	1000000	
Ti	47	45	No Gas	1.331	ug/l	5.6	10000	
V	51	45	He	-0.125	ug/l	N/A	5000	
Cr	52	45	He	0.012	ug/l	1235.5	20000	
Mn	55	45	He	95.475	ug/l	0.2	20000	
Fe	56	45	H2	14.450	ug/l	2.2	500000	
Co	59	45	He	0.250	ug/l	9.2	2000	
Ni	60	45	He	2.626	ug/l	7.5	20000	
Cu	63	45	He	0.756	ug/l	9.3	20000	
Zn	66	45	He	6.077	ug/l	7.4	20000	
As	75	74	He	0.003	ug/l	3827.2	5000	
Se	78	74	H2	0.139	ug/l	58.4	3000	
Sr	88	115	He	123.809	ug/l	0.9	5000	
Mo	95	115	He	0.066	ug/l	52.5	2000	
Ag	107	115	He	0.004	ug/l	109.4	1000	
Cd	111	115	He	0.176	ug/l	63.1	5000	
Sn	118	115	He	0.123	ug/l	105.9	2000	
Sb	121	115	He	0.079	ug/l	14.0	1000	
Ba	137	159	He	51.921	ug/l	1.3	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	0.737	ug/l	10.8		
[Pb]	207	209	He	0.656	ug/l	6.0		
Pb	208	209	He	0.680	ug/l	6.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5836229.77	1.4	86.0	60	125	
Sc (ISICPMS)	45	No Gas	7898412.73	0.4	105.7	60	125	
Sc (ISICPMS)	45	H2	2319373.85	1.1	111.7	60	125	
Sc (ISICPMS)	45	He	97090.88	0.1	104.1	60	125	
Ge (IS)	74	H2	425540.00	1.2	111.0	60	125	
Ge (IS)	74	He	56490.78	2.0	109.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128643.89	0.5	100.7	60	125	
Tb (IS)	159	He	613841.03	0.3	98.5	60	125	
Bi (IS)	209	He	408017.33	0.5	94.9	60	125	

Sample Report

File Name 152SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:43:28

Sample Name **460-303967-j-2-c@10**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	16.3	2000	
B	11	6	No Gas	4.693	ug/l	6.6	2000	
Na	23	45	He	152454.239	ug/l	1.3	500000	
Mg	24	45	He	1192.430	ug/l	2.4	500000	
Al	27	45	He	11.185	ug/l	1.4	500000	
K	39	45	He	403.219	ug/l	3.0	500000	
Ca	40	45	H2	34441.890	ug/l	1.7	1000000	
Ti	47	45	No Gas	1.457	ug/l	13.5	10000	
V	51	45	He	-0.212	ug/l	N/A	5000	
Cr	52	45	He	-0.062	ug/l	N/A	20000	
Mn	55	45	He	129.384	ug/l	0.7	20000	
Fe	56	45	H2	16.537	ug/l	10.3	500000	
Co	59	45	He	1.518	ug/l	1.3	2000	
Ni	60	45	He	8.518	ug/l	0.9	20000	
Cu	63	45	He	1.118	ug/l	4.1	20000	
Zn	66	45	He	42.372	ug/l	2.6	20000	
As	75	74	He	-0.037	ug/l	N/A	5000	
Se	78	74	H2	0.061	ug/l	92.2	3000	
Sr	88	115	He	64.961	ug/l	0.9	5000	
Mo	95	115	He	0.033	ug/l	86.9	2000	
Ag	107	115	He	0.001	ug/l	850.2	1000	
Cd	111	115	He	0.243	ug/l	38.5	5000	
Sn	118	115	He	0.065	ug/l	244.2	2000	
Sb	121	115	He	0.080	ug/l	54.8	1000	
Ba	137	159	He	59.451	ug/l	4.7	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	3.577	ug/l	2.8		
[Pb]	207	209	He	3.420	ug/l	3.1		
Pb	208	209	He	3.443	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5802842.69	0.4	85.5	60	125	
Sc (ISICPMS)	45	No Gas	7899450.09	0.5	105.7	60	125	
Sc (ISICPMS)	45	H2	2341390.54	0.9	112.7	60	125	
Sc (ISICPMS)	45	He	98664.17	0.8	105.8	60	125	
Ge (IS)	74	H2	430984.19	0.3	112.4	60	125	
Ge (IS)	74	He	58283.47	1.2	112.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129783.70	0.2	101.6	60	125	
Tb (IS)	159	He	620510.14	0.2	99.6	60	125	
Bi (IS)	209	He	412782.89	0.6	96.0	60	125	

Sample Report

File Name 153SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:45:54

Sample Name **460-303366-d-1-k@10**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.017	ug/l	64.7	2000	
B	11	6	No Gas	4.373	ug/l	2.0	2000	
Na	23	45	He	145482.852	ug/l	0.2	500000	
Mg	24	45	He	1229.255	ug/l	0.8	500000	
Al	27	45	He	25.538	ug/l	9.0	500000	
K	39	45	He	571.241	ug/l	5.4	500000	
Ca	40	45	H2	11404.792	ug/l	0.2	1000000	
Ti	47	45	No Gas	1.221	ug/l	4.9	10000	
V	51	45	He	-0.257	ug/l	N/A	5000	
Cr	52	45	He	-0.015	ug/l	N/A	20000	
Mn	55	45	He	33.220	ug/l	1.3	20000	
Fe	56	45	H2	9.216	ug/l	1.7	500000	
Co	59	45	He	0.641	ug/l	1.7	2000	
Ni	60	45	He	0.657	ug/l	35.2	20000	
Cu	63	45	He	0.775	ug/l	8.2	20000	
Zn	66	45	He	7.689	ug/l	7.8	20000	
As	75	74	He	0.011	ug/l	531.4	5000	
Se	78	74	H2	0.059	ug/l	161.0	3000	
Sr	88	115	He	42.929	ug/l	2.6	5000	
Mo	95	115	He	0.005	ug/l	285.2	2000	
Ag	107	115	He	0.002	ug/l	545.1	1000	
Cd	111	115	He	0.186	ug/l	40.7	5000	
Sn	118	115	He	0.150	ug/l	59.2	2000	
Sb	121	115	He	0.080	ug/l	65.1	1000	
Ba	137	159	He	69.267	ug/l	1.2	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	270.127	ug/l	1.2		
[Pb]	207	209	He	249.504	ug/l	1.3		
Pb	208	209	He	257.817	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5852979.56	0.4	86.2	60	125	
Sc (ISICPMS)	45	No Gas	8028621.89	1.5	107.4	60	125	
Sc (ISICPMS)	45	H2	2375665.95	0.6	114.4	60	125	
Sc (ISICPMS)	45	He	98703.92	0.2	105.8	60	125	
Ge (IS)	74	H2	437296.15	1.2	114.1	60	125	
Ge (IS)	74	He	58551.40	0.9	113.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129994.90	0.3	101.8	60	125	
Tb (IS)	159	He	622971.11	0.8	100.0	60	125	
Bi (IS)	209	He	415907.74	0.7	96.7	60	125	

Sample Report

File Name 154SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:48:21

Sample Name **460-303366-d-1-I du@10**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.022	ug/l	19.0	2000	
B	11	6	No Gas	4.038	ug/l	4.7	2000	
Na	23	45	He	135901.935	ug/l	0.5	500000	
Mg	24	45	He	1175.605	ug/l	0.5	500000	
Al	27	45	He	23.715	ug/l	18.5	500000	
K	39	45	He	523.345	ug/l	5.0	500000	
Ca	40	45	H2	10146.063	ug/l	1.0	1000000	
Ti	47	45	No Gas	1.221	ug/l	10.4	10000	
V	51	45	He	-0.219	ug/l	N/A	5000	
Cr	52	45	He	-0.294	ug/l	N/A	20000	
Mn	55	45	He	34.502	ug/l	1.2	20000	
Fe	56	45	H2	11.654	ug/l	1.8	500000	
Co	59	45	He	0.487	ug/l	2.5	2000	
Ni	60	45	He	0.745	ug/l	4.8	20000	
Cu	63	45	He	0.874	ug/l	1.5	20000	
Zn	66	45	He	8.810	ug/l	4.8	20000	
As	75	74	He	0.144	ug/l	89.2	5000	
Se	78	74	H2	0.103	ug/l	18.0	3000	
Sr	88	115	He	39.535	ug/l	1.6	5000	
Mo	95	115	He	0.019	ug/l	82.7	2000	
Ag	107	115	He	0.001	ug/l	245.1	1000	
Cd	111	115	He	0.168	ug/l	23.4	5000	
Sn	118	115	He	0.117	ug/l	32.3	2000	
Sb	121	115	He	0.045	ug/l	57.9	1000	
Ba	137	159	He	60.424	ug/l	2.7	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	44.591	ug/l	0.2		
[Pb]	207	209	He	41.892	ug/l	0.6		
Pb	208	209	He	43.153	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5892204.42	0.4	86.8	60	125	
Sc (ISICPMS)	45	No Gas	7947475.44	1.3	106.4	60	125	
Sc (ISICPMS)	45	H2	2374131.70	0.4	114.3	60	125	
Sc (ISICPMS)	45	He	97665.08	0.4	104.7	60	125	
Ge (IS)	74	H2	435819.96	0.2	113.7	60	125	
Ge (IS)	74	He	57841.25	1.3	111.6	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130007.23	0.3	101.8	60	125	
Tb (IS)	159	He	623854.37	0.1	100.1	60	125	
Bi (IS)	209	He	415325.51	0.6	96.6	60	125	

Sample Report

File Name 155SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:50:47

Sample Name **lb 460-975291/1-b@10**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	0.716	ug/l	13.5	2000	
Na	23	45	He	139190.976	ug/l	2.2	500000	
Mg	24	45	He	0.397	ug/l	152.4	500000	
Al	27	45	He	2.052	ug/l	19.4	500000	
K	39	45	He	72.455	ug/l	30.3	500000	
Ca	40	45	H2	7.362	ug/l	14.6	1000000	
Ti	47	45	No Gas	0.969	ug/l	5.2	10000	
V	51	45	He	-0.240	ug/l	N/A	5000	
Cr	52	45	He	0.056	ug/l	103.1	20000	
Mn	55	45	He	0.070	ug/l	35.9	20000	
Fe	56	45	H2	2.989	ug/l	8.4	500000	
Co	59	45	He	0.003	ug/l	322.5	2000	
Ni	60	45	He	0.300	ug/l	42.6	20000	
Cu	63	45	He	-0.132	ug/l	N/A	20000	
Zn	66	45	He	-0.717	ug/l	N/A	20000	
As	75	74	He	-0.083	ug/l	N/A	5000	
Se	78	74	H2	0.095	ug/l	60.7	3000	
Sr	88	115	He	-0.103	ug/l	N/A	5000	
Mo	95	115	He	0.036	ug/l	47.1	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.205	ug/l	97.7	2000	
Sb	121	115	He	-0.006	ug/l	N/A	1000	
Ba	137	159	He	0.308	ug/l	27.9	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.072	ug/l	32.7		
[Pb]	207	209	He	0.101	ug/l	35.9		
Pb	208	209	He	0.063	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5813548.94	2.3	85.7	60	125	
Sc (ISICPMS)	45	No Gas	7902391.06	1.0	105.8	60	125	
Sc (ISICPMS)	45	H2	2320857.26	0.9	111.8	60	125	
Sc (ISICPMS)	45	He	96539.17	1.4	103.5	60	125	
Ge (IS)	74	H2	427312.60	1.2	111.5	60	125	
Ge (IS)	74	He	56323.35	1.4	108.7	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128128.01	1.4	100.3	60	125	
Tb (IS)	159	He	620585.83	0.6	99.6	60	125	
Bi (IS)	209	He	415130.26	0.4	96.6	60	125	

Sample Report

File Name 156SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:53:14

Sample Name **460-303781-a-14-a@5**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	58.8	2000	
B	11	6	No Gas	25.249	ug/l	1.6	2000	
Na	23	45	He	106598.721	ug/l	0.4	500000	
Mg	24	45	He	3129.357	ug/l	0.5	500000	
Al	27	45	He	42.941	ug/l	0.9	500000	
K	39	45	He	676.476	ug/l	3.1	500000	
Ca	40	45	H2	12152.293	ug/l	0.2	1000000	
Ti	47	45	No Gas	1.510	ug/l	6.5	10000	
V	51	45	He	2.682	ug/l	3.3	5000	
Cr	52	45	He	0.749	ug/l	7.0	20000	
Mn	55	45	He	427.764	ug/l	0.9	20000	
Fe	56	45	H2	4392.075	ug/l	0.2	500000	
Co	59	45	He	0.402	ug/l	6.8	2000	
Ni	60	45	He	0.391	ug/l	13.5	20000	
Cu	63	45	He	0.128	ug/l	20.1	20000	
Zn	66	45	He	-0.056	ug/l	N/A	20000	
As	75	74	He	2.526	ug/l	15.1	5000	
Se	78	74	H2	0.267	ug/l	18.1	3000	
Sr	88	115	He	40.293	ug/l	1.2	5000	
Mo	95	115	He	0.090	ug/l	12.6	2000	
Ag	107	115	He	0.001	ug/l	354.0	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.220	ug/l	56.4	2000	
Sb	121	115	He	0.077	ug/l	70.6	1000	
Ba	137	159	He	17.040	ug/l	4.5	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.195	ug/l	17.3		
[Pb]	207	209	He	0.217	ug/l	7.3		
Pb	208	209	He	0.217	ug/l	9.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5925119.08	1.0	87.3	60	125	
Sc (ISICPMS)	45	No Gas	7797356.13	1.1	104.4	60	125	
Sc (ISICPMS)	45	H2	2289558.75	1.0	110.3	60	125	
Sc (ISICPMS)	45	He	95380.22	0.4	102.2	60	125	
Ge (IS)	74	H2	431927.86	0.6	112.7	60	125	
Ge (IS)	74	He	56990.22	0.7	110.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127757.03	0.8	100.0	60	125	
Tb (IS)	159	He	616793.20	1.1	99.0	60	125	
Bi (IS)	209	He	413650.32	0.7	96.2	60	125	

Sample Report

File Name 157SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:55:39

Sample Name **460-303781-a-15-a@5**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.041	ug/l	31.3	2000	
B	11	6	No Gas	15.551	ug/l	2.9	2000	
Na	23	45	He	144509.518	ug/l	0.6	500000	
Mg	24	45	He	3841.330	ug/l	0.3	500000	
Al	27	45	He	122.611	ug/l	1.0	500000	
K	39	45	He	886.013	ug/l	2.9	500000	
Ca	40	45	H2	15901.366	ug/l	0.9	1000000	
Ti	47	45	No Gas	8.227	ug/l	2.7	10000	
V	51	45	He	5.790	ug/l	1.5	5000	
Cr	52	45	He	2.261	ug/l	14.7	20000	
Mn	55	45	He	321.189	ug/l	0.1	20000	
Fe	56	45	H2	2176.576	ug/l	0.7	500000	
Co	59	45	He	0.239	ug/l	12.2	2000	
Ni	60	45	He	1.296	ug/l	7.3	20000	
Cu	63	45	He	0.546	ug/l	20.7	20000	
Zn	66	45	He	3.061	ug/l	5.0	20000	
As	75	74	He	1.459	ug/l	11.7	5000	
Se	78	74	H2	0.275	ug/l	17.1	3000	
Sr	88	115	He	42.575	ug/l	4.6	5000	
Mo	95	115	He	0.149	ug/l	39.3	2000	
Ag	107	115	He	0.003	ug/l	115.9	1000	
Cd	111	115	He	0.013	ug/l	149.2	5000	
Sn	118	115	He	0.164	ug/l	40.3	2000	
Sb	121	115	He	0.073	ug/l	21.0	1000	
Ba	137	159	He	10.207	ug/l	4.7	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.586	ug/l	3.5		
[Pb]	207	209	He	0.588	ug/l	9.6		
Pb	208	209	He	0.580	ug/l	6.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5921725.95	1.0	87.3	60	125	
Sc (ISICPMS)	45	No Gas	7721064.12	0.7	103.3	60	125	
Sc (ISICPMS)	45	H2	2293452.71	0.5	110.4	60	125	
Sc (ISICPMS)	45	He	94655.60	0.5	101.5	60	125	
Ge (IS)	74	H2	435782.97	0.7	113.7	60	125	
Ge (IS)	74	He	58122.97	2.9	112.2	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126841.53	1.0	99.3	60	125	
Tb (IS)	159	He	610718.00	1.1	98.0	60	125	
Bi (IS)	209	He	412410.21	0.1	95.9	60	125	

Sample Report

File Name 158SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 16:58:07

Sample Name **460-303781-a-19-a@10**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.129	ug/l	8.4	2000	
B	11	6	No Gas	13.245	ug/l	1.0	2000	
Na	23	45	He	271279.619	ug/l	1.5	500000	
Mg	24	45	He	451.043	ug/l	2.0	500000	
Al	27	45	He	340.749	ug/l	2.5	500000	
K	39	45	He	339.138	ug/l	5.1	500000	
Ca	40	45	H2	769.032	ug/l	0.2	1000000	
Ti	47	45	No Gas	3.554	ug/l	6.1	10000	
V	51	45	He	5.911	ug/l	2.7	5000	
Cr	52	45	He	1.710	ug/l	14.1	20000	
Mn	55	45	He	15.962	ug/l	3.7	20000	
Fe	56	45	H2	765.453	ug/l	0.9	500000	
Co	59	45	He	0.860	ug/l	8.5	2000	
Ni	60	45	He	1.194	ug/l	8.2	20000	
Cu	63	45	He	2.081	ug/l	6.0	20000	
Zn	66	45	He	3.689	ug/l	23.4	20000	
As	75	74	He	0.754	ug/l	17.9	5000	
Se	78	74	H2	0.164	ug/l	0.4	3000	
Sr	88	115	He	6.084	ug/l	0.9	5000	
Mo	95	115	He	0.551	ug/l	13.7	2000	
Ag	107	115	He	0.006	ug/l	119.0	1000	
Cd	111	115	He	0.013	ug/l	149.5	5000	
Sn	118	115	He	0.133	ug/l	39.7	2000	
Sb	121	115	He	0.031	ug/l	30.0	1000	
Ba	137	159	He	2.895	ug/l	10.6	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	1.072	ug/l	7.2		
[Pb]	207	209	He	0.970	ug/l	2.9		
Pb	208	209	He	0.993	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5920558.94	1.3	87.2	60	125	
Sc (ISICPMS)	45	No Gas	7771216.13	0.7	104.0	60	125	
Sc (ISICPMS)	45	H2	2284076.42	1.0	110.0	60	125	
Sc (ISICPMS)	45	He	93666.35	0.8	100.4	60	125	
Ge (IS)	74	H2	421395.36	0.3	109.9	60	125	
Ge (IS)	74	He	56875.97	0.2	109.7	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126199.76	0.4	98.8	60	125	
Tb (IS)	159	He	616628.79	0.2	99.0	60	125	
Bi (IS)	209	He	404868.36	1.0	94.2	60	125	

Continuing Calibration Verification (CCV)

File Name 159_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:00:32

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.349	ug/l	1.8	100	90	110	
B	11	6	No Gas	257.177	ug/l	1.6	250	225	275	
Na	23	45	He	26121.104	ug/l	0.4	25000	22500	27500	
Mg	24	45	He	25254.638	ug/l	0.8	25000	22500	27500	
Al	27	45	He	24161.609	ug/l	0.4	25000	22500	27500	
K	39	45	He	25249.695	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	24236.558	ug/l	1.4	25000	22500	27500	
Ti	47	45	No Gas	95.959	ug/l	1.3	100	90	110	
V	51	45	He	99.346	ug/l	0.6	100	90	110	
Cr	52	45	He	100.061	ug/l	1.1	100	90	110	
Mn	55	45	He	99.937	ug/l	0.3	100	90	110	
Fe	56	45	H2	24967.796	ug/l	1.6	25000	22500	27500	
Co	59	45	He	102.520	ug/l	0.6	100	90	110	
Ni	60	45	He	102.659	ug/l	1.2	100	90	110	
Cu	63	45	He	100.911	ug/l	0.7	100	90	110	
Zn	66	45	He	250.545	ug/l	1.3	250	225	275	
As	75	74	He	96.585	ug/l	2.5	100	90	110	
Se	78	74	H2	99.755	ug/l	3.6	100	90	110	
Sr	88	115	He	97.949	ug/l	1.0	100	90	110	
Mo	95	115	He	101.603	ug/l	1.1	100	90	110	
Ag	107	115	He	51.543	ug/l	1.6	50	45	55	
Cd	111	115	He	99.931	ug/l	1.5	100	90	110	
Sn	118	115	He	101.304	ug/l	1.0	100	90	110	
Sb	121	115	He	98.538	ug/l	1.1	100	90	110	
Ba	137	159	He	100.153	ug/l	2.7	100	90	110	
Tl	205	209	He	99.359	ug/l	1.4	100	90	110	
[Pb]	206	209	He	100.650	ug/l	0.8				
[Pb]	207	209	He	98.911	ug/l	0.4				
Pb	208	209	He	99.097	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5953349.21	0.2	87.7	60	125	
Sc (ISICPMS)	45	No Gas	7771286.83	1.0	104.0	60	125	
Sc (ISICPMS)	45	H2	2294330.42	1.0	110.5	60	125	
Sc (ISICPMS)	45	He	93971.39	0.4	100.7	60	125	
Ge (IS)	74	H2	426586.82	0.3	111.3	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	57432.21	0.3	110.8	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	128566.75	1.0	100.6	60	125	
Tb (IS)	159	He	618845.50	0.6	99.3	60	125	
Bi (IS)	209	He	417959.79	0.7	97.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 160_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:03:00

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.014	ug/l	53.1	0.8	-0.8	0.8	
B	11	6	No Gas	2.260	ug/l	3.8	40	-40	40	
Na	23	45	He	101.053	ug/l	9.8	500	-500	500	
Mg	24	45	He	1.932	ug/l	28.6	200	-200	200	
Al	27	45	He	2.011	ug/l	88.9	40	-40	40	
K	39	45	He	31.196	ug/l	25.4	200	-200	200	
Ca	40	45	H2	1.280	ug/l	53.8	500	-500	500	
Ti	47	45	No Gas	0.197	ug/l	18.4	4	-4	4	
V	51	45	He	-0.382	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.031	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.090	ug/l	50.4	8	-8	8	
Fe	56	45	H2	2.612	ug/l	0.9	60	-60	60	
Co	59	45	He	0.019	ug/l	11.1	4	-4	4	
Ni	60	45	He	-0.087	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.130	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.078	ug/l	N/A	16	-16	16	
As	75	74	He	-0.014	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.009	ug/l	594.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.110	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.013	ug/l	316.9	4	-4	4	
Ag	107	115	He	0.009	ug/l	32.1	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.180	ug/l	8.5	16	-16	16	
Sb	121	115	He	0.013	ug/l	100.2	2	-2	2	
Ba	137	159	He	0.308	ug/l	23.1	4	-4	4	
Tl	205	209	He	0.008	ug/l	90.6	0.8	-0.8	0.8	
[Pb]	206	209	He	0.020	ug/l	38.1				
[Pb]	207	209	He	0.028	ug/l	80.4				
Pb	208	209	He	0.028	ug/l	9.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5931015.95	0.8	87.4	60	125	
Sc (ISICPMS)	45	No Gas	7837388.70	0.3	104.9	60	125	
Sc (ISICPMS)	45	H2	2309550.16	0.5	111.2	60	125	
Sc (ISICPMS)	45	He	95717.51	1.3	102.6	60	125	
Ge (IS)	74	H2	417048.94	0.9	108.8	60	125	
Ge (IS)	74	He	55901.26	1.3	107.9	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	129563.02	1.1	101.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	623025.65	0.5	100.0	60	125	
Bi (IS)	209	He	423563.97	1.3	98.5	60	125	

Sample Report

File Name 161SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:05:26

Sample Name **460-303892-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	67.3	2000	
B	11	6	No Gas	132.730	ug/l	0.7	2000	
Na	23	45	He	172374.617	ug/l	0.6	500000	
Mg	24	45	He	13785.431	ug/l	1.6	500000	
Al	27	45	He	29.809	ug/l	1.6	500000	
K	39	45	He	10306.177	ug/l	0.7	500000	
Ca	40	45	H2	39063.093	ug/l	1.5	1000000	
Ti	47	45	No Gas	0.728	ug/l	40.2	10000	
V	51	45	He	0.688	ug/l	25.0	5000	
Cr	52	45	He	-1.085	ug/l	N/A	20000	
Mn	55	45	He	1.968	ug/l	4.9	20000	
Fe	56	45	H2	12.119	ug/l	3.7	500000	
Co	59	45	He	0.073	ug/l	23.3	2000	
Ni	60	45	He	2.137	ug/l	10.5	20000	
Cu	63	45	He	10.309	ug/l	3.2	20000	
Zn	66	45	He	15.230	ug/l	1.9	20000	
As	75	74	He	0.247	ug/l	70.3	5000	
Se	78	74	H2	0.165	ug/l	73.4	3000	
Sr	88	115	He	181.023	ug/l	1.9	5000	
Mo	95	115	He	1.700	ug/l	3.6	2000	
Ag	107	115	He	0.472	ug/l	8.0	1000	
Cd	111	115	He	0.013	ug/l	1.0	5000	
Sn	118	115	He	0.129	ug/l	114.5	2000	
Sb	121	115	He	0.267	ug/l	51.3	1000	
Ba	137	159	He	36.150	ug/l	3.0	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	0.051	ug/l	47.2		
[Pb]	207	209	He	0.059	ug/l	7.0		
Pb	208	209	He	0.052	ug/l	29.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5954445.67	0.3	87.7	60	125	
Sc (ISICPMS)	45	No Gas	7888357.52	0.4	105.6	60	125	
Sc (ISICPMS)	45	H2	2347758.84	0.8	113.1	60	125	
Sc (ISICPMS)	45	He	96371.59	0.7	103.3	60	125	
Ge (IS)	74	H2	443851.37	0.8	115.8	60	125	
Ge (IS)	74	He	59118.46	2.6	114.1	60	125	
Kr	83	He	13.35	114.6	400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128067.96	0.6	100.2	60	125	
Tb (IS)	159	He	622664.61	0.6	99.9	60	125	
Bi (IS)	209	He	411663.78	0.3	95.8	60	125	

Sample Report

File Name 162SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:07:54

Sample Name **460-303893-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	2.4	2000	
B	11	6	No Gas	63.103	ug/l	0.5	2000	
Na	23	45	He	464124.289	ug/l	0.3	500000	>LDR 200.8
Mg	24	45	He	9870.459	ug/l	0.4	500000	
Al	27	45	He	267.431	ug/l	2.0	500000	
K	39	45	He	57022.923	ug/l	0.1	500000	
Ca	40	45	H2	60035.784	ug/l	1.4	1000000	
Ti	47	45	No Gas	26.809	ug/l	1.5	10000	
V	51	45	He	-0.080	ug/l	N/A	5000	
Cr	52	45	He	3.435	ug/l	3.6	20000	
Mn	55	45	He	48.263	ug/l	0.8	20000	
Fe	56	45	H2	1023.616	ug/l	1.0	500000	
Co	59	45	He	0.993	ug/l	1.3	2000	
Ni	60	45	He	5.442	ug/l	2.4	20000	
Cu	63	45	He	500.604	ug/l	0.7	20000	
Zn	66	45	He	971.340	ug/l	0.7	20000	
As	75	74	He	0.477	ug/l	32.6	5000	
Se	78	74	H2	0.545	ug/l	8.4	3000	
Sr	88	115	He	418.180	ug/l	0.9	5000	
Mo	95	115	He	1.962	ug/l	2.5	2000	
Ag	107	115	He	0.335	ug/l	10.0	1000	
Cd	111	115	He	0.268	ug/l	9.0	5000	
Sn	118	115	He	1.698	ug/l	15.7	2000	
Sb	121	115	He	1.214	ug/l	10.5	1000	
Ba	137	159	He	26.576	ug/l	3.1	20000	
Tl	205	209	He	-0.009	ug/l	N/A	1000	
[Pb]	206	209	He	4.503	ug/l	1.0		
[Pb]	207	209	He	4.457	ug/l	1.9		
Pb	208	209	He	4.530	ug/l	2.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5853110.05	1.3	86.2	60	125	
Sc (ISICPMS)	45	No Gas	7872818.49	0.6	105.4	60	125	
Sc (ISICPMS)	45	H2	2373523.14	0.7	114.3	60	125	
Sc (ISICPMS)	45	He	97257.82	0.4	104.2	60	125	
Ge (IS)	74	H2	451154.20	1.1	117.7	60	125	
Ge (IS)	74	He	60475.38	0.5	116.7	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129516.69	1.0	101.4	60	125	
Tb (IS)	159	He	622072.57	0.4	99.9	60	125	
Bi (IS)	209	He	410692.69	0.6	95.5	60	125	

Sample Report

File Name 163SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:10:21

Sample Name **460-303894-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	138.3	2000	
B	11	6	No Gas	57.793	ug/l	1.8	2000	
Na	23	45	He	65007.156	ug/l	0.4	500000	
Mg	24	45	He	4897.794	ug/l	0.7	500000	
Al	27	45	He	59.676	ug/l	6.4	500000	
K	39	45	He	3732.896	ug/l	0.2	500000	
Ca	40	45	H2	7512.934	ug/l	1.2	1000000	
Ti	47	45	No Gas	1.744	ug/l	10.1	10000	
V	51	45	He	1.072	ug/l	4.1	5000	
Cr	52	45	He	0.053	ug/l	343.2	20000	
Mn	55	45	He	1.002	ug/l	16.9	20000	
Fe	56	45	H2	57.832	ug/l	2.0	500000	
Co	59	45	He	0.051	ug/l	47.9	2000	
Ni	60	45	He	0.254	ug/l	101.6	20000	
Cu	63	45	He	16.352	ug/l	2.0	20000	
Zn	66	45	He	9.782	ug/l	10.6	20000	
As	75	74	He	7.478	ug/l	2.5	5000	
Se	78	74	H2	0.120	ug/l	27.5	3000	
Sr	88	115	He	53.457	ug/l	2.2	5000	
Mo	95	115	He	0.953	ug/l	5.2	2000	
Ag	107	115	He	0.010	ug/l	54.9	1000	
Cd	111	115	He	0.042	ug/l	89.3	5000	
Sn	118	115	He	0.732	ug/l	24.6	2000	
Sb	121	115	He	0.191	ug/l	3.6	1000	
Ba	137	159	He	2.720	ug/l	7.0	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.154	ug/l	19.7		
[Pb]	207	209	He	0.139	ug/l	8.9		
Pb	208	209	He	0.143	ug/l	7.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6104878.66	1.8	89.9	60	125	
Sc (ISICPMS)	45	No Gas	8129089.05	1.5	108.8	60	125	
Sc (ISICPMS)	45	H2	2411183.84	0.9	116.1	60	125	
Sc (ISICPMS)	45	He	100406.86	0.2	107.6	60	125	
Ge (IS)	74	H2	449954.96	1.7	117.4	60	125	
Ge (IS)	74	He	59587.84	1.2	115.0	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134116.63	0.7	105.0	60	125	
Tb (IS)	159	He	640548.75	0.2	102.8	60	125	
Bi (IS)	209	He	430247.64	0.7	100.1	60	125	

Sample Report

File Name 164SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:12:48

Sample Name **460-303894-a-2-a**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	66.9	2000	
B	11	6	No Gas	17.997	ug/l	2.6	2000	
Na	23	45	He	4049.533	ug/l	0.2	500000	
Mg	24	45	He	1142.061	ug/l	1.1	500000	
Al	27	45	He	22.442	ug/l	18.0	500000	
K	39	45	He	1128.220	ug/l	0.3	500000	
Ca	40	45	H2	11362.554	ug/l	1.8	1000000	
Ti	47	45	No Gas	0.773	ug/l	8.2	10000	
V	51	45	He	-0.023	ug/l	N/A	5000	
Cr	52	45	He	-0.513	ug/l	N/A	20000	
Mn	55	45	He	4.922	ug/l	5.9	20000	
Fe	56	45	H2	41.845	ug/l	1.4	500000	
Co	59	45	He	0.026	ug/l	47.0	2000	
Ni	60	45	He	0.192	ug/l	21.0	20000	
Cu	63	45	He	50.038	ug/l	2.2	20000	
Zn	66	45	He	26.093	ug/l	3.2	20000	
As	75	74	He	3.225	ug/l	4.2	5000	
Se	78	74	H2	0.076	ug/l	83.0	3000	
Sr	88	115	He	58.580	ug/l	2.7	5000	
Mo	95	115	He	0.579	ug/l	2.7	2000	
Ag	107	115	He	0.016	ug/l	30.5	1000	
Cd	111	115	He	0.030	ug/l	121.2	5000	
Sn	118	115	He	3.977	ug/l	3.7	2000	
Sb	121	115	He	0.250	ug/l	14.1	1000	
Ba	137	159	He	11.401	ug/l	0.6	20000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
[Pb]	206	209	He	0.625	ug/l	12.0		
[Pb]	207	209	He	0.587	ug/l	4.5		
Pb	208	209	He	0.565	ug/l	7.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6119368.38	0.3	90.2	60	125	
Sc (ISICPMS)	45	No Gas	8251662.38	0.3	110.4	60	125	
Sc (ISICPMS)	45	H2	2425805.78	0.7	116.8	60	125	
Sc (ISICPMS)	45	He	100139.23	0.3	107.3	60	125	
Ge (IS)	74	H2	458882.39	0.7	119.7	60	125	
Ge (IS)	74	He	61219.27	1.0	118.1	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135098.32	0.5	105.8	60	125	
Tb (IS)	159	He	641828.96	1.0	103.0	60	125	
Bi (IS)	209	He	437346.37	0.7	101.7	60	125	

Sample Report

File Name 165SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:15:15

Sample Name **460-303699-a-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.061	ug/l	29.9	2000	
B	11	6	No Gas	40.719	ug/l	2.3	2000	
Na	23	45	He	255274.274	ug/l	0.5	500000	
Mg	24	45	He	4329.633	ug/l	0.6	500000	
Al	27	45	He	88.760	ug/l	7.0	500000	
K	39	45	He	652.004	ug/l	1.1	500000	
Ca	40	45	H2	12333.151	ug/l	2.1	1000000	
Ti	47	45	No Gas	7.955	ug/l	7.0	10000	
V	51	45	He	27.152	ug/l	1.7	5000	
Cr	52	45	He	4.443	ug/l	4.6	20000	
Mn	55	45	He	282.212	ug/l	1.6	20000	
Fe	56	45	H2	41930.064	ug/l	1.3	500000	
Co	59	45	He	0.162	ug/l	13.1	2000	
Ni	60	45	He	0.146	ug/l	25.4	20000	
Cu	63	45	He	0.014	ug/l	260.6	20000	
Zn	66	45	He	1.117	ug/l	12.5	20000	
As	75	74	He	0.734	ug/l	45.6	5000	
Se	78	74	H2	0.290	ug/l	12.1	3000	
Sr	88	115	He	65.781	ug/l	0.9	5000	
Mo	95	115	He	0.260	ug/l	13.5	2000	
Ag	107	115	He	0.004	ug/l	98.5	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.913	ug/l	35.2	2000	
Sb	121	115	He	0.061	ug/l	7.5	1000	
Ba	137	159	He	9.311	ug/l	2.9	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.197	ug/l	21.9		
[Pb]	207	209	He	0.221	ug/l	18.3		
Pb	208	209	He	0.200	ug/l	18.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5749765.05	2.3	84.7	60	125	
Sc (ISICPMS)	45	No Gas	7804670.09	0.6	104.4	60	125	
Sc (ISICPMS)	45	H2	2307455.69	0.4	111.1	60	125	
Sc (ISICPMS)	45	He	95682.95	1.0	102.6	60	125	
Ge (IS)	74	H2	431027.84	1.4	112.4	60	125	
Ge (IS)	74	He	57107.28	2.4	110.2	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126083.70	0.7	98.7	60	125	
Tb (IS)	159	He	613545.23	0.4	98.5	60	125	
Bi (IS)	209	He	408992.39	0.3	95.1	60	125	

Sample Report

File Name 166SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:17:43

Sample Name **460-303699-a-2-a**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.117	ug/l	20.3	2000	
B	11	6	No Gas	8.449	ug/l	4.0	2000	
Na	23	45	He	92962.298	ug/l	0.7	500000	
Mg	24	45	He	5233.210	ug/l	0.8	500000	
Al	27	45	He	265.381	ug/l	4.4	500000	
K	39	45	He	1750.991	ug/l	1.0	500000	
Ca	40	45	H2	10985.056	ug/l	1.6	1000000	
Ti	47	45	No Gas	15.735	ug/l	2.7	10000	
V	51	45	He	0.647	ug/l	15.1	5000	
Cr	52	45	He	-0.357	ug/l	N/A	20000	
Mn	55	45	He	960.163	ug/l	0.5	20000	
Fe	56	45	H2	52948.171	ug/l	0.8	500000	
Co	59	45	He	0.216	ug/l	8.1	2000	
Ni	60	45	He	0.591	ug/l	10.9	20000	
Cu	63	45	He	3.961	ug/l	5.1	20000	
Zn	66	45	He	6.295	ug/l	13.5	20000	
As	75	74	He	1.279	ug/l	11.7	5000	
Se	78	74	H2	0.079	ug/l	23.3	3000	
Sr	88	115	He	100.482	ug/l	1.3	5000	
Mo	95	115	He	0.100	ug/l	58.8	2000	
Ag	107	115	He	0.007	ug/l	32.2	1000	
Cd	111	115	He	0.031	ug/l	209.2	5000	
Sn	118	115	He	80.672	ug/l	1.3	2000	
Sb	121	115	He	0.065	ug/l	42.4	1000	
Ba	137	159	He	68.445	ug/l	2.7	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	1.700	ug/l	7.0		
[Pb]	207	209	He	1.627	ug/l	8.7		
Pb	208	209	He	1.634	ug/l	4.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6131317.68	0.9	90.3	60	125	
Sc (ISICPMS)	45	No Gas	7851703.84	0.6	105.1	60	125	
Sc (ISICPMS)	45	H2	2346278.12	1.1	113.0	60	125	
Sc (ISICPMS)	45	He	97772.35	0.5	104.8	60	125	
Ge (IS)	74	H2	444682.46	1.3	116.0	60	125	
Ge (IS)	74	He	59962.44	1.7	115.7	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130531.46	0.3	102.2	60	125	
Tb (IS)	159	He	628753.04	0.6	100.9	60	125	
Bi (IS)	209	He	421593.17	1.2	98.1	60	125	

Sample Report

File Name 167SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:20:11

Sample Name **460-303699-a-3-a**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.152	ug/l	26.7	2000	
B	11	6	No Gas	8.426	ug/l	2.3	2000	
Na	23	45	He	45084.549	ug/l	0.4	500000	
Mg	24	45	He	3229.444	ug/l	0.6	500000	
Al	27	45	He	135.260	ug/l	4.8	500000	
K	39	45	He	1405.293	ug/l	1.1	500000	
Ca	40	45	H2	6308.176	ug/l	0.1	1000000	
Ti	47	45	No Gas	8.874	ug/l	1.5	10000	
V	51	45	He	-0.146	ug/l	N/A	5000	
Cr	52	45	He	-0.726	ug/l	N/A	20000	
Mn	55	45	He	598.435	ug/l	0.5	20000	
Fe	56	45	H2	44921.131	ug/l	0.3	500000	
Co	59	45	He	1.161	ug/l	3.8	2000	
Ni	60	45	He	1.937	ug/l	2.8	20000	
Cu	63	45	He	0.619	ug/l	24.9	20000	
Zn	66	45	He	21.613	ug/l	2.6	20000	
As	75	74	He	2.403	ug/l	9.2	5000	
Se	78	74	H2	0.016	ug/l	416.1	3000	
Sr	88	115	He	96.338	ug/l	0.8	5000	
Mo	95	115	He	0.068	ug/l	54.0	2000	
Ag	107	115	He	0.017	ug/l	22.1	1000	
Cd	111	115	He	0.055	ug/l	19.1	5000	
Sn	118	115	He	34.584	ug/l	1.2	2000	
Sb	121	115	He	0.100	ug/l	37.9	1000	
Ba	137	159	He	96.773	ug/l	2.3	20000	
Tl	205	209	He	0.044	ug/l	6.6	1000	
[Pb]	206	209	He	0.255	ug/l	7.3		
[Pb]	207	209	He	0.186	ug/l	25.1		
Pb	208	209	He	0.231	ug/l	8.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6026608.80	1.9	88.8	60	125	
Sc (ISICPMS)	45	No Gas	8028420.58	0.9	107.4	60	125	
Sc (ISICPMS)	45	H2	2350243.80	0.7	113.2	60	125	
Sc (ISICPMS)	45	He	97131.30	0.7	104.1	60	125	
Ge (IS)	74	H2	448293.45	0.7	116.9	60	125	
Ge (IS)	74	He	59288.95	0.1	114.4	60	125	
Kr	83	He	10.01	173.2	300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130740.35	0.7	102.3	60	125	
Tb (IS)	159	He	629441.25	0.6	101.0	60	125	
Bi (IS)	209	He	424748.44	0.7	98.8	60	125	

Sample Report

File Name 168SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:22:39

Sample Name **460-303699-a-4-a@5**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.625	ug/l	2.4	2000	
B	11	6	No Gas	20.838	ug/l	3.7	2000	
Na	23	45	He	477963.362	ug/l	1.2	500000	>LDR 200.8
Mg	24	45	He	94.305	ug/l	3.1	500000	
Al	27	45	He	1001.013	ug/l	1.2	500000	
K	39	45	He	437.215	ug/l	6.1	500000	
Ca	40	45	H2	449.747	ug/l	1.0	1000000	
Ti	47	45	No Gas	47.089	ug/l	2.2	10000	
V	51	45	He	59.509	ug/l	1.6	5000	
Cr	52	45	He	29.232	ug/l	2.0	20000	
Mn	55	45	He	7.407	ug/l	4.8	20000	
Fe	56	45	H2	2463.736	ug/l	1.3	500000	
Co	59	45	He	0.093	ug/l	11.1	2000	
Ni	60	45	He	0.618	ug/l	5.5	20000	
Cu	63	45	He	0.269	ug/l	7.7	20000	
Zn	66	45	He	2.171	ug/l	19.8	20000	
As	75	74	He	6.393	ug/l	5.7	5000	
Se	78	74	H2	0.709	ug/l	30.7	3000	
Sr	88	115	He	3.367	ug/l	10.2	5000	
Mo	95	115	He	3.578	ug/l	4.3	2000	
Ag	107	115	He	0.006	ug/l	57.9	1000	
Cd	111	115	He	0.019	ug/l	152.8	5000	
Sn	118	115	He	0.222	ug/l	43.1	2000	
Sb	121	115	He	0.162	ug/l	21.5	1000	
Ba	137	159	He	7.094	ug/l	13.2	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.477	ug/l	14.6		
[Pb]	207	209	He	0.473	ug/l	8.6		
Pb	208	209	He	0.475	ug/l	1.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5796388.39	2.1	85.4	60	125	
Sc (ISICPMS)	45	No Gas	7722159.81	1.1	103.3	60	125	
Sc (ISICPMS)	45	H2	2280278.01	0.2	109.8	60	125	
Sc (ISICPMS)	45	He	95927.16	0.5	102.8	60	125	
Ge (IS)	74	H2	434449.62	0.8	113.3	60	125	
Ge (IS)	74	He	57998.59	1.3	111.9	60	125	
Kr	83	He	36.70	41.7	1100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125570.72	0.7	98.3	60	125	
Tb (IS)	159	He	619938.40	0.2	99.5	60	125	
Bi (IS)	209	He	406409.63	0.9	94.5	60	125	

Sample Report

File Name 169SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:25:07

Sample Name **460-303699-e-6-a**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.624	ug/l	4.6	2000	
B	11	6	No Gas	243.461	ug/l	0.8	2000	
Na	23	45	He	1692498.014	ug/l	1.0	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	464.381	ug/l	0.3	500000	
Al	27	45	He	9744.257	ug/l	1.2	500000	
K	39	45	He	4507.593	ug/l	1.9	500000	
Ca	40	45	H2	9055.988	ug/l	1.3	1000000	
Ti	47	45	No Gas	140.926	ug/l	0.5	10000	
V	51	45	He	134.136	ug/l	1.0	5000	
Cr	52	45	He	82.195	ug/l	1.5	20000	
Mn	55	45	He	27.518	ug/l	2.7	20000	
Fe	56	45	H2	19920.337	ug/l	1.2	500000	
Co	59	45	He	2.203	ug/l	3.4	2000	
Ni	60	45	He	15.397	ug/l	1.8	20000	
Cu	63	45	He	169.415	ug/l	1.4	20000	
Zn	66	45	He	97.814	ug/l	0.9	20000	
As	75	74	He	17.771	ug/l	6.8	5000	
Se	78	74	H2	6.057	ug/l	2.5	3000	
Sr	88	115	He	48.561	ug/l	0.9	5000	
Mo	95	115	He	11.082	ug/l	4.3	2000	
Ag	107	115	He	1.114	ug/l	6.2	1000	
Cd	111	115	He	1.265	ug/l	11.6	5000	
Sn	118	115	He	1.074	ug/l	9.4	2000	
Sb	121	115	He	3.779	ug/l	7.0	1000	
Ba	137	159	He	19.604	ug/l	2.4	20000	
Tl	205	209	He	0.322	ug/l	4.1	1000	
[Pb]	206	209	He	53.565	ug/l	3.0		
[Pb]	207	209	He	51.321	ug/l	0.3		
Pb	208	209	He	51.890	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5593328.39	1.0	82.4	60	125	
Sc (ISICPMS)	45	No Gas	7748753.64	0.5	103.7	60	125	
Sc (ISICPMS)	45	H2	2314374.48	1.0	111.4	60	125	
Sc (ISICPMS)	45	He	96575.26	0.8	103.5	60	125	
Ge (IS)	74	H2	430832.46	0.8	112.4	60	125	
Ge (IS)	74	He	57275.22	0.6	110.5	60	125	
Kr	83	He	16.68	91.7	500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123899.25	0.5	97.0	60	125	
Tb (IS)	159	He	606890.73	0.5	97.4	60	125	
Bi (IS)	209	He	388314.30	0.7	90.3	60	125	

Sample Report

File Name 170SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:27:35

Sample Name **460-303699-d-7-a**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	227.6	2000	
B	11	6	No Gas	2.860	ug/l	4.9	2000	
Na	23	45	He	379.172	ug/l	1.3	500000	
Mg	24	45	He	-0.163	ug/l	N/A	500000	
Al	27	45	He	3.944	ug/l	27.6	500000	
K	39	45	He	34.127	ug/l	21.9	500000	
Ca	40	45	H2	-1.339	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.406	ug/l	N/A	10000	
V	51	45	He	-0.503	ug/l	N/A	5000	
Cr	52	45	He	-1.263	ug/l	N/A	20000	
Mn	55	45	He	-0.019	ug/l	N/A	20000	
Fe	56	45	H2	6.359	ug/l	2.8	500000	
Co	59	45	He	0.014	ug/l	74.3	2000	
Ni	60	45	He	0.264	ug/l	56.6	20000	
Cu	63	45	He	0.939	ug/l	3.2	20000	
Zn	66	45	He	-1.297	ug/l	N/A	20000	
As	75	74	He	-0.067	ug/l	N/A	5000	
Se	78	74	H2	0.061	ug/l	92.0	3000	
Sr	88	115	He	-0.065	ug/l	N/A	5000	
Mo	95	115	He	0.014	ug/l	116.3	2000	
Ag	107	115	He	0.003	ug/l	201.8	1000	
Cd	111	115	He	0.005	ug/l	187.4	5000	
Sn	118	115	He	-0.052	ug/l	N/A	2000	
Sb	121	115	He	0.008	ug/l	275.4	1000	
Ba	137	159	He	0.257	ug/l	6.3	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.017	ug/l	59.6		
[Pb]	207	209	He	0.068	ug/l	26.4		
Pb	208	209	He	0.038	ug/l	17.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6129586.23	0.8	90.3	60	125	
Sc (ISICPMS)	45	No Gas	8183101.89	0.2	109.5	60	125	
Sc (ISICPMS)	45	H2	2448283.05	1.2	117.9	60	125	
Sc (ISICPMS)	45	He	100021.55	0.8	107.2	60	125	
Ge (IS)	74	H2	430337.91	0.2	112.3	60	125	
Ge (IS)	74	He	57007.07	1.0	110.0	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136727.63	0.5	107.0	60	125	
Tb (IS)	159	He	648582.69	1.1	104.1	60	125	
Bi (IS)	209	He	443952.96	1.4	103.3	60	125	

Continuing Calibration Verification (CCV)

File Name 171_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:30:01

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.162	ug/l	3.2	100	90	110	
B	11	6	No Gas	256.978	ug/l	2.6	250	225	275	
Na	23	45	He	25417.607	ug/l	0.5	25000	22500	27500	
Mg	24	45	He	24915.075	ug/l	0.6	25000	22500	27500	
Al	27	45	He	23198.904	ug/l	0.6	25000	22500	27500	
K	39	45	He	24716.257	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	24553.291	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	95.105	ug/l	0.5	100	90	110	
V	51	45	He	98.033	ug/l	1.2	100	90	110	
Cr	52	45	He	99.722	ug/l	0.3	100	90	110	
Mn	55	45	He	97.683	ug/l	1.6	100	90	110	
Fe	56	45	H2	25072.621	ug/l	1.9	25000	22500	27500	
Co	59	45	He	99.950	ug/l	1.1	100	90	110	
Ni	60	45	He	100.178	ug/l	1.6	100	90	110	
Cu	63	45	He	98.811	ug/l	1.9	100	90	110	
Zn	66	45	He	245.646	ug/l	1.2	250	225	275	
As	75	74	He	96.115	ug/l	2.3	100	90	110	
Se	78	74	H2	100.902	ug/l	2.5	100	90	110	
Sr	88	115	He	97.778	ug/l	1.4	100	90	110	
Mo	95	115	He	103.174	ug/l	0.3	100	90	110	
Ag	107	115	He	51.476	ug/l	0.4	50	45	55	
Cd	111	115	He	100.302	ug/l	0.7	100	90	110	
Sn	118	115	He	101.148	ug/l	0.2	100	90	110	
Sb	121	115	He	99.600	ug/l	0.6	100	90	110	
Ba	137	159	He	97.106	ug/l	2.2	100	90	110	
Tl	205	209	He	98.554	ug/l	1.2	100	90	110	
[Pb]	206	209	He	99.963	ug/l	0.6				
[Pb]	207	209	He	97.945	ug/l	1.2				
Pb	208	209	He	99.012	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5840899.50	2.4	86.1	60	125	
Sc (ISICPMS)	45	No Gas	7919262.80	0.9	106.0	60	125	
Sc (ISICPMS)	45	H2	2349956.96	0.7	113.2	60	125	
Sc (ISICPMS)	45	He	96558.91	0.2	103.5	60	125	
Ge (IS)	74	H2	435310.03	0.3	113.6	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	57777.79	2.0	111.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	128178.21	0.4	100.3	60	125	
Tb (IS)	159	He	625151.30	0.5	100.3	60	125	
Bi (IS)	209	He	418788.23	0.5	97.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 172_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:32:28

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.003	ug/l	227.5	0.8	-0.8	0.8	
B	11	6	No Gas	2.812	ug/l	8.5	40	-40	40	
Na	23	45	He	141.631	ug/l	0.7	500	-500	500	
Mg	24	45	He	0.730	ug/l	71.9	200	-200	200	
Al	27	45	He	0.577	ug/l	100.0	40	-40	40	
K	39	45	He	41.842	ug/l	11.1	200	-200	200	
Ca	40	45	H2	0.641	ug/l	188.0	500	-500	500	
Ti	47	45	No Gas	0.151	ug/l	13.0	4	-4	4	
V	51	45	He	-0.400	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.115	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.024	ug/l	215.8	8	-8	8	
Fe	56	45	H2	1.568	ug/l	12.7	60	-60	60	
Co	59	45	He	0.020	ug/l	23.5	4	-4	4	
Ni	60	45	He	0.083	ug/l	89.4	4	-4	4	
Cu	63	45	He	-0.157	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.224	ug/l	N/A	16	-16	16	
As	75	74	He	-0.048	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.107	ug/l	18.4	2.5	-2.5	2.5	
Sr	88	115	He	-0.054	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.026	ug/l	178.6	4	-4	4	
Ag	107	115	He	0.001	ug/l	196.1	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.083	ug/l	164.6	16	-16	16	
Sb	121	115	He	0.003	ug/l	1318.2	2	-2	2	
Ba	137	159	He	0.251	ug/l	6.4	4	-4	4	
Tl	205	209	He	-0.005	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.017	ug/l	202.2				
[Pb]	207	209	He	0.024	ug/l	15.6				
Pb	208	209	He	0.023	ug/l	29.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5666508.66	1.3	83.5	60	125	
Sc (ISICPMS)	45	No Gas	7994496.41	0.3	107.0	60	125	
Sc (ISICPMS)	45	H2	2350470.64	0.4	113.2	60	125	
Sc (ISICPMS)	45	He	97798.48	1.2	104.8	60	125	
Ge (IS)	74	H2	423930.38	0.6	110.6	60	125	
Ge (IS)	74	He	56203.00	1.0	108.4	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	132181.27	1.6	103.5	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	623238.17	1.1	100.0	60	125	
Bi (IS)	209	He	430813.90	0.3	100.2	60	125	

Sample Report

File Name 173SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:34:55

Sample Name **460-303773-d-2-a**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	64.1	2000	
B	11	6	No Gas	110.635	ug/l	0.6	2000	
Na	23	45	He	20342.334	ug/l	1.4	500000	
Mg	24	45	He	29834.678	ug/l	1.3	500000	
Al	27	45	He	19.079	ug/l	1.8	500000	
K	39	45	He	11194.981	ug/l	2.0	500000	
Ca	40	45	H2	133050.558	ug/l	0.7	1000000	
Ti	47	45	No Gas	0.447	ug/l	19.8	10000	
V	51	45	He	0.126	ug/l	77.5	5000	
Cr	52	45	He	-0.927	ug/l	N/A	20000	
Mn	55	45	He	1.490	ug/l	11.2	20000	
Fe	56	45	H2	47.772	ug/l	1.0	500000	
Co	59	45	He	0.074	ug/l	8.2	2000	
Ni	60	45	He	1.401	ug/l	19.2	20000	
Cu	63	45	He	3.621	ug/l	3.3	20000	
Zn	66	45	He	1.993	ug/l	27.6	20000	
As	75	74	He	0.298	ug/l	49.2	5000	
Se	78	74	H2	0.091	ug/l	34.3	3000	
Sr	88	115	He	996.057	ug/l	0.9	5000	
Mo	95	115	He	0.606	ug/l	5.0	2000	
Ag	107	115	He	0.068	ug/l	22.9	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.029	ug/l	133.5	2000	
Sb	121	115	He	0.035	ug/l	109.2	1000	
Ba	137	159	He	21.694	ug/l	0.3	20000	
Tl	205	209	He	0.026	ug/l	6.1	1000	
[Pb]	206	209	He	0.818	ug/l	5.2		
[Pb]	207	209	He	0.858	ug/l	7.1		
Pb	208	209	He	0.819	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5869552.76	0.5	86.5	60	125	
Sc (ISICPMS)	45	No Gas	8140895.36	0.4	108.9	60	125	
Sc (ISICPMS)	45	H2	2404190.61	0.8	115.8	60	125	
Sc (ISICPMS)	45	He	101347.02	0.8	108.6	60	125	
Ge (IS)	74	H2	440061.44	0.5	114.8	60	125	
Ge (IS)	74	He	59218.40	0.7	114.3	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133692.24	0.7	104.7	60	125	
Tb (IS)	159	He	635325.50	0.6	102.0	60	125	
Bi (IS)	209	He	427227.63	0.4	99.4	60	125	

Sample Report

File Name 174SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:37:23

Sample Name **460-303773-e-3-a**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.398	ug/l	5.8	2000	
B	11	6	No Gas	32.473	ug/l	1.3	2000	
Na	23	45	He	144032.386	ug/l	0.9	500000	
Mg	24	45	He	14795.131	ug/l	1.4	500000	
Al	27	45	He	560.261	ug/l	2.0	500000	
K	39	45	He	3687.436	ug/l	1.3	500000	
Ca	40	45	H2	12915.503	ug/l	1.3	1000000	
Ti	47	45	No Gas	5.453	ug/l	43.3	10000	
V	51	45	He	1.137	ug/l	10.3	5000	
Cr	52	45	He	-0.173	ug/l	N/A	20000	
Mn	55	45	He	92.702	ug/l	1.4	20000	
Fe	56	45	H2	848.921	ug/l	1.5	500000	
Co	59	45	He	7.975	ug/l	1.0	2000	
Ni	60	45	He	8.440	ug/l	4.4	20000	
Cu	63	45	He	4.694	ug/l	0.8	20000	
Zn	66	45	He	25.881	ug/l	0.6	20000	
As	75	74	He	0.252	ug/l	29.2	5000	
Se	78	74	H2	0.243	ug/l	57.5	3000	
Sr	88	115	He	192.141	ug/l	1.6	5000	
Mo	95	115	He	0.106	ug/l	9.4	2000	
Ag	107	115	He	0.389	ug/l	5.9	1000	
Cd	111	115	He	18.527	ug/l	1.4	5000	
Sn	118	115	He	0.174	ug/l	96.4	2000	
Sb	121	115	He	0.041	ug/l	107.6	1000	
Ba	137	159	He	143.044	ug/l	2.1	20000	
Tl	205	209	He	0.037	ug/l	20.9	1000	
[Pb]	206	209	He	1.090	ug/l	1.4		
[Pb]	207	209	He	1.015	ug/l	4.8		
Pb	208	209	He	1.076	ug/l	1.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5858767.06	1.1	86.3	60	125	
Sc (ISICPMS)	45	No Gas	8158329.88	0.5	109.2	60	125	
Sc (ISICPMS)	45	H2	2416940.59	1.1	116.4	60	125	
Sc (ISICPMS)	45	He	100239.78	0.9	107.4	60	125	
Ge (IS)	74	H2	450709.05	1.3	117.6	60	125	
Ge (IS)	74	He	61041.90	1.8	117.8	60	125	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130773.84	0.3	102.4	60	125	
Tb (IS)	159	He	634810.72	0.7	101.9	60	125	
Bi (IS)	209	He	421714.68	0.6	98.1	60	125	

Sample Report

File Name 175SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:39:50

Sample Name **460-303900-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	40.3	2000	
B	11	6	No Gas	11.075	ug/l	2.5	2000	
Na	23	45	He	269662.085	ug/l	0.5	500000	
Mg	24	45	He	4743.813	ug/l	1.6	500000	
Al	27	45	He	147.357	ug/l	1.1	500000	
K	39	45	He	4863.755	ug/l	0.9	500000	
Ca	40	45	H2	83740.146	ug/l	1.0	1000000	
Ti	47	45	No Gas	16.940	ug/l	1.8	10000	
V	51	45	He	1.683	ug/l	12.7	5000	
Cr	52	45	He	4.806	ug/l	5.7	20000	
Mn	55	45	He	9.477	ug/l	1.9	20000	
Fe	56	45	H2	1072.118	ug/l	0.7	500000	
Co	59	45	He	0.140	ug/l	14.6	2000	
Ni	60	45	He	2.569	ug/l	8.9	20000	
Cu	63	45	He	24.890	ug/l	1.0	20000	
Zn	66	45	He	63.124	ug/l	1.9	20000	
As	75	74	He	0.005	ug/l	1505.5	5000	
Se	78	74	H2	0.097	ug/l	110.7	3000	
Sr	88	115	He	65.279	ug/l	1.9	5000	
Mo	95	115	He	0.828	ug/l	3.4	2000	
Ag	107	115	He	0.030	ug/l	6.4	1000	
Cd	111	115	He	0.049	ug/l	65.9	5000	
Sn	118	115	He	4.942	ug/l	6.0	2000	
Sb	121	115	He	0.408	ug/l	8.8	1000	
Ba	137	159	He	9.917	ug/l	9.2	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	1.260	ug/l	8.4		
[Pb]	207	209	He	1.212	ug/l	7.0		
Pb	208	209	He	1.239	ug/l	5.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5953913.80	1.0	87.7	60	125	
Sc (ISICPMS)	45	No Gas	8035578.07	0.3	107.5	60	125	
Sc (ISICPMS)	45	H2	2424623.05	1.1	116.8	60	125	
Sc (ISICPMS)	45	He	99805.76	0.5	107.0	60	125	
Ge (IS)	74	H2	455410.02	0.9	118.8	60	125	
Ge (IS)	74	He	60200.51	0.7	116.2	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131150.75	0.6	102.7	60	125	
Tb (IS)	159	He	626801.12	1.3	100.6	60	125	
Bi (IS)	209	He	420613.35	1.5	97.8	60	125	

Sample Report

File Name 176SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:42:18

Sample Name **460-303900-a-2-a**

Comment ---

Dilution **1.0000**

Vial # 3202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	65.6	2000	
B	11	6	No Gas	12.496	ug/l	2.6	2000	
Na	23	45	He	56462.359	ug/l	1.2	500000	
Mg	24	45	He	5818.961	ug/l	1.1	500000	
Al	27	45	He	182.396	ug/l	1.5	500000	
K	39	45	He	1012.515	ug/l	2.7	500000	
Ca	40	45	H2	137239.494	ug/l	0.6	1000000	
Ti	47	45	No Gas	10.914	ug/l	1.5	10000	
V	51	45	He	2.456	ug/l	5.6	5000	
Cr	52	45	He	5.010	ug/l	3.4	20000	
Mn	55	45	He	11.136	ug/l	3.2	20000	
Fe	56	45	H2	1052.931	ug/l	0.4	500000	
Co	59	45	He	0.130	ug/l	14.0	2000	
Ni	60	45	He	2.129	ug/l	2.4	20000	
Cu	63	45	He	20.070	ug/l	1.1	20000	
Zn	66	45	He	31.344	ug/l	3.5	20000	
As	75	74	He	0.102	ug/l	146.7	5000	
Se	78	74	H2	0.171	ug/l	28.2	3000	
Sr	88	115	He	93.360	ug/l	2.2	5000	
Mo	95	115	He	0.751	ug/l	4.0	2000	
Ag	107	115	He	0.022	ug/l	34.5	1000	
Cd	111	115	He	0.067	ug/l	55.6	5000	
Sn	118	115	He	1.881	ug/l	11.2	2000	
Sb	121	115	He	0.317	ug/l	12.8	1000	
Ba	137	159	He	13.366	ug/l	3.9	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	3.151	ug/l	3.0		
[Pb]	207	209	He	2.982	ug/l	7.7		
Pb	208	209	He	3.001	ug/l	2.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5836088.38	2.0	86.0	60	125	
Sc (ISICPMS)	45	No Gas	8116489.60	0.8	108.6	60	125	
Sc (ISICPMS)	45	H2	2413056.89	0.6	116.2	60	125	
Sc (ISICPMS)	45	He	99042.12	0.6	106.2	60	125	
Ge (IS)	74	H2	452185.66	0.5	118.0	60	125	
Ge (IS)	74	He	60009.83	1.6	115.8	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131657.89	1.0	103.1	60	125	
Tb (IS)	159	He	622196.30	0.5	99.9	60	125	
Bi (IS)	209	He	421931.90	0.7	98.1	60	125	

Sample Report

File Name 177SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:44:46

Sample Name **460-303903-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	290.7	2000	
B	11	6	No Gas	13.802	ug/l	2.2	2000	
Na	23	45	He	40976.884	ug/l	1.0	500000	
Mg	24	45	He	2721.155	ug/l	1.3	500000	
Al	27	45	He	28.027	ug/l	3.5	500000	
K	39	45	He	785.481	ug/l	2.1	500000	
Ca	40	45	H2	11547.582	ug/l	1.2	1000000	
Ti	47	45	No Gas	0.845	ug/l	14.2	10000	
V	51	45	He	-0.340	ug/l	N/A	5000	
Cr	52	45	He	-1.111	ug/l	N/A	20000	
Mn	55	45	He	13.233	ug/l	4.4	20000	
Fe	56	45	H2	62.639	ug/l	3.4	500000	
Co	59	45	He	0.020	ug/l	22.1	2000	
Ni	60	45	He	0.232	ug/l	49.6	20000	
Cu	63	45	He	6.439	ug/l	1.7	20000	
Zn	66	45	He	53.194	ug/l	1.6	20000	
As	75	74	He	0.077	ug/l	59.3	5000	
Se	78	74	H2	0.086	ug/l	35.9	3000	
Sr	88	115	He	34.100	ug/l	3.1	5000	
Mo	95	115	He	337.616	ug/l	0.8	2000	
Ag	107	115	He	0.048	ug/l	11.2	1000	
Cd	111	115	He	0.041	ug/l	49.3	5000	
Sn	118	115	He	-0.054	ug/l	N/A	2000	
Sb	121	115	He	0.130	ug/l	60.1	1000	
Ba	137	159	He	7.171	ug/l	3.8	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	0.254	ug/l	13.7		
[Pb]	207	209	He	0.276	ug/l	24.9		
Pb	208	209	He	0.242	ug/l	7.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5952236.16	1.4	87.7	60	125	
Sc (ISICPMS)	45	No Gas	8283434.25	1.1	110.9	60	125	
Sc (ISICPMS)	45	H2	2449471.18	1.1	118.0	60	125	
Sc (ISICPMS)	45	He	101771.10	0.6	109.1	60	125	
Ge (IS)	74	H2	460435.64	1.2	120.1	60	125	
Ge (IS)	74	He	61634.98	0.5	118.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136488.97	0.6	106.8	60	125	
Tb (IS)	159	He	643074.58	0.3	103.2	60	125	
Bi (IS)	209	He	432562.02	1.2	100.6	60	125	

Sample Report

File Name 178SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:47:14

Sample Name **460-303913-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	64.0	2000	
B	11	6	No Gas	25.945	ug/l	2.3	2000	
Na	23	45	He	643130.662	ug/l	0.9	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	3611.007	ug/l	1.7	500000	
Al	27	45	He	471.898	ug/l	1.4	500000	
K	39	45	He	63026.273	ug/l	1.5	500000	
Ca	40	45	H2	12029.054	ug/l	2.0	1000000	
Ti	47	45	No Gas	27.403	ug/l	1.0	10000	
V	51	45	He	5.914	ug/l	3.1	5000	
Cr	52	45	He	6.008	ug/l	4.1	20000	
Mn	55	45	He	35.831	ug/l	2.4	20000	
Fe	56	45	H2	1741.693	ug/l	1.8	500000	
Co	59	45	He	0.821	ug/l	8.0	2000	
Ni	60	45	He	6.851	ug/l	4.7	20000	
Cu	63	45	He	487.000	ug/l	0.7	20000	
Zn	66	45	He	464.770	ug/l	1.7	20000	
As	75	74	He	0.545	ug/l	44.1	5000	
Se	78	74	H2	0.079	ug/l	100.3	3000	
Sr	88	115	He	42.297	ug/l	1.9	5000	
Mo	95	115	He	2.045	ug/l	8.4	2000	
Ag	107	115	He	0.092	ug/l	25.7	1000	
Cd	111	115	He	0.321	ug/l	18.3	5000	
Sn	118	115	He	52.250	ug/l	1.5	2000	
Sb	121	115	He	1.396	ug/l	12.6	1000	
Ba	137	159	He	34.476	ug/l	3.5	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	10.275	ug/l	3.3		
[Pb]	207	209	He	9.970	ug/l	1.0		
Pb	208	209	He	10.039	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5692502.90	1.7	83.9	60	125	
Sc (ISICPMS)	45	No Gas	8017957.52	2.3	107.3	60	125	
Sc (ISICPMS)	45	H2	2362009.58	0.4	113.7	60	125	
Sc (ISICPMS)	45	He	95127.37	0.5	102.0	60	125	
Ge (IS)	74	H2	446483.12	0.2	116.5	60	125	
Ge (IS)	74	He	58759.44	0.5	113.4	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126105.88	0.4	98.7	60	125	
Tb (IS)	159	He	608076.90	0.6	97.6	60	125	
Bi (IS)	209	He	400192.55	0.8	93.1	60	125	

Sample Report

File Name 179SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:49:40

Sample Name **460-303901-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	94.5	2000	
B	11	6	No Gas	45.883	ug/l	0.7	2000	
Na	23	45	He	546941.907	ug/l	1.3	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	3627.863	ug/l	0.8	500000	
Al	27	45	He	396.020	ug/l	1.3	500000	
K	39	45	He	76888.361	ug/l	0.3	500000	
Ca	40	45	H2	10485.088	ug/l	0.9	1000000	
Ti	47	45	No Gas	27.403	ug/l	2.3	10000	
V	51	45	He	0.386	ug/l	14.1	5000	
Cr	52	45	He	15.646	ug/l	1.6	20000	
Mn	55	45	He	34.441	ug/l	0.8	20000	
Fe	56	45	H2	3767.150	ug/l	0.8	500000	
Co	59	45	He	1.212	ug/l	8.0	2000	
Ni	60	45	He	19.628	ug/l	1.2	20000	
Cu	63	45	He	350.886	ug/l	0.1	20000	
Zn	66	45	He	594.870	ug/l	1.2	20000	
As	75	74	He	0.331	ug/l	39.4	5000	
Se	78	74	H2	0.502	ug/l	25.5	3000	
Sr	88	115	He	42.866	ug/l	3.3	5000	
Mo	95	115	He	2.528	ug/l	5.9	2000	
Ag	107	115	He	0.078	ug/l	18.6	1000	
Cd	111	115	He	0.283	ug/l	4.1	5000	
Sn	118	115	He	1.708	ug/l	23.2	2000	
Sb	121	115	He	1.004	ug/l	4.6	1000	
Ba	137	159	He	30.311	ug/l	5.5	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	13.117	ug/l	2.9		
[Pb]	207	209	He	13.005	ug/l	2.4		
Pb	208	209	He	13.021	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5799736.51	1.1	85.5	60	125	
Sc (ISICPMS)	45	No Gas	7985354.47	1.8	106.9	60	125	
Sc (ISICPMS)	45	H2	2384849.81	0.7	114.8	60	125	
Sc (ISICPMS)	45	He	97644.72	0.5	104.7	60	125	
Ge (IS)	74	H2	453269.65	0.8	118.2	60	125	
Ge (IS)	74	He	60830.59	1.2	117.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131427.45	0.6	102.9	60	125	
Tb (IS)	159	He	624021.17	1.1	100.2	60	125	
Bi (IS)	209	He	412500.90	0.8	96.0	60	125	

Sample Report

File Name 180SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:52:08

Sample Name **460-303912-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	62.2	2000	
B	11	6	No Gas	99.086	ug/l	1.0	2000	
Na	23	45	He	46527.435	ug/l	0.3	500000	
Mg	24	45	He	23978.721	ug/l	0.5	500000	
Al	27	45	He	451.723	ug/l	5.0	500000	
K	39	45	He	18562.528	ug/l	0.5	500000	
Ca	40	45	H2	71160.151	ug/l	2.2	1000000	
Ti	47	45	No Gas	20.589	ug/l	1.5	10000	
V	51	45	He	2.383	ug/l	2.7	5000	
Cr	52	45	He	3.040	ug/l	3.2	20000	
Mn	55	45	He	12.815	ug/l	1.6	20000	
Fe	56	45	H2	1515.978	ug/l	1.5	500000	
Co	59	45	He	0.327	ug/l	10.5	2000	
Ni	60	45	He	6.432	ug/l	1.4	20000	
Cu	63	45	He	93.236	ug/l	0.5	20000	
Zn	66	45	He	286.149	ug/l	0.8	20000	
As	75	74	He	0.557	ug/l	45.3	5000	
Se	78	74	H2	0.264	ug/l	25.0	3000	
Sr	88	115	He	318.773	ug/l	1.2	5000	
Mo	95	115	He	0.652	ug/l	10.4	2000	
Ag	107	115	He	0.121	ug/l	6.6	1000	
Cd	111	115	He	0.068	ug/l	47.3	5000	
Sn	118	115	He	617.204	ug/l	1.6	2000	
Sb	121	115	He	1.994	ug/l	7.3	1000	
Ba	137	159	He	62.985	ug/l	2.1	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	3.808	ug/l	2.2		
[Pb]	207	209	He	3.782	ug/l	1.2		
Pb	208	209	He	3.803	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5947454.84	1.7	87.6	60	125	
Sc (ISICPMS)	45	No Gas	8014446.06	1.0	107.3	60	125	
Sc (ISICPMS)	45	H2	2404802.15	0.4	115.8	60	125	
Sc (ISICPMS)	45	He	98155.09	1.0	105.2	60	125	
Ge (IS)	74	H2	451996.14	0.5	117.9	60	125	
Ge (IS)	74	He	60378.00	0.7	116.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129838.05	1.2	101.6	60	125	
Tb (IS)	159	He	632529.54	1.3	101.5	60	125	
Bi (IS)	209	He	425157.08	0.5	98.9	60	125	

Sample Report

File Name 181SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:54:36

Sample Name **460-303912-a-1-b ms**

Comment ---

Dilution **1.0000**

Vial # 3207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	25.070	ug/l	2.4	2000	
B	11	6	No Gas	645.294	ug/l	1.2	2000	
Na	23	45	He	51811.491	ug/l	0.6	500000	
Mg	24	45	He	27975.854	ug/l	0.9	500000	
Al	27	45	He	2766.174	ug/l	0.5	500000	
K	39	45	He	22010.000	ug/l	1.2	500000	
Ca	40	45	H2	78160.985	ug/l	0.9	1000000	
Ti	47	45	No Gas	63.253	ug/l	1.1	10000	
V	51	45	He	52.103	ug/l	2.2	5000	
Cr	52	45	He	50.827	ug/l	2.1	20000	
Mn	55	45	He	251.527	ug/l	1.3	20000	
Fe	56	45	H2	4097.933	ug/l	0.9	500000	
Co	59	45	He	25.337	ug/l	1.7	2000	
Ni	60	45	He	56.872	ug/l	1.5	20000	
Cu	63	45	He	144.214	ug/l	0.8	20000	
Zn	66	45	He	516.959	ug/l	1.4	20000	
As	75	74	He	50.230	ug/l	2.5	5000	
Se	78	74	H2	50.562	ug/l	1.3	3000	
Sr	88	115	He	382.180	ug/l	1.7	5000	
Mo	95	115	He	52.328	ug/l	0.5	2000	
Ag	107	115	He	17.929	ug/l	1.5	1000	
Cd	111	115	He	25.559	ug/l	0.9	5000	
Sn	118	115	He	697.629	ug/l	1.0	2000	
Sb	121	115	He	25.187	ug/l	1.2	1000	
Ba	137	159	He	116.787	ug/l	1.6	20000	
Tl	205	209	He	19.677	ug/l	0.5	1000	
[Pb]	206	209	He	29.544	ug/l	0.7		
[Pb]	207	209	He	28.609	ug/l	1.9		
Pb	208	209	He	28.939	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5835915.05	1.9	86.0	60	125	
Sc (ISICPMS)	45	No Gas	8018915.23	1.7	107.3	60	125	
Sc (ISICPMS)	45	H2	2378696.93	0.1	114.5	60	125	
Sc (ISICPMS)	45	He	97844.20	1.1	104.9	60	125	
Ge (IS)	74	H2	450903.58	0.9	117.6	60	125	
Ge (IS)	74	He	59345.74	1.4	114.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129705.29	0.6	101.5	60	125	
Tb (IS)	159	He	625067.27	0.8	100.3	60	125	
Bi (IS)	209	He	420844.40	0.7	97.9	60	125	

Sample Report

File Name 182SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:57:04

Sample Name **460-303699-a-4-a@10**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.312	ug/l	7.6	2000	
B	11	6	No Gas	15.776	ug/l	2.2	2000	
Na	23	45	He	242435.706	ug/l	2.2	500000	
Mg	24	45	He	49.067	ug/l	6.3	500000	
Al	27	45	He	496.675	ug/l	2.5	500000	
K	39	45	He	244.340	ug/l	0.6	500000	
Ca	40	45	H2	224.859	ug/l	2.6	1000000	
Ti	47	45	No Gas	23.363	ug/l	3.4	10000	
V	51	45	He	29.938	ug/l	0.6	5000	
Cr	52	45	He	14.774	ug/l	0.9	20000	
Mn	55	45	He	4.048	ug/l	2.4	20000	
Fe	56	45	H2	1214.051	ug/l	1.3	500000	
Co	59	45	He	0.031	ug/l	18.8	2000	
Ni	60	45	He	0.345	ug/l	17.2	20000	
Cu	63	45	He	0.154	ug/l	41.3	20000	
Zn	66	45	He	0.368	ug/l	136.0	20000	
As	75	74	He	3.154	ug/l	20.2	5000	
Se	78	74	H2	0.466	ug/l	55.3	3000	
Sr	88	115	He	1.492	ug/l	11.4	5000	
Mo	95	115	He	1.940	ug/l	0.7	2000	
Ag	107	115	He	0.003	ug/l	44.4	1000	
Cd	111	115	He	0.025	ug/l	44.1	5000	
Sn	118	115	He	2.606	ug/l	11.9	2000	
Sb	121	115	He	0.120	ug/l	53.2	1000	
Ba	137	159	He	3.149	ug/l	4.9	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.239	ug/l	24.3		
[Pb]	207	209	He	0.232	ug/l	12.2		
Pb	208	209	He	0.250	ug/l	3.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5761927.62	0.9	84.9	60	125	
Sc (ISICPMS)	45	No Gas	7775450.16	0.5	104.1	60	125	
Sc (ISICPMS)	45	H2	2361319.08	0.9	113.7	60	125	
Sc (ISICPMS)	45	He	96775.60	1.1	103.7	60	125	
Ge (IS)	74	H2	439096.16	0.1	114.5	60	125	
Ge (IS)	74	He	57516.31	2.1	111.0	60	125	
Kr	83	He	23.36	107.9	700.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127421.18	0.7	99.7	60	125	
Tb (IS)	159	He	620523.14	0.7	99.6	60	125	
Bi (IS)	209	He	411236.57	0.7	95.7	60	125	

Continuing Calibration Verification (CCV)

File Name 183_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 17:59:30

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	101.045	ug/l	1.8	100	90	110	
B	11	6	No Gas	263.763	ug/l	0.6	250	225	275	
Na	23	45	He	25515.051	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	24728.933	ug/l	0.1	25000	22500	27500	
Al	27	45	He	23367.309	ug/l	1.4	25000	22500	27500	
K	39	45	He	24988.704	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	24461.083	ug/l	1.5	25000	22500	27500	
Ti	47	45	No Gas	96.151	ug/l	0.5	100	90	110	
V	51	45	He	98.683	ug/l	1.7	100	90	110	
Cr	52	45	He	100.190	ug/l	1.1	100	90	110	
Mn	55	45	He	98.410	ug/l	0.7	100	90	110	
Fe	56	45	H2	25048.320	ug/l	0.1	25000	22500	27500	
Co	59	45	He	100.206	ug/l	1.4	100	90	110	
Ni	60	45	He	100.328	ug/l	1.3	100	90	110	
Cu	63	45	He	98.831	ug/l	0.5	100	90	110	
Zn	66	45	He	244.719	ug/l	1.7	250	225	275	
As	75	74	He	96.435	ug/l	4.1	100	90	110	
Se	78	74	H2	101.204	ug/l	1.7	100	90	110	
Sr	88	115	He	97.191	ug/l	0.7	100	90	110	
Mo	95	115	He	101.770	ug/l	0.8	100	90	110	
Ag	107	115	He	51.286	ug/l	1.1	50	45	55	
Cd	111	115	He	99.967	ug/l	1.3	100	90	110	
Sn	118	115	He	101.885	ug/l	1.0	100	90	110	
Sb	121	115	He	98.857	ug/l	0.9	100	90	110	
Ba	137	159	He	97.971	ug/l	0.1	100	90	110	
Tl	205	209	He	98.845	ug/l	0.9	100	90	110	
[Pb]	206	209	He	98.241	ug/l	1.4				
[Pb]	207	209	He	98.921	ug/l	0.6				
Pb	208	209	He	98.879	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5787473.60	0.7	85.3	60	125	
Sc (ISICPMS)	45	No Gas	7929427.04	0.9	106.1	60	125	
Sc (ISICPMS)	45	H2	2367002.85	1.6	114.0	60	125	
Sc (ISICPMS)	45	He	97390.88	1.3	104.4	60	125	
Ge (IS)	74	H2	436082.52	0.9	113.8	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	58615.72	1.9	113.1	60	125	
Kr	83	He	10.01	100.0	300.0			
In-1	115	He	130909.64	0.4	102.5	60	125	
Tb (IS)	159	He	625017.13	0.1	100.3	60	125	
Bi (IS)	209	He	422406.07	0.3	98.3	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 184_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:01:57

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.004	ug/l	60.0	0.8	-0.8	0.8	
B	11	6	No Gas	3.473	ug/l	8.1	40	-40	40	
Na	23	45	He	121.227	ug/l	4.1	500	-500	500	
Mg	24	45	He	0.634	ug/l	52.2	200	-200	200	
Al	27	45	He	3.003	ug/l	67.1	40	-40	40	
K	39	45	He	36.555	ug/l	30.7	200	-200	200	
Ca	40	45	H2	2.836	ug/l	15.6	500	-500	500	
Ti	47	45	No Gas	0.073	ug/l	157.8	4	-4	4	
V	51	45	He	-0.274	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.138	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.007	ug/l	881.2	8	-8	8	
Fe	56	45	H2	1.989	ug/l	7.7	60	-60	60	
Co	59	45	He	0.014	ug/l	139.2	4	-4	4	
Ni	60	45	He	-0.105	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.141	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.906	ug/l	N/A	16	-16	16	
As	75	74	He	0.011	ug/l	1132.6	2	-2	2	
Se	78	74	H2	0.073	ug/l	113.5	2.5	-2.5	2.5	
Sr	88	115	He	-0.002	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.036	ug/l	69.6	4	-4	4	
Ag	107	115	He	0.005	ug/l	59.1	2	-2	2	
Cd	111	115	He	0.006	ug/l	182.0	2	-2	2	
Sn	118	115	He	0.722	ug/l	13.4	16	-16	16	
Sb	121	115	He	0.016	ug/l	56.7	2	-2	2	
Ba	137	159	He	0.341	ug/l	23.9	4	-4	4	
Tl	205	209	He	-0.006	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.031	ug/l	76.0				
[Pb]	207	209	He	0.015	ug/l	81.6				
Pb	208	209	He	0.014	ug/l	59.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5774436.51	1.1	85.1	60	125	
Sc (ISICPMS)	45	No Gas	7902678.15	1.4	105.8	60	125	
Sc (ISICPMS)	45	H2	2384034.77	1.0	114.8	60	125	
Sc (ISICPMS)	45	He	99309.07	0.7	106.4	60	125	
Ge (IS)	74	H2	428797.69	0.5	111.9	60	125	
Ge (IS)	74	He	58525.05	0.7	112.9	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	133398.16	0.7	104.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	633238.66	1.2	101.6	60	125	
Bi (IS)	209	He	432705.06	0.4	100.7	60	125	

Sample Report

File Name 185SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:04:24

Sample Name **460-303699-e-6-a@10**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.051	ug/l	42.3	2000	
B	11	6	No Gas	27.081	ug/l	1.1	2000	
Na	23	45	He	174376.542	ug/l	0.4	500000	
Mg	24	45	He	49.009	ug/l	2.9	500000	
Al	27	45	He	985.090	ug/l	2.7	500000	
K	39	45	He	495.963	ug/l	5.1	500000	
Ca	40	45	H2	919.855	ug/l	0.7	1000000	
Ti	47	45	No Gas	14.356	ug/l	0.4	10000	
V	51	45	He	12.955	ug/l	4.1	5000	
Cr	52	45	He	8.570	ug/l	4.0	20000	
Mn	55	45	He	2.505	ug/l	5.3	20000	
Fe	56	45	H2	2042.554	ug/l	1.2	500000	
Co	59	45	He	0.258	ug/l	1.8	2000	
Ni	60	45	He	1.572	ug/l	0.7	20000	
Cu	63	45	He	17.692	ug/l	1.3	20000	
Zn	66	45	He	8.225	ug/l	6.4	20000	
As	75	74	He	1.795	ug/l	19.8	5000	
Se	78	74	H2	0.509	ug/l	23.6	3000	
Sr	88	115	He	4.796	ug/l	1.5	5000	
Mo	95	115	He	1.049	ug/l	11.9	2000	
Ag	107	115	He	0.117	ug/l	9.0	1000	
Cd	111	115	He	0.150	ug/l	56.3	5000	
Sn	118	115	He	0.633	ug/l	23.6	2000	
Sb	121	115	He	0.454	ug/l	8.1	1000	
Ba	137	159	He	2.168	ug/l	7.6	20000	
Tl	205	209	He	0.024	ug/l	10.4	1000	
[Pb]	206	209	He	5.344	ug/l	0.1		
[Pb]	207	209	He	5.071	ug/l	3.4		
Pb	208	209	He	5.226	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5771027.07	1.5	85.0	60	125	
Sc (ISICPMS)	45	No Gas	7949140.09	0.5	106.4	60	125	
Sc (ISICPMS)	45	H2	2376911.53	0.4	114.5	60	125	
Sc (ISICPMS)	45	He	97822.74	0.3	104.8	60	125	
Ge (IS)	74	H2	446835.71	0.8	116.6	60	125	
Ge (IS)	74	He	58649.08	1.5	113.2	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129274.46	0.2	101.2	60	125	
Tb (IS)	159	He	619557.49	0.3	99.4	60	125	
Bi (IS)	209	He	413030.22	0.3	96.1	60	125	

Continuing Calibration Verification (CCV)

File Name 186_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:06:51

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	102.786	ug/l	0.9	100	90	110	
B	11	6	No Gas	262.434	ug/l	1.1	250	225	275	
Na	23	45	He	25587.080	ug/l	0.4	25000	22500	27500	
Mg	24	45	He	25015.731	ug/l	0.6	25000	22500	27500	
Al	27	45	He	23580.860	ug/l	0.9	25000	22500	27500	
K	39	45	He	24886.834	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	24487.421	ug/l	2.2	25000	22500	27500	
Ti	47	45	No Gas	94.684	ug/l	0.9	100	90	110	
V	51	45	He	98.073	ug/l	1.1	100	90	110	
Cr	52	45	He	98.304	ug/l	0.8	100	90	110	
Mn	55	45	He	97.916	ug/l	1.1	100	90	110	
Fe	56	45	H2	25153.869	ug/l	2.8	25000	22500	27500	
Co	59	45	He	101.118	ug/l	0.7	100	90	110	
Ni	60	45	He	100.088	ug/l	0.6	100	90	110	
Cu	63	45	He	100.143	ug/l	0.6	100	90	110	
Zn	66	45	He	245.101	ug/l	1.4	250	225	275	
As	75	74	He	99.478	ug/l	4.7	100	90	110	
Se	78	74	H2	102.229	ug/l	5.5	100	90	110	
Sr	88	115	He	95.990	ug/l	2.2	100	90	110	
Mo	95	115	He	100.933	ug/l	1.5	100	90	110	
Ag	107	115	He	51.236	ug/l	1.6	50	45	55	
Cd	111	115	He	99.032	ug/l	0.9	100	90	110	
Sn	118	115	He	100.358	ug/l	0.9	100	90	110	
Sb	121	115	He	98.844	ug/l	0.5	100	90	110	
Ba	137	159	He	97.949	ug/l	1.5	100	90	110	
Tl	205	209	He	99.149	ug/l	2.6	100	90	110	
[Pb]	206	209	He	100.305	ug/l	1.2				
[Pb]	207	209	He	98.607	ug/l	1.5				
Pb	208	209	He	98.913	ug/l	1.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5766256.58	0.8	85.0	60	125	
Sc (ISICPMS)	45	No Gas	7943266.90	1.0	106.3	60	125	
Sc (ISICPMS)	45	H2	2362453.45	2.0	113.8	60	125	
Sc (ISICPMS)	45	He	96843.16	0.4	103.8	60	125	
Ge (IS)	74	H2	437992.41	1.8	114.3	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	58538.05	1.7	113.0	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	130477.68	0.7	102.1	60	125	
Tb (IS)	159	He	622817.80	0.3	100.0	60	125	
Bi (IS)	209	He	420793.78	1.3	97.9	60	125	

Sample Report

File Name 188SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:11:45

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	171.9	2000	
B	11	6	No Gas	1.869	ug/l	1.9	2000	
Na	23	45	He	107.860	ug/l	1.0	500000	
Mg	24	45	He	-0.663	ug/l	N/A	500000	
Al	27	45	He	2.152	ug/l	31.7	500000	
K	39	45	He	39.161	ug/l	7.1	500000	
Ca	40	45	H2	7.117	ug/l	5.9	1000000	
Ti	47	45	No Gas	0.064	ug/l	134.1	10000	
V	51	45	He	-0.344	ug/l	N/A	5000	
Cr	52	45	He	-0.072	ug/l	N/A	20000	
Mn	55	45	He	-0.002	ug/l	N/A	20000	
Fe	56	45	H2	1.126	ug/l	26.0	500000	
Co	59	45	He	0.021	ug/l	68.9	2000	
Ni	60	45	He	0.330	ug/l	51.0	20000	
Cu	63	45	He	-0.115	ug/l	N/A	20000	
Zn	66	45	He	0.678	ug/l	102.5	20000	
As	75	74	He	-0.020	ug/l	N/A	5000	
Se	78	74	H2	0.126	ug/l	51.7	3000	
Sr	88	115	He	-0.046	ug/l	N/A	5000	
Mo	95	115	He	0.001	ug/l	301.1	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.160	ug/l	18.7	2000	
Sb	121	115	He	-0.015	ug/l	N/A	1000	
Ba	137	159	He	0.287	ug/l	5.6	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.021	ug/l	102.4		
[Pb]	207	209	He	0.039	ug/l	89.0		
Pb	208	209	He	0.027	ug/l	24.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5791758.11	2.3	85.3	60	125	
Sc (ISICPMS)	45	No Gas	8008037.94	0.4	107.2	60	125	
Sc (ISICPMS)	45	H2	2395697.19	0.3	115.4	60	125	
Sc (ISICPMS)	45	He	99753.03	1.5	106.9	60	125	
Ge (IS)	74	H2	431775.96	0.2	112.6	60	125	
Ge (IS)	74	He	57496.21	1.1	110.9	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132947.77	1.0	104.1	60	125	
Tb (IS)	159	He	633779.61	0.2	101.7	60	125	
Bi (IS)	209	He	432875.87	0.8	100.7	60	125	

Sample Report

File Name 189SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:14:14

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	1.516	ug/l	6.5	2000	
Na	23	45	He	97.427	ug/l	1.5	500000	
Mg	24	45	He	-0.053	ug/l	N/A	500000	
Al	27	45	He	1.146	ug/l	112.9	500000	
K	39	45	He	35.108	ug/l	65.5	500000	
Ca	40	45	H2	7.305	ug/l	9.1	1000000	
Ti	47	45	No Gas	-0.008	ug/l	N/A	10000	
V	51	45	He	-0.245	ug/l	N/A	5000	
Cr	52	45	He	-0.135	ug/l	N/A	20000	
Mn	55	45	He	0.030	ug/l	98.0	20000	
Fe	56	45	H2	1.011	ug/l	15.3	500000	
Co	59	45	He	0.002	ug/l	175.4	2000	
Ni	60	45	He	0.194	ug/l	100.7	20000	
Cu	63	45	He	-0.162	ug/l	N/A	20000	
Zn	66	45	He	0.127	ug/l	92.0	20000	
As	75	74	He	-0.035	ug/l	N/A	5000	
Se	78	74	H2	0.038	ug/l	96.2	3000	
Sr	88	115	He	-0.021	ug/l	N/A	5000	
Mo	95	115	He	0.009	ug/l	218.8	2000	
Ag	107	115	He	0.007	ug/l	24.5	1000	
Cd	111	115	He	0.012	ug/l	154.4	5000	
Sn	118	115	He	0.310	ug/l	52.2	2000	
Sb	121	115	He	0.001	ug/l	1599.3	1000	
Ba	137	159	He	0.325	ug/l	39.5	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.014	ug/l	16.2		
[Pb]	207	209	He	0.024	ug/l	20.6		
Pb	208	209	He	0.026	ug/l	15.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5791293.46	1.0	85.3	60	125	
Sc (ISICPMS)	45	No Gas	8006848.15	0.5	107.2	60	125	
Sc (ISICPMS)	45	H2	2439028.40	1.7	117.5	60	125	
Sc (ISICPMS)	45	He	100701.67	0.3	107.9	60	125	
Ge (IS)	74	H2	438136.46	1.0	114.3	60	125	
Ge (IS)	74	He	57995.60	1.5	111.9	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134144.93	0.8	105.0	60	125	
Tb (IS)	159	He	630132.87	1.1	101.1	60	125	
Bi (IS)	209	He	434148.16	0.5	101.0	60	125	

Sample Report

File Name 190SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:16:40

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	921.2	2000	
B	11	6	No Gas	1.297	ug/l	3.0	2000	
Na	23	45	He	97.162	ug/l	5.5	500000	
Mg	24	45	He	-0.547	ug/l	N/A	500000	
Al	27	45	He	0.822	ug/l	190.8	500000	
K	39	45	He	36.009	ug/l	51.3	500000	
Ca	40	45	H2	7.009	ug/l	16.1	1000000	
Ti	47	45	No Gas	0.047	ug/l	293.1	10000	
V	51	45	He	-0.244	ug/l	N/A	5000	
Cr	52	45	He	0.052	ug/l	192.9	20000	
Mn	55	45	He	0.001	ug/l	3807.0	20000	
Fe	56	45	H2	0.746	ug/l	30.2	500000	
Co	59	45	He	0.015	ug/l	82.7	2000	
Ni	60	45	He	0.132	ug/l	98.4	20000	
Cu	63	45	He	-0.146	ug/l	N/A	20000	
Zn	66	45	He	-0.082	ug/l	N/A	20000	
As	75	74	He	-0.102	ug/l	N/A	5000	
Se	78	74	H2	0.050	ug/l	75.5	3000	
Sr	88	115	He	-0.042	ug/l	N/A	5000	
Mo	95	115	He	0.005	ug/l	319.5	2000	
Ag	107	115	He	0.001	ug/l	268.2	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.302	ug/l	77.7	2000	
Sb	121	115	He	-0.004	ug/l	N/A	1000	
Ba	137	159	He	0.334	ug/l	29.2	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	-0.003	ug/l	N/A		
[Pb]	207	209	He	0.027	ug/l	25.7		
Pb	208	209	He	0.020	ug/l	44.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5785621.37	2.2	85.2	60	125	
Sc (ISICPMS)	45	No Gas	7992545.44	0.2	107.0	60	125	
Sc (ISICPMS)	45	H2	2430936.48	0.4	117.1	60	125	
Sc (ISICPMS)	45	He	99908.24	1.0	107.1	60	125	
Ge (IS)	74	H2	435179.38	0.4	113.5	60	125	
Ge (IS)	74	He	57650.20	0.6	111.2	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133457.46	0.6	104.5	60	125	
Tb (IS)	159	He	629388.00	0.1	101.0	60	125	
Bi (IS)	209	He	432514.94	0.2	100.6	60	125	

Sample Report

File Name 191SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:19:08

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	849.9	2000	
B	11	6	No Gas	0.975	ug/l	8.1	2000	
Na	23	45	He	95.737	ug/l	6.9	500000	
Mg	24	45	He	-0.370	ug/l	N/A	500000	
Al	27	45	He	1.021	ug/l	264.9	500000	
K	39	45	He	45.634	ug/l	21.3	500000	
Ca	40	45	H2	7.644	ug/l	5.4	1000000	
Ti	47	45	No Gas	-0.024	ug/l	N/A	10000	
V	51	45	He	-0.301	ug/l	N/A	5000	
Cr	52	45	He	0.022	ug/l	328.6	20000	
Mn	55	45	He	-0.012	ug/l	N/A	20000	
Fe	56	45	H2	0.947	ug/l	19.3	500000	
Co	59	45	He	0.010	ug/l	37.4	2000	
Ni	60	45	He	0.206	ug/l	50.5	20000	
Cu	63	45	He	-0.161	ug/l	N/A	20000	
Zn	66	45	He	0.338	ug/l	51.4	20000	
As	75	74	He	-0.052	ug/l	N/A	5000	
Se	78	74	H2	0.062	ug/l	52.3	3000	
Sr	88	115	He	-0.028	ug/l	N/A	5000	
Mo	95	115	He	0.037	ug/l	53.8	2000	
Ag	107	115	He	0.003	ug/l	71.2	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.504	ug/l	89.5	2000	
Sb	121	115	He	0.017	ug/l	48.5	1000	
Ba	137	159	He	0.298	ug/l	33.8	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.017	ug/l	153.8		
[Pb]	207	209	He	0.031	ug/l	82.1		
Pb	208	209	He	0.015	ug/l	96.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5789940.68	1.2	85.3	60	125	
Sc (ISICPMS)	45	No Gas	7947265.65	0.1	106.4	60	125	
Sc (ISICPMS)	45	H2	2382500.94	1.2	114.7	60	125	
Sc (ISICPMS)	45	He	98844.73	1.0	105.9	60	125	
Ge (IS)	74	H2	429836.70	0.9	112.1	60	125	
Ge (IS)	74	He	57660.12	1.8	111.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132641.67	0.8	103.8	60	125	
Tb (IS)	159	He	623075.23	0.6	100.0	60	125	
Bi (IS)	209	He	426423.98	0.9	99.2	60	125	

Sample Report

File Name 192SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:21:35

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	175.2	2000	
B	11	6	No Gas	0.748	ug/l	21.0	2000	
Na	23	45	He	89.475	ug/l	8.9	500000	
Mg	24	45	He	-0.269	ug/l	N/A	500000	
Al	27	45	He	1.147	ug/l	175.8	500000	
K	39	45	He	29.704	ug/l	45.3	500000	
Ca	40	45	H2	6.473	ug/l	9.2	1000000	
Ti	47	45	No Gas	-0.011	ug/l	N/A	10000	
V	51	45	He	-0.266	ug/l	N/A	5000	
Cr	52	45	He	0.014	ug/l	1135.6	20000	
Mn	55	45	He	0.026	ug/l	401.1	20000	
Fe	56	45	H2	0.822	ug/l	14.4	500000	
Co	59	45	He	0.014	ug/l	52.7	2000	
Ni	60	45	He	0.099	ug/l	37.4	20000	
Cu	63	45	He	-0.132	ug/l	N/A	20000	
Zn	66	45	He	-0.030	ug/l	N/A	20000	
As	75	74	He	-0.015	ug/l	N/A	5000	
Se	78	74	H2	0.094	ug/l	68.7	3000	
Sr	88	115	He	-0.067	ug/l	N/A	5000	
Mo	95	115	He	-0.001	ug/l	N/A	2000	
Ag	107	115	He	0.005	ug/l	89.7	1000	
Cd	111	115	He	0.006	ug/l	181.1	5000	
Sn	118	115	He	0.361	ug/l	16.2	2000	
Sb	121	115	He	0.000	ug/l	N/A	1000	
Ba	137	159	He	0.345	ug/l	12.7	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.032	ug/l	86.5		
[Pb]	207	209	He	0.032	ug/l	54.1		
Pb	208	209	He	0.022	ug/l	84.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5771927.55	1.7	85.0	60	125	
Sc (ISICPMS)	45	No Gas	8028162.80	0.2	107.4	60	125	
Sc (ISICPMS)	45	H2	2394648.80	0.1	115.3	60	125	
Sc (ISICPMS)	45	He	99648.08	0.7	106.8	60	125	
Ge (IS)	74	H2	429361.40	0.5	112.0	60	125	
Ge (IS)	74	He	56517.68	0.4	109.1	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132289.42	0.7	103.6	60	125	
Tb (IS)	159	He	623271.71	0.6	100.0	60	125	
Bi (IS)	209	He	431120.53	0.7	100.3	60	125	

Sample Report

File Name 193SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:24:02

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	0.619	ug/l	21.2	2000	
Na	23	45	He	87.187	ug/l	2.7	500000	
Mg	24	45	He	-0.404	ug/l	N/A	500000	
Al	27	45	He	0.984	ug/l	227.1	500000	
K	39	45	He	39.251	ug/l	13.2	500000	
Ca	40	45	H2	6.855	ug/l	6.7	1000000	
Ti	47	45	No Gas	0.028	ug/l	201.5	10000	
V	51	45	He	-0.316	ug/l	N/A	5000	
Cr	52	45	He	0.114	ug/l	314.7	20000	
Mn	55	45	He	0.064	ug/l	131.5	20000	
Fe	56	45	H2	0.941	ug/l	42.0	500000	
Co	59	45	He	0.007	ug/l	101.7	2000	
Ni	60	45	He	0.031	ug/l	324.9	20000	
Cu	63	45	He	-0.103	ug/l	N/A	20000	
Zn	66	45	He	0.199	ug/l	156.8	20000	
As	75	74	He	-0.051	ug/l	N/A	5000	
Se	78	74	H2	0.093	ug/l	125.5	3000	
Sr	88	115	He	-0.018	ug/l	N/A	5000	
Mo	95	115	He	0.013	ug/l	229.2	2000	
Ag	107	115	He	0.004	ug/l	52.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.196	ug/l	84.6	2000	
Sb	121	115	He	0.003	ug/l	503.5	1000	
Ba	137	159	He	0.307	ug/l	23.1	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.011	ug/l	215.3		
[Pb]	207	209	He	0.023	ug/l	89.6		
Pb	208	209	He	0.014	ug/l	90.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5689002.34	1.5	83.8	60	125	
Sc (ISICPMS)	45	No Gas	8016896.20	2.2	107.3	60	125	
Sc (ISICPMS)	45	H2	2400649.83	0.7	115.6	60	125	
Sc (ISICPMS)	45	He	98960.38	1.2	106.1	60	125	
Ge (IS)	74	H2	433648.55	0.3	113.1	60	125	
Ge (IS)	74	He	57288.47	0.9	110.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132184.90	0.8	103.5	60	125	
Tb (IS)	159	He	623398.87	1.3	100.1	60	125	
Bi (IS)	209	He	431045.83	0.5	100.3	60	125	

Sample Report

File Name 194SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:26:29

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	0.694	ug/l	11.0	2000	
Na	23	45	He	87.583	ug/l	4.5	500000	
Mg	24	45	He	-0.373	ug/l	N/A	500000	
Al	27	45	He	1.819	ug/l	55.1	500000	
K	39	45	He	27.854	ug/l	59.7	500000	
Ca	40	45	H2	7.234	ug/l	12.2	1000000	
Ti	47	45	No Gas	0.021	ug/l	91.3	10000	
V	51	45	He	-0.311	ug/l	N/A	5000	
Cr	52	45	He	-0.040	ug/l	N/A	20000	
Mn	55	45	He	0.029	ug/l	123.3	20000	
Fe	56	45	H2	0.845	ug/l	27.3	500000	
Co	59	45	He	0.011	ug/l	191.1	2000	
Ni	60	45	He	0.067	ug/l	66.6	20000	
Cu	63	45	He	-0.180	ug/l	N/A	20000	
Zn	66	45	He	-0.114	ug/l	N/A	20000	
As	75	74	He	-0.035	ug/l	N/A	5000	
Se	78	74	H2	0.050	ug/l	38.7	3000	
Sr	88	115	He	-0.045	ug/l	N/A	5000	
Mo	95	115	He	0.004	ug/l	422.9	2000	
Ag	107	115	He	0.000	ug/l	459.0	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.133	ug/l	41.3	2000	
Sb	121	115	He	-0.018	ug/l	N/A	1000	
Ba	137	159	He	0.326	ug/l	8.3	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	0.031	ug/l	85.1		
[Pb]	207	209	He	0.034	ug/l	47.6		
Pb	208	209	He	0.025	ug/l	44.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5782083.59	0.6	85.2	60	125	
Sc (ISICPMS)	45	No Gas	7991143.28	0.7	106.9	60	125	
Sc (ISICPMS)	45	H2	2383275.29	1.2	114.8	60	125	
Sc (ISICPMS)	45	He	98847.12	0.8	105.9	60	125	
Ge (IS)	74	H2	434513.07	1.0	113.3	60	125	
Ge (IS)	74	He	57164.60	1.7	110.3	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132382.77	1.0	103.6	60	125	
Tb (IS)	159	He	622497.80	1.1	99.9	60	125	
Bi (IS)	209	He	426981.90	0.9	99.3	60	125	

Sample Report

File Name 195SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:28:56

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	0.589	ug/l	5.2	2000	
Na	23	45	He	86.856	ug/l	4.3	500000	
Mg	24	45	He	0.137	ug/l	528.7	500000	
Al	27	45	He	1.863	ug/l	37.5	500000	
K	39	45	He	30.076	ug/l	15.7	500000	
Ca	40	45	H2	6.763	ug/l	10.0	1000000	
Ti	47	45	No Gas	0.009	ug/l	381.0	10000	
V	51	45	He	-0.317	ug/l	N/A	5000	
Cr	52	45	He	0.078	ug/l	241.2	20000	
Mn	55	45	He	0.039	ug/l	258.4	20000	
Fe	56	45	H2	0.888	ug/l	10.2	500000	
Co	59	45	He	0.013	ug/l	46.7	2000	
Ni	60	45	He	0.134	ug/l	89.8	20000	
Cu	63	45	He	-0.156	ug/l	N/A	20000	
Zn	66	45	He	-0.216	ug/l	N/A	20000	
As	75	74	He	-0.085	ug/l	N/A	5000	
Se	78	74	H2	0.062	ug/l	0.6	3000	
Sr	88	115	He	-0.105	ug/l	N/A	5000	
Mo	95	115	He	0.003	ug/l	111.5	2000	
Ag	107	115	He	0.004	ug/l	136.4	1000	
Cd	111	115	He	0.006	ug/l	363.9	5000	
Sn	118	115	He	0.301	ug/l	22.0	2000	
Sb	121	115	He	-0.004	ug/l	N/A	1000	
Ba	137	159	He	0.270	ug/l	10.6	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.014	ug/l	75.4		
[Pb]	207	209	He	0.030	ug/l	34.0		
Pb	208	209	He	0.026	ug/l	12.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5759212.14	1.8	84.9	60	125	
Sc (ISICPMS)	45	No Gas	7971314.88	0.3	106.7	60	125	
Sc (ISICPMS)	45	H2	2359184.51	0.6	113.6	60	125	
Sc (ISICPMS)	45	He	98485.20	0.6	105.6	60	125	
Ge (IS)	74	H2	427305.42	0.4	111.5	60	125	
Ge (IS)	74	He	57774.22	0.6	111.5	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133258.91	0.3	104.3	60	125	
Tb (IS)	159	He	622655.58	0.4	99.9	60	125	
Bi (IS)	209	He	426475.25	0.7	99.2	60	125	

Sample Report

File Name 196SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:31:22

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	47.4	2000	
B	11	6	No Gas	0.593	ug/l	31.8	2000	
Na	23	45	He	96.254	ug/l	5.1	500000	
Mg	24	45	He	1.349	ug/l	21.3	500000	
Al	27	45	He	1.928	ug/l	29.4	500000	
K	39	45	He	37.995	ug/l	22.2	500000	
Ca	40	45	H2	9.926	ug/l	8.8	1000000	
Ti	47	45	No Gas	0.028	ug/l	313.4	10000	
V	51	45	He	-0.294	ug/l	N/A	5000	
Cr	52	45	He	-0.001	ug/l	N/A	20000	
Mn	55	45	He	0.102	ug/l	11.2	20000	
Fe	56	45	H2	3.229	ug/l	12.7	500000	
Co	59	45	He	0.022	ug/l	54.7	2000	
Ni	60	45	He	0.294	ug/l	70.9	20000	
Cu	63	45	He	-0.141	ug/l	N/A	20000	
Zn	66	45	He	-0.340	ug/l	N/A	20000	
As	75	74	He	-0.116	ug/l	N/A	5000	
Se	78	74	H2	0.018	ug/l	276.9	3000	
Sr	88	115	He	-0.030	ug/l	N/A	5000	
Mo	95	115	He	0.003	ug/l	1437.6	2000	
Ag	107	115	He	0.006	ug/l	147.1	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.191	ug/l	96.5	2000	
Sb	121	115	He	-0.005	ug/l	N/A	1000	
Ba	137	159	He	0.288	ug/l	14.5	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	0.028	ug/l	49.6		
[Pb]	207	209	He	0.050	ug/l	35.6		
Pb	208	209	He	0.043	ug/l	18.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5811426.09	0.8	85.6	60	125	
Sc (ISICPMS)	45	No Gas	7967810.57	0.4	106.6	60	125	
Sc (ISICPMS)	45	H2	2403971.92	1.6	115.8	60	125	
Sc (ISICPMS)	45	He	97813.80	1.0	104.8	60	125	
Ge (IS)	74	H2	432749.45	1.4	112.9	60	125	
Ge (IS)	74	He	55840.90	1.0	107.8	60	125	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134220.07	1.0	105.1	60	125	
Tb (IS)	159	He	627363.14	0.8	100.7	60	125	
Bi (IS)	209	He	429809.46	1.2	100.0	60	125	

Sample Report

File Name 197SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:33:50

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	123.2	2000	
B	11	6	No Gas	0.559	ug/l	6.4	2000	
Na	23	45	He	80.932	ug/l	7.5	500000	
Mg	24	45	He	-0.206	ug/l	N/A	500000	
Al	27	45	He	0.480	ug/l	415.5	500000	
K	39	45	He	31.576	ug/l	14.2	500000	
Ca	40	45	H2	7.181	ug/l	11.7	1000000	
Ti	47	45	No Gas	-0.065	ug/l	N/A	10000	
V	51	45	He	-0.286	ug/l	N/A	5000	
Cr	52	45	He	-0.258	ug/l	N/A	20000	
Mn	55	45	He	0.088	ug/l	42.0	20000	
Fe	56	45	H2	1.388	ug/l	10.4	500000	
Co	59	45	He	0.013	ug/l	38.3	2000	
Ni	60	45	He	0.225	ug/l	35.1	20000	
Cu	63	45	He	-0.115	ug/l	N/A	20000	
Zn	66	45	He	-0.855	ug/l	N/A	20000	
As	75	74	He	-0.134	ug/l	N/A	5000	
Se	78	74	H2	0.018	ug/l	278.2	3000	
Sr	88	115	He	-0.053	ug/l	N/A	5000	
Mo	95	115	He	-0.003	ug/l	N/A	2000	
Ag	107	115	He	0.003	ug/l	133.8	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.236	ug/l	8.8	2000	
Sb	121	115	He	-0.006	ug/l	N/A	1000	
Ba	137	159	He	0.298	ug/l	34.0	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	0.019	ug/l	91.3		
[Pb]	207	209	He	0.047	ug/l	33.3		
Pb	208	209	He	0.026	ug/l	15.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5793764.64	1.6	85.4	60	125	
Sc (ISICPMS)	45	No Gas	7932392.31	1.3	106.2	60	125	
Sc (ISICPMS)	45	H2	2375754.20	0.6	114.4	60	125	
Sc (ISICPMS)	45	He	99021.52	0.6	106.1	60	125	
Ge (IS)	74	H2	431917.24	0.5	112.7	60	125	
Ge (IS)	74	He	56899.78	0.3	109.8	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132451.33	1.5	103.7	60	125	
Tb (IS)	159	He	622782.36	0.5	100.0	60	125	
Bi (IS)	209	He	427567.26	0.9	99.5	60	125	

Sample Report

File Name 198SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:36:16

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	578.2	2000	
B	11	6	No Gas	0.510	ug/l	22.5	2000	
Na	23	45	He	86.021	ug/l	3.8	500000	
Mg	24	45	He	0.406	ug/l	59.5	500000	
Al	27	45	He	0.375	ug/l	363.9	500000	
K	39	45	He	33.215	ug/l	38.3	500000	
Ca	40	45	H2	6.749	ug/l	6.3	1000000	
Ti	47	45	No Gas	0.034	ug/l	224.1	10000	
V	51	45	He	-0.238	ug/l	N/A	5000	
Cr	52	45	He	-0.088	ug/l	N/A	20000	
Mn	55	45	He	0.009	ug/l	1067.2	20000	
Fe	56	45	H2	0.977	ug/l	11.5	500000	
Co	59	45	He	0.016	ug/l	38.3	2000	
Ni	60	45	He	0.152	ug/l	123.4	20000	
Cu	63	45	He	-0.135	ug/l	N/A	20000	
Zn	66	45	He	-0.490	ug/l	N/A	20000	
As	75	74	He	0.050	ug/l	96.0	5000	
Se	78	74	H2	0.018	ug/l	106.6	3000	
Sr	88	115	He	-0.054	ug/l	N/A	5000	
Mo	95	115	He	0.026	ug/l	27.0	2000	
Ag	107	115	He	0.002	ug/l	122.8	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.189	ug/l	75.0	2000	
Sb	121	115	He	-0.015	ug/l	N/A	1000	
Ba	137	159	He	0.298	ug/l	15.9	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.028	ug/l	74.8		
[Pb]	207	209	He	0.035	ug/l	52.7		
Pb	208	209	He	0.019	ug/l	26.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5738741.86	1.3	84.6	60	125	
Sc (ISICPMS)	45	No Gas	7925844.47	0.4	106.1	60	125	
Sc (ISICPMS)	45	H2	2365633.94	0.4	113.9	60	125	
Sc (ISICPMS)	45	He	97712.51	1.6	104.7	60	125	
Ge (IS)	74	H2	430492.44	0.8	112.3	60	125	
Ge (IS)	74	He	56906.45	2.4	109.8	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132486.01	0.6	103.7	60	125	
Tb (IS)	159	He	621857.79	1.0	99.8	60	125	
Bi (IS)	209	He	430537.58	1.1	100.1	60	125	

Sample Report

File Name 199SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-17 18:38:43

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	0.316	ug/l	54.0	2000	
Na	23	45	He	85.198	ug/l	4.8	500000	
Mg	24	45	He	-0.174	ug/l	N/A	500000	
Al	27	45	He	0.363	ug/l	352.1	500000	
K	39	45	He	26.759	ug/l	44.0	500000	
Ca	40	45	H2	6.432	ug/l	6.3	1000000	
Ti	47	45	No Gas	0.040	ug/l	291.5	10000	
V	51	45	He	-0.233	ug/l	N/A	5000	
Cr	52	45	He	-0.174	ug/l	N/A	20000	
Mn	55	45	He	0.004	ug/l	2483.0	20000	
Fe	56	45	H2	0.688	ug/l	24.5	500000	
Co	59	45	He	0.014	ug/l	125.5	2000	
Ni	60	45	He	0.114	ug/l	122.6	20000	
Cu	63	45	He	-0.148	ug/l	N/A	20000	
Zn	66	45	He	0.109	ug/l	455.4	20000	
As	75	74	He	-0.036	ug/l	N/A	5000	
Se	78	74	H2	0.029	ug/l	112.4	3000	
Sr	88	115	He	-0.068	ug/l	N/A	5000	
Mo	95	115	He	-0.010	ug/l	N/A	2000	
Ag	107	115	He	0.002	ug/l	2.5	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.205	ug/l	97.4	2000	
Sb	121	115	He	-0.023	ug/l	N/A	1000	
Ba	137	159	He	0.289	ug/l	24.7	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.025	ug/l	55.5		
[Pb]	207	209	He	0.024	ug/l	67.5		
Pb	208	209	He	0.028	ug/l	26.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5766923.25	0.7	85.0	60	125	
Sc (ISICPMS)	45	No Gas	7922387.52	1.7	106.0	60	125	
Sc (ISICPMS)	45	H2	2389342.03	0.7	115.1	60	125	
Sc (ISICPMS)	45	He	97907.78	0.9	104.9	60	125	
Ge (IS)	74	H2	431266.83	0.8	112.5	60	125	
Ge (IS)	74	He	57589.66	1.0	111.1	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132593.57	0.8	103.8	60	125	
Tb (IS)	159	He	624264.25	0.8	100.2	60	125	
Bi (IS)	209	He	427502.83	1.0	99.4	60	125	

Sample Report

File Name 200SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:07:30

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	196.5	2000	
B	11	6	No Gas	-0.242	ug/l	N/A	2000	
Na	23	45	He	47.098	ug/l	11.3	500000	
Mg	24	45	He	-0.237	ug/l	N/A	500000	
Al	27	45	He	-0.584	ug/l	N/A	500000	
K	39	45	He	8.186	ug/l	141.2	500000	
Ca	40	45	H2	3.780	ug/l	21.6	1000000	
Ti	47	45	No Gas	-0.048	ug/l	N/A	10000	
V	51	45	He	-0.228	ug/l	N/A	5000	
Cr	52	45	He	0.083	ug/l	109.3	20000	
Mn	55	45	He	0.081	ug/l	89.9	20000	
Fe	56	45	H2	0.923	ug/l	26.1	500000	
Co	59	45	He	0.014	ug/l	23.3	2000	
Ni	60	45	He	0.311	ug/l	80.7	20000	
Cu	63	45	He	-0.263	ug/l	N/A	20000	
Zn	66	45	He	-0.167	ug/l	N/A	20000	
As	75	74	He	-0.107	ug/l	N/A	5000	
Se	78	74	H2	0.036	ug/l	202.1	3000	
Sr	88	115	He	-0.117	ug/l	N/A	5000	
Mo	95	115	He	-0.016	ug/l	N/A	2000	
Ag	107	115	He	0.002	ug/l	72.5	1000	
Cd	111	115	He	0.000	ug/l	2880.6	5000	
Sn	118	115	He	0.108	ug/l	187.9	2000	
Sb	121	115	He	-0.006	ug/l	N/A	1000	
Ba	137	159	He	0.270	ug/l	13.1	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.016	ug/l	69.3		
[Pb]	207	209	He	0.014	ug/l	56.1		
Pb	208	209	He	0.017	ug/l	15.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6047759.08	0.3	89.1	60	125	
Sc (ISICPMS)	45	No Gas	7534784.54	0.4	100.8	60	125	
Sc (ISICPMS)	45	H2	2129120.18	0.4	102.5	60	125	
Sc (ISICPMS)	45	He	86642.79	0.6	92.9	60	125	
Ge (IS)	74	H2	388152.25	0.8	101.2	60	125	
Ge (IS)	74	He	50651.89	1.1	97.7	60	125	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119096.37	0.4	93.2	60	125	
Tb (IS)	159	He	570763.50	0.4	91.6	60	125	
Bi (IS)	209	He	392652.81	0.5	91.3	60	125	

Sample Report

File Name 201SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:09:58

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	-0.377	ug/l	N/A	2000	
Na	23	45	He	42.141	ug/l	7.0	500000	
Mg	24	45	He	-0.127	ug/l	N/A	500000	
Al	27	45	He	1.390	ug/l	140.2	500000	
K	39	45	He	5.349	ug/l	118.5	500000	
Ca	40	45	H2	5.096	ug/l	11.1	1000000	
Ti	47	45	No Gas	0.025	ug/l	333.0	10000	
V	51	45	He	-0.289	ug/l	N/A	5000	
Cr	52	45	He	-0.140	ug/l	N/A	20000	
Mn	55	45	He	0.088	ug/l	60.1	20000	
Fe	56	45	H2	0.889	ug/l	22.3	500000	
Co	59	45	He	0.004	ug/l	326.6	2000	
Ni	60	45	He	0.414	ug/l	35.7	20000	
Cu	63	45	He	-0.275	ug/l	N/A	20000	
Zn	66	45	He	-1.182	ug/l	N/A	20000	
As	75	74	He	0.132	ug/l	106.3	5000	
Se	78	74	H2	0.034	ug/l	206.3	3000	
Sr	88	115	He	-0.086	ug/l	N/A	5000	
Mo	95	115	He	-0.001	ug/l	N/A	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	5398.2	5000	
Sn	118	115	He	0.103	ug/l	116.1	2000	
Sb	121	115	He	-0.024	ug/l	N/A	1000	
Ba	137	159	He	0.299	ug/l	15.6	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	0.010	ug/l	273.8		
[Pb]	207	209	He	0.012	ug/l	60.0		
Pb	208	209	He	0.015	ug/l	44.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5972525.81	1.6	88.0	60	125	
Sc (ISICPMS)	45	No Gas	7509303.36	0.5	100.5	60	125	
Sc (ISICPMS)	45	H2	2161311.96	0.4	104.1	60	125	
Sc (ISICPMS)	45	He	88925.90	1.1	95.3	60	125	
Ge (IS)	74	H2	400014.98	1.2	104.3	60	125	
Ge (IS)	74	He	51144.61	3.1	98.7	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121752.29	0.7	95.3	60	125	
Tb (IS)	159	He	577208.70	0.5	92.6	60	125	
Bi (IS)	209	He	400092.29	0.8	93.1	60	125	

Sample Report

File Name 202SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:12:24

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	289.7	2000	
B	11	6	No Gas	-0.122	ug/l	N/A	2000	
Na	23	45	He	44.088	ug/l	9.9	500000	
Mg	24	45	He	-0.489	ug/l	N/A	500000	
Al	27	45	He	0.513	ug/l	138.8	500000	
K	39	45	He	0.748	ug/l	1231.6	500000	
Ca	40	45	H2	4.951	ug/l	7.1	1000000	
Ti	47	45	No Gas	-0.052	ug/l	N/A	10000	
V	51	45	He	-0.312	ug/l	N/A	5000	
Cr	52	45	He	-0.088	ug/l	N/A	20000	
Mn	55	45	He	0.036	ug/l	235.1	20000	
Fe	56	45	H2	0.816	ug/l	2.1	500000	
Co	59	45	He	0.019	ug/l	85.7	2000	
Ni	60	45	He	0.404	ug/l	28.7	20000	
Cu	63	45	He	-0.236	ug/l	N/A	20000	
Zn	66	45	He	0.081	ug/l	842.6	20000	
As	75	74	He	0.069	ug/l	84.4	5000	
Se	78	74	H2	-0.013	ug/l	N/A	3000	
Sr	88	115	He	-0.109	ug/l	N/A	5000	
Mo	95	115	He	-0.024	ug/l	N/A	2000	
Ag	107	115	He	0.000	ug/l	2010.1	1000	
Cd	111	115	He	0.000	ug/l	4896.4	5000	
Sn	118	115	He	0.151	ug/l	50.5	2000	
Sb	121	115	He	-0.010	ug/l	N/A	1000	
Ba	137	159	He	0.268	ug/l	23.7	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	0.032	ug/l	121.4		
[Pb]	207	209	He	0.015	ug/l	76.8		
Pb	208	209	He	0.014	ug/l	98.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5946142.41	0.8	87.6	60	125	
Sc (ISICPMS)	45	No Gas	7570663.78	0.2	101.3	60	125	
Sc (ISICPMS)	45	H2	2164088.70	1.0	104.2	60	125	
Sc (ISICPMS)	45	He	88621.08	0.1	95.0	60	125	
Ge (IS)	74	H2	401519.70	0.7	104.7	60	125	
Ge (IS)	74	He	53043.33	1.7	102.4	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120490.69	1.7	94.3	60	125	
Tb (IS)	159	He	581256.60	1.1	93.3	60	125	
Bi (IS)	209	He	405451.89	0.5	94.3	60	125	

Sample Report

File Name 203SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:14:52

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	805.5	2000	
B	11	6	No Gas	-0.255	ug/l	N/A	2000	
Na	23	45	He	46.067	ug/l	12.3	500000	
Mg	24	45	He	-0.113	ug/l	N/A	500000	
Al	27	45	He	1.192	ug/l	100.6	500000	
K	39	45	He	3.719	ug/l	513.5	500000	
Ca	40	45	H2	4.276	ug/l	18.3	1000000	
Ti	47	45	No Gas	0.017	ug/l	68.8	10000	
V	51	45	He	-0.274	ug/l	N/A	5000	
Cr	52	45	He	-0.115	ug/l	N/A	20000	
Mn	55	45	He	0.076	ug/l	116.7	20000	
Fe	56	45	H2	0.980	ug/l	14.7	500000	
Co	59	45	He	0.002	ug/l	869.9	2000	
Ni	60	45	He	0.355	ug/l	62.7	20000	
Cu	63	45	He	-0.207	ug/l	N/A	20000	
Zn	66	45	He	0.243	ug/l	59.3	20000	
As	75	74	He	-0.038	ug/l	N/A	5000	
Se	78	74	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	-0.044	ug/l	N/A	5000	
Mo	95	115	He	0.041	ug/l	92.4	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.087	ug/l	96.0	2000	
Sb	121	115	He	-0.018	ug/l	N/A	1000	
Ba	137	159	He	0.335	ug/l	15.4	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	0.012	ug/l	84.1		
[Pb]	207	209	He	0.042	ug/l	45.2		
Pb	208	209	He	0.016	ug/l	33.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5988177.07	1.1	88.2	60	125	
Sc (ISICPMS)	45	No Gas	7479903.36	1.1	100.1	60	125	
Sc (ISICPMS)	45	H2	2180608.18	0.6	105.0	60	125	
Sc (ISICPMS)	45	He	88830.39	2.1	95.2	60	125	
Ge (IS)	74	H2	403527.77	1.2	105.3	60	125	
Ge (IS)	74	He	52273.20	1.5	100.9	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123309.77	0.8	96.5	60	125	
Tb (IS)	159	He	590653.76	0.4	94.8	60	125	
Bi (IS)	209	He	407166.50	0.8	94.7	60	125	

Sample Report

File Name 204SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:17:18

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	-0.233	ug/l	N/A	2000	
Na	23	45	He	39.194	ug/l	13.1	500000	
Mg	24	45	He	-0.189	ug/l	N/A	500000	
Al	27	45	He	2.558	ug/l	32.1	500000	
K	39	45	He	4.792	ug/l	211.4	500000	
Ca	40	45	H2	5.960	ug/l	17.5	1000000	
Ti	47	45	No Gas	0.041	ug/l	155.0	10000	
V	51	45	He	-0.282	ug/l	N/A	5000	
Cr	52	45	He	0.067	ug/l	381.8	20000	
Mn	55	45	He	0.186	ug/l	35.8	20000	
Fe	56	45	H2	1.122	ug/l	11.1	500000	
Co	59	45	He	0.008	ug/l	113.0	2000	
Ni	60	45	He	0.575	ug/l	28.3	20000	
Cu	63	45	He	-0.257	ug/l	N/A	20000	
Zn	66	45	He	-0.742	ug/l	N/A	20000	
As	75	74	He	-0.146	ug/l	N/A	5000	
Se	78	74	H2	-0.014	ug/l	N/A	3000	
Sr	88	115	He	-0.076	ug/l	N/A	5000	
Mo	95	115	He	0.018	ug/l	165.8	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.134	ug/l	19.6	2000	
Sb	121	115	He	-0.011	ug/l	N/A	1000	
Ba	137	159	He	0.286	ug/l	15.7	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	0.022	ug/l	21.7		
[Pb]	207	209	He	0.028	ug/l	63.5		
Pb	208	209	He	0.012	ug/l	55.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5974445.39	0.8	88.0	60	125	
Sc (ISICPMS)	45	No Gas	7481838.02	1.0	100.1	60	125	
Sc (ISICPMS)	45	H2	2200011.95	0.3	105.9	60	125	
Sc (ISICPMS)	45	He	89681.00	0.8	96.1	60	125	
Ge (IS)	74	H2	412139.03	0.1	107.5	60	125	
Ge (IS)	74	He	52591.63	1.7	101.5	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122108.48	0.6	95.6	60	125	
Tb (IS)	159	He	591392.20	0.5	94.9	60	125	
Bi (IS)	209	He	410398.27	0.4	95.5	60	125	

Sample Report

File Name 205SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:19:46

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	173.5	2000	
B	11	6	No Gas	-0.274	ug/l	N/A	2000	
Na	23	45	He	43.589	ug/l	12.4	500000	
Mg	24	45	He	-0.817	ug/l	N/A	500000	
Al	27	45	He	0.062	ug/l	614.4	500000	
K	39	45	He	1.060	ug/l	688.1	500000	
Ca	40	45	H2	5.593	ug/l	13.0	1000000	
Ti	47	45	No Gas	0.024	ug/l	533.2	10000	
V	51	45	He	-0.325	ug/l	N/A	5000	
Cr	52	45	He	0.125	ug/l	28.8	20000	
Mn	55	45	He	0.040	ug/l	124.0	20000	
Fe	56	45	H2	1.108	ug/l	19.4	500000	
Co	59	45	He	0.014	ug/l	78.9	2000	
Ni	60	45	He	0.388	ug/l	54.0	20000	
Cu	63	45	He	-0.237	ug/l	N/A	20000	
Zn	66	45	He	0.331	ug/l	130.6	20000	
As	75	74	He	-0.129	ug/l	N/A	5000	
Se	78	74	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	-0.111	ug/l	N/A	5000	
Mo	95	115	He	-0.001	ug/l	N/A	2000	
Ag	107	115	He	0.001	ug/l	278.4	1000	
Cd	111	115	He	0.000	ug/l	5207.0	5000	
Sn	118	115	He	-0.044	ug/l	N/A	2000	
Sb	121	115	He	-0.017	ug/l	N/A	1000	
Ba	137	159	He	0.344	ug/l	27.1	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	0.009	ug/l	48.8		
[Pb]	207	209	He	0.014	ug/l	165.3		
Pb	208	209	He	0.013	ug/l	52.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5911886.44	0.9	87.1	60	125	
Sc (ISICPMS)	45	No Gas	7434015.31	1.1	99.5	60	125	
Sc (ISICPMS)	45	H2	2201134.43	0.9	106.0	60	125	
Sc (ISICPMS)	45	He	88547.07	0.6	94.9	60	125	
Ge (IS)	74	H2	409521.80	0.5	106.8	60	125	
Ge (IS)	74	He	52849.63	1.4	102.0	60	125	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122265.92	0.6	95.7	60	125	
Tb (IS)	159	He	591624.39	1.3	95.0	60	125	
Bi (IS)	209	He	408509.76	1.3	95.0	60	125	

Sample Report

File Name 206SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:22:12

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	282.8	2000	
B	11	6	No Gas	-0.283	ug/l	N/A	2000	
Na	23	45	He	39.560	ug/l	14.8	500000	
Mg	24	45	He	0.352	ug/l	242.9	500000	
Al	27	45	He	1.819	ug/l	67.8	500000	
K	39	45	He	-1.768	ug/l	N/A	500000	
Ca	40	45	H2	5.038	ug/l	9.8	1000000	
Ti	47	45	No Gas	-0.105	ug/l	N/A	10000	
V	51	45	He	-0.303	ug/l	N/A	5000	
Cr	52	45	He	-0.067	ug/l	N/A	20000	
Mn	55	45	He	0.131	ug/l	51.9	20000	
Fe	56	45	H2	1.028	ug/l	30.0	500000	
Co	59	45	He	0.009	ug/l	117.5	2000	
Ni	60	45	He	0.428	ug/l	86.5	20000	
Cu	63	45	He	-0.217	ug/l	N/A	20000	
Zn	66	45	He	-0.674	ug/l	N/A	20000	
As	75	74	He	-0.127	ug/l	N/A	5000	
Se	78	74	H2	0.009	ug/l	219.3	3000	
Sr	88	115	He	-0.024	ug/l	N/A	5000	
Mo	95	115	He	0.009	ug/l	668.2	2000	
Ag	107	115	He	0.001	ug/l	281.5	1000	
Cd	111	115	He	0.013	ug/l	148.5	5000	
Sn	118	115	He	0.103	ug/l	228.1	2000	
Sb	121	115	He	-0.015	ug/l	N/A	1000	
Ba	137	159	He	0.247	ug/l	12.0	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.010	ug/l	239.4		
[Pb]	207	209	He	0.009	ug/l	326.5		
Pb	208	209	He	0.014	ug/l	57.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5934473.24	0.8	87.4	60	125	
Sc (ISICPMS)	45	No Gas	7467121.35	1.0	99.9	60	125	
Sc (ISICPMS)	45	H2	2215637.21	0.6	106.7	60	125	
Sc (ISICPMS)	45	He	89269.02	0.6	95.7	60	125	
Ge (IS)	74	H2	413560.83	1.0	107.9	60	125	
Ge (IS)	74	He	51818.02	1.7	100.0	60	125	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122338.37	1.3	95.8	60	125	
Tb (IS)	159	He	590697.24	0.5	94.8	60	125	
Bi (IS)	209	He	409109.81	0.9	95.2	60	125	

Sample Report

File Name 207SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:24:40

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	186.6	2000	
B	11	6	No Gas	-0.187	ug/l	N/A	2000	
Na	23	45	He	45.440	ug/l	7.6	500000	
Mg	24	45	He	-0.263	ug/l	N/A	500000	
Al	27	45	He	1.266	ug/l	117.2	500000	
K	39	45	He	5.752	ug/l	131.7	500000	
Ca	40	45	H2	5.151	ug/l	7.6	1000000	
Ti	47	45	No Gas	0.007	ug/l	1459.5	10000	
V	51	45	He	-0.294	ug/l	N/A	5000	
Cr	52	45	He	0.029	ug/l	777.2	20000	
Mn	55	45	He	0.020	ug/l	101.0	20000	
Fe	56	45	H2	0.983	ug/l	14.4	500000	
Co	59	45	He	0.012	ug/l	120.1	2000	
Ni	60	45	He	0.419	ug/l	26.6	20000	
Cu	63	45	He	-0.192	ug/l	N/A	20000	
Zn	66	45	He	-0.386	ug/l	N/A	20000	
As	75	74	He	-0.039	ug/l	N/A	5000	
Se	78	74	H2	0.020	ug/l	198.3	3000	
Sr	88	115	He	-0.082	ug/l	N/A	5000	
Mo	95	115	He	-0.016	ug/l	N/A	2000	
Ag	107	115	He	0.000	ug/l	2389.3	1000	
Cd	111	115	He	0.000	ug/l	5084.7	5000	
Sn	118	115	He	0.100	ug/l	95.3	2000	
Sb	121	115	He	0.013	ug/l	146.0	1000	
Ba	137	159	He	0.295	ug/l	5.7	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.015	ug/l	128.9		
[Pb]	207	209	He	0.014	ug/l	148.2		
Pb	208	209	He	0.008	ug/l	165.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5905059.36	1.9	87.0	60	125	
Sc (ISICPMS)	45	No Gas	7529006.14	1.7	100.8	60	125	
Sc (ISICPMS)	45	H2	2238574.01	1.1	107.8	60	125	
Sc (ISICPMS)	45	He	87994.93	1.0	94.3	60	125	
Ge (IS)	74	H2	417705.85	1.0	109.0	60	125	
Ge (IS)	74	He	52836.43	0.5	102.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122802.84	0.3	96.1	60	125	
Tb (IS)	159	He	593933.22	0.3	95.3	60	125	
Bi (IS)	209	He	410539.72	0.2	95.5	60	125	

Sample Report

File Name 208SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:27:07

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	252.2	2000	
B	11	6	No Gas	-0.199	ug/l	N/A	2000	
Na	23	45	He	41.337	ug/l	4.6	500000	
Mg	24	45	He	0.621	ug/l	232.1	500000	
Al	27	45	He	3.343	ug/l	52.2	500000	
K	39	45	He	3.025	ug/l	194.5	500000	
Ca	40	45	H2	5.023	ug/l	26.5	1000000	
Ti	47	45	No Gas	-0.001	ug/l	N/A	10000	
V	51	45	He	-0.246	ug/l	N/A	5000	
Cr	52	45	He	0.166	ug/l	98.8	20000	
Mn	55	45	He	0.057	ug/l	188.4	20000	
Fe	56	45	H2	1.210	ug/l	26.6	500000	
Co	59	45	He	0.012	ug/l	32.8	2000	
Ni	60	45	He	0.457	ug/l	15.8	20000	
Cu	63	45	He	-0.256	ug/l	N/A	20000	
Zn	66	45	He	0.273	ug/l	434.5	20000	
As	75	74	He	-0.109	ug/l	N/A	5000	
Se	78	74	H2	-0.014	ug/l	N/A	3000	
Sr	88	115	He	-0.014	ug/l	N/A	5000	
Mo	95	115	He	-0.013	ug/l	N/A	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.082	ug/l	157.0	2000	
Sb	121	115	He	-0.015	ug/l	N/A	1000	
Ba	137	159	He	0.256	ug/l	26.4	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.006	ug/l	351.1		
[Pb]	207	209	He	0.006	ug/l	214.8		
Pb	208	209	He	0.013	ug/l	39.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5937140.61	1.1	87.5	60	125	
Sc (ISICPMS)	45	No Gas	7456857.53	0.7	99.8	60	125	
Sc (ISICPMS)	45	H2	2222472.12	0.6	107.0	60	125	
Sc (ISICPMS)	45	He	88865.50	0.3	95.2	60	125	
Ge (IS)	74	H2	419863.01	0.3	109.5	60	125	
Ge (IS)	74	He	51854.51	2.8	100.1	60	125	
Kr	83	He	10.01	100.0	300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122636.09	0.6	96.0	60	125	
Tb (IS)	159	He	592051.73	1.0	95.0	60	125	
Bi (IS)	209	He	410190.91	0.1	95.4	60	125	

Sample Report

File Name 209SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:29:34

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	47.6	2000	
B	11	6	No Gas	-0.299	ug/l	N/A	2000	
Na	23	45	He	41.438	ug/l	18.9	500000	
Mg	24	45	He	0.103	ug/l	715.8	500000	
Al	27	45	He	0.407	ug/l	470.4	500000	
K	39	45	He	-0.045	ug/l	N/A	500000	
Ca	40	45	H2	5.679	ug/l	6.9	1000000	
Ti	47	45	No Gas	-0.011	ug/l	N/A	10000	
V	51	45	He	-0.279	ug/l	N/A	5000	
Cr	52	45	He	0.209	ug/l	184.7	20000	
Mn	55	45	He	0.067	ug/l	144.9	20000	
Fe	56	45	H2	1.128	ug/l	2.1	500000	
Co	59	45	He	0.001	ug/l	284.6	2000	
Ni	60	45	He	0.381	ug/l	24.4	20000	
Cu	63	45	He	-0.270	ug/l	N/A	20000	
Zn	66	45	He	0.045	ug/l	681.8	20000	
As	75	74	He	-0.018	ug/l	N/A	5000	
Se	78	74	H2	0.042	ug/l	47.4	3000	
Sr	88	115	He	-0.061	ug/l	N/A	5000	
Mo	95	115	He	0.009	ug/l	482.4	2000	
Ag	107	115	He	0.000	ug/l	1164.6	1000	
Cd	111	115	He	0.000	ug/l	4386.6	5000	
Sn	118	115	He	0.380	ug/l	96.6	2000	
Sb	121	115	He	-0.014	ug/l	N/A	1000	
Ba	137	159	He	0.265	ug/l	12.8	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.009	ug/l	81.6		
[Pb]	207	209	He	0.020	ug/l	190.4		
Pb	208	209	He	0.015	ug/l	64.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5923545.67	0.7	87.3	60	125	
Sc (ISICPMS)	45	No Gas	7486850.86	0.4	100.2	60	125	
Sc (ISICPMS)	45	H2	2214327.45	0.4	106.6	60	125	
Sc (ISICPMS)	45	He	88776.96	1.8	95.2	60	125	
Ge (IS)	74	H2	416885.12	0.8	108.7	60	125	
Ge (IS)	74	He	52403.92	1.9	101.1	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121778.05	0.4	95.3	60	125	
Tb (IS)	159	He	599341.50	0.4	96.2	60	125	
Bi (IS)	209	He	411581.01	0.7	95.7	60	125	

Sample Report

File Name 210SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:32:01

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	-0.192	ug/l	N/A	2000	
Na	23	45	He	41.725	ug/l	6.7	500000	
Mg	24	45	He	-0.344	ug/l	N/A	500000	
Al	27	45	He	4.938	ug/l	77.9	500000	
K	39	45	He	1.994	ug/l	694.2	500000	
Ca	40	45	H2	5.461	ug/l	7.1	1000000	
Ti	47	45	No Gas	-0.030	ug/l	N/A	10000	
V	51	45	He	-0.313	ug/l	N/A	5000	
Cr	52	45	He	-0.056	ug/l	N/A	20000	
Mn	55	45	He	0.066	ug/l	150.3	20000	
Fe	56	45	H2	1.196	ug/l	9.7	500000	
Co	59	45	He	0.004	ug/l	263.7	2000	
Ni	60	45	He	0.469	ug/l	15.4	20000	
Cu	63	45	He	-0.255	ug/l	N/A	20000	
Zn	66	45	He	-0.437	ug/l	N/A	20000	
As	75	74	He	0.001	ug/l	8278.2	5000	
Se	78	74	H2	0.054	ug/l	132.5	3000	
Sr	88	115	He	-0.058	ug/l	N/A	5000	
Mo	95	115	He	0.018	ug/l	81.7	2000	
Ag	107	115	He	-0.003	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	4614.2	5000	
Sn	118	115	He	0.005	ug/l	3052.4	2000	
Sb	121	115	He	0.007	ug/l	9.3	1000	
Ba	137	159	He	0.334	ug/l	17.7	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.023	ug/l	21.4		
[Pb]	207	209	He	0.025	ug/l	32.6		
Pb	208	209	He	0.019	ug/l	46.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5905980.12	2.7	87.0	60	125	
Sc (ISICPMS)	45	No Gas	7532619.75	0.6	100.8	60	125	
Sc (ISICPMS)	45	H2	2226719.57	0.2	107.2	60	125	
Sc (ISICPMS)	45	He	88969.77	0.7	95.4	60	125	
Ge (IS)	74	H2	417384.95	1.1	108.9	60	125	
Ge (IS)	74	He	51958.38	1.4	100.3	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122739.74	0.6	96.1	60	125	
Tb (IS)	159	He	595263.60	0.4	95.5	60	125	
Bi (IS)	209	He	411721.06	0.5	95.8	60	125	

Sample Report

File Name 211SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 00:34:28

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	-0.260	ug/l	N/A	2000	
Na	23	45	He	40.907	ug/l	5.7	500000	
Mg	24	45	He	0.112	ug/l	963.7	500000	
Al	27	45	He	0.064	ug/l	2276.6	500000	
K	39	45	He	-6.588	ug/l	N/A	500000	
Ca	40	45	H2	5.942	ug/l	10.2	1000000	
Ti	47	45	No Gas	0.047	ug/l	191.6	10000	
V	51	45	He	-0.342	ug/l	N/A	5000	
Cr	52	45	He	0.052	ug/l	540.3	20000	
Mn	55	45	He	0.062	ug/l	37.3	20000	
Fe	56	45	H2	0.979	ug/l	14.4	500000	
Co	59	45	He	0.013	ug/l	119.6	2000	
Ni	60	45	He	0.444	ug/l	25.0	20000	
Cu	63	45	He	-0.221	ug/l	N/A	20000	
Zn	66	45	He	-0.975	ug/l	N/A	20000	
As	75	74	He	-0.164	ug/l	N/A	5000	
Se	78	74	H2	-0.014	ug/l	N/A	3000	
Sr	88	115	He	-0.052	ug/l	N/A	5000	
Mo	95	115	He	-0.006	ug/l	N/A	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	4233.1	5000	
Sn	118	115	He	0.009	ug/l	957.9	2000	
Sb	121	115	He	-0.011	ug/l	N/A	1000	
Ba	137	159	He	0.266	ug/l	28.0	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	-0.003	ug/l	N/A		
[Pb]	207	209	He	0.015	ug/l	118.4		
Pb	208	209	He	0.007	ug/l	91.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5897950.81	0.8	86.9	60	125	
Sc (ISICPMS)	45	No Gas	7445221.76	0.6	99.6	60	125	
Sc (ISICPMS)	45	H2	2189863.14	0.3	105.5	60	125	
Sc (ISICPMS)	45	He	88616.71	0.9	95.0	60	125	
Ge (IS)	74	H2	412275.77	0.9	107.5	60	125	
Ge (IS)	74	He	51275.06	1.3	98.9	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122186.57	1.6	95.6	60	125	
Tb (IS)	159	He	591411.21	0.4	94.9	60	125	
Bi (IS)	209	He	409720.51	0.4	95.3	60	125	

Sample Report

File Name 212SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 01:38:50

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	-0.203	ug/l	N/A	2000	
Na	23	45	He	46.224	ug/l	7.9	500000	
Mg	24	45	He	-0.411	ug/l	N/A	500000	
Al	27	45	He	1.102	ug/l	24.6	500000	
K	39	45	He	2.774	ug/l	322.3	500000	
Ca	40	45	H2	4.517	ug/l	26.1	1000000	
Ti	47	45	No Gas	-0.056	ug/l	N/A	10000	
V	51	45	He	-0.311	ug/l	N/A	5000	
Cr	52	45	He	0.202	ug/l	58.9	20000	
Mn	55	45	He	0.109	ug/l	34.5	20000	
Fe	56	45	H2	0.694	ug/l	27.7	500000	
Co	59	45	He	0.011	ug/l	173.9	2000	
Ni	60	45	He	0.510	ug/l	13.9	20000	
Cu	63	45	He	-0.248	ug/l	N/A	20000	
Zn	66	45	He	0.308	ug/l	214.1	20000	
As	75	74	He	-0.089	ug/l	N/A	5000	
Se	78	74	H2	0.045	ug/l	118.8	3000	
Sr	88	115	He	-0.024	ug/l	N/A	5000	
Mo	95	115	He	-0.007	ug/l	N/A	2000	
Ag	107	115	He	0.001	ug/l	345.3	1000	
Cd	111	115	He	0.000	ug/l	3269.2	5000	
Sn	118	115	He	0.153	ug/l	42.3	2000	
Sb	121	115	He	-0.038	ug/l	N/A	1000	
Ba	137	159	He	0.258	ug/l	24.1	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	0.021	ug/l	116.8		
[Pb]	207	209	He	0.027	ug/l	24.5		
Pb	208	209	He	0.018	ug/l	45.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5948512.06	1.5	87.6	60	125	
Sc (ISICPMS)	45	No Gas	7502579.75	0.7	100.4	60	125	
Sc (ISICPMS)	45	H2	2161313.39	0.2	104.1	60	125	
Sc (ISICPMS)	45	He	87262.44	1.0	93.5	60	125	
Ge (IS)	74	H2	404463.79	0.2	105.5	60	125	
Ge (IS)	74	He	51365.32	1.8	99.1	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120311.03	0.2	94.2	60	125	
Tb (IS)	159	He	582220.62	0.5	93.5	60	125	
Bi (IS)	209	He	400487.71	0.2	93.2	60	125	

Sample Report

File Name 213SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 01:41:18

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	0.0	2000	
B	11	6	No Gas	-0.154	ug/l	N/A	2000	
Na	23	45	He	37.147	ug/l	12.1	500000	
Mg	24	45	He	0.277	ug/l	201.4	500000	
Al	27	45	He	0.628	ug/l	310.1	500000	
K	39	45	He	-9.738	ug/l	N/A	500000	
Ca	40	45	H2	4.863	ug/l	16.0	1000000	
Ti	47	45	No Gas	-0.037	ug/l	N/A	10000	
V	51	45	He	-0.342	ug/l	N/A	5000	
Cr	52	45	He	-0.105	ug/l	N/A	20000	
Mn	55	45	He	0.054	ug/l	170.4	20000	
Fe	56	45	H2	0.691	ug/l	22.1	500000	
Co	59	45	He	0.007	ug/l	104.9	2000	
Ni	60	45	He	0.339	ug/l	32.1	20000	
Cu	63	45	He	-0.303	ug/l	N/A	20000	
Zn	66	45	He	-0.722	ug/l	N/A	20000	
As	75	74	He	-0.035	ug/l	N/A	5000	
Se	78	74	H2	-0.025	ug/l	N/A	3000	
Sr	88	115	He	-0.069	ug/l	N/A	5000	
Mo	95	115	He	-0.005	ug/l	N/A	2000	
Ag	107	115	He	0.001	ug/l	127.5	1000	
Cd	111	115	He	0.007	ug/l	165.4	5000	
Sn	118	115	He	0.194	ug/l	13.3	2000	
Sb	121	115	He	0.002	ug/l	1754.5	1000	
Ba	137	159	He	0.317	ug/l	30.2	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	0.017	ug/l	71.6		
[Pb]	207	209	He	0.019	ug/l	35.1		
Pb	208	209	He	0.014	ug/l	80.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6057874.77	0.9	89.3	60	125	
Sc (ISICPMS)	45	No Gas	7527649.40	1.1	100.7	60	125	
Sc (ISICPMS)	45	H2	2185971.60	0.8	105.3	60	125	
Sc (ISICPMS)	45	He	88676.76	0.4	95.0	60	125	
Ge (IS)	74	H2	408555.31	1.1	106.6	60	125	
Ge (IS)	74	He	52028.90	2.8	100.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120508.44	0.7	94.3	60	125	
Tb (IS)	159	He	585336.71	0.2	94.0	60	125	
Bi (IS)	209	He	403687.33	0.1	93.9	60	125	

Continuing Calibration Verification (CCV)

File Name 214_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 01:43:44

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.247	ug/l	0.7	100	90	110	
B	11	6	No Gas	251.553	ug/l	1.4	250	225	275	
Na	23	45	He	25285.400	ug/l	1.3	25000	22500	27500	
Mg	24	45	He	25305.511	ug/l	1.7	25000	22500	27500	
Al	27	45	He	24417.928	ug/l	0.9	25000	22500	27500	
K	39	45	He	24729.833	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	24593.947	ug/l	0.1	25000	22500	27500	
Ti	47	45	No Gas	97.118	ug/l	0.8	100	90	110	
V	51	45	He	98.860	ug/l	3.1	100	90	110	
Cr	52	45	He	100.657	ug/l	1.8	100	90	110	
Mn	55	45	He	99.555	ug/l	2.1	100	90	110	
Fe	56	45	H2	25691.578	ug/l	1.6	25000	22500	27500	
Co	59	45	He	101.959	ug/l	1.0	100	90	110	
Ni	60	45	He	103.046	ug/l	1.1	100	90	110	
Cu	63	45	He	101.955	ug/l	1.4	100	90	110	
Zn	66	45	He	252.658	ug/l	2.1	250	225	275	
As	75	74	He	95.122	ug/l	5.3	100	90	110	
Se	78	74	H2	99.154	ug/l	1.3	100	90	110	
Sr	88	115	He	97.432	ug/l	1.6	100	90	110	
Mo	95	115	He	102.702	ug/l	1.7	100	90	110	
Ag	107	115	He	51.928	ug/l	1.5	50	45	55	
Cd	111	115	He	100.715	ug/l	1.9	100	90	110	
Sn	118	115	He	101.285	ug/l	0.7	100	90	110	
Sb	121	115	He	99.407	ug/l	2.7	100	90	110	
Ba	137	159	He	97.280	ug/l	0.4	100	90	110	
Tl	205	209	He	98.502	ug/l	0.5	100	90	110	
[Pb]	206	209	He	99.953	ug/l	1.1				
[Pb]	207	209	He	98.885	ug/l	1.0				
Pb	208	209	He	99.480	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5985207.13	1.4	88.2	60	125	
Sc (ISICPMS)	45	No Gas	7299515.72	0.4	97.7	60	125	
Sc (ISICPMS)	45	H2	2119765.84	1.0	102.1	60	125	
Sc (ISICPMS)	45	He	86854.40	1.1	93.1	60	125	
Ge (IS)	74	H2	415576.20	0.7	108.4	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52537.94	3.4	101.4	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	118125.94	1.4	92.5	60	125	
Tb (IS)	159	He	588206.33	0.6	94.4	60	125	
Bi (IS)	209	He	397029.16	0.5	92.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 215_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 01:46:10

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.010	ug/l	22.8	0.8	-0.8	0.8	
B	11	6	No Gas	1.716	ug/l	10.9	40	-40	40	
Na	23	45	He	37.647	ug/l	8.7	500	-500	500	
Mg	24	45	He	0.157	ug/l	584.2	200	-200	200	
Al	27	45	He	2.072	ug/l	74.7	40	-40	40	
K	39	45	He	-7.071	ug/l	N/A	200	-200	200	
Ca	40	45	H2	-0.531	ug/l	N/A	500	-500	500	
Ti	47	45	No Gas	0.093	ug/l	77.4	4	-4	4	
V	51	45	He	-0.314	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.100	ug/l	126.4	4	-4	4	
Mn	55	45	He	-0.065	ug/l	N/A	8	-8	8	
Fe	56	45	H2	1.327	ug/l	8.2	60	-60	60	
Co	59	45	He	0.013	ug/l	33.1	4	-4	4	
Ni	60	45	He	0.260	ug/l	74.7	4	-4	4	
Cu	63	45	He	-0.257	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.500	ug/l	N/A	16	-16	16	
As	75	74	He	-0.109	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.113	ug/l	34.3	2.5	-2.5	2.5	
Sr	88	115	He	-0.015	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.017	ug/l	236.7	4	-4	4	
Ag	107	115	He	0.005	ug/l	48.1	2	-2	2	
Cd	111	115	He	-0.006	ug/l	0.0	2	-2	2	
Sn	118	115	He	0.133	ug/l	38.8	16	-16	16	
Sb	121	115	He	0.006	ug/l	593.7	2	-2	2	
Ba	137	159	He	0.247	ug/l	36.0	4	-4	4	
Tl	205	209	He	-0.005	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.018	ug/l	55.4				
[Pb]	207	209	He	0.022	ug/l	13.3				
Pb	208	209	He	0.010	ug/l	86.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5954626.44	0.8	87.7	60	125	
Sc (ISICPMS)	45	No Gas	7298426.35	0.1	97.7	60	125	
Sc (ISICPMS)	45	H2	2155785.33	0.3	103.8	60	125	
Sc (ISICPMS)	45	He	87997.99	0.8	94.3	60	125	
Ge (IS)	74	H2	408049.91	1.0	106.4	60	125	
Ge (IS)	74	He	51579.95	0.7	99.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	120729.13	0.9	94.5	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	587834.34	0.5	94.4	60	125	
Bi (IS)	209	He	409058.23	1.0	95.2	60	125	

Interference Check Standard-A (ICSA)

File Name 216ICSA.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 01:56:49

Sample Name **ICSA 11747949**

Comment ---

Dilution 1.0000

Full Quant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.008	ug/l	16.0	0.8	-1.6	1.6	
B	11	6	No Gas	0.420	ug/l	47.0	80	-160	160	
Na	23	45	He	103179.502	ug/l	1.7	100000	80000	120000	
Mg	24	45	He	101298.781	ug/l	2.1	100000	80000	120000	
Al	27	45	He	102433.609	ug/l	2.1	100000	80000	120000	
K	39	45	He	100214.359	ug/l	2.1	100000	80000	120000	
Ca	40	45	H2	96258.253	ug/l	2.2	100000	80000	120000	
Ti	47	45	No Gas	2098.704	ug/l	0.4	2000	1600	2400	
V	51	45	He	-0.386	ug/l	N/A	4	-8	8	
Cr	52	45	He	0.360	ug/l	28.4	4	-8	8	
Mn	55	45	He	0.796	ug/l	16.0	8	-16	16	
Fe	56	45	H2	99117.871	ug/l	2.9	100000	80000	120000	
Co	59	45	He	0.330	ug/l	9.0	4	-8	8	
Ni	60	45	He	0.300	ug/l	60.6	4	-8	8	
Cu	63	45	He	-0.060	ug/l	N/A	4	-8	8	
Zn	66	45	He	1.125	ug/l	53.7	16	-32	32	
As	75	74	He	0.045	ug/l	177.5	2	-4	4	
Se	78	74	H2	0.108	ug/l	35.7	2.5	-5	5	
Sr	88	115	He	0.579	ug/l	9.8	4	-8	8	
Mo	95	115	He	2045.290	ug/l	0.2	2000	-4000	4000	
Ag	107	115	He	0.039	ug/l	2.5	2	-4	4	
Cd	111	115	He	0.353	ug/l	18.1	2	-4	4	
Sn	118	115	He	0.198	ug/l	71.9	16	-32	32	
Sb	121	115	He	0.230	ug/l	36.6	2	-4	4	
Ba	137	159	He	0.946	ug/l	20.4	4	-8	8	
Tl	205	209	He	-0.013	ug/l	N/A	0.8	-1.6	1.6	
[Pb]	206	209	He	0.165	ug/l	17.2				
[Pb]	207	209	He	0.148	ug/l	12.1				
Pb	208	209	He	0.166	ug/l	6.1	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5861657.14	1.6	86.4	60	125	
Sc (ISICPMS)	45	No Gas	7247250.17	1.6	97.0	60	125	
Sc (ISICPMS)	45	H2	2126055.60	0.6	102.4	60	125	
Sc (ISICPMS)	45	He	84571.21	2.3	90.6	60	125	
Ge (IS)	74	H2	421440.60	0.1	109.9	60	125	
Ge (IS)	74	He	54276.18	1.6	104.7	60	125	

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	114573.55	0.6	89.7	60	125	
Tb (IS)	159	He	576379.43	0.6	92.5	60	125	
Bi (IS)	209	He	382178.95	0.8	88.9	60	125	

Interference Check Standard-AB (ICSAB)

File Name 217ICSB.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 01:59:18

Sample Name **ICSAB 11747951**

Comment ---

Dilution 1.0000

Full Quant Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	188.831	ug/l	2.4	200	-400	400	
B	11	6	No Gas	1.100	ug/l	6.8				
Na	23	45	He	101281.385	ug/l	0.4	100000	80000	120000	
Mg	24	45	He	99664.456	ug/l	1.0	100000	80000	120000	
Al	27	45	He	99861.026	ug/l	0.9	100000	80000	120000	
K	39	45	He	98712.308	ug/l	0.8	100000	80000	120000	
Ca	40	45	H2	98159.425	ug/l	1.1	100000	80000	120000	
Ti	47	45	No Gas	2083.401	ug/l	0.8	2000	1600	2400	
V	51	45	He	195.579	ug/l	1.7	200	160	240	
Cr	52	45	He	195.905	ug/l	0.4	200	160	240	
Mn	55	45	He	186.085	ug/l	0.9	200	160	240	
Fe	56	45	H2	101412.277	ug/l	1.6	100000	80000	120000	
Co	59	45	He	198.235	ug/l	1.2	200	160	240	
Ni	60	45	He	198.058	ug/l	1.4	200	160	240	
Cu	63	45	He	194.439	ug/l	1.0	200	160	240	
Zn	66	45	He	203.009	ug/l	1.4	200	160	240	
As	75	74	He	184.743	ug/l	4.6	200	160	240	
Se	78	74	H2	184.478	ug/l	0.5	200	160	240	
Sr	88	115	He	191.056	ug/l	1.5	200	-400	400	
Mo	95	115	He	2045.461	ug/l	1.8	2000	1600	2400	
Ag	107	115	He	200.588	ug/l	1.2	200	160	240	
Cd	111	115	He	196.063	ug/l	0.9	200	160	240	
Sn	118	115	He	197.917	ug/l	1.2	200	-400	400	
Sb	121	115	He	98.558	ug/l	1.9	100	-200	200	
Ba	137	159	He	190.734	ug/l	2.2	200	-400	400	
Tl	205	209	He	99.549	ug/l	0.7	100	-200	200	
[Pb]	206	209	He	198.965	ug/l	0.6				
[Pb]	207	209	He	194.675	ug/l	1.2				
Pb	208	209	He	196.938	ug/l	1.3	200	-400	400	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5991844.98	1.5	88.3	60	125	
Sc (ISICPMS)	45	No Gas	7262461.84	1.1	97.2	60	125	
Sc (ISICPMS)	45	H2	2104779.22	0.5	101.4	60	125	
Sc (ISICPMS)	45	He	85179.12	0.3	91.3	60	125	
Ge (IS)	74	H2	425591.78	0.5	111.0	60	125	
Ge (IS)	74	He	53321.47	2.8	102.9	60	125	

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	115289.68	1.5	90.2	60	125	
Tb (IS)	159	He	578175.37	1.5	92.8	60	125	
Bi (IS)	209	He	386525.84	1.1	89.9	60	125	

Sample Report

File Name 218SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:01:47

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	10.1	2000	
B	11	6	No Gas	-0.185	ug/l	N/A	2000	
Na	23	45	He	62.576	ug/l	1.5	500000	
Mg	24	45	He	2.979	ug/l	28.6	500000	
Al	27	45	He	4.924	ug/l	31.1	500000	
K	39	45	He	-2.493	ug/l	N/A	500000	
Ca	40	45	H2	8.829	ug/l	4.4	1000000	
Ti	47	45	No Gas	0.461	ug/l	31.4	10000	
V	51	45	He	-0.410	ug/l	N/A	5000	
Cr	52	45	He	0.027	ug/l	800.4	20000	
Mn	55	45	He	0.040	ug/l	138.7	20000	
Fe	56	45	H2	6.204	ug/l	3.8	500000	
Co	59	45	He	0.016	ug/l	21.9	2000	
Ni	60	45	He	0.285	ug/l	50.8	20000	
Cu	63	45	He	-0.208	ug/l	N/A	20000	
Zn	66	45	He	-0.217	ug/l	N/A	20000	
As	75	74	He	0.025	ug/l	404.6	5000	
Se	78	74	H2	0.056	ug/l	155.4	3000	
Sr	88	115	He	-0.072	ug/l	N/A	5000	
Mo	95	115	He	0.307	ug/l	31.6	2000	
Ag	107	115	He	0.008	ug/l	87.1	1000	
Cd	111	115	He	0.007	ug/l	164.0	5000	
Sn	118	115	He	0.124	ug/l	153.1	2000	
Sb	121	115	He	-0.016	ug/l	N/A	1000	
Ba	137	159	He	0.326	ug/l	41.8	20000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
[Pb]	206	209	He	0.019	ug/l	62.7		
[Pb]	207	209	He	0.032	ug/l	20.0		
Pb	208	209	He	0.021	ug/l	34.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6087656.65	0.6	89.7	60	125	
Sc (ISICPMS)	45	No Gas	7302371.49	0.6	97.7	60	125	
Sc (ISICPMS)	45	H2	2136157.05	0.3	102.9	60	125	
Sc (ISICPMS)	45	He	85645.56	1.0	91.8	60	125	
Ge (IS)	74	H2	404449.19	0.5	105.5	60	125	
Ge (IS)	74	He	50789.25	1.2	98.0	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119332.68	0.6	93.4	60	125	
Tb (IS)	159	He	587524.36	0.4	94.3	60	125	
Bi (IS)	209	He	409757.74	0.9	95.3	60	125	

Sample Report

File Name 219SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:04:14

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	112.2	2000	
B	11	6	No Gas	-0.061	ug/l	N/A	2000	
Na	23	45	He	56.822	ug/l	11.8	500000	
Mg	24	45	He	0.720	ug/l	205.2	500000	
Al	27	45	He	1.697	ug/l	71.6	500000	
K	39	45	He	-8.595	ug/l	N/A	500000	
Ca	40	45	H2	5.172	ug/l	12.3	1000000	
Ti	47	45	No Gas	0.212	ug/l	25.0	10000	
V	51	45	He	-0.351	ug/l	N/A	5000	
Cr	52	45	He	0.063	ug/l	287.0	20000	
Mn	55	45	He	0.032	ug/l	44.1	20000	
Fe	56	45	H2	2.794	ug/l	6.3	500000	
Co	59	45	He	0.005	ug/l	210.9	2000	
Ni	60	45	He	0.259	ug/l	28.5	20000	
Cu	63	45	He	-0.237	ug/l	N/A	20000	
Zn	66	45	He	-1.054	ug/l	N/A	20000	
As	75	74	He	-0.052	ug/l	N/A	5000	
Se	78	74	H2	0.067	ug/l	103.0	3000	
Sr	88	115	He	-0.038	ug/l	N/A	5000	
Mo	95	115	He	0.119	ug/l	19.8	2000	
Ag	107	115	He	0.006	ug/l	84.2	1000	
Cd	111	115	He	0.007	ug/l	164.2	5000	
Sn	118	115	He	0.236	ug/l	40.6	2000	
Sb	121	115	He	-0.028	ug/l	N/A	1000	
Ba	137	159	He	0.357	ug/l	13.4	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	0.017	ug/l	165.5		
[Pb]	207	209	He	0.033	ug/l	12.0		
Pb	208	209	He	0.019	ug/l	22.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5978139.98	2.0	88.1	60	125	
Sc (ISICPMS)	45	No Gas	7387572.74	0.3	98.9	60	125	
Sc (ISICPMS)	45	H2	2174707.55	0.8	104.7	60	125	
Sc (ISICPMS)	45	He	87271.13	2.0	93.5	60	125	
Ge (IS)	74	H2	408592.57	0.3	106.6	60	125	
Ge (IS)	74	He	51265.26	0.5	98.9	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119526.05	0.8	93.6	60	125	
Tb (IS)	159	He	584910.12	1.2	93.9	60	125	
Bi (IS)	209	He	410113.91	0.5	95.4	60	125	

Sample Report

File Name 220SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:06:42

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	190.3	2000	
B	11	6	No Gas	0.003	ug/l	3033.8	2000	
Na	23	45	He	55.705	ug/l	5.5	500000	
Mg	24	45	He	0.737	ug/l	80.1	500000	
Al	27	45	He	2.529	ug/l	61.1	500000	
K	39	45	He	1.861	ug/l	1053.6	500000	
Ca	40	45	H2	5.102	ug/l	7.4	1000000	
Ti	47	45	No Gas	0.188	ug/l	63.4	10000	
V	51	45	He	-0.384	ug/l	N/A	5000	
Cr	52	45	He	-0.050	ug/l	N/A	20000	
Mn	55	45	He	0.070	ug/l	140.2	20000	
Fe	56	45	H2	2.147	ug/l	12.0	500000	
Co	59	45	He	0.013	ug/l	101.5	2000	
Ni	60	45	He	0.463	ug/l	46.7	20000	
Cu	63	45	He	-0.245	ug/l	N/A	20000	
Zn	66	45	He	0.289	ug/l	317.2	20000	
As	75	74	He	-0.111	ug/l	N/A	5000	
Se	78	74	H2	0.066	ug/l	51.6	3000	
Sr	88	115	He	-0.046	ug/l	N/A	5000	
Mo	95	115	He	0.091	ug/l	50.7	2000	
Ag	107	115	He	0.004	ug/l	86.6	1000	
Cd	111	115	He	0.000	ug/l	3965.9	5000	
Sn	118	115	He	0.025	ug/l	419.3	2000	
Sb	121	115	He	-0.007	ug/l	N/A	1000	
Ba	137	159	He	0.297	ug/l	6.0	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.001	ug/l	2602.4		
[Pb]	207	209	He	0.019	ug/l	70.5		
Pb	208	209	He	0.013	ug/l	60.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5970323.87	0.7	88.0	60	125	
Sc (ISICPMS)	45	No Gas	7524096.34	0.5	100.7	60	125	
Sc (ISICPMS)	45	H2	2205153.33	0.8	106.2	60	125	
Sc (ISICPMS)	45	He	87970.21	0.1	94.3	60	125	
Ge (IS)	74	H2	413561.55	0.7	107.9	60	125	
Ge (IS)	74	He	52611.46	1.3	101.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121409.20	0.2	95.0	60	125	
Tb (IS)	159	He	588080.31	0.6	94.4	60	125	
Bi (IS)	209	He	414688.27	0.9	96.5	60	125	

Continuing Calibration Verification (CCV)

File Name 221_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:09:08

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.331	ug/l	1.6	100	90	110	
B	11	6	No Gas	252.779	ug/l	1.8	250	225	275	
Na	23	45	He	25657.076	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	25205.632	ug/l	0.5	25000	22500	27500	
Al	27	45	He	24267.409	ug/l	0.7	25000	22500	27500	
K	39	45	He	24776.822	ug/l	0.2	25000	22500	27500	
Ca	40	45	H2	24627.256	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	96.795	ug/l	1.3	100	90	110	
V	51	45	He	100.388	ug/l	1.0	100	90	110	
Cr	52	45	He	101.175	ug/l	0.5	100	90	110	
Mn	55	45	He	100.527	ug/l	0.3	100	90	110	
Fe	56	45	H2	25577.314	ug/l	0.9	25000	22500	27500	
Co	59	45	He	103.068	ug/l	1.1	100	90	110	
Ni	60	45	He	103.724	ug/l	0.4	100	90	110	
Cu	63	45	He	102.495	ug/l	1.1	100	90	110	
Zn	66	45	He	258.844	ug/l	0.6	250	225	275	
As	75	74	He	97.167	ug/l	1.7	100	90	110	
Se	78	74	H2	99.639	ug/l	0.2	100	90	110	
Sr	88	115	He	97.666	ug/l	0.6	100	90	110	
Mo	95	115	He	103.109	ug/l	0.9	100	90	110	
Ag	107	115	He	51.970	ug/l	1.0	50	45	55	
Cd	111	115	He	102.417	ug/l	2.4	100	90	110	
Sn	118	115	He	101.548	ug/l	0.8	100	90	110	
Sb	121	115	He	98.682	ug/l	0.6	100	90	110	
Ba	137	159	He	97.056	ug/l	1.5	100	90	110	
Tl	205	209	He	98.583	ug/l	1.4	100	90	110	
[Pb]	206	209	He	100.197	ug/l	0.5				
[Pb]	207	209	He	99.576	ug/l	1.5				
Pb	208	209	He	99.626	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6077919.01	0.3	89.6	60	125	
Sc (ISICPMS)	45	No Gas	7496614.68	2.0	100.3	60	125	
Sc (ISICPMS)	45	H2	2187453.01	0.9	105.3	60	125	
Sc (ISICPMS)	45	He	86786.22	0.6	93.0	60	125	
Ge (IS)	74	H2	423234.43	1.0	110.4	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53321.51	1.4	102.9	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	118709.02	0.9	92.9	60	125	
Tb (IS)	159	He	589897.38	0.5	94.7	60	125	
Bi (IS)	209	He	402908.14	0.7	93.7	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 222_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:11:35

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.005	ug/l	40.8	0.8	-0.8	0.8	
B	11	6	No Gas	1.708	ug/l	13.0	40	-40	40	
Na	23	45	He	57.403	ug/l	0.9	500	-500	500	
Mg	24	45	He	1.234	ug/l	42.2	200	-200	200	
Al	27	45	He	2.842	ug/l	56.1	40	-40	40	
K	39	45	He	0.922	ug/l	1801.8	200	-200	200	
Ca	40	45	H2	0.180	ug/l	155.0	500	-500	500	
Ti	47	45	No Gas	0.158	ug/l	76.3	4	-4	4	
V	51	45	He	-0.465	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.186	ug/l	69.3	4	-4	4	
Mn	55	45	He	0.005	ug/l	1380.4	8	-8	8	
Fe	56	45	H2	2.288	ug/l	19.5	60	-60	60	
Co	59	45	He	0.027	ug/l	43.2	4	-4	4	
Ni	60	45	He	-0.011	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.235	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.739	ug/l	N/A	16	-16	16	
As	75	74	He	-0.107	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.077	ug/l	25.7	2.5	-2.5	2.5	
Sr	88	115	He	-0.066	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.059	ug/l	56.1	4	-4	4	
Ag	107	115	He	0.008	ug/l	63.4	2	-2	2	
Cd	111	115	He	0.000	ug/l	3294.6	2	-2	2	
Sn	118	115	He	0.169	ug/l	25.6	16	-16	16	
Sb	121	115	He	0.001	ug/l	1791.2	2	-2	2	
Ba	137	159	He	0.227	ug/l	41.9	4	-4	4	
Tl	205	209	He	-0.006	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.001	ug/l	N/A				
[Pb]	207	209	He	0.016	ug/l	101.3				
Pb	208	209	He	0.016	ug/l	9.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5878056.16	1.4	86.6	60	125	
Sc (ISICPMS)	45	No Gas	7439829.61	0.7	99.6	60	125	
Sc (ISICPMS)	45	H2	2207521.13	0.2	106.3	60	125	
Sc (ISICPMS)	45	He	87281.04	0.7	93.5	60	125	
Ge (IS)	74	H2	413605.09	0.6	107.9	60	125	
Ge (IS)	74	He	50986.85	1.3	98.4	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	121675.65	1.6	95.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	591924.19	0.3	95.0	60	125	
Bi (IS)	209	He	412330.39	0.3	95.9	60	125	

Sample Report

File Name 223SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:14:00

Sample Name **MB 460-974330/1-A**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	77.5	2000	
B	11	6	No Gas	0.469	ug/l	35.4	2000	
Na	23	45	He	57.211	ug/l	6.3	500000	
Mg	24	45	He	0.794	ug/l	67.6	500000	
Al	27	45	He	1.850	ug/l	70.3	500000	
K	39	45	He	-1.416	ug/l	N/A	500000	
Ca	40	45	H2	1.613	ug/l	14.1	1000000	
Ti	47	45	No Gas	0.047	ug/l	199.9	10000	
V	51	45	He	-0.413	ug/l	N/A	5000	
Cr	52	45	He	-0.400	ug/l	N/A	20000	
Mn	55	45	He	0.088	ug/l	32.1	20000	
Fe	56	45	H2	1.749	ug/l	5.9	500000	
Co	59	45	He	0.021	ug/l	48.4	2000	
Ni	60	45	He	0.147	ug/l	187.2	20000	
Cu	63	45	He	-0.182	ug/l	N/A	20000	
Zn	66	45	He	-1.888	ug/l	N/A	20000	
As	75	74	He	-0.034	ug/l	N/A	5000	
Se	78	74	H2	0.076	ug/l	24.6	3000	
Sr	88	115	He	-0.090	ug/l	N/A	5000	
Mo	95	115	He	0.033	ug/l	98.6	2000	
Ag	107	115	He	0.001	ug/l	151.6	1000	
Cd	111	115	He	0.000	ug/l	5185.2	5000	
Sn	118	115	He	0.266	ug/l	52.2	2000	
Sb	121	115	He	-0.005	ug/l	N/A	1000	
Ba	137	159	He	0.277	ug/l	10.5	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.014	ug/l	167.0		
[Pb]	207	209	He	0.024	ug/l	151.8		
Pb	208	209	He	0.017	ug/l	66.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5870435.40	1.1	86.5	60	125	
Sc (ISICPMS)	45	No Gas	7604410.16	2.0	101.8	60	125	
Sc (ISICPMS)	45	H2	2232578.58	0.8	107.5	60	125	
Sc (ISICPMS)	45	He	87941.22	1.0	94.3	60	125	
Ge (IS)	74	H2	416721.66	0.7	108.7	60	125	
Ge (IS)	74	He	51482.61	1.0	99.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121761.88	1.0	95.3	60	125	
Tb (IS)	159	He	585352.10	0.7	94.0	60	125	
Bi (IS)	209	He	411998.98	0.8	95.8	60	125	

Sample Report

File Name 224SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:16:27

Sample Name **MB 460-974721/1-A**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	138.3	2000	
B	11	6	No Gas	7.159	ug/l	2.6	2000	
Na	23	45	He	70.722	ug/l	5.5	500000	
Mg	24	45	He	1.167	ug/l	59.8	500000	
Al	27	45	He	7.900	ug/l	22.1	500000	
K	39	45	He	-1.693	ug/l	N/A	500000	
Ca	40	45	H2	11.417	ug/l	0.3	1000000	
Ti	47	45	No Gas	0.002	ug/l	6951.3	10000	
V	51	45	He	-0.412	ug/l	N/A	5000	
Cr	52	45	He	0.121	ug/l	80.8	20000	
Mn	55	45	He	0.146	ug/l	17.8	20000	
Fe	56	45	H2	4.570	ug/l	2.7	500000	
Co	59	45	He	0.006	ug/l	120.2	2000	
Ni	60	45	He	0.330	ug/l	12.8	20000	
Cu	63	45	He	-0.085	ug/l	N/A	20000	
Zn	66	45	He	-1.768	ug/l	N/A	20000	
As	75	74	He	-0.020	ug/l	N/A	5000	
Se	78	74	H2	0.054	ug/l	131.0	3000	
Sr	88	115	He	-0.021	ug/l	N/A	5000	
Mo	95	115	He	0.034	ug/l	120.1	2000	
Ag	107	115	He	0.008	ug/l	39.8	1000	
Cd	111	115	He	0.007	ug/l	166.0	5000	
Sn	118	115	He	0.110	ug/l	67.4	2000	
Sb	121	115	He	-0.001	ug/l	N/A	1000	
Ba	137	159	He	0.366	ug/l	21.9	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.013	ug/l	105.5		
[Pb]	207	209	He	0.011	ug/l	215.8		
Pb	208	209	He	0.014	ug/l	70.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5911504.63	1.1	87.1	60	125	
Sc (ISICPMS)	45	No Gas	7578192.74	1.2	101.4	60	125	
Sc (ISICPMS)	45	H2	2229599.65	0.7	107.4	60	125	
Sc (ISICPMS)	45	He	88168.91	0.6	94.5	60	125	
Ge (IS)	74	H2	415671.44	0.3	108.4	60	125	
Ge (IS)	74	He	52742.24	0.3	101.8	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121083.51	0.7	94.8	60	125	
Tb (IS)	159	He	588591.07	1.0	94.5	60	125	
Bi (IS)	209	He	411677.79	0.6	95.8	60	125	

Sample Report

File Name 225SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:18:54

Sample Name **LCS 460-974721/2-A**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.053	ug/l	1.7	2000	
B	11	6	No Gas	518.154	ug/l	1.1	2000	
Na	23	45	He	2622.166	ug/l	0.8	500000	
Mg	24	45	He	2519.483	ug/l	1.1	500000	
Al	27	45	He	2450.359	ug/l	0.3	500000	
K	39	45	He	2460.032	ug/l	1.1	500000	
Ca	40	45	H2	2455.466	ug/l	1.3	1000000	
Ti	47	45	No Gas	47.379	ug/l	1.0	10000	
V	51	45	He	48.999	ug/l	1.2	5000	
Cr	52	45	He	51.884	ug/l	1.4	20000	
Mn	55	45	He	240.481	ug/l	1.4	20000	
Fe	56	45	H2	2561.997	ug/l	1.3	500000	
Co	59	45	He	25.852	ug/l	0.4	2000	
Ni	60	45	He	52.162	ug/l	1.2	20000	
Cu	63	45	He	52.022	ug/l	0.8	20000	
Zn	66	45	He	248.536	ug/l	0.6	20000	
As	75	74	He	50.729	ug/l	1.1	5000	
Se	78	74	H2	48.487	ug/l	2.1	3000	
Sr	88	115	He	48.384	ug/l	0.3	5000	
Mo	95	115	He	50.462	ug/l	1.8	2000	
Ag	107	115	He	18.660	ug/l	0.2	1000	
Cd	111	115	He	24.234	ug/l	1.7	5000	
Sn	118	115	He	50.443	ug/l	0.7	2000	
Sb	121	115	He	24.355	ug/l	2.8	1000	
Ba	137	159	He	48.327	ug/l	1.5	20000	
Tl	205	209	He	19.327	ug/l	0.4	1000	
[Pb]	206	209	He	24.842	ug/l	1.8		
[Pb]	207	209	He	24.141	ug/l	0.7		
Pb	208	209	He	24.404	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5939168.80	1.4	87.5	60	125	
Sc (ISICPMS)	45	No Gas	7618739.96	0.9	102.0	60	125	
Sc (ISICPMS)	45	H2	2245952.33	1.2	108.2	60	125	
Sc (ISICPMS)	45	He	88719.14	0.6	95.1	60	125	
Ge (IS)	74	H2	419666.71	1.3	109.5	60	125	
Ge (IS)	74	He	52149.47	1.7	100.6	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121184.58	0.5	94.9	60	125	
Tb (IS)	159	He	595403.28	1.1	95.6	60	125	
Bi (IS)	209	He	411922.81	0.6	95.8	60	125	

Sample Report

File Name 226SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:21:21

Sample Name **MB 460-975350/5-A**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	12.7	2000	
B	11	6	No Gas	3.596	ug/l	7.0	2000	
Na	23	45	He	57.195	ug/l	7.2	500000	
Mg	24	45	He	0.446	ug/l	235.4	500000	
Al	27	45	He	-0.656	ug/l	N/A	500000	
K	39	45	He	-6.261	ug/l	N/A	500000	
Ca	40	45	H2	-0.459	ug/l	N/A	1000000	
Ti	47	45	No Gas	0.118	ug/l	91.3	10000	
V	51	45	He	-0.397	ug/l	N/A	5000	
Cr	52	45	He	0.040	ug/l	108.7	20000	
Mn	55	45	He	0.074	ug/l	91.8	20000	
Fe	56	45	H2	1.776	ug/l	12.3	500000	
Co	59	45	He	0.007	ug/l	37.4	2000	
Ni	60	45	He	0.406	ug/l	25.3	20000	
Cu	63	45	He	-0.240	ug/l	N/A	20000	
Zn	66	45	He	-2.137	ug/l	N/A	20000	
As	75	74	He	-0.002	ug/l	N/A	5000	
Se	78	74	H2	0.020	ug/l	195.2	3000	
Sr	88	115	He	-0.091	ug/l	N/A	5000	
Mo	95	115	He	0.061	ug/l	65.8	2000	
Ag	107	115	He	0.003	ug/l	34.1	1000	
Cd	111	115	He	0.013	ug/l	146.8	5000	
Sn	118	115	He	0.209	ug/l	9.4	2000	
Sb	121	115	He	-0.024	ug/l	N/A	1000	
Ba	137	159	He	0.315	ug/l	14.2	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	0.019	ug/l	33.7		
[Pb]	207	209	He	0.015	ug/l	104.7		
Pb	208	209	He	0.018	ug/l	62.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5932675.19	0.9	87.4	60	125	
Sc (ISICPMS)	45	No Gas	7508272.04	0.9	100.5	60	125	
Sc (ISICPMS)	45	H2	2191796.23	0.2	105.5	60	125	
Sc (ISICPMS)	45	He	88974.36	0.7	95.4	60	125	
Ge (IS)	74	H2	415844.85	1.1	108.5	60	125	
Ge (IS)	74	He	52758.71	0.2	101.8	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122262.99	0.8	95.7	60	125	
Tb (IS)	159	He	591540.96	0.2	95.0	60	125	
Bi (IS)	209	He	409729.29	0.7	95.3	60	125	

Sample Report

File Name 227SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:23:47

Sample Name **LCS 460-975350/6-A**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.685	ug/l	1.2	2000	
B	11	6	No Gas	527.945	ug/l	1.3	2000	
Na	23	45	He	2537.575	ug/l	0.9	500000	
Mg	24	45	He	2442.996	ug/l	0.8	500000	
Al	27	45	He	2394.637	ug/l	2.2	500000	
K	39	45	He	2447.707	ug/l	0.5	500000	
Ca	40	45	H2	2460.236	ug/l	1.4	1000000	
Ti	47	45	No Gas	47.685	ug/l	1.7	10000	
V	51	45	He	48.372	ug/l	0.4	5000	
Cr	52	45	He	49.161	ug/l	1.8	20000	
Mn	55	45	He	240.974	ug/l	0.7	20000	
Fe	56	45	H2	2539.092	ug/l	0.2	500000	
Co	59	45	He	25.463	ug/l	0.3	2000	
Ni	60	45	He	52.629	ug/l	2.1	20000	
Cu	63	45	He	50.818	ug/l	1.1	20000	
Zn	66	45	He	253.252	ug/l	0.2	20000	
As	75	74	He	48.817	ug/l	1.8	5000	
Se	78	74	H2	49.770	ug/l	1.1	3000	
Sr	88	115	He	46.848	ug/l	0.4	5000	
Mo	95	115	He	49.530	ug/l	1.4	2000	
Ag	107	115	He	7.129	ug/l	4.0	1000	
Cd	111	115	He	25.446	ug/l	2.9	5000	
Sn	118	115	He	50.221	ug/l	2.4	2000	
Sb	121	115	He	24.501	ug/l	2.7	1000	
Ba	137	159	He	48.335	ug/l	2.5	20000	
Tl	205	209	He	19.303	ug/l	1.5	1000	
[Pb]	206	209	He	24.662	ug/l	1.0		
[Pb]	207	209	He	24.091	ug/l	2.1		
Pb	208	209	He	24.281	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5785262.62	1.3	85.2	60	125	
Sc (ISICPMS)	45	No Gas	7513726.00	1.9	100.6	60	125	
Sc (ISICPMS)	45	H2	2201846.89	0.7	106.0	60	125	
Sc (ISICPMS)	45	He	88817.68	0.3	95.2	60	125	
Ge (IS)	74	H2	420538.29	1.1	109.7	60	125	
Ge (IS)	74	He	53157.48	1.0	102.6	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121118.01	0.7	94.8	60	125	
Tb (IS)	159	He	591306.71	0.5	94.9	60	125	
Bi (IS)	209	He	409680.11	0.9	95.3	60	125	

Sample Report

File Name 228SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:26:14

Sample Name **460-303181-J-5-H MSD**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.990	ug/l	1.5	2000	
B	11	6	No Gas	587.321	ug/l	1.7	2000	
Na	23	45	He	202855.473	ug/l	1.3	500000	
Mg	24	45	He	14298.777	ug/l	1.6	500000	
Al	27	45	He	2372.066	ug/l	1.4	500000	
K	39	45	He	13005.409	ug/l	1.0	500000	
Ca	40	45	H2	125731.976	ug/l	0.8	1000000	
Ti	47	45	No Gas	48.396	ug/l	0.9	10000	
V	51	45	He	48.955	ug/l	0.8	5000	
Cr	52	45	He	46.666	ug/l	1.7	20000	
Mn	55	45	He	484.312	ug/l	2.5	20000	
Fe	56	45	H2	5583.708	ug/l	0.2	500000	
Co	59	45	He	24.511	ug/l	2.0	2000	
Ni	60	45	He	48.765	ug/l	2.4	20000	
Cu	63	45	He	47.941	ug/l	1.5	20000	
Zn	66	45	He	247.265	ug/l	1.3	20000	
As	75	74	He	48.575	ug/l	3.1	5000	
Se	78	74	H2	46.432	ug/l	1.5	3000	
Sr	88	115	He	969.797	ug/l	1.5	5000	
Mo	95	115	He	50.782	ug/l	0.7	2000	
Ag	107	115	He	4.376	ug/l	2.3	1000	
Cd	111	115	He	24.888	ug/l	2.8	5000	
Sn	118	115	He	47.752	ug/l	0.3	2000	
Sb	121	115	He	23.906	ug/l	1.9	1000	
Ba	137	159	He	283.146	ug/l	0.4	20000	
Tl	205	209	He	18.812	ug/l	0.8	1000	
[Pb]	206	209	He	24.350	ug/l	0.6		
[Pb]	207	209	He	23.572	ug/l	0.6		
Pb	208	209	He	24.037	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5884020.74	1.5	86.7	60	125	
Sc (ISICPMS)	45	No Gas	7561245.93	0.9	101.2	60	125	
Sc (ISICPMS)	45	H2	2205103.28	0.6	106.2	60	125	
Sc (ISICPMS)	45	He	88594.89	0.8	95.0	60	125	
Ge (IS)	74	H2	432576.99	0.5	112.8	60	125	
Ge (IS)	74	He	54219.54	1.9	104.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121168.54	0.7	94.8	60	125	
Tb (IS)	159	He	593716.21	0.6	95.3	60	125	
Bi (IS)	209	He	399369.46	0.5	92.9	60	125	

Sample Report

File Name 229SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:28:41

Sample Name **460-303181-J-5-G MS**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.061	ug/l	0.8	2000	
B	11	6	No Gas	577.778	ug/l	1.5	2000	
Na	23	45	He	200111.074	ug/l	0.4	500000	
Mg	24	45	He	14280.343	ug/l	0.8	500000	
Al	27	45	He	2335.594	ug/l	1.2	500000	
K	39	45	He	12917.987	ug/l	0.4	500000	
Ca	40	45	H2	124050.400	ug/l	0.2	1000000	
Ti	47	45	No Gas	48.159	ug/l	0.8	10000	
V	51	45	He	48.716	ug/l	0.9	5000	
Cr	52	45	He	46.854	ug/l	0.5	20000	
Mn	55	45	He	487.059	ug/l	0.7	20000	
Fe	56	45	H2	5558.681	ug/l	0.4	500000	
Co	59	45	He	25.054	ug/l	1.2	2000	
Ni	60	45	He	48.511	ug/l	1.0	20000	
Cu	63	45	He	48.727	ug/l	1.3	20000	
Zn	66	45	He	248.018	ug/l	0.5	20000	
As	75	74	He	49.861	ug/l	2.3	5000	
Se	78	74	H2	47.045	ug/l	0.7	3000	
Sr	88	115	He	984.535	ug/l	1.4	5000	
Mo	95	115	He	50.798	ug/l	0.7	2000	
Ag	107	115	He	4.356	ug/l	2.2	1000	
Cd	111	115	He	25.902	ug/l	0.5	5000	
Sn	118	115	He	48.255	ug/l	1.7	2000	
Sb	121	115	He	23.936	ug/l	0.9	1000	
Ba	137	159	He	282.679	ug/l	1.5	20000	
Tl	205	209	He	19.034	ug/l	1.3	1000	
[Pb]	206	209	He	24.591	ug/l	1.1		
[Pb]	207	209	He	24.138	ug/l	0.3		
Pb	208	209	He	24.370	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5913880.68	1.1	87.1	60	125	
Sc (ISICPMS)	45	No Gas	7582927.18	0.5	101.5	60	125	
Sc (ISICPMS)	45	H2	2218808.99	1.3	106.8	60	125	
Sc (ISICPMS)	45	He	88553.53	0.1	94.9	60	125	
Ge (IS)	74	H2	430039.53	1.8	112.2	60	125	
Ge (IS)	74	He	54256.31	0.4	104.7	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120281.69	1.0	94.2	60	125	
Tb (IS)	159	He	599002.53	0.5	96.1	60	125	
Bi (IS)	209	He	399561.41	0.9	92.9	60	125	

Sample Report

File Name 230SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:31:09

Sample Name **460-303181-J-5-F DU**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	173.0	2000	
B	11	6	No Gas	81.192	ug/l	0.7	2000	
Na	23	45	He	199658.073	ug/l	1.0	500000	
Mg	24	45	He	11917.691	ug/l	1.0	500000	
Al	27	45	He	19.094	ug/l	0.6	500000	
K	39	45	He	10528.830	ug/l	0.7	500000	
Ca	40	45	H2	123220.737	ug/l	0.9	1000000	
Ti	47	45	No Gas	1.838	ug/l	4.0	10000	
V	51	45	He	0.242	ug/l	35.9	5000	
Cr	52	45	He	-1.739	ug/l	N/A	20000	
Mn	55	45	He	254.425	ug/l	1.7	20000	
Fe	56	45	H2	3142.960	ug/l	0.6	500000	
Co	59	45	He	0.436	ug/l	7.0	2000	
Ni	60	45	He	0.212	ug/l	83.5	20000	
Cu	63	45	He	-0.358	ug/l	N/A	20000	
Zn	66	45	He	-1.979	ug/l	N/A	20000	
As	75	74	He	1.971	ug/l	10.8	5000	
Se	78	74	H2	0.343	ug/l	38.7	3000	
Sr	88	115	He	933.957	ug/l	0.6	5000	
Mo	95	115	He	1.472	ug/l	4.9	2000	
Ag	107	115	He	0.004	ug/l	64.5	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.042	ug/l	160.0	2000	
Sb	121	115	He	0.262	ug/l	23.9	1000	
Ba	137	159	He	240.277	ug/l	0.2	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	0.014	ug/l	73.7		
[Pb]	207	209	He	0.018	ug/l	75.6		
Pb	208	209	He	0.020	ug/l	63.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5935106.09	1.1	87.4	60	125	
Sc (ISICPMS)	45	No Gas	7643428.22	0.5	102.3	60	125	
Sc (ISICPMS)	45	H2	2225891.76	0.7	107.2	60	125	
Sc (ISICPMS)	45	He	89154.38	0.3	95.6	60	125	
Ge (IS)	74	H2	432797.35	0.4	112.9	60	125	
Ge (IS)	74	He	55284.84	0.8	106.7	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121275.82	0.5	94.9	60	125	
Tb (IS)	159	He	593538.62	0.2	95.3	60	125	
Bi (IS)	209	He	402513.67	0.3	93.6	60	125	

Sample Report

File Name 231SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:33:36

Sample Name **460-303181-J-5-E**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	191.7	2000	
B	11	6	No Gas	79.023	ug/l	0.8	2000	
Na	23	45	He	200460.818	ug/l	0.4	500000	
Mg	24	45	He	11973.323	ug/l	0.4	500000	
Al	27	45	He	18.152	ug/l	14.7	500000	
K	39	45	He	10575.082	ug/l	1.1	500000	
Ca	40	45	H2	123768.128	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.873	ug/l	10.0	10000	
V	51	45	He	0.246	ug/l	51.8	5000	
Cr	52	45	He	-1.478	ug/l	N/A	20000	
Mn	55	45	He	254.033	ug/l	0.6	20000	
Fe	56	45	H2	3148.680	ug/l	0.5	500000	
Co	59	45	He	0.397	ug/l	1.2	2000	
Ni	60	45	He	0.195	ug/l	127.0	20000	
Cu	63	45	He	-0.313	ug/l	N/A	20000	
Zn	66	45	He	-1.794	ug/l	N/A	20000	
As	75	74	He	1.961	ug/l	26.8	5000	
Se	78	74	H2	0.257	ug/l	33.7	3000	
Sr	88	115	He	947.336	ug/l	1.2	5000	
Mo	95	115	He	1.530	ug/l	6.5	2000	
Ag	107	115	He	0.001	ug/l	131.5	1000	
Cd	111	115	He	0.007	ug/l	328.0	5000	
Sn	118	115	He	-0.156	ug/l	N/A	2000	
Sb	121	115	He	0.130	ug/l	45.5	1000	
Ba	137	159	He	239.441	ug/l	1.2	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.014	ug/l	173.6		
[Pb]	207	209	He	0.025	ug/l	18.8		
Pb	208	209	He	0.023	ug/l	35.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5929094.08	0.2	87.4	60	125	
Sc (ISICPMS)	45	No Gas	7561593.08	0.1	101.2	60	125	
Sc (ISICPMS)	45	H2	2235402.50	0.4	107.6	60	125	
Sc (ISICPMS)	45	He	88889.40	0.4	95.3	60	125	
Ge (IS)	74	H2	431842.89	0.9	112.6	60	125	
Ge (IS)	74	He	55324.96	3.0	106.8	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119858.25	0.9	93.8	60	125	
Tb (IS)	159	He	597503.98	0.8	95.9	60	125	
Bi (IS)	209	He	400223.31	0.4	93.1	60	125	

Sample Report

File Name 232SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:36:03

Sample Name **SD 460-303181-J-5-E**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	107.9	2000	
B	11	6	No Gas	18.249	ug/l	0.8	2000	
Na	23	45	He	41040.064	ug/l	0.4	500000	
Mg	24	45	He	2424.651	ug/l	0.9	500000	
Al	27	45	He	6.389	ug/l	35.4	500000	
K	39	45	He	2177.461	ug/l	0.4	500000	
Ca	40	45	H2	28499.008	ug/l	1.3	1000000	
Ti	47	45	No Gas	0.291	ug/l	25.7	10000	
V	51	45	He	-0.218	ug/l	N/A	5000	
Cr	52	45	He	-0.509	ug/l	N/A	20000	
Mn	55	45	He	51.082	ug/l	1.4	20000	
Fe	56	45	H2	642.400	ug/l	0.9	500000	
Co	59	45	He	0.099	ug/l	17.2	2000	
Ni	60	45	He	0.307	ug/l	89.2	20000	
Cu	63	45	He	-0.210	ug/l	N/A	20000	
Zn	66	45	He	-1.634	ug/l	N/A	20000	
As	75	74	He	0.292	ug/l	21.2	5000	
Se	78	74	H2	0.094	ug/l	69.8	3000	
Sr	88	115	He	205.325	ug/l	0.9	5000	
Mo	95	115	He	0.604	ug/l	14.2	2000	
Ag	107	115	He	0.006	ug/l	84.2	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.355	ug/l	17.0	2000	
Sb	121	115	He	0.045	ug/l	109.6	1000	
Ba	137	159	He	47.916	ug/l	1.2	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	0.019	ug/l	69.0		
[Pb]	207	209	He	0.032	ug/l	49.4		
Pb	208	209	He	0.021	ug/l	42.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5954532.20	0.3	87.7	60	125	
Sc (ISICPMS)	45	No Gas	7476139.82	0.5	100.1	60	125	
Sc (ISICPMS)	45	H2	2215843.33	0.3	106.7	60	125	
Sc (ISICPMS)	45	He	89058.06	0.2	95.5	60	125	
Ge (IS)	74	H2	432069.87	0.4	112.7	60	125	
Ge (IS)	74	He	54085.65	0.5	104.4	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121647.91	0.6	95.2	60	125	
Tb (IS)	159	He	594465.65	0.6	95.4	60	125	
Bi (IS)	209	He	409360.48	1.0	95.2	60	125	

Continuing Calibration Verification (CCV)

File Name 233_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:38:30

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.874	ug/l	1.4	100	90	110	
B	11	6	No Gas	257.464	ug/l	0.2	250	225	275	
Na	23	45	He	25553.738	ug/l	0.3	25000	22500	27500	
Mg	24	45	He	25187.637	ug/l	0.7	25000	22500	27500	
Al	27	45	He	24102.203	ug/l	0.4	25000	22500	27500	
K	39	45	He	24807.367	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	24631.894	ug/l	1.1	25000	22500	27500	
Ti	47	45	No Gas	97.657	ug/l	0.9	100	90	110	
V	51	45	He	100.169	ug/l	0.0	100	90	110	
Cr	52	45	He	102.255	ug/l	1.3	100	90	110	
Mn	55	45	He	99.041	ug/l	0.2	100	90	110	
Fe	56	45	H2	25619.309	ug/l	1.4	25000	22500	27500	
Co	59	45	He	103.512	ug/l	0.3	100	90	110	
Ni	60	45	He	102.423	ug/l	0.4	100	90	110	
Cu	63	45	He	102.870	ug/l	1.2	100	90	110	
Zn	66	45	He	253.837	ug/l	0.2	250	225	275	
As	75	74	He	96.567	ug/l	2.8	100	90	110	
Se	78	74	H2	101.598	ug/l	0.6	100	90	110	
Sr	88	115	He	97.084	ug/l	0.3	100	90	110	
Mo	95	115	He	103.118	ug/l	2.4	100	90	110	
Ag	107	115	He	51.954	ug/l	0.1	50	45	55	
Cd	111	115	He	102.045	ug/l	0.8	100	90	110	
Sn	118	115	He	101.652	ug/l	1.0	100	90	110	
Sb	121	115	He	100.236	ug/l	2.1	100	90	110	
Ba	137	159	He	95.807	ug/l	1.5	100	90	110	
Tl	205	209	He	99.674	ug/l	0.9	100	90	110	
[Pb]	206	209	He	100.630	ug/l	2.3				
[Pb]	207	209	He	98.843	ug/l	0.4				
Pb	208	209	He	99.703	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5912908.38	0.6	87.1	60	125	
Sc (ISICPMS)	45	No Gas	7485844.05	0.5	100.2	60	125	
Sc (ISICPMS)	45	H2	2183375.09	0.3	105.1	60	125	
Sc (ISICPMS)	45	He	87307.08	0.1	93.6	60	125	
Ge (IS)	74	H2	421951.99	0.6	110.1	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53666.30	1.8	103.6	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	119690.92	0.4	93.7	60	125	
Tb (IS)	159	He	595221.76	0.9	95.5	60	125	
Bi (IS)	209	He	404652.15	0.2	94.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 234_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:40:57

Sample Name **CCB**

Comment ---

Dilution 1.0000

Results Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	32.2	0.8	-0.8	0.8	
B	11	6	No Gas	8.010	ug/l	95.9	40	-40	40	
Na	23	45	He	58.138	ug/l	1.5	500	-500	500	
Mg	24	45	He	1.103	ug/l	61.6	200	-200	200	
Al	27	45	He	3.686	ug/l	31.5	40	-40	40	
K	39	45	He	-9.679	ug/l	N/A	200	-200	200	
Ca	40	45	H2	1.885	ug/l	44.0	500	-500	500	
Ti	47	45	No Gas	6.637	ug/l	170.6	4	-4	4	> water RL
V	51	45	He	-0.390	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.029	ug/l	463.0	4	-4	4	
Mn	55	45	He	-0.031	ug/l	N/A	8	-8	8	
Fe	56	45	H2	2.059	ug/l	15.1	60	-60	60	
Co	59	45	He	0.000	ug/l	N/A	4	-4	4	
Ni	60	45	He	0.260	ug/l	62.4	4	-4	4	
Cu	63	45	He	-0.283	ug/l	N/A	4	-4	4	
Zn	66	45	He	-2.111	ug/l	N/A	16	-16	16	
As	75	74	He	-0.092	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.201	ug/l	58.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.005	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.027	ug/l	214.8	4	-4	4	
Ag	107	115	He	0.004	ug/l	84.2	2	-2	2	
Cd	111	115	He	0.317	ug/l	171.4	2	-2	2	
Sn	118	115	He	0.081	ug/l	105.7	16	-16	16	
Sb	121	115	He	0.029	ug/l	105.8	2	-2	2	
Ba	137	159	He	0.284	ug/l	5.8	4	-4	4	
Tl	205	209	He	-0.001	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.004	ug/l	167.9				
[Pb]	207	209	He	0.024	ug/l	138.4				
Pb	208	209	He	0.011	ug/l	64.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6037700.88	0.5	89.0	60	125	
Sc (ISICPMS)	45	No Gas	7517951.55	0.7	100.6	60	125	
Sc (ISICPMS)	45	H2	2213427.36	1.0	106.6	60	125	
Sc (ISICPMS)	45	He	89764.57	0.6	96.2	60	125	
Ge (IS)	74	H2	415457.11	0.7	108.4	60	125	
Ge (IS)	74	He	52447.60	0.7	101.2	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	122819.47	0.6	96.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	597829.15	0.3	96.0	60	125	
Bi (IS)	209	He	414845.30	0.8	96.5	60	125	

Sample Report

File Name 235SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:43:23

Sample Name **460-303735-A-18-A**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	277.1	2000	
B	11	6	No Gas	15.360	ug/l	3.1	2000	
Na	23	45	He	86.379	ug/l	2.3	500000	
Mg	24	45	He	-0.787	ug/l	N/A	500000	
Al	27	45	He	6.419	ug/l	37.2	500000	
K	39	45	He	-1.898	ug/l	N/A	500000	
Ca	40	45	H2	6.741	ug/l	9.9	1000000	
Ti	47	45	No Gas	0.088	ug/l	95.8	10000	
V	51	45	He	-0.410	ug/l	N/A	5000	
Cr	52	45	He	0.247	ug/l	40.0	20000	
Mn	55	45	He	0.156	ug/l	78.6	20000	
Fe	56	45	H2	10.160	ug/l	0.7	500000	
Co	59	45	He	0.027	ug/l	46.0	2000	
Ni	60	45	He	0.865	ug/l	6.0	20000	
Cu	63	45	He	0.006	ug/l	1106.5	20000	
Zn	66	45	He	-1.940	ug/l	N/A	20000	
As	75	74	He	-0.024	ug/l	N/A	5000	
Se	78	74	H2	0.030	ug/l	109.9	3000	
Sr	88	115	He	-0.032	ug/l	N/A	5000	
Mo	95	115	He	0.033	ug/l	64.7	2000	
Ag	107	115	He	0.001	ug/l	80.1	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.319	ug/l	26.8	2000	
Sb	121	115	He	-0.001	ug/l	N/A	1000	
Ba	137	159	He	0.304	ug/l	9.4	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.027	ug/l	43.6		
[Pb]	207	209	He	0.034	ug/l	32.3		
Pb	208	209	He	0.024	ug/l	15.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6076536.57	0.5	89.5	60	125	
Sc (ISICPMS)	45	No Gas	7563703.15	1.1	101.2	60	125	
Sc (ISICPMS)	45	H2	2249388.21	0.3	108.3	60	125	
Sc (ISICPMS)	45	He	89559.24	0.6	96.0	60	125	
Ge (IS)	74	H2	422695.57	0.9	110.3	60	125	
Ge (IS)	74	He	53901.09	0.8	104.0	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124670.46	0.7	97.6	60	125	
Tb (IS)	159	He	599228.24	0.4	96.2	60	125	
Bi (IS)	209	He	418443.22	0.9	97.3	60	125	

Sample Report

File Name 236SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:45:51

Sample Name **460-303736-A-21-A**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	82.6	2000	
B	11	6	No Gas	14.709	ug/l	5.1	2000	
Na	23	45	He	85.723	ug/l	7.4	500000	
Mg	24	45	He	0.909	ug/l	133.0	500000	
Al	27	45	He	4.637	ug/l	5.0	500000	
K	39	45	He	-6.635	ug/l	N/A	500000	
Ca	40	45	H2	8.257	ug/l	7.5	1000000	
Ti	47	45	No Gas	0.011	ug/l	3121.8	10000	
V	51	45	He	-0.386	ug/l	N/A	5000	
Cr	52	45	He	0.305	ug/l	24.2	20000	
Mn	55	45	He	0.139	ug/l	73.2	20000	
Fe	56	45	H2	4.548	ug/l	6.2	500000	
Co	59	45	He	0.016	ug/l	70.2	2000	
Ni	60	45	He	0.485	ug/l	11.1	20000	
Cu	63	45	He	1.079	ug/l	4.5	20000	
Zn	66	45	He	-0.125	ug/l	N/A	20000	
As	75	74	He	-0.043	ug/l	N/A	5000	
Se	78	74	H2	0.118	ug/l	32.7	3000	
Sr	88	115	He	0.080	ug/l	37.4	5000	
Mo	95	115	He	0.019	ug/l	185.8	2000	
Ag	107	115	He	0.002	ug/l	94.2	1000	
Cd	111	115	He	0.000	ug/l	6458.2	5000	
Sn	118	115	He	0.109	ug/l	59.9	2000	
Sb	121	115	He	-0.006	ug/l	N/A	1000	
Ba	137	159	He	0.274	ug/l	0.3	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.030	ug/l	23.0		
[Pb]	207	209	He	0.031	ug/l	60.8		
Pb	208	209	He	0.027	ug/l	30.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6073551.51	0.8	89.5	60	125	
Sc (ISICPMS)	45	No Gas	7692281.27	1.0	102.9	60	125	
Sc (ISICPMS)	45	H2	2256856.65	1.2	108.7	60	125	
Sc (ISICPMS)	45	He	90209.91	0.7	96.7	60	125	
Ge (IS)	74	H2	424608.67	0.3	110.8	60	125	
Ge (IS)	74	He	54233.04	0.6	104.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123761.51	0.3	96.9	60	125	
Tb (IS)	159	He	602855.52	0.8	96.8	60	125	
Bi (IS)	209	He	418347.77	0.8	97.3	60	125	

Sample Report

File Name 237SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:48:17

Sample Name **MB 460-975346/1-B**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	96.4	2000	
B	11	6	No Gas	1.225	ug/l	12.5	2000	
Na	23	45	He	53.078	ug/l	2.7	500000	
Mg	24	45	He	-0.145	ug/l	N/A	500000	
Al	27	45	He	0.973	ug/l	39.8	500000	
K	39	45	He	-5.950	ug/l	N/A	500000	
Ca	40	45	H2	-0.145	ug/l	N/A	1000000	
Ti	47	45	No Gas	0.086	ug/l	29.1	10000	
V	51	45	He	-0.341	ug/l	N/A	5000	
Cr	52	45	He	0.219	ug/l	119.0	20000	
Mn	55	45	He	0.031	ug/l	73.7	20000	
Fe	56	45	H2	1.274	ug/l	16.5	500000	
Co	59	45	He	0.014	ug/l	113.8	2000	
Ni	60	45	He	0.263	ug/l	60.4	20000	
Cu	63	45	He	-0.300	ug/l	N/A	20000	
Zn	66	45	He	-2.403	ug/l	N/A	20000	
As	75	74	He	-0.024	ug/l	N/A	5000	
Se	78	74	H2	0.064	ug/l	54.0	3000	
Sr	88	115	He	-0.061	ug/l	N/A	5000	
Mo	95	115	He	0.014	ug/l	77.4	2000	
Ag	107	115	He	0.784	ug/l	172.1	1000	
Cd	111	115	He	0.013	ug/l	0.4	5000	
Sn	118	115	He	0.309	ug/l	46.3	2000	
Sb	121	115	He	-0.010	ug/l	N/A	1000	
Ba	137	159	He	0.314	ug/l	5.5	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	0.141	ug/l	150.6		
[Pb]	207	209	He	0.023	ug/l	149.8		
Pb	208	209	He	0.049	ug/l	131.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6111716.58	0.4	90.0	60	125	
Sc (ISICPMS)	45	No Gas	7715559.33	0.5	103.3	60	125	
Sc (ISICPMS)	45	H2	2262389.58	0.3	108.9	60	125	
Sc (ISICPMS)	45	He	89776.13	0.1	96.2	60	125	
Ge (IS)	74	H2	422620.98	1.1	110.2	60	125	
Ge (IS)	74	He	53730.40	0.5	103.7	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124478.98	0.2	97.4	60	125	
Tb (IS)	159	He	595888.48	0.3	95.6	60	125	
Bi (IS)	209	He	412975.66	0.9	96.1	60	125	

Sample Report

File Name 238SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:50:44

Sample Name **LCS 460-975347/6-A**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	67.4	2000	
B	11	6	No Gas	1.113	ug/l	5.4	2000	
Na	23	45	He	48.817	ug/l	6.1	500000	
Mg	24	45	He	-0.154	ug/l	N/A	500000	
Al	27	45	He	0.960	ug/l	329.2	500000	
K	39	45	He	-2.917	ug/l	N/A	500000	
Ca	40	45	H2	1.896	ug/l	20.4	1000000	
Ti	47	45	No Gas	0.147	ug/l	18.0	10000	
V	51	45	He	-0.309	ug/l	N/A	5000	
Cr	52	45	He	0.163	ug/l	52.4	20000	
Mn	55	45	He	0.017	ug/l	214.2	20000	
Fe	56	45	H2	1.469	ug/l	5.4	500000	
Co	59	45	He	0.026	ug/l	29.0	2000	
Ni	60	45	He	0.434	ug/l	35.6	20000	
Cu	63	45	He	-0.265	ug/l	N/A	20000	
Zn	66	45	He	-2.438	ug/l	N/A	20000	
As	75	74	He	-0.059	ug/l	N/A	5000	
Se	78	74	H2	0.053	ug/l	159.6	3000	
Sr	88	115	He	-0.097	ug/l	N/A	5000	
Mo	95	115	He	0.015	ug/l	100.0	2000	
Ag	107	115	He	0.008	ug/l	0.4	1000	
Cd	111	115	He	0.000	ug/l	6205.4	5000	
Sn	118	115	He	0.215	ug/l	22.8	2000	
Sb	121	115	He	-0.021	ug/l	N/A	1000	
Ba	137	159	He	0.304	ug/l	9.4	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.007	ug/l	180.4		
[Pb]	207	209	He	0.012	ug/l	84.7		
Pb	208	209	He	0.012	ug/l	90.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5997976.65	1.7	88.4	60	125	
Sc (ISICPMS)	45	No Gas	7613349.82	0.9	101.9	60	125	
Sc (ISICPMS)	45	H2	2237467.33	0.4	107.7	60	125	
Sc (ISICPMS)	45	He	89958.84	0.4	96.4	60	125	
Ge (IS)	74	H2	420199.82	0.2	109.6	60	125	
Ge (IS)	74	He	53613.32	2.0	103.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123144.03	0.3	96.4	60	125	
Tb (IS)	159	He	596875.84	0.5	95.8	60	125	
Bi (IS)	209	He	411501.16	1.1	95.7	60	125	

Sample Report

File Name 239SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:53:10

Sample Name **460-303862-F-1-F MS**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.385	ug/l	1.7	2000	
B	11	6	No Gas	483.518	ug/l	0.8	2000	
Na	23	45	He	2459.332	ug/l	0.7	500000	
Mg	24	45	He	2329.567	ug/l	0.5	500000	
Al	27	45	He	2302.038	ug/l	0.9	500000	
K	39	45	He	2288.123	ug/l	0.7	500000	
Ca	40	45	H2	2335.440	ug/l	2.0	1000000	
Ti	47	45	No Gas	44.089	ug/l	1.7	10000	
V	51	45	He	45.856	ug/l	1.3	5000	
Cr	52	45	He	46.831	ug/l	0.9	20000	
Mn	55	45	He	228.904	ug/l	1.5	20000	
Fe	56	45	H2	2416.575	ug/l	2.0	500000	
Co	59	45	He	24.240	ug/l	0.5	2000	
Ni	60	45	He	49.224	ug/l	0.9	20000	
Cu	63	45	He	47.383	ug/l	1.1	20000	
Zn	66	45	He	235.404	ug/l	1.0	20000	
As	75	74	He	47.550	ug/l	1.3	5000	
Se	78	74	H2	46.582	ug/l	3.3	3000	
Sr	88	115	He	44.419	ug/l	1.3	5000	
Mo	95	115	He	46.705	ug/l	2.9	2000	
Ag	107	115	He	6.584	ug/l	1.0	1000	
Cd	111	115	He	23.763	ug/l	2.6	5000	
Sn	118	115	He	47.286	ug/l	2.1	2000	
Sb	121	115	He	23.073	ug/l	1.6	1000	
Ba	137	159	He	44.448	ug/l	1.7	20000	
Tl	205	209	He	18.041	ug/l	0.8	1000	
[Pb]	206	209	He	22.750	ug/l	3.2		
[Pb]	207	209	He	22.800	ug/l	0.9		
Pb	208	209	He	22.771	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6037183.25	1.2	89.0	60	125	
Sc (ISICPMS)	45	No Gas	7568533.50	1.1	101.3	60	125	
Sc (ISICPMS)	45	H2	2193036.55	1.7	105.6	60	125	
Sc (ISICPMS)	45	He	87835.02	0.9	94.1	60	125	
Ge (IS)	74	H2	414376.82	0.7	108.1	60	125	
Ge (IS)	74	He	52192.95	1.0	100.7	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120305.12	0.9	94.2	60	125	
Tb (IS)	159	He	589208.67	1.2	94.6	60	125	
Bi (IS)	209	He	412518.02	1.3	96.0	60	125	

Sample Report

File Name 240SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:55:37

Sample Name **460-303862-F-1-E DU**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.072	ug/l	0.4	2000	
B	11	6	No Gas	540.643	ug/l	1.9	2000	
Na	23	45	He	137879.924	ug/l	0.2	500000	
Mg	24	45	He	53282.862	ug/l	0.9	500000	
Al	27	45	He	2412.518	ug/l	0.5	500000	
K	39	45	He	4789.918	ug/l	0.9	500000	
Ca	40	45	H2	145467.701	ug/l	1.0	1000000	
Ti	47	45	No Gas	47.062	ug/l	1.7	10000	
V	51	45	He	49.149	ug/l	1.5	5000	
Cr	52	45	He	46.847	ug/l	1.1	20000	
Mn	55	45	He	11010.769	ug/l	0.5	20000	
Fe	56	45	H2	2399.273	ug/l	0.7	500000	
Co	59	45	He	25.000	ug/l	1.0	2000	
Ni	60	45	He	50.565	ug/l	1.6	20000	
Cu	63	45	He	50.318	ug/l	0.5	20000	
Zn	66	45	He	250.916	ug/l	2.1	20000	
As	75	74	He	43.397	ug/l	6.3	5000	
Se	78	74	H2	49.185	ug/l	1.1	3000	
Sr	88	115	He	774.728	ug/l	0.5	5000	
Mo	95	115	He	49.317	ug/l	0.9	2000	
Ag	107	115	He	6.556	ug/l	3.1	1000	
Cd	111	115	He	25.358	ug/l	2.5	5000	
Sn	118	115	He	36.899	ug/l	3.5	2000	
Sb	121	115	He	25.896	ug/l	4.0	1000	
Ba	137	159	He	355.708	ug/l	2.2	20000	
Tl	205	209	He	19.448	ug/l	0.2	1000	
[Pb]	206	209	He	24.463	ug/l	1.1		
[Pb]	207	209	He	23.976	ug/l	1.1		
Pb	208	209	He	24.354	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6111823.52	0.6	90.1	60	125	
Sc (ISICPMS)	45	No Gas	7522263.85	1.4	100.7	60	125	
Sc (ISICPMS)	45	H2	2196380.44	0.3	105.8	60	125	
Sc (ISICPMS)	45	He	87867.28	0.4	94.2	60	125	
Ge (IS)	74	H2	421585.09	0.7	110.0	60	125	
Ge (IS)	74	He	52885.94	1.0	102.0	60	125	
Kr	83	He	13.35	114.6	400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121396.21	0.8	95.0	60	125	
Tb (IS)	159	He	593491.69	0.4	95.3	60	125	
Bi (IS)	209	He	397690.98	0.3	92.5	60	125	

Sample Report

File Name 241SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 02:58:03

Sample Name **460-303862-F-1-D**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	94.2	2000	
B	11	6	No Gas	39.766	ug/l	1.5	2000	
Na	23	45	He	135046.869	ug/l	0.4	500000	
Mg	24	45	He	50937.817	ug/l	0.9	500000	
Al	27	45	He	4.130	ug/l	78.5	500000	
K	39	45	He	2285.156	ug/l	1.0	500000	
Ca	40	45	H2	144987.944	ug/l	1.4	1000000	
Ti	47	45	No Gas	0.356	ug/l	31.9	10000	
V	51	45	He	-0.107	ug/l	N/A	5000	
Cr	52	45	He	-1.476	ug/l	N/A	20000	
Mn	55	45	He	11742.245	ug/l	0.3	20000	
Fe	56	45	H2	0.945	ug/l	6.7	500000	
Co	59	45	He	0.487	ug/l	9.1	2000	
Ni	60	45	He	1.876	ug/l	17.1	20000	
Cu	63	45	He	1.286	ug/l	5.8	20000	
Zn	66	45	He	0.018	ug/l	709.0	20000	
As	75	74	He	0.472	ug/l	31.7	5000	
Se	78	74	H2	0.183	ug/l	28.4	3000	
Sr	88	115	He	746.232	ug/l	0.4	5000	
Mo	95	115	He	0.763	ug/l	11.6	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.236	ug/l	26.0	5000	
Sn	118	115	He	0.055	ug/l	276.5	2000	
Sb	121	115	He	0.052	ug/l	111.1	1000	
Ba	137	159	He	317.860	ug/l	0.5	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	0.005	ug/l	289.7		
[Pb]	207	209	He	0.002	ug/l	684.6		
Pb	208	209	He	-0.004	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6194690.25	0.7	91.3	60	125	
Sc (ISICPMS)	45	No Gas	7626758.43	0.8	102.1	60	125	
Sc (ISICPMS)	45	H2	2253666.46	0.3	108.5	60	125	
Sc (ISICPMS)	45	He	90715.26	0.4	97.2	60	125	
Ge (IS)	74	H2	427539.30	0.9	111.5	60	125	
Ge (IS)	74	He	55171.07	1.2	106.5	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123760.10	1.2	96.9	60	125	
Tb (IS)	159	He	603164.80	0.9	96.8	60	125	
Bi (IS)	209	He	403525.87	0.4	93.9	60	125	

Sample Report

File Name 242SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:00:32

Sample Name **SD 460-303862-F-1-D@5**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.009	ug/l	40.2	2000	
B	11	6	No Gas	37.197	ug/l	2.5	2000	
Na	23	45	He	134206.866	ug/l	0.6	500000	
Mg	24	45	He	50507.979	ug/l	0.5	500000	
Al	27	45	He	5.029	ug/l	75.0	500000	
K	39	45	He	2367.140	ug/l	1.8	500000	
Ca	40	45	H2	142572.228	ug/l	0.7	1000000	
Ti	47	45	No Gas	1.802	ug/l	6.5	10000	
V	51	45	He	-0.008	ug/l	N/A	5000	
Cr	52	45	He	-1.602	ug/l	N/A	20000	
Mn	55	45	He	11011.848	ug/l	0.3	20000	
Fe	56	45	H2	0.651	ug/l	22.0	500000	
Co	59	45	He	0.370	ug/l	6.0	2000	
Ni	60	45	He	2.051	ug/l	7.2	20000	
Cu	63	45	He	0.549	ug/l	5.6	20000	
Zn	66	45	He	-0.786	ug/l	N/A	20000	
As	75	74	He	0.287	ug/l	20.0	5000	
Se	78	74	H2	0.189	ug/l	18.2	3000	
Sr	88	115	He	745.440	ug/l	1.2	5000	
Mo	95	115	He	0.577	ug/l	3.6	2000	
Ag	107	115	He	0.006	ug/l	34.3	1000	
Cd	111	115	He	0.255	ug/l	24.5	5000	
Sn	118	115	He	0.150	ug/l	106.4	2000	
Sb	121	115	He	0.010	ug/l	268.5	1000	
Ba	137	159	He	318.241	ug/l	1.4	20000	
Tl	205	209	He	-0.005	ug/l	N/A	1000	
[Pb]	206	209	He	0.032	ug/l	89.1		
[Pb]	207	209	He	0.014	ug/l	125.6		
Pb	208	209	He	0.014	ug/l	106.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6119358.24	1.6	90.2	60	125	
Sc (ISICPMS)	45	No Gas	7724104.40	0.3	103.4	60	125	
Sc (ISICPMS)	45	H2	2295021.09	1.1	110.5	60	125	
Sc (ISICPMS)	45	He	93048.66	0.2	99.7	60	125	
Ge (IS)	74	H2	437627.14	1.0	114.2	60	125	
Ge (IS)	74	He	54691.50	0.9	105.5	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126648.96	0.7	99.1	60	125	
Tb (IS)	159	He	613536.29	0.4	98.5	60	125	
Bi (IS)	209	He	409288.62	0.1	95.2	60	125	

Sample Report

File Name 243SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:02:59

Sample Name **460-304043-F-1-B**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	29.8	2000	
B	11	6	No Gas	9.196	ug/l	3.0	2000	
Na	23	45	He	27310.374	ug/l	1.2	500000	
Mg	24	45	He	10130.154	ug/l	0.3	500000	
Al	27	45	He	3.126	ug/l	56.0	500000	
K	39	45	He	491.897	ug/l	0.9	500000	
Ca	40	45	H2	30437.746	ug/l	1.0	1000000	
Ti	47	45	No Gas	0.130	ug/l	88.1	10000	
V	51	45	He	-0.348	ug/l	N/A	5000	
Cr	52	45	He	-0.318	ug/l	N/A	20000	
Mn	55	45	He	2209.395	ug/l	1.4	20000	
Fe	56	45	H2	2.633	ug/l	2.5	500000	
Co	59	45	He	0.099	ug/l	27.6	2000	
Ni	60	45	He	0.843	ug/l	16.9	20000	
Cu	63	45	He	0.193	ug/l	59.0	20000	
Zn	66	45	He	-1.312	ug/l	N/A	20000	
As	75	74	He	-0.043	ug/l	N/A	5000	
Se	78	74	H2	0.115	ug/l	43.1	3000	
Sr	88	115	He	158.572	ug/l	1.1	5000	
Mo	95	115	He	0.232	ug/l	13.8	2000	
Ag	107	115	He	0.005	ug/l	107.0	1000	
Cd	111	115	He	0.064	ug/l	86.7	5000	
Sn	118	115	He	0.419	ug/l	20.7	2000	
Sb	121	115	He	-0.014	ug/l	N/A	1000	
Ba	137	159	He	65.278	ug/l	1.7	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	0.019	ug/l	92.2		
[Pb]	207	209	He	0.021	ug/l	7.0		
Pb	208	209	He	0.021	ug/l	72.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6175521.57	1.3	91.0	60	125	
Sc (ISICPMS)	45	No Gas	7722434.33	1.2	103.3	60	125	
Sc (ISICPMS)	45	H2	2292749.52	0.7	110.4	60	125	
Sc (ISICPMS)	45	He	92581.88	0.8	99.2	60	125	
Ge (IS)	74	H2	434024.09	0.4	113.2	60	125	
Ge (IS)	74	He	54440.70	0.7	105.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126287.60	0.2	98.9	60	125	
Tb (IS)	159	He	606910.44	0.5	97.4	60	125	
Bi (IS)	209	He	415675.65	0.7	96.7	60	125	

Sample Report

File Name 244SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:05:26

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	101.1	2000	
B	11	6	No Gas	1.662	ug/l	12.8	2000	
Na	23	45	He	58.873	ug/l	2.3	500000	
Mg	24	45	He	0.980	ug/l	62.8	500000	
Al	27	45	He	1.693	ug/l	77.0	500000	
K	39	45	He	-2.573	ug/l	N/A	500000	
Ca	40	45	H2	12.107	ug/l	8.3	1000000	
Ti	47	45	No Gas	0.019	ug/l	517.0	10000	
V	51	45	He	-0.334	ug/l	N/A	5000	
Cr	52	45	He	0.199	ug/l	155.4	20000	
Mn	55	45	He	0.787	ug/l	22.7	20000	
Fe	56	45	H2	1.428	ug/l	14.7	500000	
Co	59	45	He	0.028	ug/l	69.9	2000	
Ni	60	45	He	0.377	ug/l	34.4	20000	
Cu	63	45	He	-0.292	ug/l	N/A	20000	
Zn	66	45	He	-0.310	ug/l	N/A	20000	
As	75	74	He	-0.025	ug/l	N/A	5000	
Se	78	74	H2	0.030	ug/l	190.3	3000	
Sr	88	115	He	-0.061	ug/l	N/A	5000	
Mo	95	115	He	0.033	ug/l	168.9	2000	
Ag	107	115	He	0.005	ug/l	92.7	1000	
Cd	111	115	He	0.000	ug/l	11558.3	5000	
Sn	118	115	He	0.137	ug/l	71.2	2000	
Sb	121	115	He	0.014	ug/l	163.5	1000	
Ba	137	159	He	0.352	ug/l	12.3	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	0.008	ug/l	82.0		
[Pb]	207	209	He	0.031	ug/l	78.3		
Pb	208	209	He	0.025	ug/l	43.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6158585.60	0.3	90.7	60	125	
Sc (ISICPMS)	45	No Gas	7723570.86	0.2	103.4	60	125	
Sc (ISICPMS)	45	H2	2248288.95	0.8	108.3	60	125	
Sc (ISICPMS)	45	He	90395.19	0.6	96.9	60	125	
Ge (IS)	74	H2	421365.96	0.7	109.9	60	125	
Ge (IS)	74	He	54035.34	0.3	104.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124713.60	0.5	97.6	60	125	
Tb (IS)	159	He	600383.46	1.0	96.4	60	125	
Bi (IS)	209	He	421167.17	0.3	98.0	60	125	

Continuing Calibration Verification (CCV)

File Name 245_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:07:53

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.555	ug/l	0.1	100	90	110	
B	11	6	No Gas	252.800	ug/l	0.2	250	225	275	
Na	23	45	He	25539.257	ug/l	0.9	25000	22500	27500	
Mg	24	45	He	25395.758	ug/l	1.3	25000	22500	27500	
Al	27	45	He	24445.215	ug/l	0.9	25000	22500	27500	
K	39	45	He	24871.151	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	24550.169	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	97.687	ug/l	0.4	100	90	110	
V	51	45	He	98.912	ug/l	0.9	100	90	110	
Cr	52	45	He	101.827	ug/l	0.6	100	90	110	
Mn	55	45	He	100.417	ug/l	1.9	100	90	110	
Fe	56	45	H2	25483.202	ug/l	0.9	25000	22500	27500	
Co	59	45	He	102.682	ug/l	0.5	100	90	110	
Ni	60	45	He	101.715	ug/l	0.9	100	90	110	
Cu	63	45	He	102.585	ug/l	0.5	100	90	110	
Zn	66	45	He	251.997	ug/l	0.5	250	225	275	
As	75	74	He	96.353	ug/l	5.0	100	90	110	
Se	78	74	H2	100.357	ug/l	2.2	100	90	110	
Sr	88	115	He	97.451	ug/l	0.5	100	90	110	
Mo	95	115	He	102.500	ug/l	1.7	100	90	110	
Ag	107	115	He	51.727	ug/l	0.2	50	45	55	
Cd	111	115	He	101.523	ug/l	1.7	100	90	110	
Sn	118	115	He	100.581	ug/l	1.6	100	90	110	
Sb	121	115	He	99.101	ug/l	0.5	100	90	110	
Ba	137	159	He	96.972	ug/l	1.5	100	90	110	
Tl	205	209	He	100.539	ug/l	0.7	100	90	110	
[Pb]	206	209	He	100.041	ug/l	0.9				
[Pb]	207	209	He	99.085	ug/l	1.3				
Pb	208	209	He	99.803	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6152133.59	0.6	90.6	60	125	
Sc (ISICPMS)	45	No Gas	7412522.25	1.1	99.2	60	125	
Sc (ISICPMS)	45	H2	2158630.19	0.7	103.9	60	125	
Sc (ISICPMS)	45	He	86255.89	0.3	92.5	60	125	
Ge (IS)	74	H2	420073.65	0.9	109.6	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52919.99	3.4	102.1	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	119042.65	0.9	93.2	60	125	
Tb (IS)	159	He	588452.00	1.2	94.5	60	125	
Bi (IS)	209	He	399335.86	0.3	92.9	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 246_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:10:20

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	61.2	0.8	-0.8	0.8	
B	11	6	No Gas	2.808	ug/l	4.2	40	-40	40	
Na	23	45	He	56.655	ug/l	3.3	500	-500	500	
Mg	24	45	He	1.281	ug/l	38.1	200	-200	200	
Al	27	45	He	3.202	ug/l	37.2	40	-40	40	
K	39	45	He	0.620	ug/l	1519.1	200	-200	200	
Ca	40	45	H2	4.322	ug/l	4.0	500	-500	500	
Ti	47	45	No Gas	0.199	ug/l	53.6	4	-4	4	
V	51	45	He	-0.343	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.148	ug/l	73.8	4	-4	4	
Mn	55	45	He	0.456	ug/l	29.0	8	-8	8	
Fe	56	45	H2	2.387	ug/l	7.7	60	-60	60	
Co	59	45	He	0.015	ug/l	95.3	4	-4	4	
Ni	60	45	He	0.444	ug/l	38.7	4	-4	4	
Cu	63	45	He	-0.248	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.686	ug/l	N/A	16	-16	16	
As	75	74	He	-0.147	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.099	ug/l	68.6	2.5	-2.5	2.5	
Sr	88	115	He	-0.059	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.034	ug/l	63.6	4	-4	4	
Ag	107	115	He	0.001	ug/l	144.5	2	-2	2	
Cd	111	115	He	0.000	ug/l	4593.6	2	-2	2	
Sn	118	115	He	0.451	ug/l	118.5	16	-16	16	
Sb	121	115	He	-0.009	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.286	ug/l	21.8	4	-4	4	
Tl	205	209	He	-0.001	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.011	ug/l	125.1				
[Pb]	207	209	He	0.013	ug/l	26.8				
Pb	208	209	He	0.016	ug/l	21.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6179327.13	0.4	91.0	60	125	
Sc (ISICPMS)	45	No Gas	7522516.90	1.5	100.7	60	125	
Sc (ISICPMS)	45	H2	2213202.92	0.5	106.6	60	125	
Sc (ISICPMS)	45	He	88107.65	0.2	94.4	60	125	
Ge (IS)	74	H2	414478.99	0.2	108.1	60	125	
Ge (IS)	74	He	52906.16	0.8	102.1	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	123616.84	1.2	96.8	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	594055.09	1.0	95.4	60	125	
Bi (IS)	209	He	415694.00	1.0	96.7	60	125	

Sample Report

File Name 247SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:12:45

Sample Name **MB 460-974443/1-A**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	57.4	2000	
B	11	6	No Gas	1.786	ug/l	7.5	2000	
Na	23	45	He	51.624	ug/l	8.8	500000	
Mg	24	45	He	0.484	ug/l	72.3	500000	
Al	27	45	He	-0.378	ug/l	N/A	500000	
K	39	45	He	1.726	ug/l	557.5	500000	
Ca	40	45	H2	2.872	ug/l	23.5	1000000	
Ti	47	45	No Gas	0.125	ug/l	92.0	10000	
V	51	45	He	-0.300	ug/l	N/A	5000	
Cr	52	45	He	0.228	ug/l	43.7	20000	
Mn	55	45	He	0.296	ug/l	26.7	20000	
Fe	56	45	H2	2.183	ug/l	6.1	500000	
Co	59	45	He	0.012	ug/l	11.9	2000	
Ni	60	45	He	0.431	ug/l	18.6	20000	
Cu	63	45	He	-0.274	ug/l	N/A	20000	
Zn	66	45	He	-1.665	ug/l	N/A	20000	
As	75	74	He	-0.111	ug/l	N/A	5000	
Se	78	74	H2	0.053	ug/l	182.7	3000	
Sr	88	115	He	-0.013	ug/l	N/A	5000	
Mo	95	115	He	0.010	ug/l	303.7	2000	
Ag	107	115	He	0.003	ug/l	41.0	1000	
Cd	111	115	He	0.007	ug/l	170.2	5000	
Sn	118	115	He	0.373	ug/l	23.5	2000	
Sb	121	115	He	0.012	ug/l	498.0	1000	
Ba	137	159	He	0.314	ug/l	23.2	20000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
[Pb]	206	209	He	0.021	ug/l	63.5		
[Pb]	207	209	He	0.024	ug/l	72.4		
Pb	208	209	He	0.019	ug/l	48.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6113340.05	1.7	90.1	60	125	
Sc (ISICPMS)	45	No Gas	7575452.11	0.2	101.4	60	125	
Sc (ISICPMS)	45	H2	2231201.09	0.8	107.4	60	125	
Sc (ISICPMS)	45	He	89725.29	0.3	96.2	60	125	
Ge (IS)	74	H2	419077.71	0.5	109.3	60	125	
Ge (IS)	74	He	53050.45	0.7	102.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124179.41	0.5	97.2	60	125	
Tb (IS)	159	He	596903.41	0.5	95.8	60	125	
Bi (IS)	209	He	415775.45	0.5	96.7	60	125	

Sample Report

File Name 248SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:15:12

Sample Name **MB 460-974508/1-A**

Comment ---

Dilution **1.0000**

Vial # 2307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	76.3	2000	
B	11	6	No Gas	13.869	ug/l	1.9	2000	
Na	23	45	He	77.794	ug/l	6.5	500000	
Mg	24	45	He	1.749	ug/l	42.9	500000	
Al	27	45	He	21.574	ug/l	8.1	500000	
K	39	45	He	-7.021	ug/l	N/A	500000	
Ca	40	45	H2	30.043	ug/l	4.6	1000000	
Ti	47	45	No Gas	0.048	ug/l	55.0	10000	
V	51	45	He	-0.348	ug/l	N/A	5000	
Cr	52	45	He	0.484	ug/l	26.5	20000	
Mn	55	45	He	0.495	ug/l	24.3	20000	
Fe	56	45	H2	10.283	ug/l	3.7	500000	
Co	59	45	He	0.020	ug/l	51.5	2000	
Ni	60	45	He	0.839	ug/l	27.5	20000	
Cu	63	45	He	1.626	ug/l	1.4	20000	
Zn	66	45	He	2.235	ug/l	8.9	20000	
As	75	74	He	-0.005	ug/l	N/A	5000	
Se	78	74	H2	-0.014	ug/l	N/A	3000	
Sr	88	115	He	0.076	ug/l	85.2	5000	
Mo	95	115	He	0.034	ug/l	91.0	2000	
Ag	107	115	He	0.008	ug/l	72.6	1000	
Cd	111	115	He	0.013	ug/l	148.8	5000	
Sn	118	115	He	0.143	ug/l	65.9	2000	
Sb	121	115	He	-0.012	ug/l	N/A	1000	
Ba	137	159	He	0.354	ug/l	20.6	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.064	ug/l	12.9		
[Pb]	207	209	He	0.032	ug/l	33.9		
Pb	208	209	He	0.042	ug/l	8.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6191509.91	1.0	91.2	60	125	
Sc (ISICPMS)	45	No Gas	7605348.50	0.9	101.8	60	125	
Sc (ISICPMS)	45	H2	2202400.68	1.7	106.1	60	125	
Sc (ISICPMS)	45	He	89188.82	0.8	95.6	60	125	
Ge (IS)	74	H2	416655.44	1.8	108.7	60	125	
Ge (IS)	74	He	53093.94	1.7	102.4	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123111.19	1.2	96.4	60	125	
Tb (IS)	159	He	594264.27	0.7	95.4	60	125	
Bi (IS)	209	He	413981.21	1.1	96.3	60	125	

Sample Report

File Name 249SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:17:38

Sample Name **460-303421-F-1-A**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	84.8	2000	
B	11	6	No Gas	0.826	ug/l	14.5	2000	
Na	23	45	He	56.915	ug/l	12.1	500000	
Mg	24	45	He	3.263	ug/l	35.5	500000	
Al	27	45	He	2.536	ug/l	42.7	500000	
K	39	45	He	5.846	ug/l	173.3	500000	
Ca	40	45	H2	59.064	ug/l	2.2	1000000	
Ti	47	45	No Gas	0.077	ug/l	90.7	10000	
V	51	45	He	-0.372	ug/l	N/A	5000	
Cr	52	45	He	-0.327	ug/l	N/A	20000	
Mn	55	45	He	0.390	ug/l	16.4	20000	
Fe	56	45	H2	5.615	ug/l	4.5	500000	
Co	59	45	He	0.019	ug/l	122.8	2000	
Ni	60	45	He	0.193	ug/l	17.4	20000	
Cu	63	45	He	0.427	ug/l	12.5	20000	
Zn	66	45	He	3.049	ug/l	24.8	20000	
As	75	74	He	-0.074	ug/l	N/A	5000	
Se	78	74	H2	0.031	ug/l	187.5	3000	
Sr	88	115	He	0.068	ug/l	114.7	5000	
Mo	95	115	He	0.015	ug/l	71.8	2000	
Ag	107	115	He	0.009	ug/l	25.1	1000	
Cd	111	115	He	0.000	ug/l	7099.5	5000	
Sn	118	115	He	0.268	ug/l	46.0	2000	
Sb	121	115	He	-0.002	ug/l	N/A	1000	
Ba	137	159	He	0.344	ug/l	30.3	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	0.048	ug/l	49.7		
[Pb]	207	209	He	0.052	ug/l	69.3		
Pb	208	209	He	0.043	ug/l	21.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6207893.94	0.7	91.5	60	125	
Sc (ISICPMS)	45	No Gas	7622372.04	1.0	102.0	60	125	
Sc (ISICPMS)	45	H2	2222386.03	0.8	107.0	60	125	
Sc (ISICPMS)	45	He	88977.50	1.3	95.4	60	125	
Ge (IS)	74	H2	415621.38	0.9	108.4	60	125	
Ge (IS)	74	He	52758.84	1.7	101.8	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122854.42	0.9	96.2	60	125	
Tb (IS)	159	He	596324.90	1.0	95.7	60	125	
Bi (IS)	209	He	414023.84	0.7	96.3	60	125	

Sample Report

File Name 250SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:20:05

Sample Name **LCS 460-974508/2-A**

Comment ---

Dilution **1.0000**

Vial # 2308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.438	ug/l	1.3	2000	
B	11	6	No Gas	528.909	ug/l	1.2	2000	
Na	23	45	He	2693.767	ug/l	2.0	500000	
Mg	24	45	He	2554.939	ug/l	1.5	500000	
Al	27	45	He	2498.693	ug/l	2.5	500000	
K	39	45	He	2542.410	ug/l	1.6	500000	
Ca	40	45	H2	2580.775	ug/l	0.9	1000000	
Ti	47	45	No Gas	49.116	ug/l	0.5	10000	
V	51	45	He	50.186	ug/l	1.9	5000	
Cr	52	45	He	52.439	ug/l	1.7	20000	
Mn	55	45	He	247.569	ug/l	2.4	20000	
Fe	56	45	H2	2649.100	ug/l	0.4	500000	
Co	59	45	He	26.631	ug/l	0.9	2000	
Ni	60	45	He	53.491	ug/l	0.2	20000	
Cu	63	45	He	53.198	ug/l	1.5	20000	
Zn	66	45	He	260.306	ug/l	2.3	20000	
As	75	74	He	52.182	ug/l	5.8	5000	
Se	78	74	H2	51.419	ug/l	3.6	3000	
Sr	88	115	He	49.053	ug/l	1.3	5000	
Mo	95	115	He	50.507	ug/l	1.4	2000	
Ag	107	115	He	20.235	ug/l	0.7	1000	
Cd	111	115	He	25.281	ug/l	3.2	5000	
Sn	118	115	He	51.441	ug/l	0.7	2000	
Sb	121	115	He	25.536	ug/l	0.6	1000	
Ba	137	159	He	49.186	ug/l	4.0	20000	
Tl	205	209	He	20.080	ug/l	0.8	1000	
[Pb]	206	209	He	25.613	ug/l	0.8		
[Pb]	207	209	He	25.042	ug/l	2.3		
Pb	208	209	He	25.327	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6029279.21	0.2	88.8	60	125	
Sc (ISICPMS)	45	No Gas	7443597.67	1.3	99.6	60	125	
Sc (ISICPMS)	45	H2	2176889.88	1.0	104.8	60	125	
Sc (ISICPMS)	45	He	86129.79	1.1	92.3	60	125	
Ge (IS)	74	H2	412156.76	1.3	107.5	60	125	
Ge (IS)	74	He	50913.57	1.6	98.2	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118875.58	0.9	93.1	60	125	
Tb (IS)	159	He	580810.73	0.4	93.2	60	125	
Bi (IS)	209	He	409305.43	0.4	95.2	60	125	

Sample Report

File Name 251SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:22:32

Sample Name **460-303298-F-2-B@10**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.019	ug/l	41.3	2000	
B	11	6	No Gas	150.523	ug/l	0.9	2000	
Na	23	45	He	332545.322	ug/l	1.6	500000	
Mg	24	45	He	39280.959	ug/l	1.6	500000	
Al	27	45	He	141.060	ug/l	2.5	500000	
K	39	45	He	11924.691	ug/l	1.5	500000	
Ca	40	45	H2	15234.492	ug/l	1.0	1000000	
Ti	47	45	No Gas	4.700	ug/l	46.8	10000	
V	51	45	He	0.013	ug/l	310.0	5000	
Cr	52	45	He	0.107	ug/l	187.4	20000	
Mn	55	45	He	8.086	ug/l	5.5	20000	
Fe	56	45	H2	185.705	ug/l	1.4	500000	
Co	59	45	He	0.104	ug/l	18.4	2000	
Ni	60	45	He	0.633	ug/l	12.8	20000	
Cu	63	45	He	0.839	ug/l	5.0	20000	
Zn	66	45	He	-0.365	ug/l	N/A	20000	
As	75	74	He	0.067	ug/l	77.9	5000	
Se	78	74	H2	0.110	ug/l	108.5	3000	
Sr	88	115	He	242.566	ug/l	1.1	5000	
Mo	95	115	He	0.517	ug/l	15.3	2000	
Ag	107	115	He	0.007	ug/l	30.1	1000	
Cd	111	115	He	0.008	ug/l	316.1	5000	
Sn	118	115	He	0.583	ug/l	58.3	2000	
Sb	121	115	He	-0.008	ug/l	N/A	1000	
Ba	137	159	He	2.774	ug/l	13.9	20000	
Tl	205	209	He	-0.005	ug/l	N/A	1000	
[Pb]	206	209	He	0.353	ug/l	4.0		
[Pb]	207	209	He	0.349	ug/l	16.4		
Pb	208	209	He	0.355	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5865678.94	0.7	86.4	60	125	
Sc (ISICPMS)	45	No Gas	7398778.50	1.0	99.0	60	125	
Sc (ISICPMS)	45	H2	2156504.76	0.1	103.8	60	125	
Sc (ISICPMS)	45	He	86857.56	1.2	93.1	60	125	
Ge (IS)	74	H2	416737.24	0.5	108.7	60	125	
Ge (IS)	74	He	53341.53	0.9	102.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	116888.22	1.8	91.5	60	125	
Tb (IS)	159	He	583045.32	0.7	93.6	60	125	
Bi (IS)	209	He	388254.33	0.5	90.3	60	125	

Sample Report

File Name 252SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:24:58

Sample Name **460-303298-F-3-B@10**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.013	ug/l	44.4	2000	
B	11	6	No Gas	112.586	ug/l	1.7	2000	
Na	23	45	He	250984.958	ug/l	0.9	500000	
Mg	24	45	He	29995.225	ug/l	0.6	500000	
Al	27	45	He	87.671	ug/l	10.7	500000	
K	39	45	He	9133.260	ug/l	0.7	500000	
Ca	40	45	H2	11169.430	ug/l	1.8	1000000	
Ti	47	45	No Gas	2.650	ug/l	35.9	10000	
V	51	45	He	-0.119	ug/l	N/A	5000	
Cr	52	45	He	0.063	ug/l	184.5	20000	
Mn	55	45	He	5.539	ug/l	9.8	20000	
Fe	56	45	H2	136.592	ug/l	2.2	500000	
Co	59	45	He	0.056	ug/l	5.5	2000	
Ni	60	45	He	0.398	ug/l	42.8	20000	
Cu	63	45	He	0.413	ug/l	16.3	20000	
Zn	66	45	He	-0.400	ug/l	N/A	20000	
As	75	74	He	0.062	ug/l	224.7	5000	
Se	78	74	H2	0.073	ug/l	103.0	3000	
Sr	88	115	He	179.341	ug/l	1.8	5000	
Mo	95	115	He	0.342	ug/l	13.7	2000	
Ag	107	115	He	0.005	ug/l	94.9	1000	
Cd	111	115	He	0.000	ug/l	3597.6	5000	
Sn	118	115	He	0.482	ug/l	29.8	2000	
Sb	121	115	He	0.015	ug/l	267.2	1000	
Ba	137	159	He	2.274	ug/l	7.0	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	0.252	ug/l	6.1		
[Pb]	207	209	He	0.266	ug/l	9.5		
Pb	208	209	He	0.261	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5908299.70	1.3	87.1	60	125	
Sc (ISICPMS)	45	No Gas	7548660.58	1.0	101.0	60	125	
Sc (ISICPMS)	45	H2	2223340.45	0.2	107.1	60	125	
Sc (ISICPMS)	45	He	88904.05	0.9	95.3	60	125	
Ge (IS)	74	H2	428306.37	0.9	111.7	60	125	
Ge (IS)	74	He	54339.89	1.9	104.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121113.79	0.4	94.8	60	125	
Tb (IS)	159	He	594082.48	0.3	95.4	60	125	
Bi (IS)	209	He	394358.97	0.7	91.7	60	125	

Sample Report

File Name 253SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:27:24

Sample Name **460-303298-F-4-B@10**

Comment ---

Dilution **1.0000**

Vial # 2305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.018	ug/l	26.7	2000	
B	11	6	No Gas	115.976	ug/l	1.8	2000	
Na	23	45	He	252628.346	ug/l	1.2	500000	
Mg	24	45	He	30128.728	ug/l	0.6	500000	
Al	27	45	He	89.566	ug/l	2.8	500000	
K	39	45	He	9249.808	ug/l	0.4	500000	
Ca	40	45	H2	11281.074	ug/l	1.5	1000000	
Ti	47	45	No Gas	2.600	ug/l	19.3	10000	
V	51	45	He	-0.094	ug/l	N/A	5000	
Cr	52	45	He	0.042	ug/l	155.5	20000	
Mn	55	45	He	5.858	ug/l	8.7	20000	
Fe	56	45	H2	140.505	ug/l	1.1	500000	
Co	59	45	He	0.055	ug/l	41.2	2000	
Ni	60	45	He	0.765	ug/l	89.3	20000	
Cu	63	45	He	0.404	ug/l	10.6	20000	
Zn	66	45	He	-0.476	ug/l	N/A	20000	
As	75	74	He	0.056	ug/l	245.1	5000	
Se	78	74	H2	0.028	ug/l	116.6	3000	
Sr	88	115	He	184.219	ug/l	2.0	5000	
Mo	95	115	He	0.339	ug/l	13.9	2000	
Ag	107	115	He	1.444	ug/l	172.6	1000	
Cd	111	115	He	2.725	ug/l	173.6	5000	
Sn	118	115	He	0.569	ug/l	29.3	2000	
Sb	121	115	He	0.021	ug/l	52.7	1000	
Ba	137	159	He	2.422	ug/l	8.9	20000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
[Pb]	206	209	He	0.252	ug/l	8.5		
[Pb]	207	209	He	0.327	ug/l	37.2		
Pb	208	209	He	0.259	ug/l	17.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5848310.40	0.6	86.2	60	125	
Sc (ISICPMS)	45	No Gas	7708889.47	0.9	103.2	60	125	
Sc (ISICPMS)	45	H2	2253124.24	1.1	108.5	60	125	
Sc (ISICPMS)	45	He	92458.22	0.7	99.1	60	125	
Ge (IS)	74	H2	437987.34	1.0	114.2	60	125	
Ge (IS)	74	He	55730.06	1.0	107.5	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124040.44	1.3	97.1	60	125	
Tb (IS)	159	He	606968.29	1.2	97.4	60	125	
Bi (IS)	209	He	402019.21	0.8	93.5	60	125	

Sample Report

File Name 254SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:29:52

Sample Name **460-303298-F-5-B@10**

Comment ---

Dilution **1.0000**

Vial # 2306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	43.7	2000	
B	11	6	No Gas	134.429	ug/l	0.8	2000	
Na	23	45	He	292396.539	ug/l	1.5	500000	
Mg	24	45	He	34743.449	ug/l	1.3	500000	
Al	27	45	He	96.316	ug/l	15.2	500000	
K	39	45	He	10728.634	ug/l	2.2	500000	
Ca	40	45	H2	12674.830	ug/l	0.7	1000000	
Ti	47	45	No Gas	2.009	ug/l	11.9	10000	
V	51	45	He	-0.116	ug/l	N/A	5000	
Cr	52	45	He	0.232	ug/l	53.1	20000	
Mn	55	45	He	6.815	ug/l	3.9	20000	
Fe	56	45	H2	157.518	ug/l	0.2	500000	
Co	59	45	He	0.079	ug/l	24.8	2000	
Ni	60	45	He	0.289	ug/l	44.1	20000	
Cu	63	45	He	0.355	ug/l	20.4	20000	
Zn	66	45	He	-0.305	ug/l	N/A	20000	
As	75	74	He	-0.049	ug/l	N/A	5000	
Se	78	74	H2	0.026	ug/l	119.3	3000	
Sr	88	115	He	213.260	ug/l	1.9	5000	
Mo	95	115	He	0.383	ug/l	20.2	2000	
Ag	107	115	He	0.008	ug/l	34.4	1000	
Cd	111	115	He	0.013	ug/l	149.7	5000	
Sn	118	115	He	0.523	ug/l	19.0	2000	
Sb	121	115	He	0.021	ug/l	223.4	1000	
Ba	137	159	He	2.463	ug/l	9.2	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	0.318	ug/l	23.9		
[Pb]	207	209	He	0.253	ug/l	5.8		
Pb	208	209	He	0.264	ug/l	5.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5941140.33	1.0	87.5	60	125	
Sc (ISICPMS)	45	No Gas	7764716.41	1.0	103.9	60	125	
Sc (ISICPMS)	45	H2	2325644.50	0.3	112.0	60	125	
Sc (ISICPMS)	45	He	93845.10	1.2	100.6	60	125	
Ge (IS)	74	H2	446884.81	0.2	116.6	60	125	
Ge (IS)	74	He	56242.84	0.7	108.5	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127700.85	1.1	100.0	60	125	
Tb (IS)	159	He	616175.55	0.3	98.9	60	125	
Bi (IS)	209	He	405780.95	1.0	94.4	60	125	

Sample Report

File Name 255SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:32:18

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	1017.8	2000	
B	11	6	No Gas	2.494	ug/l	4.5	2000	
Na	23	45	He	85.573	ug/l	2.3	500000	
Mg	24	45	He	1.757	ug/l	23.9	500000	
Al	27	45	He	-1.659	ug/l	N/A	500000	
K	39	45	He	-4.053	ug/l	N/A	500000	
Ca	40	45	H2	7.454	ug/l	3.8	1000000	
Ti	47	45	No Gas	-0.117	ug/l	N/A	10000	
V	51	45	He	-0.299	ug/l	N/A	5000	
Cr	52	45	He	-0.037	ug/l	N/A	20000	
Mn	55	45	He	0.175	ug/l	11.6	20000	
Fe	56	45	H2	1.153	ug/l	10.3	500000	
Co	59	45	He	0.012	ug/l	75.0	2000	
Ni	60	45	He	0.353	ug/l	29.2	20000	
Cu	63	45	He	-0.220	ug/l	N/A	20000	
Zn	66	45	He	-0.571	ug/l	N/A	20000	
As	75	74	He	-0.097	ug/l	N/A	5000	
Se	78	74	H2	0.016	ug/l	296.9	3000	
Sr	88	115	He	-0.068	ug/l	N/A	5000	
Mo	95	115	He	0.020	ug/l	86.5	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.006	ug/l	176.3	5000	
Sn	118	115	He	0.070	ug/l	206.1	2000	
Sb	121	115	He	-0.004	ug/l	N/A	1000	
Ba	137	159	He	0.272	ug/l	10.7	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.017	ug/l	104.6		
[Pb]	207	209	He	0.046	ug/l	56.3		
Pb	208	209	He	0.020	ug/l	21.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6163203.66	0.4	90.8	60	125	
Sc (ISICPMS)	45	No Gas	7954960.58	0.4	106.5	60	125	
Sc (ISICPMS)	45	H2	2333056.61	0.7	112.3	60	125	
Sc (ISICPMS)	45	He	93872.78	0.8	100.6	60	125	
Ge (IS)	74	H2	439879.36	1.7	114.7	60	125	
Ge (IS)	74	He	55381.73	1.2	106.9	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129208.85	0.4	101.1	60	125	
Tb (IS)	159	He	615837.37	1.7	98.9	60	125	
Bi (IS)	209	He	423281.16	1.3	98.5	60	125	

Sample Report

File Name 256SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:34:46

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.128	ug/l	172.0	2000	
B	11	6	No Gas	12.400	ug/l	147.6	2000	
Na	23	45	He	67.899	ug/l	10.9	500000	
Mg	24	45	He	-0.262	ug/l	N/A	500000	
Al	27	45	He	0.194	ug/l	98.4	500000	
K	39	45	He	2.201	ug/l	160.1	500000	
Ca	40	45	H2	6.816	ug/l	13.2	1000000	
Ti	47	45	No Gas	14.149	ug/l	174.0	10000	
V	51	45	He	-0.294	ug/l	N/A	5000	
Cr	52	45	He	-0.067	ug/l	N/A	20000	
Mn	55	45	He	0.283	ug/l	61.2	20000	
Fe	56	45	H2	1.223	ug/l	9.8	500000	
Co	59	45	He	0.015	ug/l	85.2	2000	
Ni	60	45	He	0.299	ug/l	32.3	20000	
Cu	63	45	He	-0.306	ug/l	N/A	20000	
Zn	66	45	He	0.240	ug/l	228.3	20000	
As	75	74	He	-0.024	ug/l	N/A	5000	
Se	78	74	H2	0.581	ug/l	164.3	3000	
Sr	88	115	He	-0.010	ug/l	N/A	5000	
Mo	95	115	He	0.032	ug/l	58.2	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	13879.7	5000	
Sn	118	115	He	0.150	ug/l	21.3	2000	
Sb	121	115	He	-0.025	ug/l	N/A	1000	
Ba	137	159	He	0.370	ug/l	19.3	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.001	ug/l	802.9		
[Pb]	207	209	He	0.030	ug/l	68.0		
Pb	208	209	He	0.013	ug/l	11.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6106966.02	1.1	90.0	60	125	
Sc (ISICPMS)	45	No Gas	7807315.44	1.4	104.5	60	125	
Sc (ISICPMS)	45	H2	2241248.93	0.5	107.9	60	125	
Sc (ISICPMS)	45	He	90954.15	1.1	97.5	60	125	
Ge (IS)	74	H2	422499.27	0.7	110.2	60	125	
Ge (IS)	74	He	53981.76	0.6	104.2	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125285.48	0.2	98.1	60	125	
Tb (IS)	159	He	604282.28	0.5	97.0	60	125	
Bi (IS)	209	He	420185.45	0.5	97.7	60	125	

Continuing Calibration Verification (CCV)

File Name 257_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:37:12

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.206	ug/l	1.2	100	90	110	
B	11	6	No Gas	254.093	ug/l	0.8	250	225	275	
Na	23	45	He	25410.140	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25383.676	ug/l	0.2	25000	22500	27500	
Al	27	45	He	24397.149	ug/l	0.3	25000	22500	27500	
K	39	45	He	24837.616	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	24393.081	ug/l	0.5	25000	22500	27500	
Ti	47	45	No Gas	98.613	ug/l	0.9	100	90	110	
V	51	45	He	98.807	ug/l	1.6	100	90	110	
Cr	52	45	He	100.716	ug/l	0.4	100	90	110	
Mn	55	45	He	99.452	ug/l	1.3	100	90	110	
Fe	56	45	H2	25659.171	ug/l	0.6	25000	22500	27500	
Co	59	45	He	102.980	ug/l	0.2	100	90	110	
Ni	60	45	He	103.141	ug/l	1.8	100	90	110	
Cu	63	45	He	102.805	ug/l	0.3	100	90	110	
Zn	66	45	He	255.002	ug/l	0.9	250	225	275	
As	75	74	He	94.820	ug/l	1.4	100	90	110	
Se	78	74	H2	97.090	ug/l	3.5	100	90	110	
Sr	88	115	He	96.751	ug/l	0.4	100	90	110	
Mo	95	115	He	102.860	ug/l	1.4	100	90	110	
Ag	107	115	He	51.929	ug/l	0.2	50	45	55	
Cd	111	115	He	102.310	ug/l	3.0	100	90	110	
Sn	118	115	He	101.457	ug/l	0.5	100	90	110	
Sb	121	115	He	98.970	ug/l	1.5	100	90	110	
Ba	137	159	He	97.417	ug/l	1.6	100	90	110	
Tl	205	209	He	100.241	ug/l	1.0	100	90	110	
[Pb]	206	209	He	100.458	ug/l	0.8				
[Pb]	207	209	He	99.980	ug/l	1.1				
Pb	208	209	He	99.549	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6054582.41	0.6	89.2	60	125	
Sc (ISICPMS)	45	No Gas	7327836.91	1.0	98.1	60	125	
Sc (ISICPMS)	45	H2	2147578.60	1.0	103.4	60	125	
Sc (ISICPMS)	45	He	86364.37	0.3	92.6	60	125	
Ge (IS)	74	H2	419348.49	1.3	109.4	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53382.34	3.1	103.0	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	119022.65	0.9	93.2	60	125	
Tb (IS)	159	He	591103.38	0.5	94.9	60	125	
Bi (IS)	209	He	400571.37	0.9	93.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 258_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:39:40

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.014	ug/l	31.7	0.8	-0.8	0.8	
B	11	6	No Gas	2.928	ug/l	3.1	40	-40	40	
Na	23	45	He	55.130	ug/l	4.2	500	-500	500	
Mg	24	45	He	1.629	ug/l	26.6	200	-200	200	
Al	27	45	He	3.036	ug/l	44.7	40	-40	40	
K	39	45	He	-0.853	ug/l	N/A	200	-200	200	
Ca	40	45	H2	1.156	ug/l	39.3	500	-500	500	
Ti	47	45	No Gas	0.166	ug/l	104.1	4	-4	4	
V	51	45	He	-0.415	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.003	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.176	ug/l	53.9	8	-8	8	
Fe	56	45	H2	2.442	ug/l	1.2	60	-60	60	
Co	59	45	He	0.019	ug/l	53.6	4	-4	4	
Ni	60	45	He	0.214	ug/l	15.4	4	-4	4	
Cu	63	45	He	-0.255	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.843	ug/l	N/A	16	-16	16	
As	75	74	He	-0.091	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.089	ug/l	79.3	2.5	-2.5	2.5	
Sr	88	115	He	-0.017	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.016	ug/l	298.4	4	-4	4	
Ag	107	115	He	0.008	ug/l	25.0	2	-2	2	
Cd	111	115	He	-0.006	ug/l	0.0	2	-2	2	
Sn	118	115	He	0.104	ug/l	79.1	16	-16	16	
Sb	121	115	He	0.017	ug/l	164.1	2	-2	2	
Ba	137	159	He	0.296	ug/l	5.6	4	-4	4	
Tl	205	209	He	0.002	ug/l	200.2	0.8	-0.8	0.8	
[Pb]	206	209	He	0.018	ug/l	93.6				
[Pb]	207	209	He	0.012	ug/l	180.3				
Pb	208	209	He	0.015	ug/l	65.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6028854.07	1.5	88.8	60	125	
Sc (ISICPMS)	45	No Gas	7398166.97	0.8	99.0	60	125	
Sc (ISICPMS)	45	H2	2178785.92	0.2	104.9	60	125	
Sc (ISICPMS)	45	He	87563.50	0.4	93.9	60	125	
Ge (IS)	74	H2	411488.34	0.8	107.3	60	125	
Ge (IS)	74	He	51915.02	3.3	100.2	60	125	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	121691.55	0.4	95.3	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	589491.12	0.7	94.6	60	125	
Bi (IS)	209	He	412202.61	0.3	95.9	60	125	

Sample Report

File Name 259SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:42:06

Sample Name **MB 460-975620/1-A**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	57.2	2000	
B	11	6	No Gas	1.671	ug/l	10.2	2000	
Na	23	45	He	66.581	ug/l	7.2	500000	
Mg	24	45	He	1.139	ug/l	46.6	500000	
Al	27	45	He	-0.036	ug/l	N/A	500000	
K	39	45	He	4.154	ug/l	178.5	500000	
Ca	40	45	H2	1.507	ug/l	100.7	1000000	
Ti	47	45	No Gas	0.041	ug/l	68.7	10000	
V	51	45	He	-0.370	ug/l	N/A	5000	
Cr	52	45	He	0.121	ug/l	93.7	20000	
Mn	55	45	He	0.133	ug/l	24.4	20000	
Fe	56	45	H2	1.342	ug/l	8.0	500000	
Co	59	45	He	0.021	ug/l	109.5	2000	
Ni	60	45	He	0.506	ug/l	15.5	20000	
Cu	63	45	He	-0.243	ug/l	N/A	20000	
Zn	66	45	He	-1.524	ug/l	N/A	20000	
As	75	74	He	-0.109	ug/l	N/A	5000	
Se	78	74	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	-0.099	ug/l	N/A	5000	
Mo	95	115	He	0.002	ug/l	868.4	2000	
Ag	107	115	He	0.002	ug/l	91.2	1000	
Cd	111	115	He	0.014	ug/l	146.7	5000	
Sn	118	115	He	0.402	ug/l	18.7	2000	
Sb	121	115	He	-0.007	ug/l	N/A	1000	
Ba	137	159	He	0.286	ug/l	15.5	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	0.030	ug/l	33.7		
[Pb]	207	209	He	0.010	ug/l	139.6		
Pb	208	209	He	0.017	ug/l	40.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5864871.65	1.4	86.4	60	125	
Sc (ISICPMS)	45	No Gas	7360497.18	0.6	98.5	60	125	
Sc (ISICPMS)	45	H2	2174328.44	1.1	104.7	60	125	
Sc (ISICPMS)	45	He	87080.97	1.0	93.3	60	125	
Ge (IS)	74	H2	411156.12	1.1	107.3	60	125	
Ge (IS)	74	He	51884.56	0.9	100.1	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121002.51	0.2	94.7	60	125	
Tb (IS)	159	He	590841.33	0.5	94.8	60	125	
Bi (IS)	209	He	411764.08	0.4	95.8	60	125	

Sample Report

File Name 260SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:44:33

Sample Name **LCS 460-975620/2-A**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.254	ug/l	1.3	2000	
B	11	6	No Gas	485.182	ug/l	2.3	2000	
Na	23	45	He	2432.959	ug/l	0.9	500000	
Mg	24	45	He	2313.884	ug/l	1.1	500000	
Al	27	45	He	2269.752	ug/l	1.3	500000	
K	39	45	He	2310.990	ug/l	1.0	500000	
Ca	40	45	H2	2283.775	ug/l	0.4	1000000	
Ti	47	45	No Gas	44.596	ug/l	1.8	10000	
V	51	45	He	45.972	ug/l	1.5	5000	
Cr	52	45	He	47.032	ug/l	0.2	20000	
Mn	55	45	He	228.225	ug/l	1.2	20000	
Fe	56	45	H2	2370.597	ug/l	1.1	500000	
Co	59	45	He	24.108	ug/l	0.3	2000	
Ni	60	45	He	47.721	ug/l	1.9	20000	
Cu	63	45	He	47.810	ug/l	0.2	20000	
Zn	66	45	He	237.811	ug/l	1.0	20000	
As	75	74	He	46.959	ug/l	3.0	5000	
Se	78	74	H2	45.643	ug/l	4.4	3000	
Sr	88	115	He	44.341	ug/l	3.5	5000	
Mo	95	115	He	47.687	ug/l	0.9	2000	
Ag	107	115	He	5.567	ug/l	1.0	1000	
Cd	111	115	He	25.071	ug/l	4.6	5000	
Sn	118	115	He	47.294	ug/l	2.2	2000	
Sb	121	115	He	23.875	ug/l	1.2	1000	
Ba	137	159	He	45.113	ug/l	1.3	20000	
Tl	205	209	He	18.064	ug/l	1.5	1000	
[Pb]	206	209	He	23.308	ug/l	1.3		
[Pb]	207	209	He	22.733	ug/l	0.5		
Pb	208	209	He	22.884	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5887206.58	1.4	86.7	60	125	
Sc (ISICPMS)	45	No Gas	7309529.75	0.8	97.8	60	125	
Sc (ISICPMS)	45	H2	2141990.64	0.6	103.1	60	125	
Sc (ISICPMS)	45	He	85724.80	1.0	91.9	60	125	
Ge (IS)	74	H2	407520.59	1.1	106.3	60	125	
Ge (IS)	74	He	51007.15	2.5	98.4	60	125	
Kr	83	He	13.35	114.6	400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117229.32	1.1	91.8	60	125	
Tb (IS)	159	He	577843.69	0.5	92.8	60	125	
Bi (IS)	209	He	404210.40	0.1	94.0	60	125	

Sample Report

File Name 261SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:46:58

Sample Name **460-304065-D-8-H MSD**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.035	ug/l	1.2	2000	
B	11	6	No Gas	608.989	ug/l	0.7	2000	
Na	23	45	He	61012.018	ug/l	1.0	500000	
Mg	24	45	He	10916.080	ug/l	1.6	500000	
Al	27	45	He	2296.503	ug/l	2.3	500000	
K	39	45	He	9671.718	ug/l	1.4	500000	
Ca	40	45	H2	54064.597	ug/l	2.0	1000000	
Ti	47	45	No Gas	47.141	ug/l	0.9	10000	
V	51	45	He	47.120	ug/l	1.3	5000	
Cr	52	45	He	45.783	ug/l	1.4	20000	
Mn	55	45	He	255.579	ug/l	1.2	20000	
Fe	56	45	H2	2390.790	ug/l	2.0	500000	
Co	59	45	He	25.933	ug/l	0.4	2000	
Ni	60	45	He	49.807	ug/l	2.4	20000	
Cu	63	45	He	48.527	ug/l	1.5	20000	
Zn	66	45	He	238.836	ug/l	1.7	20000	
As	75	74	He	48.107	ug/l	6.0	5000	
Se	78	74	H2	47.673	ug/l	0.9	3000	
Sr	88	115	He	272.820	ug/l	0.7	5000	
Mo	95	115	He	49.258	ug/l	3.0	2000	
Ag	107	115	He	5.286	ug/l	2.7	1000	
Cd	111	115	He	24.560	ug/l	3.5	5000	
Sn	118	115	He	46.188	ug/l	1.9	2000	
Sb	121	115	He	22.794	ug/l	3.4	1000	
Ba	137	159	He	57.503	ug/l	1.0	20000	
Tl	205	209	He	17.964	ug/l	0.5	1000	
[Pb]	206	209	He	23.874	ug/l	0.8		
[Pb]	207	209	He	23.016	ug/l	1.1		
Pb	208	209	He	23.357	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6255935.39	0.4	92.2	60	125	
Sc (ISICPMS)	45	No Gas	7536336.76	1.3	100.9	60	125	
Sc (ISICPMS)	45	H2	2190678.16	1.4	105.5	60	125	
Sc (ISICPMS)	45	He	87170.47	1.0	93.4	60	125	
Ge (IS)	74	H2	430341.95	1.0	112.3	60	125	
Ge (IS)	74	He	53901.31	1.2	104.0	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120835.01	1.4	94.6	60	125	
Tb (IS)	159	He	593498.17	0.7	95.3	60	125	
Bi (IS)	209	He	406045.00	0.5	94.5	60	125	

Sample Report

File Name 262SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:49:26

Sample Name **460-304065-D-8-G MS**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.526	ug/l	2.1	2000	
B	11	6	No Gas	617.316	ug/l	1.4	2000	
Na	23	45	He	60131.112	ug/l	2.0	500000	
Mg	24	45	He	10903.818	ug/l	1.7	500000	
Al	27	45	He	2306.641	ug/l	1.7	500000	
K	39	45	He	9593.595	ug/l	1.2	500000	
Ca	40	45	H2	54414.139	ug/l	0.9	1000000	
Ti	47	45	No Gas	46.194	ug/l	1.3	10000	
V	51	45	He	45.919	ug/l	2.7	5000	
Cr	52	45	He	44.594	ug/l	1.6	20000	
Mn	55	45	He	251.843	ug/l	0.5	20000	
Fe	56	45	H2	2384.838	ug/l	0.3	500000	
Co	59	45	He	25.572	ug/l	0.7	2000	
Ni	60	45	He	49.468	ug/l	0.8	20000	
Cu	63	45	He	47.536	ug/l	2.1	20000	
Zn	66	45	He	238.780	ug/l	3.2	20000	
As	75	74	He	45.047	ug/l	2.0	5000	
Se	78	74	H2	49.091	ug/l	2.0	3000	
Sr	88	115	He	272.918	ug/l	0.2	5000	
Mo	95	115	He	48.165	ug/l	0.7	2000	
Ag	107	115	He	5.978	ug/l	4.7	1000	
Cd	111	115	He	23.890	ug/l	3.3	5000	
Sn	118	115	He	46.134	ug/l	1.2	2000	
Sb	121	115	He	23.462	ug/l	2.4	1000	
Ba	137	159	He	58.189	ug/l	2.7	20000	
Tl	205	209	He	18.009	ug/l	1.2	1000	
[Pb]	206	209	He	23.703	ug/l	0.4		
[Pb]	207	209	He	22.737	ug/l	1.7		
Pb	208	209	He	23.146	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6040997.90	0.8	89.0	60	125	
Sc (ISICPMS)	45	No Gas	7470707.53	0.3	100.0	60	125	
Sc (ISICPMS)	45	H2	2190580.45	0.4	105.5	60	125	
Sc (ISICPMS)	45	He	87974.61	1.6	94.3	60	125	
Ge (IS)	74	H2	429372.94	1.7	112.0	60	125	
Ge (IS)	74	He	54658.37	1.4	105.5	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120663.22	0.3	94.5	60	125	
Tb (IS)	159	He	594076.73	0.8	95.4	60	125	
Bi (IS)	209	He	405934.12	0.4	94.4	60	125	

Sample Report

File Name 263SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:51:51

Sample Name **460-304065-D-8-F DU**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	50.3	2000	
B	11	6	No Gas	138.756	ug/l	2.3	2000	
Na	23	45	He	58118.231	ug/l	0.7	500000	
Mg	24	45	He	8615.640	ug/l	0.5	500000	
Al	27	45	He	0.790	ug/l	254.5	500000	
K	39	45	He	7338.585	ug/l	0.3	500000	
Ca	40	45	H2	51995.706	ug/l	1.5	1000000	
Ti	47	45	No Gas	2.105	ug/l	3.6	10000	
V	51	45	He	-0.322	ug/l	N/A	5000	
Cr	52	45	He	-1.556	ug/l	N/A	20000	
Mn	55	45	He	24.861	ug/l	1.3	20000	
Fe	56	45	H2	0.761	ug/l	11.2	500000	
Co	59	45	He	1.799	ug/l	3.6	2000	
Ni	60	45	He	2.270	ug/l	2.7	20000	
Cu	63	45	He	0.070	ug/l	78.6	20000	
Zn	66	45	He	-2.106	ug/l	N/A	20000	
As	75	74	He	0.027	ug/l	288.0	5000	
Se	78	74	H2	2.725	ug/l	3.3	3000	
Sr	88	115	He	233.384	ug/l	0.9	5000	
Mo	95	115	He	1.605	ug/l	6.7	2000	
Ag	107	115	He	0.000	ug/l	3267.5	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.203	ug/l	10.6	2000	
Sb	121	115	He	0.133	ug/l	31.8	1000	
Ba	137	159	He	13.884	ug/l	7.7	20000	
Tl	205	209	He	-0.005	ug/l	N/A	1000	
[Pb]	206	209	He	0.001	ug/l	1137.7		
[Pb]	207	209	He	0.006	ug/l	156.7		
Pb	208	209	He	0.004	ug/l	117.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6200561.16	0.6	91.4	60	125	
Sc (ISICPMS)	45	No Gas	7592163.92	0.2	101.6	60	125	
Sc (ISICPMS)	45	H2	2200160.94	0.3	105.9	60	125	
Sc (ISICPMS)	45	He	87982.44	0.9	94.3	60	125	
Ge (IS)	74	H2	429570.71	0.5	112.1	60	125	
Ge (IS)	74	He	54202.83	2.3	104.6	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119752.77	0.6	93.7	60	125	
Tb (IS)	159	He	589321.55	1.0	94.6	60	125	
Bi (IS)	209	He	403603.50	0.2	93.9	60	125	

Sample Report

File Name 264SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:54:18

Sample Name **460-304065-D-8-E**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	82.2	2000	
B	11	6	No Gas	137.740	ug/l	0.3	2000	
Na	23	45	He	58710.880	ug/l	1.1	500000	
Mg	24	45	He	8743.820	ug/l	0.9	500000	
Al	27	45	He	2.740	ug/l	63.6	500000	
K	39	45	He	7417.444	ug/l	1.4	500000	
Ca	40	45	H2	52075.937	ug/l	0.6	1000000	
Ti	47	45	No Gas	2.111	ug/l	2.5	10000	
V	51	45	He	-0.260	ug/l	N/A	5000	
Cr	52	45	He	-1.420	ug/l	N/A	20000	
Mn	55	45	He	24.797	ug/l	1.4	20000	
Fe	56	45	H2	1.462	ug/l	3.2	500000	
Co	59	45	He	1.800	ug/l	5.9	2000	
Ni	60	45	He	2.298	ug/l	11.0	20000	
Cu	63	45	He	0.138	ug/l	108.4	20000	
Zn	66	45	He	-1.552	ug/l	N/A	20000	
As	75	74	He	-0.078	ug/l	N/A	5000	
Se	78	74	H2	2.706	ug/l	8.2	3000	
Sr	88	115	He	230.218	ug/l	3.2	5000	
Mo	95	115	He	1.549	ug/l	5.5	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.007	ug/l	164.6	5000	
Sn	118	115	He	0.319	ug/l	46.1	2000	
Sb	121	115	He	0.071	ug/l	6.0	1000	
Ba	137	159	He	13.512	ug/l	5.8	20000	
Tl	205	209	He	-0.007	ug/l	N/A	1000	
[Pb]	206	209	He	0.038	ug/l	5.2		
[Pb]	207	209	He	0.044	ug/l	109.6		
Pb	208	209	He	0.023	ug/l	37.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6084938.52	0.6	89.7	60	125	
Sc (ISICPMS)	45	No Gas	7497681.97	0.1	100.3	60	125	
Sc (ISICPMS)	45	H2	2186557.43	0.5	105.3	60	125	
Sc (ISICPMS)	45	He	87161.25	0.6	93.4	60	125	
Ge (IS)	74	H2	430732.89	0.5	112.4	60	125	
Ge (IS)	74	He	53914.93	0.7	104.0	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120810.50	1.0	94.6	60	125	
Tb (IS)	159	He	589500.75	1.4	94.6	60	125	
Bi (IS)	209	He	405593.95	0.3	94.3	60	125	

Sample Report

File Name 265SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:56:44

Sample Name **SD 460-304065-D-8-E@5**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	71.8	2000	
B	11	6	No Gas	31.723	ug/l	2.4	2000	
Na	23	45	He	12200.787	ug/l	1.4	500000	
Mg	24	45	He	1778.050	ug/l	0.3	500000	
Al	27	45	He	4.147	ug/l	52.7	500000	
K	39	45	He	1515.118	ug/l	1.8	500000	
Ca	40	45	H2	10776.548	ug/l	1.1	1000000	
Ti	47	45	No Gas	0.331	ug/l	24.0	10000	
V	51	45	He	-0.283	ug/l	N/A	5000	
Cr	52	45	He	0.612	ug/l	31.3	20000	
Mn	55	45	He	5.155	ug/l	8.5	20000	
Fe	56	45	H2	1.559	ug/l	20.1	500000	
Co	59	45	He	0.406	ug/l	1.4	2000	
Ni	60	45	He	0.736	ug/l	22.4	20000	
Cu	63	45	He	-0.189	ug/l	N/A	20000	
Zn	66	45	He	1.447	ug/l	48.9	20000	
As	75	74	He	-0.062	ug/l	N/A	5000	
Se	78	74	H2	0.612	ug/l	24.3	3000	
Sr	88	115	He	46.514	ug/l	1.7	5000	
Mo	95	115	He	0.331	ug/l	7.2	2000	
Ag	107	115	He	0.004	ug/l	96.4	1000	
Cd	111	115	He	0.059	ug/l	18.2	5000	
Sn	118	115	He	0.386	ug/l	36.6	2000	
Sb	121	115	He	0.069	ug/l	101.2	1000	
Ba	137	159	He	3.269	ug/l	7.4	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.221	ug/l	10.0		
[Pb]	207	209	He	0.159	ug/l	11.6		
Pb	208	209	He	0.184	ug/l	7.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6126511.58	1.2	90.3	60	125	
Sc (ISICPMS)	45	No Gas	7468446.83	0.9	100.0	60	125	
Sc (ISICPMS)	45	H2	2190303.18	0.2	105.5	60	125	
Sc (ISICPMS)	45	He	87756.77	1.9	94.1	60	125	
Ge (IS)	74	H2	433837.81	0.2	113.2	60	125	
Ge (IS)	74	He	54721.91	0.3	105.6	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122828.93	1.0	96.1	60	125	
Tb (IS)	159	He	590756.17	1.4	94.8	60	125	
Bi (IS)	209	He	410190.48	0.3	95.4	60	125	

Sample Report

File Name 266SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 03:59:11

Sample Name **460-304065-D-1-B**

Comment ---

Dilution **1.0000**

Vial # 2408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	207.2	2000	
B	11	6	No Gas	31.760	ug/l	1.8	2000	
Na	23	45	He	34282.838	ug/l	0.5	500000	
Mg	24	45	He	12685.452	ug/l	1.7	500000	
Al	27	45	He	0.811	ug/l	180.8	500000	
K	39	45	He	3530.986	ug/l	1.7	500000	
Ca	40	45	H2	43176.618	ug/l	0.8	1000000	
Ti	47	45	No Gas	2.112	ug/l	0.9	10000	
V	51	45	He	-0.467	ug/l	N/A	5000	
Cr	52	45	He	-1.572	ug/l	N/A	20000	
Mn	55	45	He	1659.236	ug/l	1.3	20000	
Fe	56	45	H2	11330.785	ug/l	1.0	500000	
Co	59	45	He	0.194	ug/l	12.1	2000	
Ni	60	45	He	2.262	ug/l	10.8	20000	
Cu	63	45	He	-0.213	ug/l	N/A	20000	
Zn	66	45	He	-1.920	ug/l	N/A	20000	
As	75	74	He	0.866	ug/l	7.2	5000	
Se	78	74	H2	0.247	ug/l	30.5	3000	
Sr	88	115	He	217.215	ug/l	1.0	5000	
Mo	95	115	He	5.108	ug/l	0.9	2000	
Ag	107	115	He	0.001	ug/l	116.0	1000	
Cd	111	115	He	0.001	ug/l	2310.6	5000	
Sn	118	115	He	-0.026	ug/l	N/A	2000	
Sb	121	115	He	0.017	ug/l	235.6	1000	
Ba	137	159	He	180.452	ug/l	1.4	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.010	ug/l	76.4		
[Pb]	207	209	He	-0.001	ug/l	N/A		
Pb	208	209	He	0.007	ug/l	163.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6133288.45	1.6	90.4	60	125	
Sc (ISICPMS)	45	No Gas	7600349.89	0.0	101.7	60	125	
Sc (ISICPMS)	45	H2	2215764.48	0.8	106.7	60	125	
Sc (ISICPMS)	45	He	86507.44	2.0	92.7	60	125	
Ge (IS)	74	H2	430483.96	0.3	112.3	60	125	
Ge (IS)	74	He	53603.06	1.2	103.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118603.99	1.4	92.8	60	125	
Tb (IS)	159	He	585214.29	1.1	93.9	60	125	
Bi (IS)	209	He	407455.61	0.8	94.8	60	125	

Sample Report

File Name 267SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:01:37

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	94.6	2000	
B	11	6	No Gas	2.648	ug/l	4.5	2000	
Na	23	45	He	51.636	ug/l	23.4	500000	
Mg	24	45	He	103.079	ug/l	173.4	500000	
Al	27	45	He	1167.932	ug/l	102.6	500000	
K	39	45	He	96.852	ug/l	206.8	500000	
Ca	40	45	H2	6.104	ug/l	8.0	1000000	
Ti	47	45	No Gas	0.019	ug/l	249.4	10000	
V	51	45	He	2.185	ug/l	198.0	5000	
Cr	52	45	He	-0.288	ug/l	N/A	20000	
Mn	55	45	He	1.990	ug/l	152.3	20000	
Fe	56	45	H2	1.339	ug/l	15.4	500000	
Co	59	45	He	1.463	ug/l	171.9	2000	
Ni	60	45	He	10.495	ug/l	165.7	20000	
Cu	63	45	He	-0.023	ug/l	N/A	20000	
Zn	66	45	He	27.926	ug/l	135.5	20000	
As	75	74	He	1.576	ug/l	189.2	5000	
Se	78	74	H2	0.080	ug/l	27.0	3000	
Sr	88	115	He	0.911	ug/l	185.4	5000	
Mo	95	115	He	12.825	ug/l	172.7	2000	
Ag	107	115	He	0.002	ug/l	93.7	1000	
Cd	111	115	He	15.324	ug/l	171.3	5000	
Sn	118	115	He	0.385	ug/l	85.5	2000	
Sb	121	115	He	40.776	ug/l	171.4	1000	
Ba	137	159	He	159.954	ug/l	172.6	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	0.020	ug/l	63.2		
[Pb]	207	209	He	35.545	ug/l	172.9		
Pb	208	209	He	7.808	ug/l	172.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5842826.72	0.3	86.1	60	125	
Sc (ISICPMS)	45	No Gas	7291078.71	1.1	97.6	60	125	
Sc (ISICPMS)	45	H2	2142865.07	1.4	103.2	60	125	
Sc (ISICPMS)	45	He	90634.38	6.8	97.1	60	125	
Ge (IS)	74	H2	402289.39	1.2	104.9	60	125	
Ge (IS)	74	He	50585.24	1.0	97.6	60	125	
Kr	83	He	170.36	173.2	5105.8			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122164.94	5.6	95.6	60	125	
Tb (IS)	159	He	584408.53	2.2	93.8	60	125	
Bi (IS)	209	He	404743.21	0.3	94.1	60	125	

Sample Report

File Name 268SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:04:04

Sample Name **460-304065-D-2-B**

Comment ---

Dilution **1.0000**

Vial # 2409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.060	ug/l	168.1	2000	
B	11	6	No Gas	28.748	ug/l	1.0	2000	
Na	23	45	He	92041.786	ug/l	1.1	500000	
Mg	24	45	He	2452.240	ug/l	0.7	500000	
Al	27	45	He	4.171	ug/l	28.2	500000	
K	39	45	He	2176.779	ug/l	1.3	500000	
Ca	40	45	H2	4741.429	ug/l	0.9	1000000	
Ti	47	45	No Gas	3.926	ug/l	122.2	10000	
V	51	45	He	-0.328	ug/l	N/A	5000	
Cr	52	45	He	-1.172	ug/l	N/A	20000	
Mn	55	45	He	8.885	ug/l	5.7	20000	
Fe	56	45	H2	2.355	ug/l	2.6	500000	
Co	59	45	He	0.083	ug/l	25.9	2000	
Ni	60	45	He	6.936	ug/l	4.6	20000	
Cu	63	45	He	2.903	ug/l	3.0	20000	
Zn	66	45	He	10.491	ug/l	4.4	20000	
As	75	74	He	0.331	ug/l	47.4	5000	
Se	78	74	H2	0.833	ug/l	15.8	3000	
Sr	88	115	He	20.254	ug/l	3.5	5000	
Mo	95	115	He	13.523	ug/l	1.7	2000	
Ag	107	115	He	0.008	ug/l	15.5	1000	
Cd	111	115	He	0.054	ug/l	74.9	5000	
Sn	118	115	He	0.080	ug/l	94.8	2000	
Sb	121	115	He	-0.004	ug/l	N/A	1000	
Ba	137	159	He	6.971	ug/l	8.6	20000	
Tl	205	209	He	0.017	ug/l	15.5	1000	
[Pb]	206	209	He	0.006	ug/l	96.0		
[Pb]	207	209	He	0.013	ug/l	163.2		
Pb	208	209	He	0.002	ug/l	150.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6259506.64	0.9	92.2	60	125	
Sc (ISICPMS)	45	No Gas	7647379.89	0.3	102.3	60	125	
Sc (ISICPMS)	45	H2	2190385.40	0.6	105.5	60	125	
Sc (ISICPMS)	45	He	88596.19	0.4	95.0	60	125	
Ge (IS)	74	H2	431389.96	0.7	112.5	60	125	
Ge (IS)	74	He	53669.94	1.0	103.6	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121326.42	0.3	95.0	60	125	
Tb (IS)	159	He	588219.53	0.9	94.4	60	125	
Bi (IS)	209	He	401572.43	0.6	93.4	60	125	

Continuing Calibration Verification (CCV)

File Name 269_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:06:31

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.677	ug/l	0.6	100	90	110	
B	11	6	No Gas	254.364	ug/l	0.7	250	225	275	
Na	23	45	He	25939.848	ug/l	1.6	25000	22500	27500	
Mg	24	45	He	25681.588	ug/l	1.8	25000	22500	27500	
Al	27	45	He	24439.710	ug/l	1.5	25000	22500	27500	
K	39	45	He	25039.680	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	24391.317	ug/l	1.4	25000	22500	27500	
Ti	47	45	No Gas	97.223	ug/l	1.7	100	90	110	
V	51	45	He	101.560	ug/l	1.5	100	90	110	
Cr	52	45	He	102.003	ug/l	2.3	100	90	110	
Mn	55	45	He	101.100	ug/l	1.2	100	90	110	
Fe	56	45	H2	25274.836	ug/l	1.8	25000	22500	27500	
Co	59	45	He	103.224	ug/l	1.1	100	90	110	
Ni	60	45	He	103.763	ug/l	0.1	100	90	110	
Cu	63	45	He	103.295	ug/l	1.0	100	90	110	
Zn	66	45	He	255.561	ug/l	2.6	250	225	275	
As	75	74	He	100.404	ug/l	3.1	100	90	110	
Se	78	74	H2	97.622	ug/l	1.2	100	90	110	
Sr	88	115	He	98.411	ug/l	1.9	100	90	110	
Mo	95	115	He	102.007	ug/l	0.9	100	90	110	
Ag	107	115	He	52.238	ug/l	1.1	50	45	55	
Cd	111	115	He	98.810	ug/l	1.1	100	90	110	
Sn	118	115	He	101.951	ug/l	1.7	100	90	110	
Sb	121	115	He	100.089	ug/l	0.8	100	90	110	
Ba	137	159	He	99.347	ug/l	1.1	100	90	110	
Tl	205	209	He	100.189	ug/l	1.0	100	90	110	
[Pb]	206	209	He	99.297	ug/l	1.5				
[Pb]	207	209	He	99.191	ug/l	0.8				
Pb	208	209	He	99.232	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5996872.55	0.6	88.4	60	125	
Sc (ISICPMS)	45	No Gas	7308043.92	1.2	97.8	60	125	
Sc (ISICPMS)	45	H2	2139771.71	1.0	103.0	60	125	
Sc (ISICPMS)	45	He	84593.40	0.8	90.7	60	125	
Ge (IS)	74	H2	413839.49	0.5	108.0	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	50869.83	1.5	98.2	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	116335.10	1.3	91.1	60	125	
Tb (IS)	159	He	575541.68	0.2	92.4	60	125	
Bi (IS)	209	He	394863.80	0.4	91.8	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 270_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:08:57

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.017	ug/l	32.7	0.8	-0.8	0.8	
B	11	6	No Gas	3.418	ug/l	5.2	40	-40	40	
Na	23	45	He	64.630	ug/l	6.1	500	-500	500	
Mg	24	45	He	2.068	ug/l	60.9	200	-200	200	
Al	27	45	He	2.296	ug/l	140.0	40	-40	40	
K	39	45	He	3.145	ug/l	513.3	200	-200	200	
Ca	40	45	H2	2.202	ug/l	17.5	500	-500	500	
Ti	47	45	No Gas	0.042	ug/l	333.5	4	-4	4	
V	51	45	He	-0.378	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.106	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.074	ug/l	107.3	8	-8	8	
Fe	56	45	H2	2.722	ug/l	8.2	60	-60	60	
Co	59	45	He	0.012	ug/l	71.6	4	-4	4	
Ni	60	45	He	0.217	ug/l	73.8	4	-4	4	
Cu	63	45	He	-0.267	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.354	ug/l	N/A	16	-16	16	
As	75	74	He	-0.071	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.046	ug/l	161.2	2.5	-2.5	2.5	
Sr	88	115	He	-0.132	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.021	ug/l	175.4	4	-4	4	
Ag	107	115	He	0.006	ug/l	168.7	2	-2	2	
Cd	111	115	He	0.000	ug/l	3393.1	2	-2	2	
Sn	118	115	He	0.072	ug/l	88.9	16	-16	16	
Sb	121	115	He	0.007	ug/l	516.6	2	-2	2	
Ba	137	159	He	0.299	ug/l	21.1	4	-4	4	
Tl	205	209	He	0.008	ug/l	59.8	0.8	-0.8	0.8	
[Pb]	206	209	He	0.037	ug/l	43.1				
[Pb]	207	209	He	0.016	ug/l	83.1				
Pb	208	209	He	0.016	ug/l	50.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5903700.40	1.5	87.0	60	125	
Sc (ISICPMS)	45	No Gas	7296609.82	1.3	97.7	60	125	
Sc (ISICPMS)	45	H2	2154276.39	0.6	103.7	60	125	
Sc (ISICPMS)	45	He	86074.01	0.9	92.3	60	125	
Ge (IS)	74	H2	401928.09	1.1	104.8	60	125	
Ge (IS)	74	He	51663.55	0.9	99.7	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	119033.16	1.0	93.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	576294.18	0.5	92.5	60	125	
Bi (IS)	209	He	403940.13	0.1	94.0	60	125	

Sample Report

File Name 271SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:11:23

Sample Name **460-304065-D-5-B**

Comment ---

Dilution **1.0000**

Vial # 2410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.152	ug/l	8.3	2000	
B	11	6	No Gas	44.305	ug/l	1.2	2000	
Na	23	45	He	58197.158	ug/l	7.7	500000	
Mg	24	45	He	44449.435	ug/l	7.6	500000	
Al	27	45	He	4042.709	ug/l	173.2	500000	
K	39	45	He	5275.612	ug/l	8.1	500000	
Ca	40	45	H2	32947.119	ug/l	0.3	1000000	
Ti	47	45	No Gas	7.131	ug/l	2.8	10000	
V	51	45	He	-0.326	ug/l	N/A	5000	
Cr	52	45	He	-0.774	ug/l	N/A	20000	
Mn	55	45	He	414.423	ug/l	7.9	20000	
Fe	56	45	H2	3363.098	ug/l	0.6	500000	
Co	59	45	He	9.022	ug/l	170.0	2000	
Ni	60	45	He	2.786	ug/l	26.0	20000	
Cu	63	45	He	7.681	ug/l	180.7	20000	
Zn	66	45	He	176.731	ug/l	174.2	20000	
As	75	74	He	0.034	ug/l	525.0	5000	
Se	78	74	H2	68.532	ug/l	172.8	3000	
Sr	88	115	He	93.984	ug/l	1.7	5000	
Mo	95	115	He	1.063	ug/l	12.4	2000	
Ag	107	115	He	0.427	ug/l	172.3	1000	
Cd	111	115	He	0.014	ug/l	146.1	5000	
Sn	118	115	He	4.337	ug/l	176.7	2000	
Sb	121	115	He	0.155	ug/l	156.9	1000	
Ba	137	159	He	853.131	ug/l	77.6	20000	
Tl	205	209	He	0.510	ug/l	177.7	1000	
[Pb]	206	209	He	1.843	ug/l	174.7		
[Pb]	207	209	He	9.302	ug/l	172.9		
Pb	208	209	He	9.804	ug/l	173.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6010744.08	1.5	88.6	60	125	
Sc (ISICPMS)	45	No Gas	7526759.75	1.0	100.7	60	125	
Sc (ISICPMS)	45	H2	2198380.52	0.4	105.9	60	125	
Sc (ISICPMS)	45	He	91595.63	8.5	98.2	60	125	
Ge (IS)	74	H2	427233.68	0.6	111.4	60	125	
Ge (IS)	74	He	53160.71	2.1	102.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119579.01	0.6	93.6	60	125	
Tb (IS)	159	He	585357.81	0.1	94.0	60	125	
Bi (IS)	209	He	416661.91	6.9	96.9	60	125	

Sample Report

File Name 272SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:13:51

Sample Name **460-304065-D-6-B**

Comment ---

Dilution **1.0000**

Vial # 2411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.032	ug/l	18.0	2000	
B	11	6	No Gas	42.069	ug/l	0.9	2000	
Na	23	45	He	61341.914	ug/l	1.0	500000	
Mg	24	45	He	23142.442	ug/l	0.4	500000	
Al	27	45	He	1.623	ug/l	155.4	500000	
K	39	45	He	5203.366	ug/l	0.4	500000	
Ca	40	45	H2	29287.876	ug/l	2.1	1000000	
Ti	47	45	No Gas	2.937	ug/l	2.5	10000	
V	51	45	He	-0.450	ug/l	N/A	5000	
Cr	52	45	He	-1.392	ug/l	N/A	20000	
Mn	55	45	He	280.306	ug/l	0.4	20000	
Fe	56	45	H2	4545.940	ug/l	0.7	500000	
Co	59	45	He	2.160	ug/l	2.4	2000	
Ni	60	45	He	14.362	ug/l	1.0	20000	
Cu	63	45	He	-0.179	ug/l	N/A	20000	
Zn	66	45	He	-1.697	ug/l	N/A	20000	
As	75	74	He	0.116	ug/l	43.7	5000	
Se	78	74	H2	0.062	ug/l	105.9	3000	
Sr	88	115	He	185.064	ug/l	1.4	5000	
Mo	95	115	He	0.942	ug/l	5.9	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.007	ug/l	163.1	5000	
Sn	118	115	He	-0.170	ug/l	N/A	2000	
Sb	121	115	He	0.029	ug/l	32.0	1000	
Ba	137	159	He	77.265	ug/l	1.4	20000	
Tl	205	209	He	-0.005	ug/l	N/A	1000	
[Pb]	206	209	He	0.031	ug/l	23.9		
[Pb]	207	209	He	0.014	ug/l	81.0		
Pb	208	209	He	0.031	ug/l	23.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6106267.41	1.4	90.0	60	125	
Sc (ISICPMS)	45	No Gas	7532580.79	1.1	100.8	60	125	
Sc (ISICPMS)	45	H2	2206219.10	0.5	106.2	60	125	
Sc (ISICPMS)	45	He	86716.85	0.4	92.9	60	125	
Ge (IS)	74	H2	428539.28	0.1	111.8	60	125	
Ge (IS)	74	He	54119.06	1.2	104.4	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118821.81	0.1	93.0	60	125	
Tb (IS)	159	He	583645.99	0.3	93.7	60	125	
Bi (IS)	209	He	400958.58	0.8	93.3	60	125	

Sample Report

File Name 273SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:16:17

Sample Name **460-304065-D-7-B**

Comment ---

Dilution **1.0000**

Vial # 2412

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	34.2	2000	
B	11	6	No Gas	33.930	ug/l	1.8	2000	
Na	23	45	He	54240.458	ug/l	0.4	500000	
Mg	24	45	He	26599.147	ug/l	1.4	500000	
Al	27	45	He	1.546	ug/l	98.4	500000	
K	39	45	He	4070.887	ug/l	1.4	500000	
Ca	40	45	H2	58339.184	ug/l	0.6	1000000	
Ti	47	45	No Gas	1.343	ug/l	4.5	10000	
V	51	45	He	-0.479	ug/l	N/A	5000	
Cr	52	45	He	-1.627	ug/l	N/A	20000	
Mn	55	45	He	228.015	ug/l	1.3	20000	
Fe	56	45	H2	3217.622	ug/l	0.8	500000	
Co	59	45	He	1.153	ug/l	1.8	2000	
Ni	60	45	He	5.727	ug/l	7.5	20000	
Cu	63	45	He	0.279	ug/l	21.9	20000	
Zn	66	45	He	-0.386	ug/l	N/A	20000	
As	75	74	He	0.079	ug/l	133.3	5000	
Se	78	74	H2	0.791	ug/l	24.5	3000	
Sr	88	115	He	274.165	ug/l	0.6	5000	
Mo	95	115	He	0.551	ug/l	14.7	2000	
Ag	107	115	He	0.002	ug/l	183.1	1000	
Cd	111	115	He	0.014	ug/l	1.1	5000	
Sn	118	115	He	-0.142	ug/l	N/A	2000	
Sb	121	115	He	-0.001	ug/l	N/A	1000	
Ba	137	159	He	80.340	ug/l	0.4	20000	
Tl	205	209	He	-0.006	ug/l	N/A	1000	
[Pb]	206	209	He	-0.001	ug/l	N/A		
[Pb]	207	209	He	0.006	ug/l	308.8		
Pb	208	209	He	0.002	ug/l	574.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5989494.15	1.0	88.2	60	125	
Sc (ISICPMS)	45	No Gas	7476832.60	1.5	100.1	60	125	
Sc (ISICPMS)	45	H2	2192788.32	0.4	105.6	60	125	
Sc (ISICPMS)	45	He	87428.02	1.0	93.7	60	125	
Ge (IS)	74	H2	424775.49	0.9	110.8	60	125	
Ge (IS)	74	He	54158.88	1.9	104.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121113.67	0.8	94.8	60	125	
Tb (IS)	159	He	580951.83	0.8	93.3	60	125	
Bi (IS)	209	He	403503.34	0.2	93.9	60	125	

Sample Report

File Name 274SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:18:44

Sample Name **460-304065-D-9-B**

Comment ---

Dilution **1.0000**

Vial # 2501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.026	ug/l	12.9	2000	
B	11	6	No Gas	28.336	ug/l	1.1	2000	
Na	23	45	He	41121.102	ug/l	1.5	500000	
Mg	24	45	He	15146.867	ug/l	1.5	500000	
Al	27	45	He	3.811	ug/l	53.1	500000	
K	39	45	He	6099.312	ug/l	1.2	500000	
Ca	40	45	H2	37963.192	ug/l	2.1	1000000	
Ti	47	45	No Gas	1.791	ug/l	6.6	10000	
V	51	45	He	-0.465	ug/l	N/A	5000	
Cr	52	45	He	-1.158	ug/l	N/A	20000	
Mn	55	45	He	665.008	ug/l	1.3	20000	
Fe	56	45	H2	1765.814	ug/l	1.5	500000	
Co	59	45	He	5.400	ug/l	1.6	2000	
Ni	60	45	He	21.303	ug/l	0.8	20000	
Cu	63	45	He	0.755	ug/l	10.5	20000	
Zn	66	45	He	0.453	ug/l	71.2	20000	
As	75	74	He	-0.131	ug/l	N/A	5000	
Se	78	74	H2	0.159	ug/l	34.6	3000	
Sr	88	115	He	271.561	ug/l	0.9	5000	
Mo	95	115	He	0.971	ug/l	3.1	2000	
Ag	107	115	He	0.002	ug/l	265.4	1000	
Cd	111	115	He	0.041	ug/l	27.8	5000	
Sn	118	115	He	-0.049	ug/l	N/A	2000	
Sb	121	115	He	0.041	ug/l	138.4	1000	
Ba	137	159	He	37.585	ug/l	1.8	20000	
Tl	205	209	He	0.014	ug/l	37.9	1000	
[Pb]	206	209	He	0.006	ug/l	334.8		
[Pb]	207	209	He	0.024	ug/l	47.5		
Pb	208	209	He	0.008	ug/l	103.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6026849.36	0.5	88.8	60	125	
Sc (ISICPMS)	45	No Gas	7550142.39	1.9	101.0	60	125	
Sc (ISICPMS)	45	H2	2215865.89	1.5	106.7	60	125	
Sc (ISICPMS)	45	He	87055.01	0.8	93.3	60	125	
Ge (IS)	74	H2	432228.73	0.7	112.7	60	125	
Ge (IS)	74	He	54276.26	2.2	104.7	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119768.67	0.8	93.8	60	125	
Tb (IS)	159	He	582427.21	1.0	93.5	60	125	
Bi (IS)	209	He	402195.48	0.3	93.6	60	125	

Sample Report

File Name 275SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:21:09

Sample Name **460-304065-D-10-B**

Comment ---

Dilution **1.0000**

Vial # 2502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.027	ug/l	79.9	2000	
B	11	6	No Gas	31.601	ug/l	0.7	2000	
Na	23	45	He	52474.464	ug/l	1.1	500000	
Mg	24	45	He	26679.558	ug/l	1.0	500000	
Al	27	45	He	0.046	ug/l	3992.2	500000	
K	39	45	He	4114.601	ug/l	0.7	500000	
Ca	40	45	H2	60039.772	ug/l	1.2	1000000	
Ti	47	45	No Gas	1.903	ug/l	34.0	10000	
V	51	45	He	-0.429	ug/l	N/A	5000	
Cr	52	45	He	-1.422	ug/l	N/A	20000	
Mn	55	45	He	249.981	ug/l	0.7	20000	
Fe	56	45	H2	4192.323	ug/l	0.7	500000	
Co	59	45	He	1.165	ug/l	1.1	2000	
Ni	60	45	He	5.257	ug/l	7.6	20000	
Cu	63	45	He	0.037	ug/l	162.5	20000	
Zn	66	45	He	-0.772	ug/l	N/A	20000	
As	75	74	He	0.169	ug/l	57.9	5000	
Se	78	74	H2	0.727	ug/l	34.5	3000	
Sr	88	115	He	270.408	ug/l	2.0	5000	
Mo	95	115	He	0.535	ug/l	5.4	2000	
Ag	107	115	He	0.000	ug/l	2056.3	1000	
Cd	111	115	He	0.007	ug/l	333.5	5000	
Sn	118	115	He	-0.163	ug/l	N/A	2000	
Sb	121	115	He	0.002	ug/l	858.4	1000	
Ba	137	159	He	81.454	ug/l	1.4	20000	
Tl	205	209	He	-0.006	ug/l	N/A	1000	
[Pb]	206	209	He	0.006	ug/l	422.4		
[Pb]	207	209	He	0.011	ug/l	93.2		
Pb	208	209	He	0.003	ug/l	479.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6033108.94	0.6	88.9	60	125	
Sc (ISICPMS)	45	No Gas	7603924.96	1.4	101.8	60	125	
Sc (ISICPMS)	45	H2	2208490.66	1.2	106.3	60	125	
Sc (ISICPMS)	45	He	87569.49	1.3	93.9	60	125	
Ge (IS)	74	H2	430348.47	0.7	112.3	60	125	
Ge (IS)	74	He	53941.52	2.5	104.1	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120902.26	1.1	94.6	60	125	
Tb (IS)	159	He	591028.56	0.3	94.9	60	125	
Bi (IS)	209	He	405483.12	0.2	94.3	60	125	

Sample Report

File Name 276SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:23:37

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	130.5	2000	
B	11	6	No Gas	1.492	ug/l	3.4	2000	
Na	23	45	He	73.733	ug/l	3.6	500000	
Mg	24	45	He	1.143	ug/l	135.7	500000	
Al	27	45	He	0.095	ug/l	1541.3	500000	
K	39	45	He	7.917	ug/l	162.6	500000	
Ca	40	45	H2	8.050	ug/l	3.4	1000000	
Ti	47	45	No Gas	0.073	ug/l	180.1	10000	
V	51	45	He	-0.337	ug/l	N/A	5000	
Cr	52	45	He	0.058	ug/l	144.5	20000	
Mn	55	45	He	0.152	ug/l	69.5	20000	
Fe	56	45	H2	1.653	ug/l	5.1	500000	
Co	59	45	He	0.014	ug/l	163.1	2000	
Ni	60	45	He	0.555	ug/l	39.3	20000	
Cu	63	45	He	-0.259	ug/l	N/A	20000	
Zn	66	45	He	-0.172	ug/l	N/A	20000	
As	75	74	He	-0.071	ug/l	N/A	5000	
Se	78	74	H2	0.033	ug/l	105.4	3000	
Sr	88	115	He	-0.023	ug/l	N/A	5000	
Mo	95	115	He	0.018	ug/l	211.8	2000	
Ag	107	115	He	0.003	ug/l	80.0	1000	
Cd	111	115	He	0.007	ug/l	164.1	5000	
Sn	118	115	He	-0.067	ug/l	N/A	2000	
Sb	121	115	He	0.029	ug/l	204.9	1000	
Ba	137	159	He	0.308	ug/l	19.6	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.012	ug/l	208.5		
[Pb]	207	209	He	0.026	ug/l	79.9		
Pb	208	209	He	0.010	ug/l	87.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5936297.14	0.3	87.5	60	125	
Sc (ISICPMS)	45	No Gas	7424676.35	0.8	99.4	60	125	
Sc (ISICPMS)	45	H2	2187778.94	1.2	105.4	60	125	
Sc (ISICPMS)	45	He	86957.52	1.0	93.2	60	125	
Ge (IS)	74	H2	406077.65	0.4	105.9	60	125	
Ge (IS)	74	He	51556.16	0.5	99.5	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119237.75	0.8	93.3	60	125	
Tb (IS)	159	He	581668.57	0.6	93.4	60	125	
Bi (IS)	209	He	405874.48	1.8	94.4	60	125	

Sample Report

File Name 277SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:26:03

Sample Name **460-304065-D-11-B**

Comment ---

Dilution **1.0000**

Vial # 2503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	377.8	2000	
B	11	6	No Gas	115.333	ug/l	2.1	2000	
Na	23	45	He	31260.154	ug/l	3.3	500000	
Mg	24	45	He	11653.153	ug/l	3.2	500000	
Al	27	45	He	11.966	ug/l	97.8	500000	
K	39	45	He	5744.600	ug/l	2.0	500000	
Ca	40	45	H2	67489.349	ug/l	0.2	1000000	
Ti	47	45	No Gas	2.505	ug/l	2.5	10000	
V	51	45	He	0.124	ug/l	32.6	5000	
Cr	52	45	He	1.377	ug/l	332.6	20000	
Mn	55	45	He	632.530	ug/l	4.4	20000	
Fe	56	45	H2	318.883	ug/l	1.0	500000	
Co	59	45	He	0.568	ug/l	2.8	2000	
Ni	60	45	He	2.381	ug/l	10.5	20000	
Cu	63	45	He	1.449	ug/l	161.0	20000	
Zn	66	45	He	3.986	ug/l	227.0	20000	
As	75	74	He	1.896	ug/l	120.3	5000	
Se	78	74	H2	0.265	ug/l	35.0	3000	
Sr	88	115	He	352.924	ug/l	10.8	5000	
Mo	95	115	He	10.473	ug/l	17.0	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	2.265	ug/l	181.3	2000	
Sb	121	115	He	0.158	ug/l	28.7	1000	
Ba	137	159	He	79.778	ug/l	32.8	20000	
Tl	205	209	He	2.849	ug/l	172.3	1000	
[Pb]	206	209	He	0.048	ug/l	48.7		
[Pb]	207	209	He	0.054	ug/l	15.2		
Pb	208	209	He	0.064	ug/l	38.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5999354.63	1.9	88.4	60	125	
Sc (ISICPMS)	45	No Gas	7603295.37	0.8	101.8	60	125	
Sc (ISICPMS)	45	H2	2219483.54	0.7	106.9	60	125	
Sc (ISICPMS)	45	He	89369.97	3.7	95.8	60	125	
Ge (IS)	74	H2	435409.41	0.8	113.6	60	125	
Ge (IS)	74	He	54956.60	1.2	106.0	60	125	
Kr	83	He	307.58	170.4	9218.3			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137392.94	19.3	107.5	60	125	
Tb (IS)	159	He	591040.68	0.9	94.9	60	125	
Bi (IS)	209	He	408001.67	0.9	94.9	60	125	

Continuing Calibration Verification (CCV)

File Name 278_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:28:30

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.980	ug/l	0.5	100	90	110	
B	11	6	No Gas	253.659	ug/l	1.0	250	225	275	
Na	23	45	He	25349.775	ug/l	0.2	25000	22500	27500	
Mg	24	45	He	25329.319	ug/l	0.7	25000	22500	27500	
Al	27	45	He	24067.643	ug/l	1.1	25000	22500	27500	
K	39	45	He	24800.658	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	24501.628	ug/l	0.4	25000	22500	27500	
Ti	47	45	No Gas	96.986	ug/l	1.5	100	90	110	
V	51	45	He	100.270	ug/l	1.5	100	90	110	
Cr	52	45	He	102.106	ug/l	1.9	100	90	110	
Mn	55	45	He	98.689	ug/l	1.2	100	90	110	
Fe	56	45	H2	25729.590	ug/l	0.5	25000	22500	27500	
Co	59	45	He	104.433	ug/l	2.7	100	90	110	
Ni	60	45	He	108.384	ug/l	6.0	100	90	110	
Cu	63	45	He	101.867	ug/l	0.6	100	90	110	
Zn	66	45	He	259.202	ug/l	2.0	250	225	275	
As	75	74	He	105.345	ug/l	12.3	100	90	110	
Se	78	74	H2	98.829	ug/l	3.5	100	90	110	
Sr	88	115	He	94.757	ug/l	4.4	100	90	110	
Mo	95	115	He	102.563	ug/l	2.6	100	90	110	
Ag	107	115	He	50.669	ug/l	3.7	50	45	55	
Cd	111	115	He	99.533	ug/l	2.8	100	90	110	
Sn	118	115	He	99.207	ug/l	3.0	100	90	110	
Sb	121	115	He	101.130	ug/l	3.3	100	90	110	
Ba	137	159	He	111.075	ug/l	20.6	100	90	110	failed
Tl	205	209	He	98.674	ug/l	0.8	100	90	110	
[Pb]	206	209	He	101.897	ug/l	4.5				
[Pb]	207	209	He	99.232	ug/l	0.9				
Pb	208	209	He	99.747	ug/l	1.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5863747.69	0.8	86.4	60	125	
Sc (ISICPMS)	45	No Gas	7299392.95	0.8	97.7	60	125	
Sc (ISICPMS)	45	H2	2136180.84	0.6	102.9	60	125	
Sc (ISICPMS)	45	He	85632.85	0.7	91.8	60	125	
Ge (IS)	74	H2	411881.02	0.8	107.4	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52813.12	1.6	101.9	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	119974.96	2.0	93.9	60	125	
Tb (IS)	159	He	593819.06	3.2	95.3	60	125	
Bi (IS)	209	He	397799.54	0.5	92.5	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 279_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:30:56

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.012	ug/l	9.2	0.8	-0.8	0.8	
B	11	6	No Gas	3.197	ug/l	4.4	40	-40	40	
Na	23	45	He	53.389	ug/l	4.9	500	-500	500	
Mg	24	45	He	2.281	ug/l	24.4	200	-200	200	
Al	27	45	He	4.170	ug/l	64.0	40	-40	40	
K	39	45	He	2.606	ug/l	455.2	200	-200	200	
Ca	40	45	H2	3.149	ug/l	39.5	500	-500	500	
Ti	47	45	No Gas	0.339	ug/l	119.3	4	-4	4	
V	51	45	He	-0.384	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.113	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.062	ug/l	79.2	8	-8	8	
Fe	56	45	H2	3.032	ug/l	9.7	60	-60	60	
Co	59	45	He	0.022	ug/l	43.3	4	-4	4	
Ni	60	45	He	0.293	ug/l	49.1	4	-4	4	
Cu	63	45	He	-0.312	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.613	ug/l	N/A	16	-16	16	
As	75	74	He	-0.016	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.068	ug/l	89.4	2.5	-2.5	2.5	
Sr	88	115	He	-0.038	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.030	ug/l	36.9	4	-4	4	
Ag	107	115	He	0.009	ug/l	85.7	2	-2	2	
Cd	111	115	He	0.013	ug/l	147.3	2	-2	2	
Sn	118	115	He	0.049	ug/l	219.7	16	-16	16	
Sb	121	115	He	0.011	ug/l	282.2	2	-2	2	
Ba	137	159	He	0.316	ug/l	19.5	4	-4	4	
Tl	205	209	He	0.007	ug/l	67.4	0.8	-0.8	0.8	
[Pb]	206	209	He	0.015	ug/l	112.5				
[Pb]	207	209	He	0.029	ug/l	34.7				
Pb	208	209	He	0.018	ug/l	23.3	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	6043416.93	1.5	89.0	60	125	
Sc (ISICPMS)	45	No Gas	7472233.08	0.4	100.0	60	125	
Sc (ISICPMS)	45	H2	2166949.71	0.5	104.3	60	125	
Sc (ISICPMS)	45	He	88702.84	0.9	95.1	60	125	
Ge (IS)	74	H2	405716.46	0.4	105.8	60	125	
Ge (IS)	74	He	51542.87	0.9	99.5	60	125	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	122147.09	0.1	95.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	588878.03	0.3	94.5	60	125	
Bi (IS)	209	He	409583.73	0.0	95.3	60	125	

Sample Report

File Name 280SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:33:23

Sample Name **MB 460-975346/1-B**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	52.3	2000	
B	11	6	No Gas	1.748	ug/l	8.4	2000	
Na	23	45	He	57.689	ug/l	9.2	500000	
Mg	24	45	He	0.867	ug/l	128.9	500000	
Al	27	45	He	2.314	ug/l	32.9	500000	
K	39	45	He	3.583	ug/l	492.9	500000	
Ca	40	45	H2	3.686	ug/l	21.9	1000000	
Ti	47	45	No Gas	0.084	ug/l	50.4	10000	
V	51	45	He	-0.260	ug/l	N/A	5000	
Cr	52	45	He	0.159	ug/l	164.7	20000	
Mn	55	45	He	0.106	ug/l	29.7	20000	
Fe	56	45	H2	1.733	ug/l	13.5	500000	
Co	59	45	He	0.017	ug/l	135.7	2000	
Ni	60	45	He	0.302	ug/l	52.2	20000	
Cu	63	45	He	-0.257	ug/l	N/A	20000	
Zn	66	45	He	-2.052	ug/l	N/A	20000	
As	75	74	He	-0.056	ug/l	N/A	5000	
Se	78	74	H2	0.031	ug/l	187.7	3000	
Sr	88	115	He	-0.053	ug/l	N/A	5000	
Mo	95	115	He	0.032	ug/l	70.4	2000	
Ag	107	115	He	0.006	ug/l	56.1	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.173	ug/l	50.5	2000	
Sb	121	115	He	-0.011	ug/l	N/A	1000	
Ba	137	159	He	0.327	ug/l	32.1	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	0.012	ug/l	57.5		
[Pb]	207	209	He	0.022	ug/l	80.3		
Pb	208	209	He	0.016	ug/l	46.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6082638.87	1.0	89.6	60	125	
Sc (ISICPMS)	45	No Gas	7522318.36	0.5	100.7	60	125	
Sc (ISICPMS)	45	H2	2204360.16	1.1	106.2	60	125	
Sc (ISICPMS)	45	He	88898.40	1.3	95.3	60	125	
Ge (IS)	74	H2	416540.88	1.1	108.7	60	125	
Ge (IS)	74	He	52906.51	1.4	102.1	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122460.02	0.5	95.9	60	125	
Tb (IS)	159	He	586424.10	0.4	94.1	60	125	
Bi (IS)	209	He	408334.33	0.4	95.0	60	125	

Sample Report

File Name 281SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:35:50

Sample Name **LCS 460-975347/6-A**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.653	ug/l	0.8	2000	
B	11	6	No Gas	483.129	ug/l	1.4	2000	
Na	23	45	He	2431.654	ug/l	1.6	500000	
Mg	24	45	He	2336.707	ug/l	1.7	500000	
Al	27	45	He	2267.194	ug/l	1.1	500000	
K	39	45	He	2297.614	ug/l	1.4	500000	
Ca	40	45	H2	2294.683	ug/l	0.7	1000000	
Ti	47	45	No Gas	44.606	ug/l	2.1	10000	
V	51	45	He	46.383	ug/l	0.6	5000	
Cr	52	45	He	47.185	ug/l	2.0	20000	
Mn	55	45	He	228.538	ug/l	2.0	20000	
Fe	56	45	H2	2380.622	ug/l	1.1	500000	
Co	59	45	He	23.831	ug/l	1.9	2000	
Ni	60	45	He	48.613	ug/l	3.0	20000	
Cu	63	45	He	47.818	ug/l	0.7	20000	
Zn	66	45	He	233.650	ug/l	2.0	20000	
As	75	74	He	47.575	ug/l	0.6	5000	
Se	78	74	H2	45.530	ug/l	1.1	3000	
Sr	88	115	He	45.081	ug/l	1.8	5000	
Mo	95	115	He	46.882	ug/l	1.4	2000	
Ag	107	115	He	6.736	ug/l	1.4	1000	
Cd	111	115	He	23.901	ug/l	0.9	5000	
Sn	118	115	He	46.917	ug/l	1.0	2000	
Sb	121	115	He	23.543	ug/l	0.9	1000	
Ba	137	159	He	45.904	ug/l	1.3	20000	
Tl	205	209	He	17.891	ug/l	0.5	1000	
[Pb]	206	209	He	22.819	ug/l	0.1		
[Pb]	207	209	He	22.570	ug/l	0.2		
Pb	208	209	He	22.615	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5971640.47	0.6	88.0	60	125	
Sc (ISICPMS)	45	No Gas	7513303.71	1.9	100.6	60	125	
Sc (ISICPMS)	45	H2	2203115.02	0.5	106.1	60	125	
Sc (ISICPMS)	45	He	87100.96	2.0	93.4	60	125	
Ge (IS)	74	H2	418187.23	0.8	109.1	60	125	
Ge (IS)	74	He	51603.37	1.0	99.6	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119201.33	1.5	93.3	60	125	
Tb (IS)	159	He	584370.25	0.0	93.8	60	125	
Bi (IS)	209	He	410632.20	0.4	95.5	60	125	

Sample Report

File Name 282SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:38:17

Sample Name **460-303862-F-1-F MS**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.710	ug/l	0.3	2000	
B	11	6	No Gas	530.461	ug/l	1.3	2000	
Na	23	45	He	135860.878	ug/l	1.6	500000	
Mg	24	45	He	52929.602	ug/l	1.2	500000	
Al	27	45	He	2418.015	ug/l	1.0	500000	
K	39	45	He	4770.273	ug/l	1.0	500000	
Ca	40	45	H2	145378.926	ug/l	0.9	1000000	
Ti	47	45	No Gas	46.507	ug/l	1.1	10000	
V	51	45	He	49.218	ug/l	0.1	5000	
Cr	52	45	He	47.608	ug/l	0.8	20000	
Mn	55	45	He	11045.849	ug/l	0.5	20000	
Fe	56	45	H2	2423.887	ug/l	0.3	500000	
Co	59	45	He	25.286	ug/l	0.9	2000	
Ni	60	45	He	50.435	ug/l	0.6	20000	
Cu	63	45	He	49.661	ug/l	0.6	20000	
Zn	66	45	He	245.567	ug/l	0.8	20000	
As	75	74	He	45.393	ug/l	1.2	5000	
Se	78	74	H2	48.151	ug/l	1.6	3000	
Sr	88	115	He	777.537	ug/l	1.4	5000	
Mo	95	115	He	49.699	ug/l	1.3	2000	
Ag	107	115	He	6.613	ug/l	1.0	1000	
Cd	111	115	He	25.499	ug/l	2.4	5000	
Sn	118	115	He	35.551	ug/l	1.6	2000	
Sb	121	115	He	25.652	ug/l	1.8	1000	
Ba	137	159	He	354.366	ug/l	0.8	20000	
Tl	205	209	He	19.370	ug/l	0.7	1000	
[Pb]	206	209	He	24.595	ug/l	0.9		
[Pb]	207	209	He	24.171	ug/l	1.5		
Pb	208	209	He	24.369	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6085242.69	1.0	89.7	60	125	
Sc (ISICPMS)	45	No Gas	7540061.76	1.0	100.9	60	125	
Sc (ISICPMS)	45	H2	2197202.71	0.5	105.8	60	125	
Sc (ISICPMS)	45	He	88470.97	0.8	94.8	60	125	
Ge (IS)	74	H2	422896.91	0.7	110.3	60	125	
Ge (IS)	74	He	52782.37	2.0	101.8	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121450.43	0.3	95.1	60	125	
Tb (IS)	159	He	591596.66	0.2	95.0	60	125	
Bi (IS)	209	He	396920.85	0.4	92.3	60	125	

Sample Report

File Name 283SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:40:44

Sample Name **460-303862-F-1-E DU**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	23.3	2000	
B	11	6	No Gas	40.690	ug/l	0.6	2000	
Na	23	45	He	134986.770	ug/l	0.8	500000	
Mg	24	45	He	50772.377	ug/l	0.5	500000	
Al	27	45	He	4.957	ug/l	28.8	500000	
K	39	45	He	2309.543	ug/l	0.7	500000	
Ca	40	45	H2	145501.208	ug/l	0.6	1000000	
Ti	47	45	No Gas	0.045	ug/l	150.3	10000	
V	51	45	He	-0.105	ug/l	N/A	5000	
Cr	52	45	He	-1.460	ug/l	N/A	20000	
Mn	55	45	He	11766.642	ug/l	0.6	20000	
Fe	56	45	H2	1.177	ug/l	15.5	500000	
Co	59	45	He	0.474	ug/l	5.8	2000	
Ni	60	45	He	2.171	ug/l	5.7	20000	
Cu	63	45	He	2.439	ug/l	3.6	20000	
Zn	66	45	He	-0.504	ug/l	N/A	20000	
As	75	74	He	0.258	ug/l	75.2	5000	
Se	78	74	H2	0.336	ug/l	20.2	3000	
Sr	88	115	He	751.599	ug/l	0.7	5000	
Mo	95	115	He	0.748	ug/l	10.7	2000	
Ag	107	115	He	0.001	ug/l	204.3	1000	
Cd	111	115	He	0.252	ug/l	28.5	5000	
Sn	118	115	He	0.034	ug/l	403.7	2000	
Sb	121	115	He	0.042	ug/l	83.0	1000	
Ba	137	159	He	315.555	ug/l	0.8	20000	
Tl	205	209	He	-0.004	ug/l	N/A	1000	
[Pb]	206	209	He	0.003	ug/l	312.1		
[Pb]	207	209	He	0.014	ug/l	134.6		
Pb	208	209	He	0.005	ug/l	108.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5939094.56	0.9	87.5	60	125	
Sc (ISICPMS)	45	No Gas	7492998.85	1.7	100.3	60	125	
Sc (ISICPMS)	45	H2	2215806.55	0.4	106.7	60	125	
Sc (ISICPMS)	45	He	89556.71	0.6	96.0	60	125	
Ge (IS)	74	H2	427225.28	0.3	111.4	60	125	
Ge (IS)	74	He	53786.97	1.8	103.8	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122108.44	0.5	95.6	60	125	
Tb (IS)	159	He	594619.31	0.3	95.4	60	125	
Bi (IS)	209	He	399086.44	0.5	92.8	60	125	

Sample Report

File Name 284SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:43:12

Sample Name **460-303862-F-1-D**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	52.8	2000	
B	11	6	No Gas	37.928	ug/l	0.5	2000	
Na	23	45	He	134398.133	ug/l	1.1	500000	
Mg	24	45	He	50333.936	ug/l	1.2	500000	
Al	27	45	He	6.567	ug/l	26.0	500000	
K	39	45	He	2391.160	ug/l	3.1	500000	
Ca	40	45	H2	142118.688	ug/l	0.4	1000000	
Ti	47	45	No Gas	1.194	ug/l	5.6	10000	
V	51	45	He	-0.100	ug/l	N/A	5000	
Cr	52	45	He	-1.193	ug/l	N/A	20000	
Mn	55	45	He	11043.649	ug/l	1.3	20000	
Fe	56	45	H2	0.370	ug/l	21.6	500000	
Co	59	45	He	0.424	ug/l	7.3	2000	
Ni	60	45	He	2.020	ug/l	16.4	20000	
Cu	63	45	He	0.853	ug/l	9.8	20000	
Zn	66	45	He	-0.726	ug/l	N/A	20000	
As	75	74	He	0.219	ug/l	112.3	5000	
Se	78	74	H2	0.210	ug/l	8.8	3000	
Sr	88	115	He	741.931	ug/l	1.1	5000	
Mo	95	115	He	0.689	ug/l	4.8	2000	
Ag	107	115	He	0.003	ug/l	113.7	1000	
Cd	111	115	He	0.191	ug/l	24.7	5000	
Sn	118	115	He	0.060	ug/l	128.5	2000	
Sb	121	115	He	0.010	ug/l	144.1	1000	
Ba	137	159	He	324.903	ug/l	1.2	20000	
Tl	205	209	He	-0.009	ug/l	N/A	1000	
[Pb]	206	209	He	0.003	ug/l	873.9		
[Pb]	207	209	He	0.012	ug/l	18.2		
Pb	208	209	He	0.007	ug/l	117.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5990783.59	0.4	88.3	60	125	
Sc (ISICPMS)	45	No Gas	7589961.14	0.7	101.6	60	125	
Sc (ISICPMS)	45	H2	2288293.20	0.2	110.2	60	125	
Sc (ISICPMS)	45	He	91502.92	0.6	98.1	60	125	
Ge (IS)	74	H2	437564.57	1.0	114.1	60	125	
Ge (IS)	74	He	56226.53	2.6	108.5	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126868.32	0.5	99.3	60	125	
Tb (IS)	159	He	604760.79	0.7	97.1	60	125	
Bi (IS)	209	He	404366.99	0.0	94.1	60	125	

Sample Report

File Name 285SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:45:38

Sample Name **SD 460-303862-F-1-D@5**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	113.0	2000	
B	11	6	No Gas	9.384	ug/l	2.2	2000	
Na	23	45	He	26885.605	ug/l	0.5	500000	
Mg	24	45	He	10012.792	ug/l	0.9	500000	
Al	27	45	He	1.377	ug/l	55.7	500000	
K	39	45	He	488.614	ug/l	3.6	500000	
Ca	40	45	H2	29709.862	ug/l	0.2	1000000	
Ti	47	45	No Gas	-0.104	ug/l	N/A	10000	
V	51	45	He	-0.361	ug/l	N/A	5000	
Cr	52	45	He	-0.398	ug/l	N/A	20000	
Mn	55	45	He	2188.464	ug/l	0.3	20000	
Fe	56	45	H2	2.486	ug/l	5.1	500000	
Co	59	45	He	0.102	ug/l	39.9	2000	
Ni	60	45	He	0.449	ug/l	34.9	20000	
Cu	63	45	He	0.130	ug/l	107.4	20000	
Zn	66	45	He	-1.843	ug/l	N/A	20000	
As	75	74	He	-0.011	ug/l	N/A	5000	
Se	78	74	H2	0.050	ug/l	37.3	3000	
Sr	88	115	He	157.512	ug/l	3.7	5000	
Mo	95	115	He	0.213	ug/l	11.4	2000	
Ag	107	115	He	0.003	ug/l	121.3	1000	
Cd	111	115	He	0.065	ug/l	35.8	5000	
Sn	118	115	He	0.480	ug/l	27.9	2000	
Sb	121	115	He	0.011	ug/l	167.7	1000	
Ba	137	159	He	64.805	ug/l	1.9	20000	
Tl	205	209	He	-0.009	ug/l	N/A	1000	
[Pb]	206	209	He	0.008	ug/l	173.9		
[Pb]	207	209	He	0.010	ug/l	236.4		
Pb	208	209	He	0.015	ug/l	29.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5941686.23	0.7	87.5	60	125	
Sc (ISICPMS)	45	No Gas	7752121.00	0.6	103.7	60	125	
Sc (ISICPMS)	45	H2	2289974.79	0.6	110.3	60	125	
Sc (ISICPMS)	45	He	92503.89	0.3	99.1	60	125	
Ge (IS)	74	H2	435123.70	0.3	113.5	60	125	
Ge (IS)	74	He	55009.94	1.2	106.1	60	125	
Kr	83	He	13.35	173.2	400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125311.09	1.0	98.1	60	125	
Tb (IS)	159	He	603541.00	0.2	96.9	60	125	
Bi (IS)	209	He	413804.27	1.1	96.3	60	125	

Sample Report

File Name 286SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:48:06

Sample Name **460-304043-F-1-B**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	26.0	2000	
B	11	6	No Gas	15.618	ug/l	1.8	2000	
Na	23	45	He	25328.167	ug/l	1.1	500000	
Mg	24	45	He	12715.174	ug/l	0.5	500000	
Al	27	45	He	0.288	ug/l	499.6	500000	
K	39	45	He	1588.635	ug/l	2.2	500000	
Ca	40	45	H2	62262.070	ug/l	1.0	1000000	
Ti	47	45	No Gas	3.342	ug/l	1.5	10000	
V	51	45	He	-0.288	ug/l	N/A	5000	
Cr	52	45	He	-1.395	ug/l	N/A	20000	
Mn	55	45	He	3146.191	ug/l	1.0	20000	
Fe	56	45	H2	4.289	ug/l	8.7	500000	
Co	59	45	He	0.578	ug/l	6.1	2000	
Ni	60	45	He	0.196	ug/l	78.4	20000	
Cu	63	45	He	-0.147	ug/l	N/A	20000	
Zn	66	45	He	-1.301	ug/l	N/A	20000	
As	75	74	He	0.032	ug/l	398.7	5000	
Se	78	74	H2	0.284	ug/l	50.4	3000	
Sr	88	115	He	371.350	ug/l	1.2	5000	
Mo	95	115	He	0.130	ug/l	6.3	2000	
Ag	107	115	He	0.001	ug/l	458.9	1000	
Cd	111	115	He	0.108	ug/l	17.5	5000	
Sn	118	115	He	-0.144	ug/l	N/A	2000	
Sb	121	115	He	0.003	ug/l	274.0	1000	
Ba	137	159	He	29.219	ug/l	2.2	20000	
Tl	205	209	He	0.002	ug/l	267.3	1000	
[Pb]	206	209	He	-0.005	ug/l	N/A		
[Pb]	207	209	He	0.003	ug/l	612.0		
Pb	208	209	He	-0.005	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6082188.93	1.3	89.6	60	125	
Sc (ISICPMS)	45	No Gas	7830689.12	1.1	104.8	60	125	
Sc (ISICPMS)	45	H2	2308879.34	0.5	111.2	60	125	
Sc (ISICPMS)	45	He	92350.89	1.1	99.0	60	125	
Ge (IS)	74	H2	453291.52	0.5	118.2	60	125	
Ge (IS)	74	He	57469.24	0.7	110.9	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127374.97	0.3	99.7	60	125	
Tb (IS)	159	He	611369.95	0.6	98.1	60	125	
Bi (IS)	209	He	418138.00	0.4	97.3	60	125	

Sample Report

File Name 287SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:50:33

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	583.2	2000	
B	11	6	No Gas	1.757	ug/l	1.0	2000	
Na	23	45	He	60.721	ug/l	10.6	500000	
Mg	24	45	He	0.483	ug/l	98.5	500000	
Al	27	45	He	2.744	ug/l	22.0	500000	
K	39	45	He	3.146	ug/l	380.0	500000	
Ca	40	45	H2	13.224	ug/l	8.0	1000000	
Ti	47	45	No Gas	-0.055	ug/l	N/A	10000	
V	51	45	He	-0.365	ug/l	N/A	5000	
Cr	52	45	He	0.006	ug/l	3498.2	20000	
Mn	55	45	He	0.931	ug/l	10.2	20000	
Fe	56	45	H2	1.429	ug/l	14.8	500000	
Co	59	45	He	0.013	ug/l	76.8	2000	
Ni	60	45	He	0.492	ug/l	18.7	20000	
Cu	63	45	He	-0.249	ug/l	N/A	20000	
Zn	66	45	He	-0.137	ug/l	N/A	20000	
As	75	74	He	-0.058	ug/l	N/A	5000	
Se	78	74	H2	0.041	ug/l	123.5	3000	
Sr	88	115	He	0.040	ug/l	175.1	5000	
Mo	95	115	He	0.024	ug/l	143.4	2000	
Ag	107	115	He	0.003	ug/l	166.3	1000	
Cd	111	115	He	0.007	ug/l	169.4	5000	
Sn	118	115	He	0.249	ug/l	27.9	2000	
Sb	121	115	He	-0.028	ug/l	N/A	1000	
Ba	137	159	He	0.344	ug/l	19.2	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.003	ug/l	222.5		
[Pb]	207	209	He	0.034	ug/l	61.7		
Pb	208	209	He	0.021	ug/l	26.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5956179.29	1.1	87.8	60	125	
Sc (ISICPMS)	45	No Gas	7754314.33	1.2	103.8	60	125	
Sc (ISICPMS)	45	H2	2255084.95	0.3	108.6	60	125	
Sc (ISICPMS)	45	He	90102.40	1.1	96.6	60	125	
Ge (IS)	74	H2	421575.13	0.7	110.0	60	125	
Ge (IS)	74	He	53207.84	1.6	102.7	60	125	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124167.22	0.5	97.2	60	125	
Tb (IS)	159	He	594346.43	1.1	95.4	60	125	
Bi (IS)	209	He	413133.87	1.3	96.1	60	125	

Continuing Calibration Verification (CCV)

File Name 288_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:53:00

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.693	ug/l	1.5	100	90	110	
B	11	6	No Gas	250.721	ug/l	1.8	250	225	275	
Na	23	45	He	25319.765	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25044.782	ug/l	1.6	25000	22500	27500	
Al	27	45	He	23838.702	ug/l	1.5	25000	22500	27500	
K	39	45	He	24495.946	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	24502.071	ug/l	1.2	25000	22500	27500	
Ti	47	45	No Gas	96.630	ug/l	1.8	100	90	110	
V	51	45	He	98.312	ug/l	1.5	100	90	110	
Cr	52	45	He	102.029	ug/l	1.5	100	90	110	
Mn	55	45	He	98.579	ug/l	1.1	100	90	110	
Fe	56	45	H2	25803.584	ug/l	0.7	25000	22500	27500	
Co	59	45	He	102.733	ug/l	1.5	100	90	110	
Ni	60	45	He	102.533	ug/l	1.5	100	90	110	
Cu	63	45	He	102.311	ug/l	0.9	100	90	110	
Zn	66	45	He	253.347	ug/l	1.5	250	225	275	
As	75	74	He	95.379	ug/l	4.3	100	90	110	
Se	78	74	H2	101.145	ug/l	2.4	100	90	110	
Sr	88	115	He	94.253	ug/l	2.1	100	90	110	
Mo	95	115	He	100.431	ug/l	0.3	100	90	110	
Ag	107	115	He	51.387	ug/l	0.6	50	45	55	
Cd	111	115	He	100.422	ug/l	2.1	100	90	110	
Sn	118	115	He	99.652	ug/l	0.2	100	90	110	
Sb	121	115	He	99.151	ug/l	1.2	100	90	110	
Ba	137	159	He	96.210	ug/l	2.0	100	90	110	
Tl	205	209	He	98.580	ug/l	0.4	100	90	110	
[Pb]	206	209	He	100.031	ug/l	0.4				
[Pb]	207	209	He	99.397	ug/l	1.3				
Pb	208	209	He	99.485	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5950398.80	0.7	87.7	60	125	
Sc (ISICPMS)	45	No Gas	7394545.65	1.0	99.0	60	125	
Sc (ISICPMS)	45	H2	2159499.79	0.8	104.0	60	125	
Sc (ISICPMS)	45	He	86625.07	1.1	92.8	60	125	
Ge (IS)	74	H2	418865.61	1.0	109.3	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52357.01	1.0	101.0	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	119549.25	0.1	93.6	60	125	
Tb (IS)	159	He	585896.36	0.9	94.0	60	125	
Bi (IS)	209	He	401303.92	0.5	93.3	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 289_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:55:26

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	19.9	0.8	-0.8	0.8	
B	11	6	No Gas	2.806	ug/l	0.5	40	-40	40	
Na	23	45	He	64.570	ug/l	18.7	500	-500	500	
Mg	24	45	He	2.488	ug/l	40.2	200	-200	200	
Al	27	45	He	2.624	ug/l	154.2	40	-40	40	
K	39	45	He	3.803	ug/l	172.0	200	-200	200	
Ca	40	45	H2	5.323	ug/l	9.5	500	-500	500	
Ti	47	45	No Gas	-0.028	ug/l	N/A	4	-4	4	
V	51	45	He	-0.380	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.139	ug/l	105.2	4	-4	4	
Mn	55	45	He	0.478	ug/l	6.4	8	-8	8	
Fe	56	45	H2	2.913	ug/l	7.3	60	-60	60	
Co	59	45	He	0.021	ug/l	45.7	4	-4	4	
Ni	60	45	He	0.440	ug/l	48.3	4	-4	4	
Cu	63	45	He	-0.275	ug/l	N/A	4	-4	4	
Zn	66	45	He	-1.936	ug/l	N/A	16	-16	16	
As	75	74	He	-0.074	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.123	ug/l	32.4	2.5	-2.5	2.5	
Sr	88	115	He	-0.095	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.024	ug/l	64.7	4	-4	4	
Ag	107	115	He	0.004	ug/l	118.8	2	-2	2	
Cd	111	115	He	0.020	ug/l	150.2	2	-2	2	
Sn	118	115	He	0.183	ug/l	40.6	16	-16	16	
Sb	121	115	He	0.018	ug/l	51.4	2	-2	2	
Ba	137	159	He	0.316	ug/l	5.5	4	-4	4	
Tl	205	209	He	0.008	ug/l	88.7	0.8	-0.8	0.8	
[Pb]	206	209	He	0.006	ug/l	424.4				
[Pb]	207	209	He	0.022	ug/l	93.5				
Pb	208	209	He	0.019	ug/l	52.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5969847.55	0.8	88.0	60	125	
Sc (ISICPMS)	45	No Gas	7502249.82	0.5	100.4	60	125	
Sc (ISICPMS)	45	H2	2202277.95	1.2	106.1	60	125	
Sc (ISICPMS)	45	He	87233.15	1.1	93.5	60	125	
Ge (IS)	74	H2	412541.85	1.2	107.6	60	125	
Ge (IS)	74	He	52413.81	1.9	101.1	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	121099.32	0.5	94.8	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	590633.28	0.4	94.8	60	125	
Bi (IS)	209	He	411078.42	0.5	95.6	60	125	

Sample Report

File Name 290SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 04:57:54

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	128.2	2000	
B	11	6	No Gas	1.862	ug/l	9.4	2000	
Na	23	45	He	57.840	ug/l	17.7	500000	
Mg	24	45	He	0.450	ug/l	153.9	500000	
Al	27	45	He	2.186	ug/l	112.5	500000	
K	39	45	He	-1.916	ug/l	N/A	500000	
Ca	40	45	H2	10.599	ug/l	1.5	1000000	
Ti	47	45	No Gas	-0.069	ug/l	N/A	10000	
V	51	45	He	-0.414	ug/l	N/A	5000	
Cr	52	45	He	0.025	ug/l	49.2	20000	
Mn	55	45	He	0.608	ug/l	17.5	20000	
Fe	56	45	H2	1.624	ug/l	2.6	500000	
Co	59	45	He	0.018	ug/l	71.0	2000	
Ni	60	45	He	0.603	ug/l	28.6	20000	
Cu	63	45	He	-0.275	ug/l	N/A	20000	
Zn	66	45	He	-0.503	ug/l	N/A	20000	
As	75	74	He	-0.073	ug/l	N/A	5000	
Se	78	74	H2	0.168	ug/l	60.8	3000	
Sr	88	115	He	-0.024	ug/l	N/A	5000	
Mo	95	115	He	0.020	ug/l	59.5	2000	
Ag	107	115	He	0.007	ug/l	75.3	1000	
Cd	111	115	He	0.000	ug/l	6609.1	5000	
Sn	118	115	He	0.180	ug/l	56.2	2000	
Sb	121	115	He	-0.002	ug/l	N/A	1000	
Ba	137	159	He	0.237	ug/l	7.3	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	0.038	ug/l	17.0		
[Pb]	207	209	He	0.025	ug/l	24.6		
Pb	208	209	He	0.019	ug/l	33.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5959521.85	0.5	87.8	60	125	
Sc (ISICPMS)	45	No Gas	7420972.81	1.6	99.3	60	125	
Sc (ISICPMS)	45	H2	2194756.48	0.4	105.7	60	125	
Sc (ISICPMS)	45	He	87781.16	1.3	94.1	60	125	
Ge (IS)	74	H2	412764.52	0.9	107.7	60	125	
Ge (IS)	74	He	51981.83	2.2	100.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122788.51	1.0	96.1	60	125	
Tb (IS)	159	He	587101.57	0.3	94.2	60	125	
Bi (IS)	209	He	409256.76	0.6	95.2	60	125	

Sample Report

File Name 291SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:00:21

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	65.2	2000	
B	11	6	No Gas	1.250	ug/l	5.9	2000	
Na	23	45	He	58.237	ug/l	15.5	500000	
Mg	24	45	He	0.970	ug/l	70.8	500000	
Al	27	45	He	1.865	ug/l	57.4	500000	
K	39	45	He	5.209	ug/l	125.8	500000	
Ca	40	45	H2	9.057	ug/l	5.0	1000000	
Ti	47	45	No Gas	0.021	ug/l	186.7	10000	
V	51	45	He	-0.368	ug/l	N/A	5000	
Cr	52	45	He	0.023	ug/l	500.1	20000	
Mn	55	45	He	0.483	ug/l	24.5	20000	
Fe	56	45	H2	1.292	ug/l	2.4	500000	
Co	59	45	He	0.020	ug/l	23.6	2000	
Ni	60	45	He	0.442	ug/l	27.0	20000	
Cu	63	45	He	-0.233	ug/l	N/A	20000	
Zn	66	45	He	0.186	ug/l	269.9	20000	
As	75	74	He	0.075	ug/l	73.1	5000	
Se	78	74	H2	0.102	ug/l	102.6	3000	
Sr	88	115	He	-0.027	ug/l	N/A	5000	
Mo	95	115	He	-0.004	ug/l	N/A	2000	
Ag	107	115	He	0.003	ug/l	103.9	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.186	ug/l	28.5	2000	
Sb	121	115	He	-0.022	ug/l	N/A	1000	
Ba	137	159	He	0.308	ug/l	19.6	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.005	ug/l	676.3		
[Pb]	207	209	He	0.011	ug/l	285.2		
Pb	208	209	He	0.009	ug/l	33.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5952118.04	1.1	87.7	60	125	
Sc (ISICPMS)	45	No Gas	7428395.03	0.8	99.4	60	125	
Sc (ISICPMS)	45	H2	2189587.54	0.7	105.4	60	125	
Sc (ISICPMS)	45	He	86671.04	0.2	92.9	60	125	
Ge (IS)	74	H2	407980.89	0.6	106.4	60	125	
Ge (IS)	74	He	51791.18	1.8	99.9	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119463.22	0.9	93.5	60	125	
Tb (IS)	159	He	580951.44	0.3	93.3	60	125	
Bi (IS)	209	He	406221.14	0.9	94.5	60	125	

Sample Report

File Name 292SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:02:49

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	481.7	2000	
B	11	6	No Gas	1.074	ug/l	13.1	2000	
Na	23	45	He	57.496	ug/l	6.2	500000	
Mg	24	45	He	-0.078	ug/l	N/A	500000	
Al	27	45	He	1.369	ug/l	130.2	500000	
K	39	45	He	-1.727	ug/l	N/A	500000	
Ca	40	45	H2	8.331	ug/l	9.7	1000000	
Ti	47	45	No Gas	0.032	ug/l	182.9	10000	
V	51	45	He	-0.362	ug/l	N/A	5000	
Cr	52	45	He	0.103	ug/l	153.3	20000	
Mn	55	45	He	0.547	ug/l	34.2	20000	
Fe	56	45	H2	1.316	ug/l	14.5	500000	
Co	59	45	He	0.034	ug/l	65.2	2000	
Ni	60	45	He	0.464	ug/l	19.5	20000	
Cu	63	45	He	-0.202	ug/l	N/A	20000	
Zn	66	45	He	0.387	ug/l	185.2	20000	
As	75	74	He	-0.088	ug/l	N/A	5000	
Se	78	74	H2	0.044	ug/l	47.9	3000	
Sr	88	115	He	-0.087	ug/l	N/A	5000	
Mo	95	115	He	0.019	ug/l	221.5	2000	
Ag	107	115	He	0.002	ug/l	89.8	1000	
Cd	111	115	He	0.000	ug/l	3140.0	5000	
Sn	118	115	He	0.088	ug/l	75.7	2000	
Sb	121	115	He	-0.012	ug/l	N/A	1000	
Ba	137	159	He	0.319	ug/l	14.2	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.002	ug/l	589.5		
[Pb]	207	209	He	0.019	ug/l	93.6		
Pb	208	209	He	0.006	ug/l	104.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5931119.84	1.3	87.4	60	125	
Sc (ISICPMS)	45	No Gas	7345591.91	0.6	98.3	60	125	
Sc (ISICPMS)	45	H2	2171742.21	1.0	104.6	60	125	
Sc (ISICPMS)	45	He	85852.15	0.4	92.0	60	125	
Ge (IS)	74	H2	408126.23	1.5	106.5	60	125	
Ge (IS)	74	He	50434.59	1.2	97.3	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118769.07	0.9	93.0	60	125	
Tb (IS)	159	He	579092.63	0.6	93.0	60	125	
Bi (IS)	209	He	407291.35	1.1	94.7	60	125	

Sample Report

File Name 293SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:05:15

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	0.869	ug/l	9.3	2000	
Na	23	45	He	58.291	ug/l	1.8	500000	
Mg	24	45	He	0.233	ug/l	184.8	500000	
Al	27	45	He	0.226	ug/l	585.1	500000	
K	39	45	He	4.341	ug/l	308.5	500000	
Ca	40	45	H2	8.843	ug/l	5.9	1000000	
Ti	47	45	No Gas	0.018	ug/l	497.3	10000	
V	51	45	He	-0.376	ug/l	N/A	5000	
Cr	52	45	He	0.112	ug/l	41.5	20000	
Mn	55	45	He	0.458	ug/l	23.7	20000	
Fe	56	45	H2	1.420	ug/l	24.9	500000	
Co	59	45	He	0.017	ug/l	53.4	2000	
Ni	60	45	He	0.443	ug/l	21.5	20000	
Cu	63	45	He	-0.250	ug/l	N/A	20000	
Zn	66	45	He	-0.280	ug/l	N/A	20000	
As	75	74	He	0.097	ug/l	85.7	5000	
Se	78	74	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	-0.082	ug/l	N/A	5000	
Mo	95	115	He	0.008	ug/l	695.1	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	2859.3	5000	
Sn	118	115	He	0.111	ug/l	224.8	2000	
Sb	121	115	He	-0.009	ug/l	N/A	1000	
Ba	137	159	He	0.370	ug/l	24.6	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.012	ug/l	177.8		
[Pb]	207	209	He	0.027	ug/l	12.7		
Pb	208	209	He	0.018	ug/l	55.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5933010.05	0.8	87.4	60	125	
Sc (ISICPMS)	45	No Gas	7364921.97	0.2	98.6	60	125	
Sc (ISICPMS)	45	H2	2163705.89	1.2	104.2	60	125	
Sc (ISICPMS)	45	He	85445.27	0.5	91.6	60	125	
Ge (IS)	74	H2	404386.35	1.4	105.5	60	125	
Ge (IS)	74	He	51164.62	1.7	98.7	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119263.65	1.0	93.4	60	125	
Tb (IS)	159	He	575163.91	0.6	92.3	60	125	
Bi (IS)	209	He	403917.05	0.5	94.0	60	125	

Sample Report

File Name 294SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:07:43

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	54.5	2000	
B	11	6	No Gas	0.900	ug/l	4.6	2000	
Na	23	45	He	56.272	ug/l	15.0	500000	
Mg	24	45	He	-0.147	ug/l	N/A	500000	
Al	27	45	He	0.443	ug/l	49.5	500000	
K	39	45	He	3.973	ug/l	165.3	500000	
Ca	40	45	H2	8.438	ug/l	9.1	1000000	
Ti	47	45	No Gas	-0.045	ug/l	N/A	10000	
V	51	45	He	-0.358	ug/l	N/A	5000	
Cr	52	45	He	0.005	ug/l	3237.3	20000	
Mn	55	45	He	0.461	ug/l	43.3	20000	
Fe	56	45	H2	1.580	ug/l	6.7	500000	
Co	59	45	He	0.011	ug/l	139.1	2000	
Ni	60	45	He	0.576	ug/l	32.5	20000	
Cu	63	45	He	-0.257	ug/l	N/A	20000	
Zn	66	45	He	0.212	ug/l	186.2	20000	
As	75	74	He	-0.052	ug/l	N/A	5000	
Se	78	74	H2	0.080	ug/l	90.5	3000	
Sr	88	115	He	-0.014	ug/l	N/A	5000	
Mo	95	115	He	0.051	ug/l	98.1	2000	
Ag	107	115	He	0.001	ug/l	344.6	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.069	ug/l	13.5	2000	
Sb	121	115	He	0.009	ug/l	511.8	1000	
Ba	137	159	He	0.319	ug/l	5.3	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.002	ug/l	499.1		
[Pb]	207	209	He	0.026	ug/l	78.7		
Pb	208	209	He	0.013	ug/l	42.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5930079.77	1.5	87.4	60	125	
Sc (ISICPMS)	45	No Gas	7378232.95	0.8	98.7	60	125	
Sc (ISICPMS)	45	H2	2137202.26	0.7	102.9	60	125	
Sc (ISICPMS)	45	He	85618.58	1.2	91.8	60	125	
Ge (IS)	74	H2	401432.17	0.9	104.7	60	125	
Ge (IS)	74	He	51271.37	1.5	98.9	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120168.59	0.7	94.1	60	125	
Tb (IS)	159	He	577396.37	0.6	92.7	60	125	
Bi (IS)	209	He	407083.96	0.5	94.7	60	125	

Sample Report

File Name 295SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:10:09

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	107.7	2000	
B	11	6	No Gas	0.789	ug/l	7.2	2000	
Na	23	45	He	58.646	ug/l	12.3	500000	
Mg	24	45	He	0.183	ug/l	57.1	500000	
Al	27	45	He	1.257	ug/l	103.8	500000	
K	39	45	He	-5.706	ug/l	N/A	500000	
Ca	40	45	H2	10.116	ug/l	6.6	1000000	
Ti	47	45	No Gas	0.186	ug/l	41.3	10000	
V	51	45	He	-0.420	ug/l	N/A	5000	
Cr	52	45	He	0.050	ug/l	473.8	20000	
Mn	55	45	He	0.386	ug/l	14.9	20000	
Fe	56	45	H2	1.838	ug/l	20.1	500000	
Co	59	45	He	0.023	ug/l	80.6	2000	
Ni	60	45	He	0.386	ug/l	25.7	20000	
Cu	63	45	He	-0.244	ug/l	N/A	20000	
Zn	66	45	He	0.090	ug/l	284.1	20000	
As	75	74	He	0.021	ug/l	435.9	5000	
Se	78	74	H2	0.067	ug/l	185.5	3000	
Sr	88	115	He	-0.076	ug/l	N/A	5000	
Mo	95	115	He	0.023	ug/l	204.6	2000	
Ag	107	115	He	0.004	ug/l	124.3	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.109	ug/l	147.8	2000	
Sb	121	115	He	-0.009	ug/l	N/A	1000	
Ba	137	159	He	0.249	ug/l	12.3	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.017	ug/l	44.7		
[Pb]	207	209	He	0.010	ug/l	222.0		
Pb	208	209	He	0.010	ug/l	38.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6016233.31	0.8	88.6	60	125	
Sc (ISICPMS)	45	No Gas	7326565.86	1.3	98.1	60	125	
Sc (ISICPMS)	45	H2	2176281.63	0.4	104.8	60	125	
Sc (ISICPMS)	45	He	85788.28	1.2	91.9	60	125	
Ge (IS)	74	H2	405405.48	0.7	105.8	60	125	
Ge (IS)	74	He	51117.51	2.2	98.6	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118490.31	1.1	92.8	60	125	
Tb (IS)	159	He	577126.79	0.4	92.6	60	125	
Bi (IS)	209	He	404749.18	1.0	94.1	60	125	

Sample Report

File Name 296SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:12:37

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	0.667	ug/l	2.1	2000	
Na	23	45	He	57.826	ug/l	7.6	500000	
Mg	24	45	He	-0.105	ug/l	N/A	500000	
Al	27	45	He	0.605	ug/l	271.4	500000	
K	39	45	He	3.156	ug/l	310.0	500000	
Ca	40	45	H2	7.682	ug/l	11.3	1000000	
Ti	47	45	No Gas	-0.059	ug/l	N/A	10000	
V	51	45	He	-0.312	ug/l	N/A	5000	
Cr	52	45	He	0.120	ug/l	94.3	20000	
Mn	55	45	He	0.393	ug/l	31.2	20000	
Fe	56	45	H2	1.125	ug/l	7.6	500000	
Co	59	45	He	0.013	ug/l	32.3	2000	
Ni	60	45	He	0.592	ug/l	5.0	20000	
Cu	63	45	He	-0.234	ug/l	N/A	20000	
Zn	66	45	He	-0.630	ug/l	N/A	20000	
As	75	74	He	-0.087	ug/l	N/A	5000	
Se	78	74	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	-0.096	ug/l	N/A	5000	
Mo	95	115	He	0.019	ug/l	214.9	2000	
Ag	107	115	He	0.000	ug/l	682.3	1000	
Cd	111	115	He	-0.006	ug/l	0.0	5000	
Sn	118	115	He	0.114	ug/l	107.5	2000	
Sb	121	115	He	-0.024	ug/l	N/A	1000	
Ba	137	159	He	0.249	ug/l	12.3	20000	
Tl	205	209	He	-0.021	ug/l	N/A	1000	
[Pb]	206	209	He	0.004	ug/l	456.2		
[Pb]	207	209	He	0.029	ug/l	34.5		
Pb	208	209	He	0.022	ug/l	12.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5915394.08	1.4	87.2	60	125	
Sc (ISICPMS)	45	No Gas	7328077.67	1.2	98.1	60	125	
Sc (ISICPMS)	45	H2	2147349.62	0.7	103.4	60	125	
Sc (ISICPMS)	45	He	85293.37	1.5	91.4	60	125	
Ge (IS)	74	H2	403672.50	0.5	105.3	60	125	
Ge (IS)	74	He	50357.48	1.5	97.2	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118125.09	0.8	92.5	60	125	
Tb (IS)	159	He	576412.79	0.9	92.5	60	125	
Bi (IS)	209	He	401112.61	0.5	93.3	60	125	

Sample Report

File Name 297SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:15:04

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	71.0	2000	
B	11	6	No Gas	0.593	ug/l	38.6	2000	
Na	23	45	He	56.461	ug/l	4.8	500000	
Mg	24	45	He	0.421	ug/l	166.2	500000	
Al	27	45	He	1.333	ug/l	128.9	500000	
K	39	45	He	4.257	ug/l	39.7	500000	
Ca	40	45	H2	7.832	ug/l	9.7	1000000	
Ti	47	45	No Gas	0.028	ug/l	241.5	10000	
V	51	45	He	-0.370	ug/l	N/A	5000	
Cr	52	45	He	0.135	ug/l	119.1	20000	
Mn	55	45	He	0.425	ug/l	7.5	20000	
Fe	56	45	H2	1.447	ug/l	13.2	500000	
Co	59	45	He	0.025	ug/l	59.7	2000	
Ni	60	45	He	0.663	ug/l	22.5	20000	
Cu	63	45	He	-0.249	ug/l	N/A	20000	
Zn	66	45	He	-0.163	ug/l	N/A	20000	
As	75	74	He	-0.030	ug/l	N/A	5000	
Se	78	74	H2	0.080	ug/l	26.2	3000	
Sr	88	115	He	-0.111	ug/l	N/A	5000	
Mo	95	115	He	0.007	ug/l	172.4	2000	
Ag	107	115	He	0.004	ug/l	60.7	1000	
Cd	111	115	He	0.007	ug/l	161.4	5000	
Sn	118	115	He	0.210	ug/l	49.6	2000	
Sb	121	115	He	0.009	ug/l	348.3	1000	
Ba	137	159	He	0.270	ug/l	32.9	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.023	ug/l	110.5		
[Pb]	207	209	He	0.012	ug/l	112.0		
Pb	208	209	He	0.013	ug/l	86.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6009648.31	1.2	88.5	60	125	
Sc (ISICPMS)	45	No Gas	7326268.78	1.0	98.0	60	125	
Sc (ISICPMS)	45	H2	2126695.18	0.7	102.4	60	125	
Sc (ISICPMS)	45	He	83935.96	0.5	90.0	60	125	
Ge (IS)	74	H2	402588.32	0.6	105.0	60	125	
Ge (IS)	74	He	50380.73	1.3	97.2	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117583.48	1.6	92.0	60	125	
Tb (IS)	159	He	573270.54	1.2	92.0	60	125	
Bi (IS)	209	He	399757.16	0.3	93.0	60	125	

Sample Report

File Name 298SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:17:32

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	266.2	2000	
B	11	6	No Gas	0.543	ug/l	21.6	2000	
Na	23	45	He	58.060	ug/l	5.4	500000	
Mg	24	45	He	0.163	ug/l	517.1	500000	
Al	27	45	He	0.130	ug/l	776.2	500000	
K	39	45	He	5.523	ug/l	97.8	500000	
Ca	40	45	H2	6.684	ug/l	7.4	1000000	
Ti	47	45	No Gas	-0.064	ug/l	N/A	10000	
V	51	45	He	-0.326	ug/l	N/A	5000	
Cr	52	45	He	0.262	ug/l	120.9	20000	
Mn	55	45	He	0.289	ug/l	24.1	20000	
Fe	56	45	H2	1.155	ug/l	14.3	500000	
Co	59	45	He	0.014	ug/l	85.6	2000	
Ni	60	45	He	0.710	ug/l	31.6	20000	
Cu	63	45	He	-0.219	ug/l	N/A	20000	
Zn	66	45	He	-0.326	ug/l	N/A	20000	
As	75	74	He	-0.004	ug/l	N/A	5000	
Se	78	74	H2	0.045	ug/l	194.0	3000	
Sr	88	115	He	-0.031	ug/l	N/A	5000	
Mo	95	115	He	-0.017	ug/l	N/A	2000	
Ag	107	115	He	0.002	ug/l	147.2	1000	
Cd	111	115	He	0.008	ug/l	159.7	5000	
Sn	118	115	He	0.054	ug/l	252.3	2000	
Sb	121	115	He	0.016	ug/l	92.8	1000	
Ba	137	159	He	0.322	ug/l	27.6	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.014	ug/l	69.5		
[Pb]	207	209	He	0.025	ug/l	55.7		
Pb	208	209	He	0.016	ug/l	64.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5879394.91	0.9	86.6	60	125	
Sc (ISICPMS)	45	No Gas	7330036.28	1.4	98.1	60	125	
Sc (ISICPMS)	45	H2	2139774.69	0.7	103.0	60	125	
Sc (ISICPMS)	45	He	83743.97	1.4	89.8	60	125	
Ge (IS)	74	H2	402345.70	1.5	105.0	60	125	
Ge (IS)	74	He	48897.67	2.4	94.4	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115851.54	0.5	90.7	60	125	
Tb (IS)	159	He	568752.77	0.9	91.3	60	125	
Bi (IS)	209	He	398811.24	0.5	92.8	60	125	

Sample Report

File Name 299SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:19:58

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	0.483	ug/l	24.7	2000	
Na	23	45	He	55.812	ug/l	11.2	500000	
Mg	24	45	He	0.565	ug/l	57.8	500000	
Al	27	45	He	1.049	ug/l	228.4	500000	
K	39	45	He	3.443	ug/l	324.9	500000	
Ca	40	45	H2	6.903	ug/l	4.1	1000000	
Ti	47	45	No Gas	-0.005	ug/l	N/A	10000	
V	51	45	He	-0.362	ug/l	N/A	5000	
Cr	52	45	He	0.098	ug/l	102.1	20000	
Mn	55	45	He	0.223	ug/l	20.1	20000	
Fe	56	45	H2	1.275	ug/l	5.2	500000	
Co	59	45	He	0.011	ug/l	62.1	2000	
Ni	60	45	He	0.537	ug/l	26.0	20000	
Cu	63	45	He	-0.244	ug/l	N/A	20000	
Zn	66	45	He	-0.286	ug/l	N/A	20000	
As	75	74	He	-0.011	ug/l	N/A	5000	
Se	78	74	H2	0.056	ug/l	35.5	3000	
Sr	88	115	He	-0.033	ug/l	N/A	5000	
Mo	95	115	He	-0.013	ug/l	N/A	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.008	ug/l	159.9	5000	
Sn	118	115	He	0.231	ug/l	53.1	2000	
Sb	121	115	He	-0.018	ug/l	N/A	1000	
Ba	137	159	He	0.311	ug/l	19.6	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	0.015	ug/l	126.1		
[Pb]	207	209	He	0.014	ug/l	88.3		
Pb	208	209	He	0.017	ug/l	45.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5959118.31	0.8	87.8	60	125	
Sc (ISICPMS)	45	No Gas	7343439.89	0.6	98.3	60	125	
Sc (ISICPMS)	45	H2	2144115.35	0.4	103.2	60	125	
Sc (ISICPMS)	45	He	84387.96	1.1	90.4	60	125	
Ge (IS)	74	H2	403522.19	0.1	105.3	60	125	
Ge (IS)	74	He	50250.54	0.3	97.0	60	125	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117594.30	2.1	92.1	60	125	
Tb (IS)	159	He	571228.78	0.8	91.7	60	125	
Bi (IS)	209	He	399394.89	0.8	92.9	60	125	

Sample Report

File Name 300SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM051724.b

Acq Time 2024-05-18 05:22:26

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	49.1	2000	
B	11	6	No Gas	0.488	ug/l	11.0	2000	
Na	23	45	He	52.340	ug/l	6.9	500000	
Mg	24	45	He	-0.876	ug/l	N/A	500000	
Al	27	45	He	0.578	ug/l	303.9	500000	
K	39	45	He	1.265	ug/l	272.0	500000	
Ca	40	45	H2	7.098	ug/l	12.1	1000000	
Ti	47	45	No Gas	0.019	ug/l	695.4	10000	
V	51	45	He	-0.339	ug/l	N/A	5000	
Cr	52	45	He	-0.064	ug/l	N/A	20000	
Mn	55	45	He	0.455	ug/l	7.1	20000	
Fe	56	45	H2	1.349	ug/l	11.6	500000	
Co	59	45	He	0.022	ug/l	103.3	2000	
Ni	60	45	He	0.424	ug/l	37.7	20000	
Cu	63	45	He	-0.247	ug/l	N/A	20000	
Zn	66	45	He	0.498	ug/l	137.5	20000	
As	75	74	He	-0.068	ug/l	N/A	5000	
Se	78	74	H2	0.046	ug/l	161.2	3000	
Sr	88	115	He	-0.012	ug/l	N/A	5000	
Mo	95	115	He	-0.002	ug/l	N/A	2000	
Ag	107	115	He	0.000	ug/l	591.6	1000	
Cd	111	115	He	0.007	ug/l	161.0	5000	
Sn	118	115	He	-0.051	ug/l	N/A	2000	
Sb	121	115	He	-0.001	ug/l	N/A	1000	
Ba	137	159	He	0.280	ug/l	18.8	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	0.007	ug/l	98.1		
[Pb]	207	209	He	0.002	ug/l	1062.3		
Pb	208	209	He	0.005	ug/l	142.2	20000	

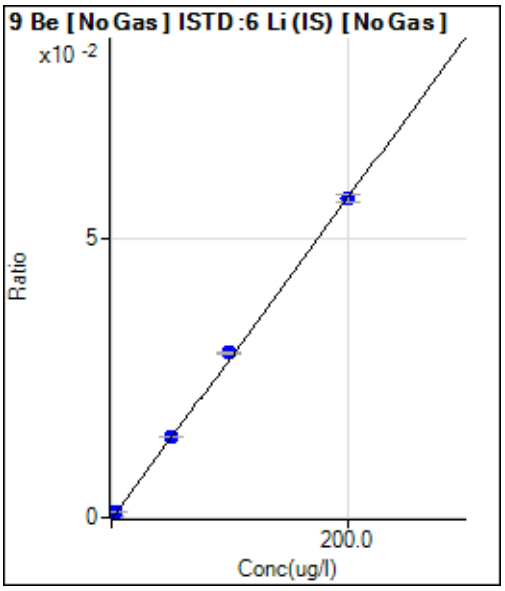
ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5917746.72	0.9	87.2	60	125	
Sc (ISICPMS)	45	No Gas	7325800.31	0.6	98.0	60	125	
Sc (ISICPMS)	45	H2	2122817.59	1.0	102.2	60	125	
Sc (ISICPMS)	45	He	84270.32	0.6	90.3	60	125	
Ge (IS)	74	H2	401491.83	0.9	104.7	60	125	
Ge (IS)	74	He	49905.40	0.4	96.3	60	125	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	116651.95	0.7	91.3	60	125	
Tb (IS)	159	He	569640.05	0.4	91.4	60	125	
Bi (IS)	209	He	397404.21	0.8	92.4	60	125	

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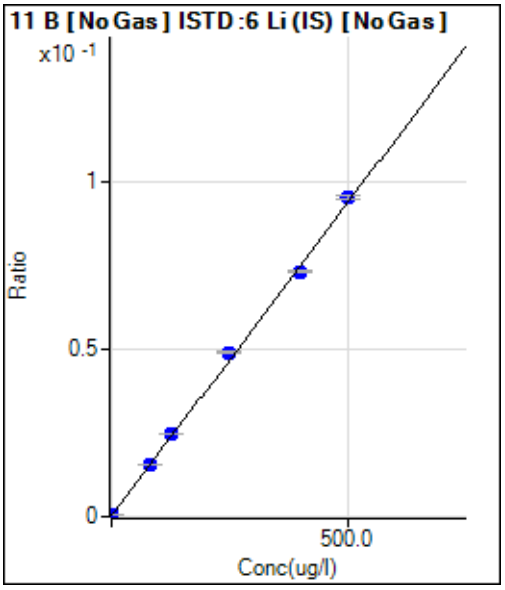
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3	006CALS.d	IC CAL2	2024-05-17 10:35:17
4	007CALS.d	IC CAL3	2024-05-17 10:37:57
5	008CALS.d	IC CAL4	2024-05-17 10:40:35
6	009CALS.d	IC CAL5	2024-05-17 10:43:15



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5.56	0.0000	P	91.4	
2	☐	0.800	0.775	1525.65	0.0002	P	6.0	-3.2
3	☐	4.000	3.864	7643.23	0.0011	P	0.6	-3.4
4	☐	50.000	50.239	98606.30	0.0145	P	1.7	0.5
5	☐	100.000	102.577	201096.83	0.0296	P	0.7	2.6
6	☐	200.000	198.655	386806.38	0.0573	P	1.9	-0.7

y = 2.8838E-004 * x + 8.2186E-007
R = 0.9999
DL = 0.007817 ug/l
BEC = 0.00285 ug/l

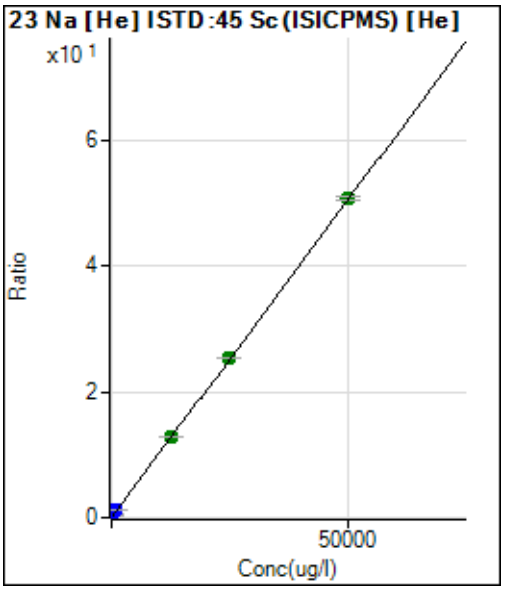
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5165.43	0.0008	P	4.1	
2	☐	80.000	77.696	104066.16	0.0153	P	0.3	-2.9
3	☐	400.000	386.815	501063.60	0.0731	P	0.8	-3.3
4	☐	125.000	127.476	167451.05	0.0246	P	0.3	2.0
5	☐	250.000	258.161	333414.10	0.0490	P	1.1	3.3
6	☐	500.000	506.217	644465.41	0.0954	P	0.9	1.2

y = 1.8703E-004 * x + 7.6126E-004
R = 0.9992
DL = 0.5049 ug/l
BEC = 4.07 ug/l

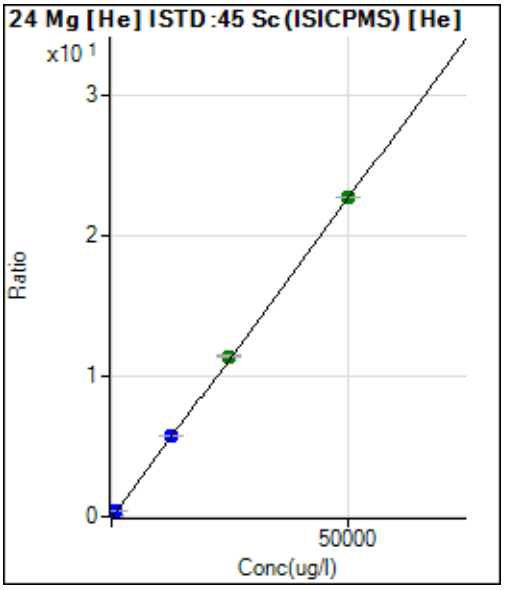
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1	☐	0.000	0.000	27601.68	0.2958	P	0.9	
2	☐	200.000	206.376	46794.62	0.5042	P	0.6	3.2
3	☐	1000.000	1022.290	122265.40	1.3281	P	0.7	2.2
4	☐	12500.000	12452.766	1202145.87	12.8702	A	0.4	-0.4
5	☐	25000.000	24954.695	2406473.30	25.4943	A	0.3	-0.2
6	☐	50000.000	50033.990	4751231.67	50.8185	A	1.3	0.1

y = 0.0010 * x + 0.2958
R = 1.0000
DL = 7.86 ug/l
BEC = 293 ug/l

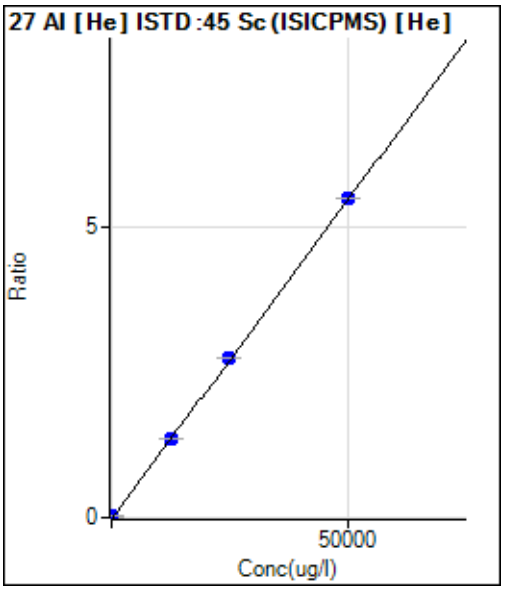
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	226.67	0.0024	P	2.9	
2	☐	200.000	197.004	8560.46	0.0922	P	1.3	-1.5
3	☐	1000.000	1002.587	42306.25	0.4595	P	1.3	0.3
4	☐	12500.000	12545.900	534503.52	5.7224	P	0.6	0.4
5	☐	25000.000	25047.301	1078127.15	11.4220	A	0.7	0.2
6	☐	50000.000	49964.835	2130095.61	22.7824	A	0.6	-0.1

y = 4.5592E-004 * x + 0.0024
R = 1.0000
DL = 0.4695 ug/l
BEC = 5.329 ug/l

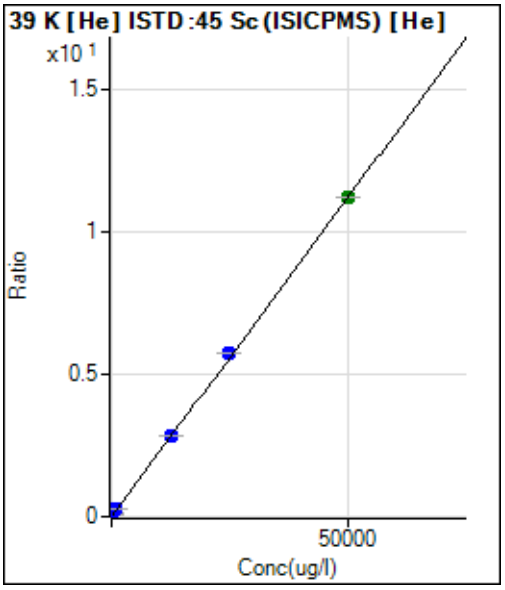
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	77.78	0.0008	P	11.2	
2	☐	40.000	43.904	524.46	0.0057	P	7.5	9.8
3	☐	200.000	201.491	2112.39	0.0229	P	4.3	0.7
4	☐	12500.000	12342.919	126566.43	1.3550	P	1.0	-1.3
5	☐	25000.000	25023.733	259238.42	2.7463	P	0.5	0.1
6	☐	50000.000	50027.394	513262.88	5.4896	P	0.1	0.1

y = 1.0971E-004 * x + 8.3390E-004
R = 1.0000
DL = 2.55 ug/l
BEC = 7.601 ug/l

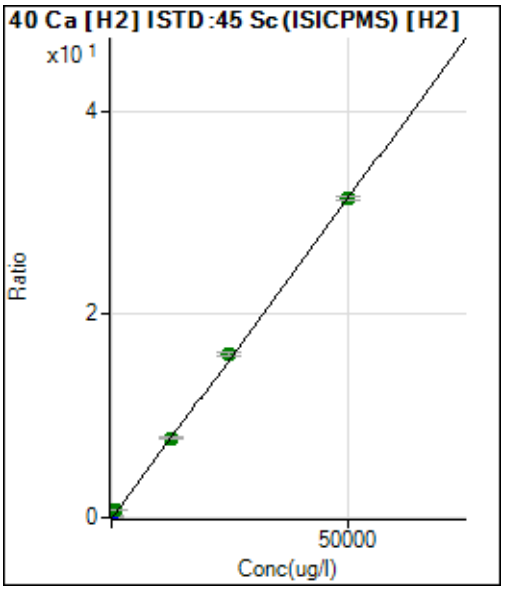
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5150.98	0.0552	P	1.7	
2	☐	200.000	205.660	9406.58	0.1014	P	3.4	2.8
3	☐	1000.000	995.861	25667.08	0.2788	P	0.6	-0.4
4	☐	12500.000	12503.378	267377.09	2.8626	P	0.8	0.0
5	☐	25000.000	25394.732	543414.07	5.7571	P	0.6	1.6
6	☐	50000.000	49801.850	1050647.02	11.2372	A	0.4	-0.4

y = 2.2453E-004 * x + 0.0552
R = 1.0000
DL = 12.25 ug/l
BEC = 245.9 ug/l

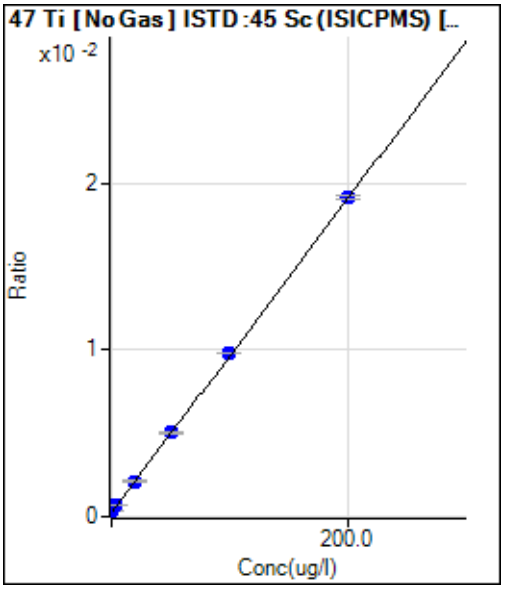
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83369.75	0.0401	P	0.5	
2	☐	200.000	197.366	343979.28	0.1647	P	1.0	-1.3
3	☐	1000.000	1003.519	1402613.66	0.6732	A	0.3	0.4
4	☐	12500.000	12373.465	16588265.31	7.8458	A	1.7	-1.0
5	☐	25000.000	25510.343	34083212.27	16.1331	A	1.8	2.0
6	☐	50000.000	49776.402	66491553.46	31.4411	A	1.1	-0.4

y = 6.3084E-004 * x + 0.0401
R = 0.9999
DL = 0.9967 ug/l
BEC = 63.64 ug/l

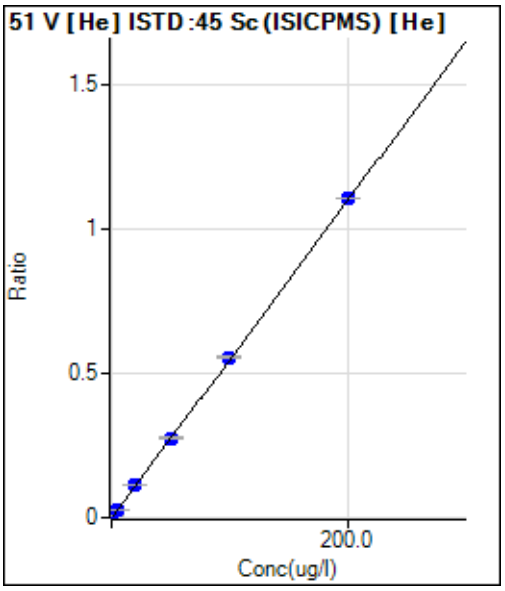
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2590.17	0.0003	P	2.1	
2	☐	4.000	3.721	5256.53	0.0007	P	2.2	-7.0
3	☐	20.000	18.974	16205.13	0.0021	P	2.5	-5.1
4	☐	50.000	49.770	37916.78	0.0050	P	1.0	-0.5
5	☐	100.000	100.814	75521.98	0.0098	P	0.4	0.8
6	☐	200.000	199.759	144140.40	0.0192	P	1.3	-0.1

y = 9.4206E-005 * x + 3.4668E-004
R = 1.0000
DL = 0.2325 ug/l
BEC = 3.68 ug/l

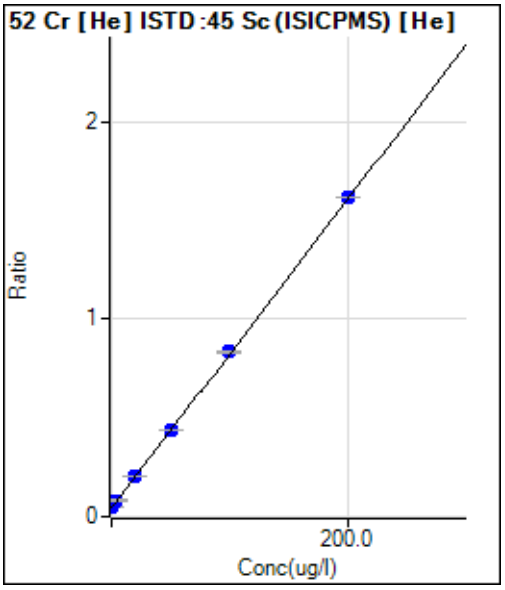
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	490.01	0.0053	P	9.5	
2	☐	4.000	3.671	2359.11	0.0254	P	5.9	-8.2
3	☐	20.000	19.483	10338.39	0.1123	P	3.7	-2.6
4	☐	50.000	49.289	25791.00	0.2761	P	1.5	-1.4
5	☐	100.000	100.051	52397.55	0.5551	P	0.4	0.1
6	☐	200.000	200.211	103362.46	1.1055	P	0.2	0.1

y = 0.0055 * x + 0.0053
R = 1.0000
DL = 0.2733 ug/l
BEC = 0.9558 ug/l

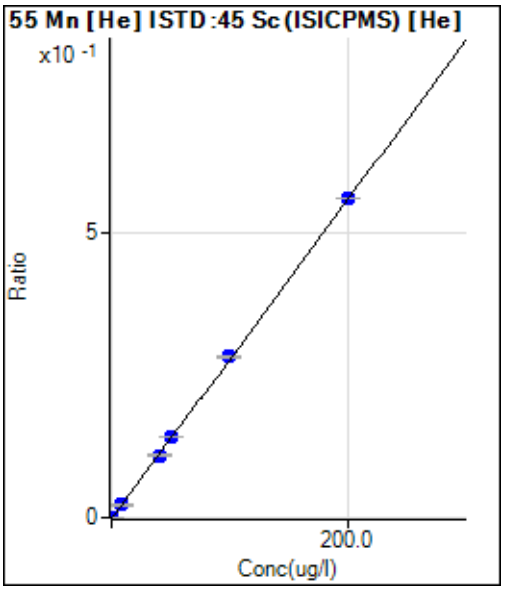
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4944.25	0.0530	P	1.1	
2	☐	4.000	3.724	7616.62	0.0821	P	3.2	-6.9
3	☐	20.000	19.728	19069.97	0.2071	P	0.4	-1.4
4	☐	50.000	49.476	41059.07	0.4396	P	1.0	-1.0
5	☐	100.000	100.031	78782.69	0.8346	P	0.6	0.0
6	☐	200.000	200.148	151179.19	1.6169	P	0.3	0.1

y = 0.0078 * x + 0.0530
R = 1.0000
DL = 0.2299 ug/l
BEC = 6.782 ug/l

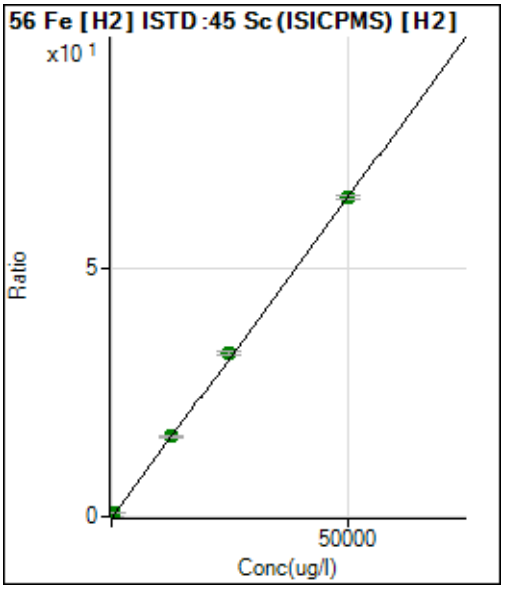
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	88.89	0.0010	P	21.0	
2	☐	8.000	7.670	2083.50	0.0224	P	6.6	-4.1
3	☐	40.000	38.663	10063.76	0.1093	P	1.6	-3.3
4	☐	50.000	50.314	13258.71	0.1420	P	1.3	0.6
5	☐	100.000	100.720	26733.93	0.2832	P	1.6	0.7
6	☐	200.000	199.842	52452.39	0.5610	P	0.5	-0.1

y = 0.0028 * x + 9.5324E-004
R = 1.0000
DL = 0.2145 ug/l
BEC = 0.3401 ug/l

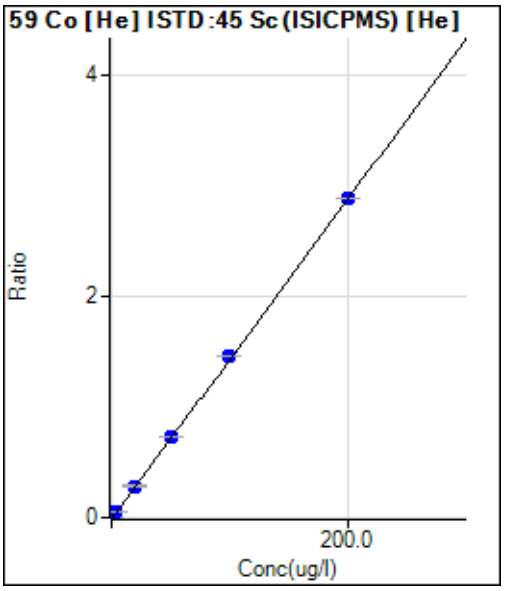
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36862.93	0.0178	P	1.3	
2	☐	120.000	120.073	361631.89	0.1731	P	1.1	0.1
3	☐	600.000	606.413	1671559.66	0.8023	A	1.4	1.1
4	☐	12500.000	12503.723	34242293.93	16.1952	A	1.5	0.0
5	☐	25000.000	25473.214	69665972.29	32.9753	A	1.7	1.9
6	☐	50000.000	49762.385	136196453.53	64.4009	A	1.0	-0.5

y = 0.0013 * x + 0.0178
R = 0.9999
DL = 0.5461 ug/l
BEC = 13.72 ug/l

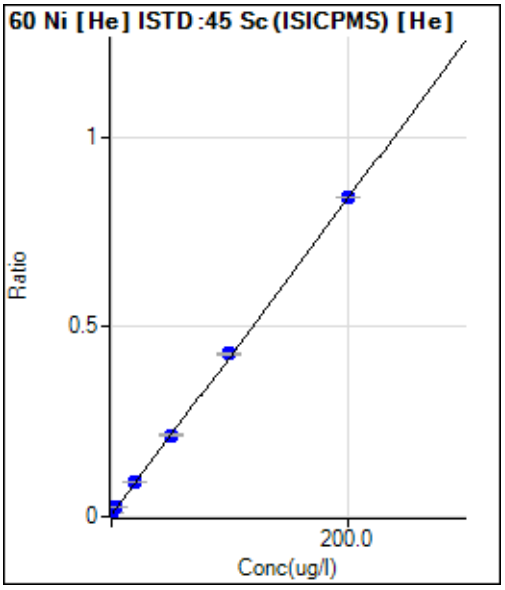
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55.55	0.0006	P	6.8	
2	☐	4.000	4.023	5461.13	0.0588	P	1.1	0.6
3	☐	20.000	19.796	26445.74	0.2873	P	0.2	-1.0
4	☐	50.000	50.032	67728.38	0.7251	P	0.5	0.1
5	☐	100.000	100.945	138029.86	1.4624	P	1.0	0.9
6	☐	200.000	199.539	270219.66	2.8901	P	0.4	-0.2

y = 0.0145 * x + 5.9541E-004
R = 1.0000
DL = 0.008421 ug/l
BEC = 0.04112 ug/l

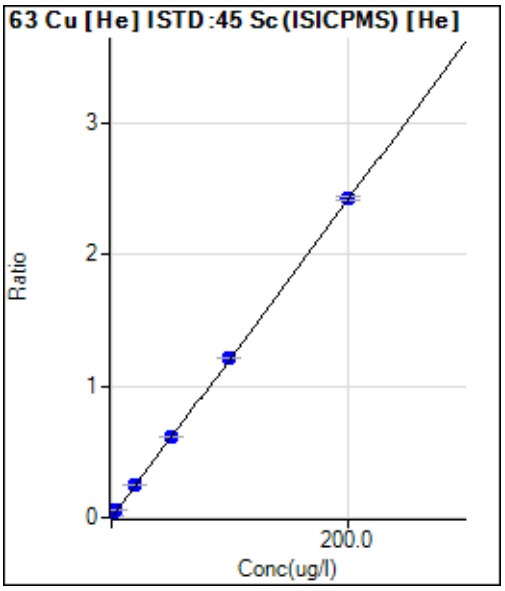
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	867.81	0.0093	P	8.6	
2	☐	4.000	3.928	2382.45	0.0257	P	6.6	-1.8
3	☐	20.000	19.984	8517.15	0.0925	P	0.4	-0.1
4	☐	50.000	49.368	20071.47	0.2149	P	1.6	-1.3
5	☐	100.000	100.832	40509.96	0.4292	P	1.3	0.8
6	☐	200.000	199.745	78637.90	0.8411	P	0.5	-0.1

y = 0.0042 * x + 0.0093
R = 1.0000
DL = 0.5764 ug/l
BEC = 2.233 ug/l

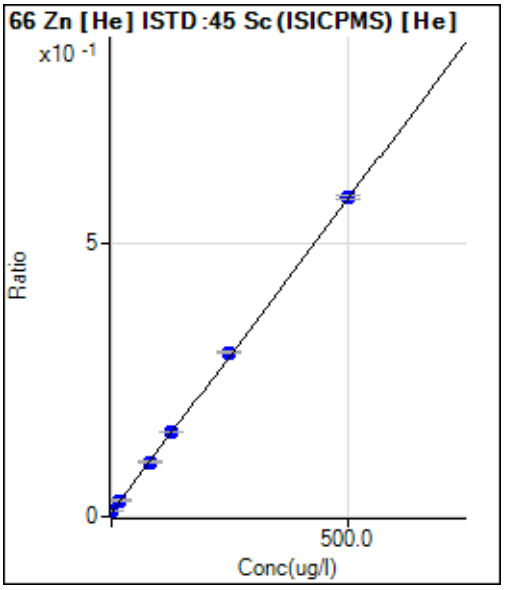
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1090.05	0.0117	P	3.8	
2	☐	4.000	3.827	5377.76	0.0580	P	2.6	-4.3
3	☐	20.000	19.875	23194.23	0.2519	P	0.5	-0.6
4	☐	50.000	50.112	57673.78	0.6175	P	0.7	0.2
5	☐	100.000	99.752	114931.86	1.2176	P	0.2	-0.2
6	☐	200.000	200.112	227275.53	2.4308	P	0.8	0.1

y = 0.0121 * x + 0.0117
R = 1.0000
DL = 0.1112 ug/l
BEC = 0.9666 ug/l

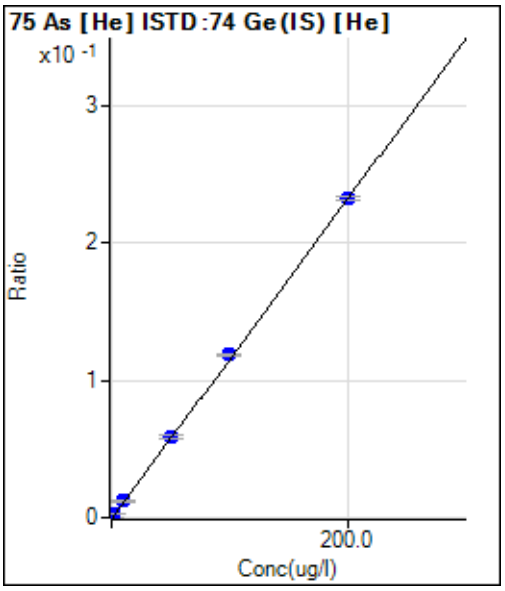
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1074.50	0.0115	P	3.8	
2	☐	16.000	15.903	2760.30	0.0297	P	2.2	-0.6
3	☐	80.000	76.523	9136.46	0.0992	P	3.3	-4.3
4	☐	125.000	124.044	14357.64	0.1537	P	0.3	-0.8
5	☐	250.000	251.419	28290.55	0.2997	P	1.3	0.6
6	☐	500.000	500.089	54674.95	0.5848	P	0.8	0.0

y = 0.0011 * x + 0.0115
R = 1.0000
DL = 1.154 ug/l
BEC = 10.05 ug/l

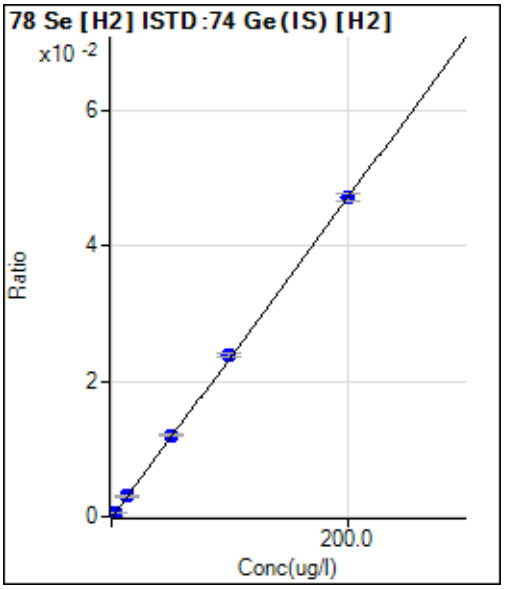
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0002	P	40.1	
2	☐	2.000	1.888	125.56	0.0024	P	21.7	-5.6
3	☐	10.000	10.077	605.57	0.0120	P	3.0	0.8
4	☐	50.000	50.114	3134.83	0.0586	P	3.8	0.2
5	☐	100.000	101.388	6419.34	0.1184	P	1.2	1.4
6	☐	200.000	199.275	12690.42	0.2325	P	1.7	-0.4

y = 0.0012 * x + 2.3439E-004
R = 1.0000
DL = 0.2416 ug/l
BEC = 0.2011 ug/l

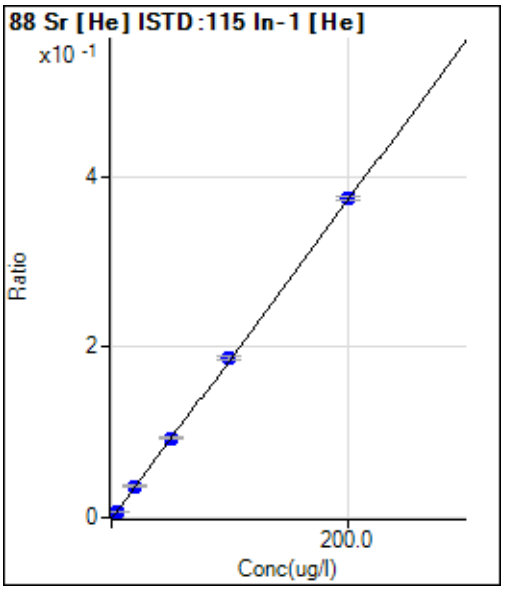
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	99.7	
2	☐	2.500	2.593	237.78	0.0006	P	13.8	3.7
3	☐	12.500	12.902	1176.73	0.0031	P	6.6	3.2
4	☐	50.000	50.631	4743.08	0.0120	P	3.1	1.3
5	☐	100.000	101.120	9644.62	0.0240	P	2.0	1.1
6	☐	200.000	199.256	19271.60	0.0472	P	2.4	-0.4

y = 2.3702E-004 * x + 8.6487E-006
R = 1.0000
DL = 0.1092 ug/l
BEC = 0.03649 ug/l

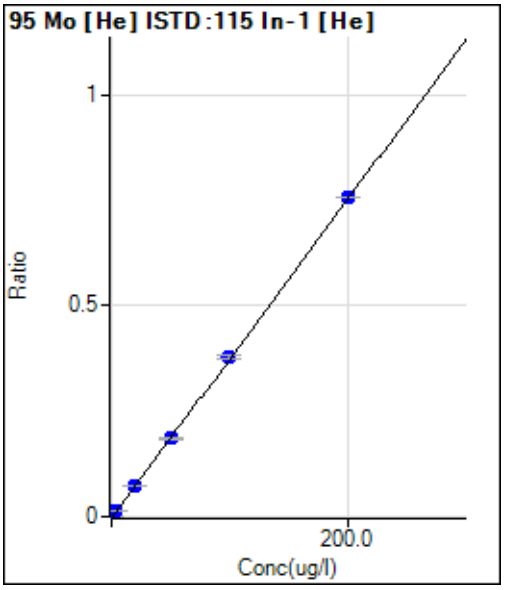
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	60.00	0.0005	P	34.5	
2	☐	4.000	3.813	961.15	0.0076	P	2.5	-4.7
3	☐	20.000	19.577	4665.29	0.0370	P	3.8	-2.1
4	☐	50.000	49.701	11856.41	0.0932	P	0.8	-0.6
5	☐	100.000	99.776	23677.65	0.1867	P	2.2	-0.2
6	☐	200.000	200.233	47334.47	0.3742	P	0.8	0.1

y = 0.0019 * x + 4.7037E-004
R = 1.0000
DL = 0.2611 ug/l
BEC = 0.252 ug/l

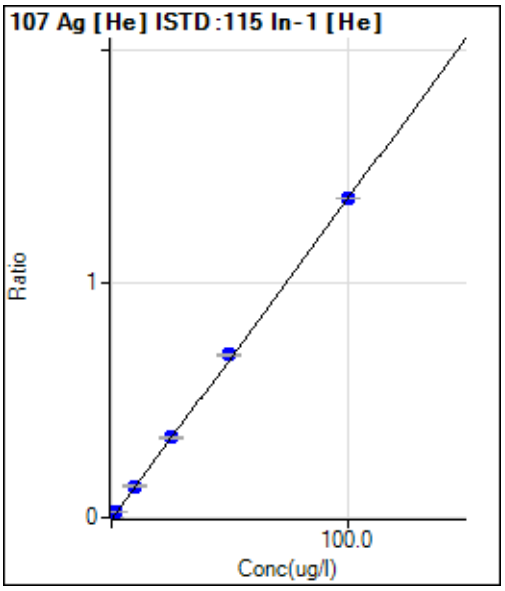
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38.89	0.0003	P	17.3	
2	☐	4.000	3.791	1852.36	0.0146	P	0.8	-5.2
3	☐	20.000	19.099	9130.95	0.0724	P	1.1	-4.5
4	☐	50.000	49.221	23673.25	0.1862	P	2.6	-1.6
5	☐	100.000	100.189	48027.47	0.3786	P	2.1	0.2
6	☐	200.000	200.195	95674.78	0.7563	P	0.6	0.1

y = 0.0038 * x + 3.0424E-004
R = 1.0000
DL = 0.04171 ug/l
BEC = 0.08057 ug/l

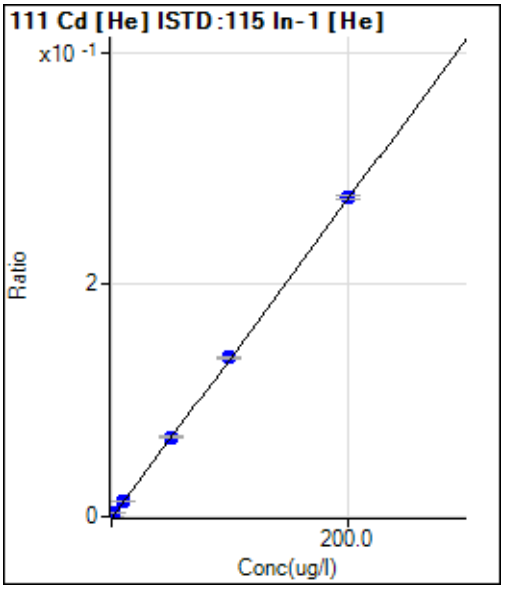
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.66	0.0001	P	87.3	
2	☐	2.000	1.933	3363.78	0.0266	P	5.3	-3.4
3	☐	10.000	9.844	17025.45	0.1350	P	1.7	-1.6
4	☐	25.000	25.116	43805.66	0.3445	P	1.8	0.5
5	☐	50.000	50.721	88225.27	0.6956	P	0.5	1.4
6	☐	100.000	99.627	172835.77	1.3662	P	0.5	-0.4

y = 0.0137 * x + 5.2366E-005
R = 1.0000
DL = 0.01 ug/l
BEC = 0.003819 ug/l

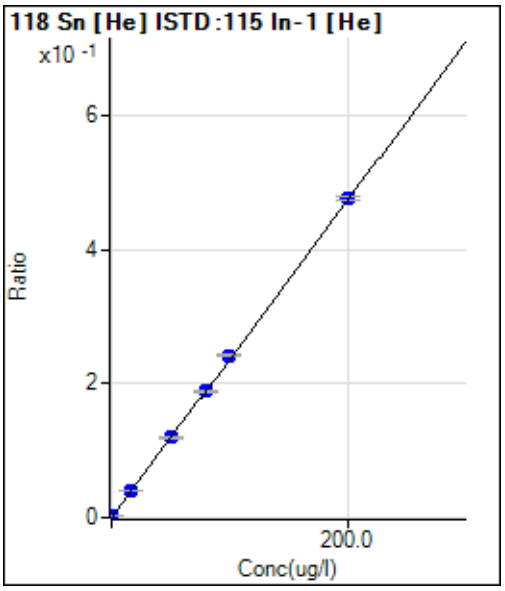
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1.11	0.0000	P	173.2	
2	☐	2.000	1.926	336.67	0.0027	P	4.0	-3.7
3	☐	10.000	9.851	1709.01	0.0136	P	3.2	-1.5
4	☐	50.000	49.783	8708.50	0.0685	P	2.8	-0.4
5	☐	100.000	99.620	17375.95	0.1370	P	1.6	-0.4
6	☐	200.000	200.252	34835.88	0.2754	P	1.1	0.1

y = 0.0014 * x + 8.7575E-006
R = 1.0000
DL = 0.03309 ug/l
BEC = 0.006369 ug/l

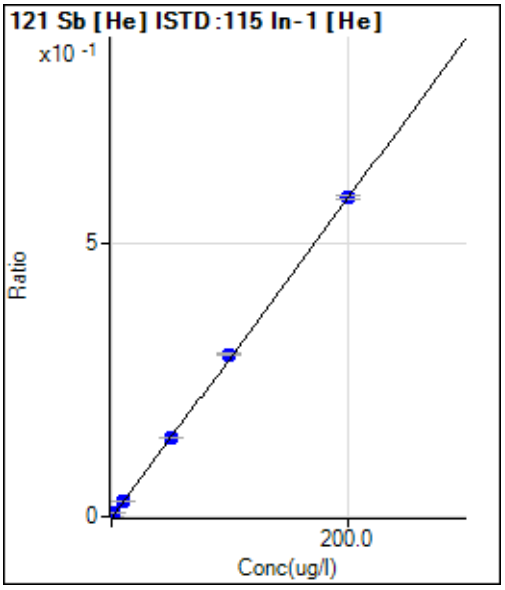
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	348.90	0.0027	P	8.5	
2	☐	16.000	15.920	5116.59	0.0404	P	3.4	-0.5
3	☐	80.000	78.474	23747.04	0.1884	P	0.7	-1.9
4	☐	50.000	49.339	15189.93	0.1194	P	2.3	-1.3
5	☐	100.000	101.144	30693.55	0.2420	P	1.0	1.1
6	☐	200.000	200.210	60260.94	0.4763	P	0.9	0.1

y = 0.0024 * x + 0.0027
R = 0.9999
DL = 0.2937 ug/l
BEC = 1.155 ug/l

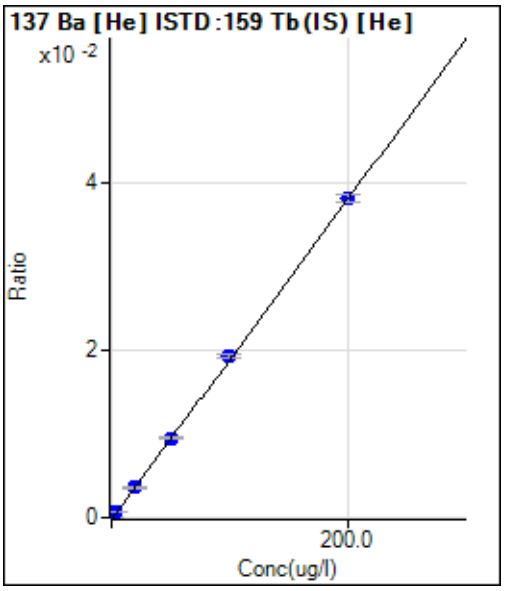
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35.56	0.0003	P	35.4	
2	☐	2.000	1.826	713.36	0.0056	P	2.1	-8.7
3	☐	10.000	9.766	3643.86	0.0289	P	3.3	-2.3
4	☐	50.000	49.380	18440.81	0.1450	P	1.0	-1.2
5	☐	100.000	101.098	37618.11	0.2966	P	1.1	1.1
6	☐	200.000	199.619	74047.21	0.5853	P	1.1	-0.2

y = 0.0029 * x + 2.7825E-004
R = 1.0000
DL = 0.1008 ug/l
BEC = 0.09494 ug/l

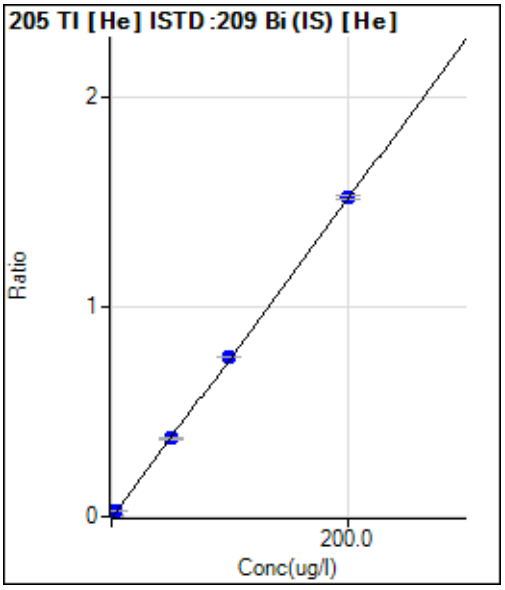
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.251	11.11	0.0000	P	17.5	
2	☐	4.000	4.012	454.45	0.0007	P	8.7	0.3
3	☐	20.000	19.294	2247.99	0.0037	P	6.2	-3.5
4	☐	50.000	49.756	5841.36	0.0095	P	2.0	-0.5
5	☐	100.000	101.111	11922.19	0.0193	P	2.0	1.1
6	☐	200.000	199.576	23584.77	0.0381	P	1.9	-0.2

y = 1.909403E-004 * x - 3.015993E-005
R = 1.0000
DL = 0.04903 ug/l
BEC = -0.158 ug/l

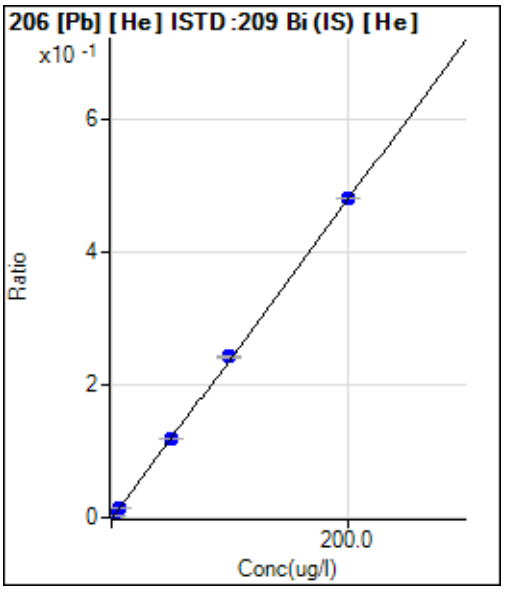
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	72.22	0.0002	P	35.1	
2	☐	0.800	0.752	2516.94	0.0059	P	2.6	-6.0
3	☐	4.000	3.829	12329.48	0.0294	P	2.2	-4.3
4	☐	50.000	48.914	155409.56	0.3733	P	1.0	-2.2
5	☐	100.000	100.411	314334.16	0.7661	P	0.3	0.4
6	☐	200.000	200.069	624045.96	1.5263	P	1.2	0.0

y = 0.0076 * x + 1.6790E-004
R = 1.0000
DL = 0.02316 ug/l
BEC = 0.02201 ug/l

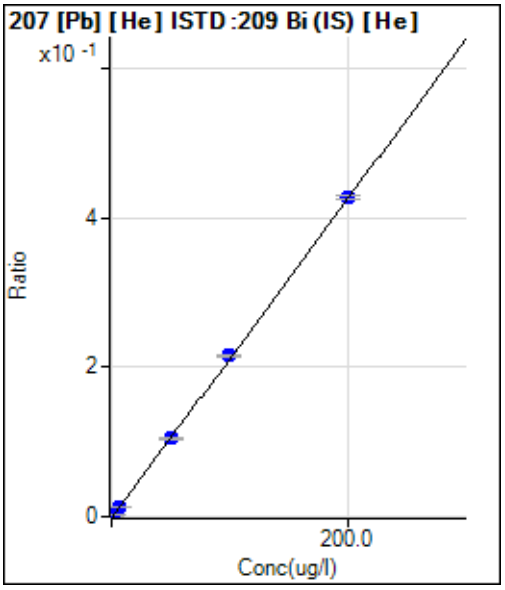
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0002	P	10.4	
2	☐	1.200	1.180	1294.52	0.0030	P	2.6	-1.6
3	☐	6.000	5.765	5894.77	0.0140	P	2.9	-3.9
4	☐	50.000	49.490	49565.25	0.1191	P	0.5	-1.0
5	☐	100.000	100.551	99154.61	0.2417	P	1.5	0.6
6	☐	200.000	199.859	196327.84	0.4802	P	0.5	-0.1

y = 0.0024 * x + 2.0163E-004
R = 1.0000
DL = 0.02615 ug/l
BEC = 0.08396 ug/l

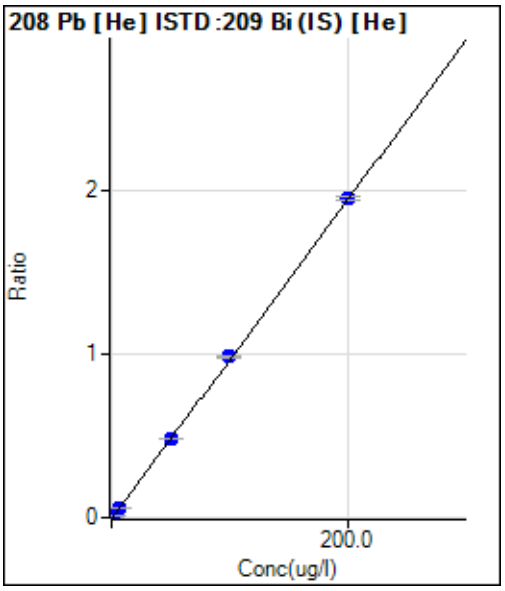
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	67.78	0.0002	P	15.3	
2	☐	1.200	1.147	1114.51	0.0026	P	1.5	-4.4
3	☐	6.000	5.860	5332.28	0.0127	P	2.4	-2.3
4	☐	50.000	48.938	43691.88	0.1050	P	1.3	-2.1
5	☐	100.000	100.643	88487.77	0.2157	P	0.7	0.6
6	☐	200.000	199.949	175111.77	0.4283	P	1.5	0.0

y = 0.0021 * x + 1.5758E-004
R = 1.0000
DL = 0.03378 ug/l
BEC = 0.07359 ug/l

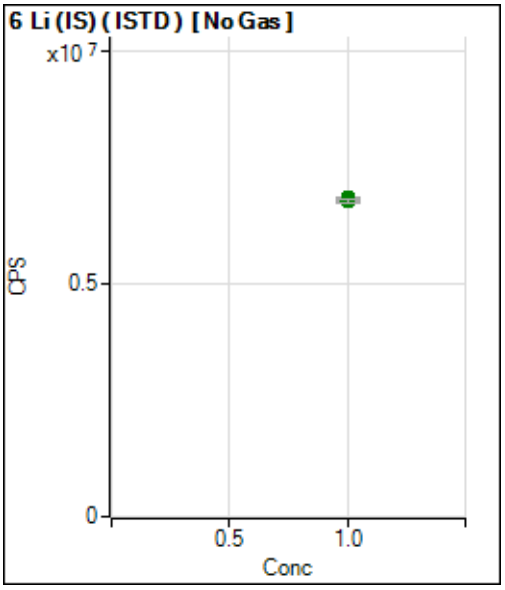
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Min Conc: <None>



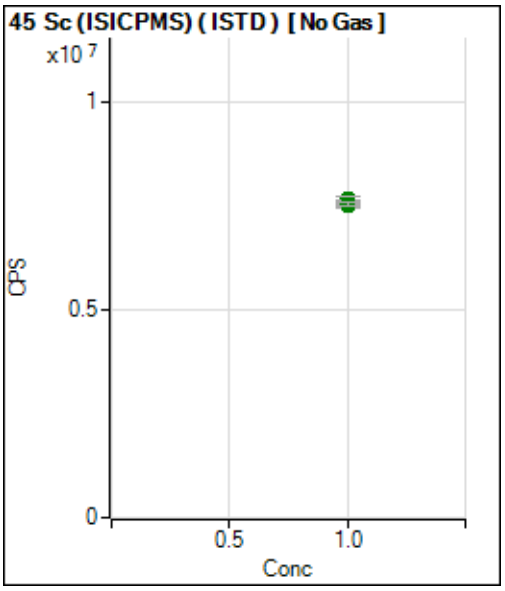
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	340.00	0.0008	P	3.6	
2	☐	1.200	1.172	5220.47	0.0122	P	3.1	-2.4
3	☐	6.000	5.785	24069.30	0.0574	P	1.6	-3.6
4	☐	50.000	49.150	200378.46	0.4813	P	0.2	-1.7
5	☐	100.000	100.550	403640.31	0.9838	P	1.2	0.5
6	☐	200.000	199.944	799553.11	1.9556	P	0.9	0.0

y = 0.0098 * x + 7.9101E-004
R = 1.0000
DL = 0.008716 ug/l
BEC = 0.08091 ug/l

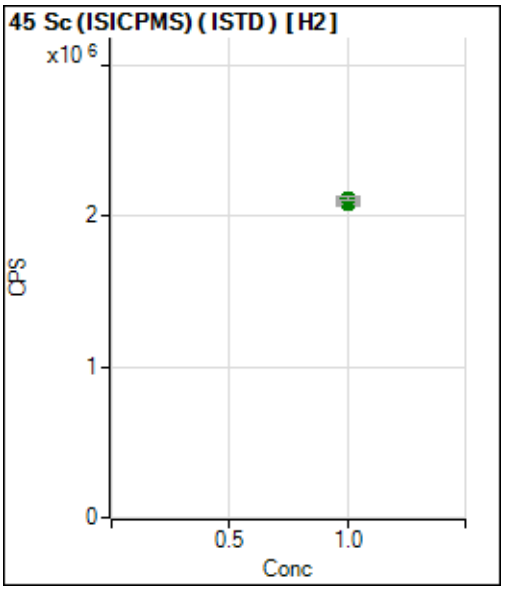
Weight: <None>
Min Conc: <None>



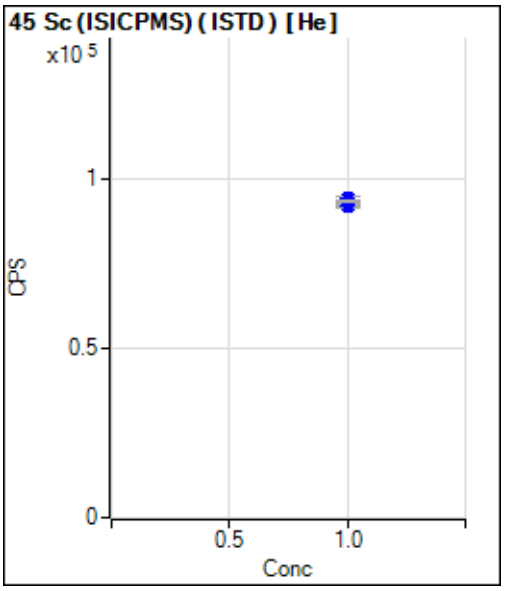
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6787029.97		A	0.9	
2	☐	1.000		6804847.33		A	0.4	
3	☐	1.000		6853764.13		A	0.2	
4	☐	1.000		6806057.74		A	0.6	
5	☐	1.000		6797959.34		A	0.6	
6	☐	1.000		6752881.56		A	1.2	



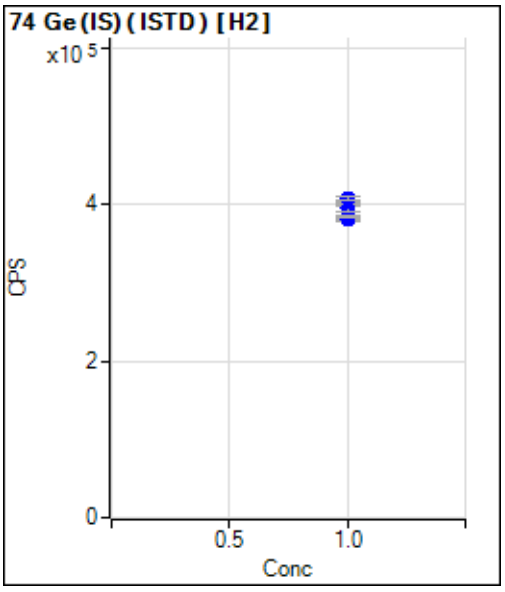
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7472168.57		A	0.8	
2	☐	1.000		7540104.33		A	1.0	
3	☐	1.000		7594903.36		A	1.2	
4	☐	1.000		7530360.86		A	1.1	
5	☐	1.000		7671985.10		A	0.7	
6	☐	1.000		7521562.32		A	1.0	



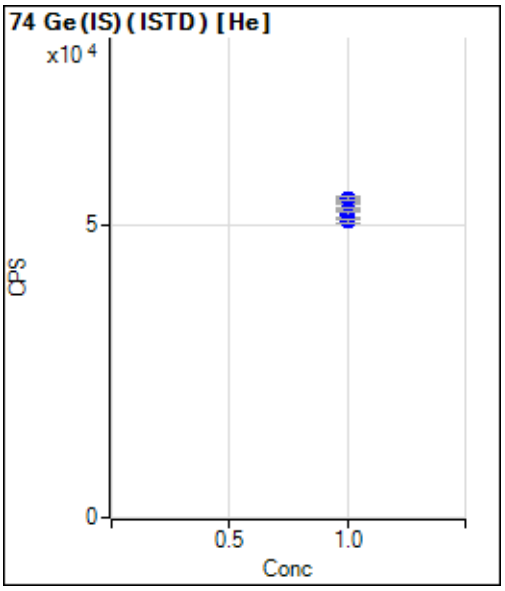
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2076629.99		A	0.7	
2	☐	1.000		2089213.27		A	0.8	
3	☐	1.000		2083525.51		A	1.0	
4	☐	1.000		2114125.97		A	1.2	
5	☐	1.000		2112718.30		A	0.4	
6	☐	1.000		2114876.10		A	1.2	



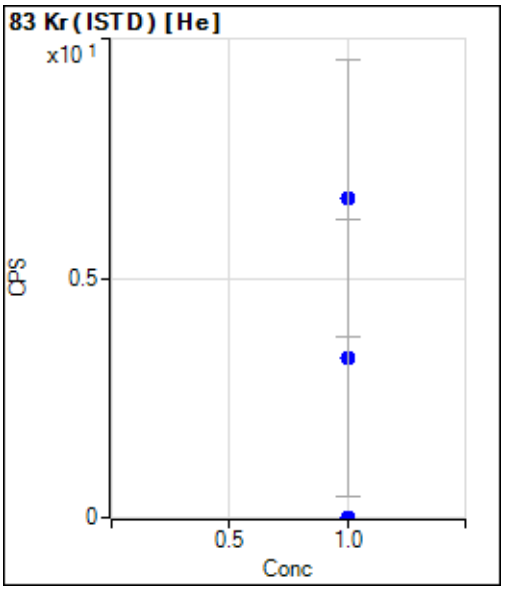
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		93299.09		P	0.4	
2	☐	1.000		92806.79		P	1.3	
3	☐	1.000		92061.82		P	0.9	
4	☐	1.000		93405.24		P	0.6	
5	☐	1.000		94394.52		P	1.1	
6	☐	1.000		93498.29		P	0.6	



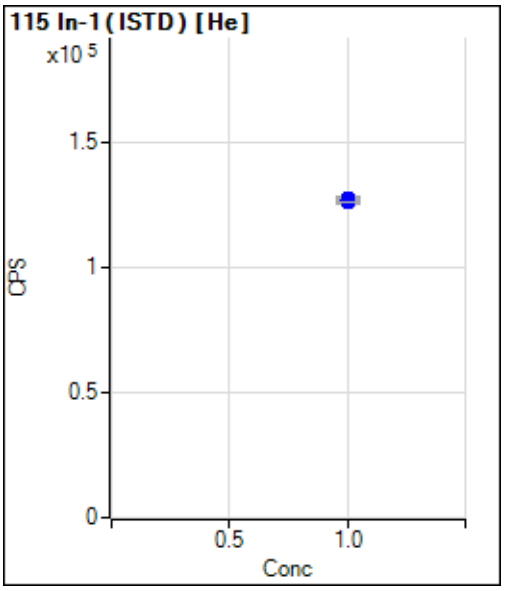
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		383361.76		P	0.8	
2	☐	1.000		381741.57		P	1.3	
3	☐	1.000		383755.34		P	0.4	
4	☐	1.000		394998.03		P	1.7	
5	☐	1.000		402271.09		P	0.4	
6	☐	1.000		407875.32		P	1.5	



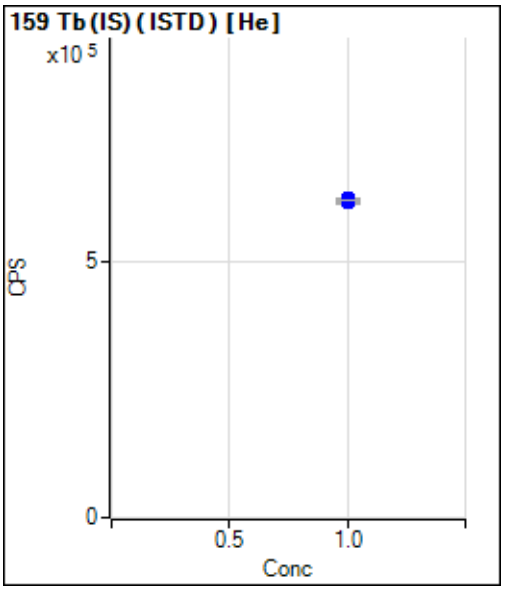
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		51824.40		P	2.6	
2	☐	1.000		51496.24		P	2.7	
3	☐	1.000		50538.22		P	1.5	
4	☐	1.000		53475.81		P	1.8	
5	☐	1.000		54209.85		P	1.8	
6	☐	1.000		54577.97		P	1.1	



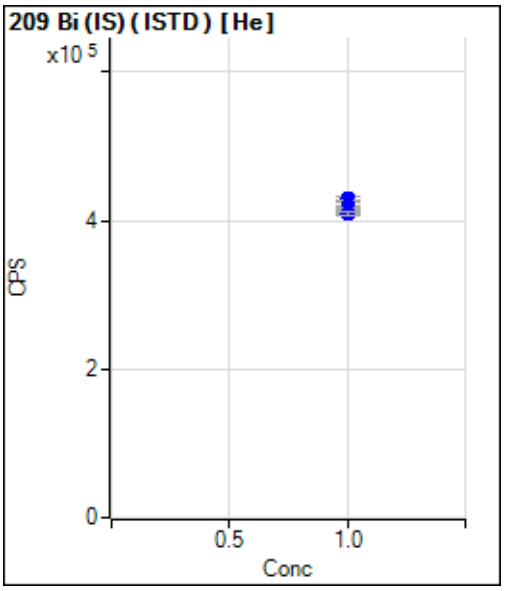
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3.34		P	173.2	
2	☐	1.000		0.00		P		
3	☐	1.000		6.67		P	86.6	
4	☐	1.000		3.34		P	173.2	
5	☐	1.000		3.34		P	173.2	
6	☐	1.000		0.00		P		



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		127749.93		P	0.8	
2	☐	1.000		126688.81		P	0.6	
3	☐	1.000		126070.09		P	0.5	
4	☐	1.000		127177.01		P	0.9	
5	☐	1.000		126839.38		P	1.1	
6	☐	1.000		126505.51		P	0.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		622999.59		P	0.3	
2	☐	1.000		617778.25		P	0.5	
3	☐	1.000		615261.42		P	1.7	
4	☐	1.000		616844.30		P	0.8	
5	☐	1.000		618442.96		P	0.7	
6	☐	1.000		619392.88		P	0.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		429902.27		P	0.7	
2	☐	1.000		426354.20		P	0.8	
3	☐	1.000		419678.94		P	0.5	
4	☐	1.000		416310.99		P	0.4	
5	☐	1.000		410297.55		P	0.9	
6	☐	1.000		408863.56		P	1.0	

05142024-w

Method: 245_7470A Operator: Admin Date of Analysis: 14 May 2024 13:20:57

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
Cal Blank - 1	88	-	974766hg1	245_7470A	14 May 2024 13:44:14	Hg	ug/L
0.2 ug/L - 1	1208	-	974766hg1	245_7470A	14 May 2024 13:45:57	Hg	ug/L
1.0 ug/L - 1	6298	-	974766hg1	245_7470A	14 May 2024 13:47:41	Hg	ug/L
2.0 ug/L - 1	12802	-	974766hg1	245_7470A	14 May 2024 13:49:24	Hg	ug/L
5.0 ug/L - 1	32929	-	974766hg1	245_7470A	14 May 2024 13:51:08	Hg	ug/L
10.0 ug/L - 1	62756	-	974766hg1	245_7470A	14 May 2024 13:52:53	Hg	ug/L
ICV - 1	32777	103.2% 5.1603	974766hg1	245_7470A	14 May 2024 13:54:40	Hg	ug/L
ICB - 1	-150	-0.0544	974766hg1	245_7470A	14 May 2024 13:56:36	Hg	ug/L
CRI - 1	1162	76.7% 0.1534	974766hg1	245_7470A	14 May 2024 13:58:25	Hg	ug/L
QCS - 1	33251	104.7% 5.2353	974766hg1	245_7470A	14 May 2024 14:00:09	Hg	ug/L
MCL - 1	12463	97.2% 1.9431	974766hg1	245_7470A	14 May 2024 14:01:53	Hg	ug/L
CCV - 1	32338	101.8% 5.0907	974766hg1	245_7470A	14 May 2024 14:03:41	Hg	ug/L
CCB - 1	-223	-0.0659	974766hg1	245_7470A	14 May 2024 14:05:25	Hg	ug/L
MB 460-974766/1-A - 1	-6	-0.0316	974766hg1	245_7470A	14 May 2024 14:07:13	Hg	ug/L
LCS 460-974766/2-A - 1	6091	0.9340	974766hg1	245_7470A	14 May 2024 14:08:55	Hg	ug/L
460-303106-J-5-E - 1	-131	-0.0514	974766hg1	245_7470A	14 May 2024 14:10:37	Hg	ug/L
460-303106-J-5-F DU - 1	-59	-0.0400	974766hg1	245_7470A	14 May 2024 14:12:21	Hg	ug/L
460-303106-J-5-G MS - 1	6248	0.9589	974766hg1	245_7470A	14 May 2024 14:14:02	Hg	ug/L
460-303106-J-5-H MSD - 1	6631	1.0195	974766hg1	245_7470A	14 May 2024 14:15:44	Hg	ug/L
sd 460-303106-J-5-E@5 - 1	-137	-0.0523	974766hg1	245_7470A	14 May 2024 14:17:28	Hg	ug/L
460-303106-J-3-B - 1	-47	-0.0381	974766hg1	245_7470A	14 May 2024 14:19:11	Hg	ug/L
460-303106-J-3-C DU - 1	-33	-0.0358	974766hg1	245_7470A	14 May 2024 14:20:54	Hg	ug/L
460-303106-J-3-D MS - 1	6728	1.0349	974766hg1	245_7470A	14 May 2024 14:22:36	Hg	ug/L
CCV - 1	32642	102.8% 5.1389	974766hg1	245_7470A	14 May 2024 14:24:19	Hg	ug/L
CCB - 1	-213	-0.0644	974766hg1	245_7470A	14 May 2024 14:26:03	Hg	ug/L
460-303088-F-6-B - 1	-67	-0.0412	974766hg1	245_7470A	14 May 2024 14:27:52	Hg	ug/L
460-303089-F-6-B - 1	8	-0.0294	974766hg1	245_7470A	14 May 2024 14:29:35	Hg	ug/L
460-303106-J-1-B - 1	931	0.1168	974766hg1	245_7470A	14 May 2024 14:31:19	Hg	ug/L
460-303106-J-2-B - 1	864	0.1062	974766hg1	245_7470A	14 May 2024 14:33:00	Hg	ug/L
460-303106-J-4-B - 1	-94	-0.0455	974766hg1	245_7470A	14 May 2024 14:34:42	Hg	ug/L
460-303106-J-6-B - 1	-13	-0.0327	974766hg1	245_7470A	14 May 2024 14:36:23	Hg	ug/L
460-303154-D-1-B - 1	199	0.0009	974766hg1	245_7470A	14 May 2024 14:38:05	Hg	ug/L
460-303334-F-1-B - 1	-31	-0.0355	974766hg1	245_7470A	14 May 2024 14:39:46	Hg	ug/L
460-303486-L-1-B - 1	-58	-0.0398	974766hg1	245_7470A	14 May 2024 14:41:28	Hg	ug/L
460-303605-G-1-B - 1	-6	-0.0316	974766hg1	245_7470A	14 May 2024 14:43:10	Hg	ug/L
CCV - 1	32551	102.5% 5.1245	974766hg1	245_7470A	14 May 2024 14:44:53	Hg	ug/L
CCB - 1	-230	-0.0670	974766hg1	245_7470A	14 May 2024 14:46:34	Hg	ug/L
460-303577-A-7-B - 1	49	-0.0229	974766hg1	245_7470A	14 May 2024 14:48:22	Hg	ug/L
480-219160-A-10-C - 1	-50	-0.0385	974766hg1	245_7470A	14 May 2024 14:50:05	Hg	ug/L
200-73295-E-2-B - 1	-18	-0.0335	974766hg1	245_7470A	14 May 2024 14:51:49	Hg	ug/L
MB 460-974781/1-A - 1	-34	-0.0360	974766hg1	245_7470A	14 May 2024 14:53:32	Hg	ug/L
MB 460-974767/1-B - 1	-53	-0.0390	974766hg1	245_7470A	14 May 2024 14:55:16	Hg	ug/L
LCS 460-974781/3-A - 1	6191	0.9498	974766hg1	245_7470A	14 May 2024 14:56:58	Hg	ug/L
460-303181-J-5-A - 1	-149	-0.0542	974766hg1	245_7470A	14 May 2024 14:58:40	Hg	ug/L
460-303181-J-5-B DU - 1	-50	-0.0385	974766hg1	245_7470A	14 May 2024 15:00:24	Hg	ug/L
460-303181-J-5-C MS - 1	6382	0.9801	974766hg1	245_7470A	14 May 2024 15:02:06	Hg	ug/L
460-303181-J-5-D MSD - 1	6258	0.9605	974766hg1	245_7470A	14 May 2024 15:03:48	Hg	ug/L
CCV - 1	33047	104.1% 5.2030	974766hg1	245_7470A	14 May 2024 15:05:32	Hg	ug/L
CCB - 1	-250	-0.0702	974766hg1	245_7470A	14 May 2024 15:07:15	Hg	ug/L
sd 460-303181-J-5-A@5 - 1	-117	-0.0492	974766hg1	245_7470A	14 May 2024 15:09:05	Hg	ug/L
460-303594-B-1-A - 1	-36	-0.0363	974766hg1	245_7470A	14 May 2024 15:10:47	Hg	ug/L
460-303594-B-1-B DU - 1	-51	-0.0387	974766hg1	245_7470A	14 May 2024 15:12:29	Hg	ug/L
460-303594-B-1-C MS - 1	6482	0.9959	974766hg1	245_7470A	14 May 2024 15:14:12	Hg	ug/L
460-303594-B-1-D MSD - 1	6724	1.0343	974766hg1	245_7470A	14 May 2024 15:15:55	Hg	ug/L
460-303370-M-1-D - 1	-28	-0.0351	974766hg1	245_7470A	14 May 2024 15:17:40	Hg	ug/L
460-303370-M-2-B - 1	-74	-0.0423	974766hg1	245_7470A	14 May 2024 15:19:26	Hg	ug/L
460-303418-M-1-D - 1	35	-0.0251	974766hg1	245_7470A	14 May 2024 15:21:08	Hg	ug/L
460-303418-L-2-C - 1	-21	-0.0339	974766hg1	245_7470A	14 May 2024 15:22:50	Hg	ug/L
460-303594-B-2-A - 1	-13	-0.0327	974766hg1	245_7470A	14 May 2024 15:24:32	Hg	ug/L
CCV - 1	32723	103.0% 5.1517	974766hg1	245_7470A	14 May 2024 15:26:14	Hg	ug/L
CCB - 1	-245	-0.0694	974766hg1	245_7470A	14 May 2024 15:27:56	Hg	ug/L
460-303594-B-3-A - 1	9	-0.0292	974766hg1	245_7470A	14 May 2024 15:29:48	Hg	ug/L
460-303594-B-5-A - 1	-5	-0.0314	974766hg1	245_7470A	14 May 2024 15:31:30	Hg	ug/L
460-303640-F-7-B - 1	-41	-0.0371	974766hg1	245_7470A	14 May 2024 15:33:12	Hg	ug/L
460-303640-F-8-B - 1	-15	-0.0330	974766hg1	245_7470A	14 May 2024 15:34:54	Hg	ug/L
MB 460-974783/1-A - 1	21	-0.0273	974766hg1	245_7470A	14 May 2024 15:36:37	Hg	ug/L
LCS 460-974783/2-A - 1	33367	5.2537	974766hg1	245_7470A	14 May 2024 15:38:20	Hg	ug/L
460-303547-A-1-E - 1	-104	-0.0471	974766hg1	245_7470A	14 May 2024 15:40:03	Hg	ug/L
460-303547-A-1-F DU - 1	282	0.0140	974766hg1	245_7470A	14 May 2024 15:41:50	Hg	ug/L
460-303547-A-1-G MS - 1	34956	5.5054	974766hg1	245_7470A	14 May 2024 15:43:33	Hg	ug/L
sd 460-303547-A-1-E@5 - 1	-239	-0.0685	974766hg1	245_7470A	14 May 2024 15:45:15	Hg	ug/L
CCV - 1	32622	102.7% 5.1357	974766hg1	245_7470A	14 May 2024 15:47:02	Hg	ug/L
CCB - 1	-255	-0.0710	974766hg1	245_7470A	14 May 2024 15:48:43	Hg	ug/L
460-300945-A-14-E - 1	227	0.0053	974766hg1	245_7470A	14 May 2024 15:50:33	Hg	ug/L
460-303471-A-6-S - 1	726	0.0844	974766hg1	245_7470A	14 May 2024 15:52:15	Hg	ug/L
460-303621-B-1-D - 1	586	0.0622	974766hg1	245_7470A	14 May 2024 15:53:57	Hg	ug/L
460-303662-C-7-C - 1	1791	0.2530	974766hg1	245_7470A	14 May 2024 15:55:40	Hg	ug/L
460-303705-A-1-C - 1	1100	0.1436	974766hg1	245_7470A	14 May 2024 15:57:22	Hg	ug/L
460-303718-B-1-H - 1	974	0.1236	974766hg1	245_7470A	14 May 2024 15:59:05	Hg	ug/L
460-303743-E-1-C - 1	1225	0.1634	974766hg1	245_7470A	14 May 2024 16:00:47	Hg	ug/L
LB 460-974569/1-D - 1	-90	-0.0449	974766hg1	245_7470A	14 May 2024 16:02:30	Hg	ug/L
LB 460-974423/1-F - 1	54	-0.0221	974766hg1	245_7470A	14 May 2024 16:04:13	Hg	ug/L
LB 460-974425/1-F - 1	7	-0.0295	974766hg1	245_7470A	14 May 2024 16:05:56	Hg	ug/L
CCV - 1	32779	103.2% 5.1606	974766hg1	245_7470A	14 May 2024 16:07:40	Hg	ug/L

05142024-w

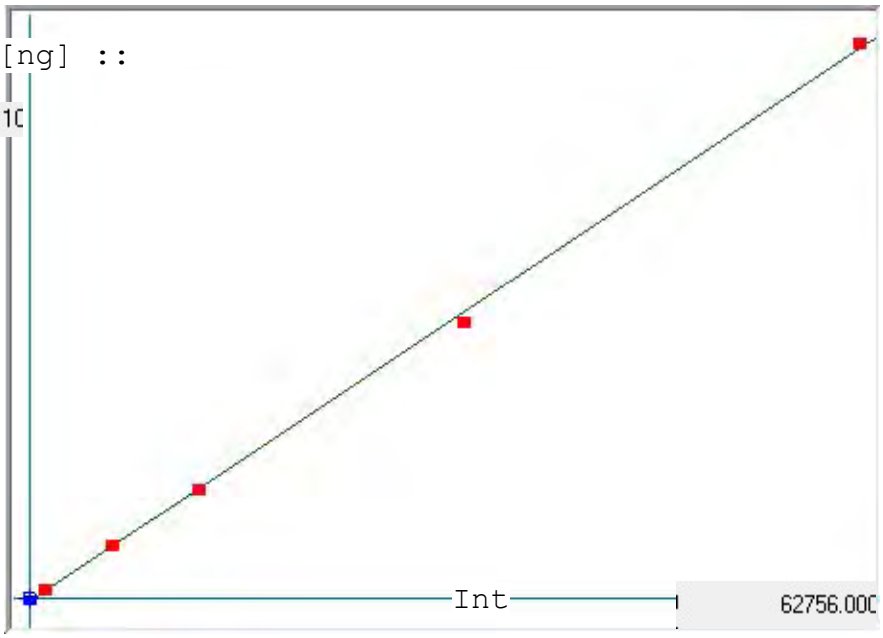
Method: 245_7470A Operator: Admin Date of Analysis: 14 May 2024 13:20:57

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
CCB - 1	-229	-0.0669	74766hg1	245_7470A	14 May 2024 16:09:22	Hg	ug/L
LB 460-974426/1-C - 1	-20	-0.0338	74766hg1	245_7470A	14 May 2024 16:11:11	Hg	ug/L
MB 460-974794/1-A - 1	-113	-0.0485	74766hg1	245_7470A	14 May 2024 16:12:55	Hg	ug/L
LCS 460-974794/2-A - 1	33996	5.3533	74766hg1	245_7470A	14 May 2024 16:14:37	Hg	ug/L
460-303363-A-10-D - 1	-155	-0.0552	74766hg1	245_7470A	14 May 2024 16:16:20	Hg	ug/L
460-303363-A-10-E DU - 1	-13	-0.0327	74766hg1	245_7470A	14 May 2024 16:18:08	Hg	ug/L
460-303363-A-10-F MS - 1	31191	4.9091	74766hg1	245_7470A	14 May 2024 16:19:50	Hg	ug/L
sd 460-303363-A-10-D@5 - 1	-233	-0.0675	74766hg1	245_7470A	14 May 2024 16:21:33	Hg	ug/L
460-303363-B-3-C - 1	28542	4.4896	74766hg1	245_7470A	14 May 2024 16:23:23	Hg	ug/L
460-303363-A-7-D - 1	5842	0.8946	74766hg1	245_7470A	14 May 2024 16:25:05	Hg	ug/L
460-303363-D-14-F - 1	9300	1.4422	74766hg1	245_7470A	14 May 2024 16:26:52	Hg	ug/L
CCV - 1	32437	102.1% 5.1064	74766hg1	245_7470A	14 May 2024 16:28:38	Hg	ug/L
CCB - 1	-195	-0.0615	74766hg1	245_7470A	14 May 2024 16:30:22	Hg	ug/L
460-303363-B-19-C - 1	5963	0.9137	74766hg1	245_7470A	14 May 2024 16:32:12	Hg	ug/L
460-303684-A-1-G - 1	6411	0.9847	74766hg1	245_7470A	14 May 2024 16:33:56	Hg	ug/L
460-303664-G-11-B - 1	4636	0.7036	74766hg1	245_7470A	14 May 2024 16:35:43	Hg	ug/L
460-302589-A-3-G - 1	993	0.1266	74766hg1	245_7470A	14 May 2024 16:37:28	Hg	ug/L
LB 460-973612/1-C - 1	-48	-0.0382	74766hg1	245_7470A	14 May 2024 16:39:12	Hg	ug/L
LB 460-974427/1-F - 1	-42	-0.0373	74766hg1	245_7470A	14 May 2024 16:40:55	Hg	ug/L
CCV - 1	32553	102.5% 5.1248	74766hg1	245_7470A	14 May 2024 16:42:39	Hg	ug/L
CCB - 1	-266	-0.0727	74766hg1	245_7470A	14 May 2024 16:44:20	Hg	ug/L

245_7470A

Linear

Max. Hg [ng] ::



A= 0.0000e+000

B= 1.5837e-004

C= -3.0621e-002

Rho= 0.9996968

Accept= Accepted

Accepted Date=

05/14/24 13:54

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.017	-0.017	88	0.000	88				
0.2 ug/L	0.200	0.161	-0.039	1208	0.0 %	1208				
1.0 ug/L	1.000	0.967	-0.033	6298	0.0 %	6298				
2.0 ug/L	2.000	1.997	-0.003	12802	0.0 %	12802				
5.0 ug/L	5.000	5.184	0.184	32929	0.0 %	32929				
10.0 ug/L	10.000	9.908	-0.092	62756	0.0 %	62756				

05162024-w

Method: 245_7470A Operator: Admin Date of Analysis: 16 May 2024 13:42:07

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
Cal Blank - 1	27	-	975266hg1	245_7470A	16 May 2024 14:08:45	Hg	ug/L
0.2 ug/L - 1	1310	-	975266hg1	245_7470A	16 May 2024 14:10:28	Hg	ug/L
1.0 ug/L - 1	6506	-	975266hg1	245_7470A	16 May 2024 14:12:12	Hg	ug/L
2.0 ug/L - 1	13203	-	975266hg1	245_7470A	16 May 2024 14:13:55	Hg	ug/L
5.0 ug/L - 1	32757	-	975266hg1	245_7470A	16 May 2024 14:15:40	Hg	ug/L
10.0 ug/L - 1	63339	-	975266hg1	245_7470A	16 May 2024 14:17:25	Hg	ug/L
ICV - 1	32491	101.5% 5.0756	975266hg1	245_7470A	16 May 2024 14:19:13	Hg	ug/L
ICB - 1	-234	-0.0783	975266hg1	245_7470A	16 May 2024 14:21:09	Hg	ug/L
CRI - 1	1366	86.8% 0.1737	975266hg1	245_7470A	16 May 2024 14:22:58	Hg	ug/L
QCS - 1	32322	101.0% 5.0489	975266hg1	245_7470A	16 May 2024 14:24:41	Hg	ug/L
MCL - 1	13178	101.7% 2.0340	975266hg1	245_7470A	16 May 2024 14:26:25	Hg	ug/L
CCV - 1	32784	102.4% 5.1217	975266hg1	245_7470A	16 May 2024 14:28:12	Hg	ug/L
CCB - 1	-181	-0.0700	975266hg1	245_7470A	16 May 2024 14:29:56	Hg	ug/L
MB 460-975266/1-A - 1	10	-0.0399	975266hg1	245_7470A	16 May 2024 14:31:46	Hg	ug/L
LCS 460-975266/2-A - 1	7038	1.0670	975266hg1	245_7470A	16 May 2024 14:33:28	Hg	ug/L
460-303902-A-3-A - 1	-67	-0.0520	975266hg1	245_7470A	16 May 2024 14:35:10	Hg	ug/L
460-303902-A-3-B DU - 1	50	-0.0336	975266hg1	245_7470A	16 May 2024 14:36:53	Hg	ug/L
460-303902-A-3-C MS - 1	6949	1.0529	975266hg1	245_7470A	16 May 2024 14:38:34	Hg	ug/L
sd 460-303902-A-3-A@5 - 1	-60	-0.0509	975266hg1	245_7470A	16 May 2024 14:40:16	Hg	ug/L
480-219038-I-1-D - 1	364	0.0159	975266hg1	245_7470A	16 May 2024 14:42:00	Hg	ug/L
480-218979-D-1-D - 1	86	-0.0279	975266hg1	245_7470A	16 May 2024 14:43:42	Hg	ug/L
480-219420-D-6-C - 1	-51	-0.0495	975266hg1	245_7470A	16 May 2024 14:45:24	Hg	ug/L
480-219513-J-1-B - 1	21	-0.0381	975266hg1	245_7470A	16 May 2024 14:47:07	Hg	ug/L
CCV - 1	32798	102.5% 5.1239	975266hg1	245_7470A	16 May 2024 14:48:50	Hg	ug/L
CCB - 1	-264	-0.0830	975266hg1	245_7470A	16 May 2024 14:50:32	Hg	ug/L
460-303393-D-1-D - 1	50	-0.0336	975266hg1	245_7470A	16 May 2024 14:52:20	Hg	ug/L
460-303425-C-2-B - 1	27	-0.0372	975266hg1	245_7470A	16 May 2024 14:54:03	Hg	ug/L
460-303464-C-3-B - 1	155	-0.0170	975266hg1	245_7470A	16 May 2024 14:55:46	Hg	ug/L
460-303896-A-1-B - 1	1408	0.1803	975266hg1	245_7470A	16 May 2024 14:57:28	Hg	ug/L
460-303976-D-4-B@10 - 1	121	-0.0224	975266hg1	245_7470A	16 May 2024 14:59:09	Hg	ug/L
460-303976-D-5-B@10 - 1	877	0.0967	975266hg1	245_7470A	16 May 2024 15:00:53	Hg	ug/L
460-303897-A-2-A - 1	35	-0.0359	975266hg1	245_7470A	16 May 2024 15:02:35	Hg	ug/L
460-303960-D-13-A - 1	13	-0.0394	975266hg1	245_7470A	16 May 2024 15:04:16	Hg	ug/L
460-303975-G-6-A - 1	57	-0.0325	975266hg1	245_7470A	16 May 2024 15:05:58	Hg	ug/L
460-303975-G-7-A - 1	42	-0.0348	975266hg1	245_7470A	16 May 2024 15:07:40	Hg	ug/L
CCV - 1	32529	101.6% 5.0815	975266hg1	245_7470A	16 May 2024 15:09:22	Hg	ug/L
CCB - 1	-123	-0.0608	975266hg1	245_7470A	16 May 2024 15:11:04	Hg	ug/L
460-303765-B-1-A - 1	39	-0.0353	975266hg1	245_7470A	16 May 2024 15:12:56	Hg	ug/L
460-303902-A-1-A - 1	66	-0.0311	975266hg1	245_7470A	16 May 2024 15:14:39	Hg	ug/L
460-303902-A-2-A - 1	266	0.0004	975266hg1	245_7470A	16 May 2024 15:16:22	Hg	ug/L
460-303902-A-4-A - 1	80	-0.0289	975266hg1	245_7470A	16 May 2024 15:18:05	Hg	ug/L
460-303902-A-5-A - 1	11	-0.0397	975266hg1	245_7470A	16 May 2024 15:19:49	Hg	ug/L
MB 460-975277/1-A - 1	32	-0.0364	975266hg1	245_7470A	16 May 2024 15:21:31	Hg	ug/L
LCS 460-975277/2-A - 1	6598	0.9977	975266hg1	245_7470A	16 May 2024 15:23:13	Hg	ug/L
460-303597-B-15-B - 1	2501	0.3524	975266hg1	245_7470A	16 May 2024 15:24:54	Hg	ug/L
460-303597-B-15-C DU - 1	2297	0.3203	975266hg1	245_7470A	16 May 2024 15:26:38	Hg	ug/L
460-303597-B-15-D MS - 1	8404	1.2821	975266hg1	245_7470A	16 May 2024 15:28:22	Hg	ug/L
CCV - 1	32331	101.0% 5.0504	975266hg1	245_7470A	16 May 2024 15:30:06	Hg	ug/L
CCB - 1	-171	-0.0684	975266hg1	245_7470A	16 May 2024 15:31:50	Hg	ug/L
sd 460-303597-B-15-B@5 - 1	583	0.0504	975266hg1	245_7470A	16 May 2024 15:33:43	Hg	ug/L
460-303902-A-6-A - 1	53	-0.0331	975266hg1	245_7470A	16 May 2024 15:35:25	Hg	ug/L
460-303864-G-1-A - 1	68	-0.0307	975266hg1	245_7470A	16 May 2024 15:37:07	Hg	ug/L
460-303864-G-2-A - 1	198	-0.0103	975266hg1	245_7470A	16 May 2024 15:38:50	Hg	ug/L
460-303864-G-3-A - 1	46	-0.0342	975266hg1	245_7470A	16 May 2024 15:40:34	Hg	ug/L
460-303864-G-4-A - 1	70	-0.0304	975266hg1	245_7470A	16 May 2024 15:42:17	Hg	ug/L
460-303864-G-5-A - 1	24	-0.0377	975266hg1	245_7470A	16 May 2024 15:44:01	Hg	ug/L
460-303597-B-14-B - 1	8120	1.2374	975266hg1	245_7470A	16 May 2024 15:45:43	Hg	ug/L
460-303597-B-16-B - 1	4764	0.7088	975266hg1	245_7470A	16 May 2024 15:47:25	Hg	ug/L
460-303597-B-17-B - 1	-66	-0.0519	975266hg1	245_7470A	16 May 2024 15:49:10	Hg	ug/L
CCV - 1	32390	101.2% 5.0597	975266hg1	245_7470A	16 May 2024 15:50:54	Hg	ug/L
CCB - 1	-186	-0.0708	975266hg1	245_7470A	16 May 2024 15:52:36	Hg	ug/L
460-303959-G-1-A - 1	131	-0.0208	975266hg1	245_7470A	16 May 2024 15:54:26	Hg	ug/L
460-303964-C-11-A - 1	38	-0.0355	975266hg1	245_7470A	16 May 2024 15:56:08	Hg	ug/L
480-219623-K-5-B - 1	113	-0.0237	975266hg1	245_7470A	16 May 2024 15:57:50	Hg	ug/L
480-219623-C-6-B - 1	85	-0.0281	975266hg1	245_7470A	16 May 2024 15:59:32	Hg	ug/L
480-219747-B-3-B - 1	748	0.0763	975266hg1	245_7470A	16 May 2024 16:01:14	Hg	ug/L
480-219747-B-4-B - 1	340	0.0121	975266hg1	245_7470A	16 May 2024 16:02:57	Hg	ug/L
480-219747-B-5-B - 1	17743	2.7529	975266hg1	245_7470A	16 May 2024 16:04:40	Hg	ug/L
480-219747-B-6-B - 1	645	0.0601	975266hg1	245_7470A	16 May 2024 16:06:23	Hg	ug/L
MB 460-975279/1-A - 1	-20	-0.0446	975266hg1	245_7470A	16 May 2024 16:08:14	Hg	ug/L
LCS 460-975279/2-A - 1	33354	5.2115	975266hg1	245_7470A	16 May 2024 16:09:57	Hg	ug/L
CCV - 1	32298	100.9% 5.0452	975266hg1	245_7470A	16 May 2024 16:11:39	Hg	ug/L
CCB - 1	-186	-0.0708	975266hg1	245_7470A	16 May 2024 16:13:27	Hg	ug/L
460-303825-B-2-H - 1	181	-0.0130	975266hg1	245_7470A	16 May 2024 16:15:19	Hg	ug/L
460-303825-B-2-I DU - 1	192	-0.0112	975266hg1	245_7470A	16 May 2024 16:17:01	Hg	ug/L
460-303825-B-2-J MS - 1	32871	5.1354	975266hg1	245_7470A	16 May 2024 16:18:44	Hg	ug/L
sd 460-303825-B-2-H@5 - 1	-152	-0.0654	975266hg1	245_7470A	16 May 2024 16:20:26	Hg	ug/L
480-218918-A-1-K - 1	39	-0.0353	975266hg1	245_7470A	16 May 2024 16:22:14	Hg	ug/L
180-173834-C-1-C@10 - 1	20	-0.0383	975266hg1	245_7470A	16 May 2024 16:23:57	Hg	ug/L
180-173834-C-3-C@10 - 1	79	-0.0290	975266hg1	245_7470A	16 May 2024 16:25:40	Hg	ug/L
460-303826-B-1-C - 1	198	-0.0103	975266hg1	245_7470A	16 May 2024 16:27:23	Hg	ug/L
460-303835-D-3-D - 1	416	0.0241	975266hg1	245_7470A	16 May 2024 16:29:07	Hg	ug/L
460-303841-G-1-C - 1	2359	0.3301	975266hg1	245_7470A	16 May 2024 16:30:50	Hg	ug/L
CCV - 1	32647	102.0% 5.1001	975266hg1	245_7470A	16 May 2024 16:32:34	Hg	ug/L

05162024-w

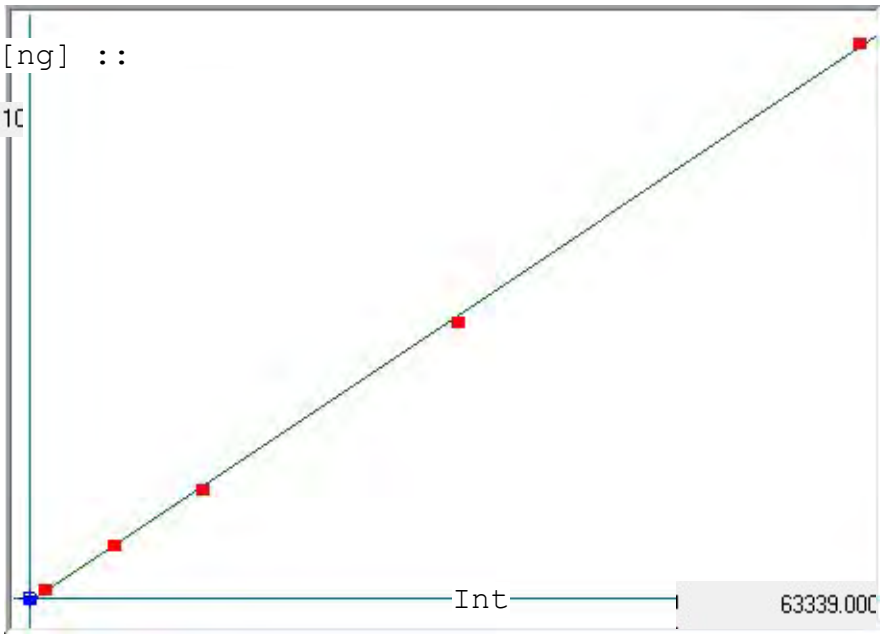
Method: 245_7470A Operator: Admin Date of Analysis: 16 May 2024 13:42:07

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
CCB - 1	-172	-0.0685	975266hg1	245_7470A	16 May 2024 16:34:16	Hg	ug/L
460-303568-A-1-D - 1	-27	-0.0457	975266hg1	245_7470A	16 May 2024 16:36:08	Hg	ug/L
460-303610-E-1-H - 1	24263	3.7797	975266hg1	245_7470A	16 May 2024 16:37:51	Hg	ug/L
460-303610-E-2-G - 1	43015	6.7330	975266hg1	245_7470A	16 May 2024 16:39:33	Hg	ug/L
460-303610-E-3-G - 1	103460	16.2525	975266hg1	245_7470A	16 May 2024 16:41:20	Hg	ug/L
460-303610-E-4-G - 1	11147	1.7141	975266hg1	245_7470A	16 May 2024 16:43:10	Hg	ug/L
460-303610-E-5-G - 1	9438	1.4449	975266hg1	245_7470A	16 May 2024 16:45:08	Hg	ug/L
460-303650-C-1-C - 1	87	-0.0278	975266hg1	245_7470A	16 May 2024 16:46:53	Hg	ug/L
460-303650-C-2-D - 1	310	0.0074	975266hg1	245_7470A	16 May 2024 16:48:38	Hg	ug/L
460-303650-C-3-D - 1	138	-0.0197	975266hg1	245_7470A	16 May 2024 16:50:20	Hg	ug/L
460-303791-B-1-C - 1	162	-0.0159	975266hg1	245_7470A	16 May 2024 16:52:03	Hg	ug/L
CCV - 1	32205	100.6% 5.0305	975266hg1	245_7470A	16 May 2024 16:53:47	Hg	ug/L
CCB - 1	-202	-0.0733	975266hg1	245_7470A	16 May 2024 16:55:28	Hg	ug/L
460-303818-H-1-G - 1	178	-0.0134	975266hg1	245_7470A	16 May 2024 16:57:17	Hg	ug/L
LB 460-975050/1-C - 1	191	-0.0114	975266hg1	245_7470A	16 May 2024 16:59:02	Hg	ug/L
LB 460-973423/1-C - 1	21	-0.0381	975266hg1	245_7470A	16 May 2024 17:00:46	Hg	ug/L
LB 460-975056/1-F - 1	265	0.0003	975266hg1	245_7470A	16 May 2024 17:02:28	Hg	ug/L
460-303610-E-3-G@3 - 1	34432	5.3813	975266hg1	245_7470A	16 May 2024 17:04:11	Hg	ug/L
CCV - 1	31847	99.5% 4.9741	975266hg1	245_7470A	16 May 2024 17:05:54	Hg	ug/L
CCB - 1	-224	-0.0767	975266hg1	245_7470A	16 May 2024 17:07:41	Hg	ug/L

245_7470A

Linear

Max. Hg [ng] ::



A= 0.0000e+000

B= 1.5749e-004

C= -4.1457e-002

Rho= 0.9998496

Accept= Accepted

Accepted Date=

05/16/24 14:19

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.037	-0.037	27	0.000	27				
0.2 ug/L	0.200	0.165	-0.035	1310	0.0 %	1310				
1.0 ug/L	1.000	0.983	-0.017	6506	0.0 %	6506				
2.0 ug/L	2.000	2.038	0.038	13203	0.0 %	13203				
5.0 ug/L	5.000	5.117	0.117	32757	0.0 %	32757				
10.0 ug/L	10.000	9.934	-0.066	63339	0.0 %	63339				

051524TSS

Method: 7471B Operator: Admin Date of Analysis: 15 May 2024 02:05:38

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
Cal Blank - 1	267	-	974892HG1	7471B	15 May 2024 04:02:08	Hg	ug/L
0.2 ug/L - 1	2204	-	974892HG1	7471B	15 May 2024 04:03:53	Hg	ug/L
1.0 ug/L - 1	8519	-	974892HG1	7471B	15 May 2024 04:05:39	Hg	ug/L
2.0 ug/L - 1	16481	-	974892HG1	7471B	15 May 2024 04:07:24	Hg	ug/L
5.0 ug/L - 1	38639	-	974892HG1	7471B	15 May 2024 04:09:12	Hg	ug/L
10.0 ug/L - 1	76787	-	974892HG1	7471B	15 May 2024 04:11:02	Hg	ug/L
ICV - 1	38361	98.9% 4.9442	974892HG1	7471B	15 May 2024 04:13:00	Hg	ug/L
ICB - 1	-3	-0.0960	974892HG1	7471B	15 May 2024 04:15:05	Hg	ug/L
CCV - 1	39222	101.1% 5.0573	974892HG1	7471B	15 May 2024 04:17:03	Hg	ug/L
CCB - 1	40	-0.0903	974892HG1	7471B	15 May 2024 04:18:47	Hg	ug/L
mb 460-974892/10-a - 1	291	-0.0573	974892HG1	7471B	15 May 2024 04:20:46	Hg	ug/L
lcssrm 460-974892/11-a@20 - 1	53418	6.9223	974892HG1	7471B	15 May 2024 04:22:30	Hg	ug/L
460-303885-e-1-d - 1	606	-0.0160	974892HG1	7471B	15 May 2024 04:24:13	Hg	ug/L
460-303885-e-1-e du - 1	771	0.0057	974892HG1	7471B	15 May 2024 04:26:13	Hg	ug/L
460-303885-e-1-f ms - 1	8303	0.9953	974892HG1	7471B	15 May 2024 04:27:57	Hg	ug/L
SD 460-303885-e-1-d@5 - 1	377	-0.0460	974892HG1	7471B	15 May 2024 04:29:40	Hg	ug/L
200-73295-c-1-a - 1	852	0.0164	974892HG1	7471B	15 May 2024 04:31:27	Hg	ug/L
460-303842-e-1-d - 1	4234	0.4607	974892HG1	7471B	15 May 2024 04:33:12	Hg	ug/L
460-303842-f-2-d - 1	3576	0.3742	974892HG1	7471B	15 May 2024 04:34:57	Hg	ug/L
460-303842-e-3-d - 1	3149	0.3181	974892HG1	7471B	15 May 2024 04:36:44	Hg	ug/L
CCV - 1	38409	99.0% 4.9505	974892HG1	7471B	15 May 2024 04:38:32	Hg	ug/L
CCB - 1	-59	-0.1033	974892HG1	7471B	15 May 2024 04:40:17	Hg	ug/L
460-303842-e-4-d - 1	1842	0.1464	974892HG1	7471B	15 May 2024 04:42:17	Hg	ug/L
460-303842-e-5-d - 1	2242	0.1990	974892HG1	7471B	15 May 2024 04:44:02	Hg	ug/L
460-303842-e-6-d - 1	4214	0.4580	974892HG1	7471B	15 May 2024 04:45:50	Hg	ug/L
460-303842-e-7-d - 1	4288	0.4678	974892HG1	7471B	15 May 2024 04:47:34	Hg	ug/L
460-303842-e-8-d - 1	4608	0.5098	974892HG1	7471B	15 May 2024 04:49:20	Hg	ug/L
460-303885-e-2-b - 1	764	0.0048	974892HG1	7471B	15 May 2024 04:51:06	Hg	ug/L
460-303885-e-3-d - 1	1759	0.1355	974892HG1	7471B	15 May 2024 04:52:52	Hg	ug/L
460-303885-e-4-c - 1	2885	0.2834	974892HG1	7471B	15 May 2024 04:54:36	Hg	ug/L
460-303885-e-5-d - 1	6586	0.7697	974892HG1	7471B	15 May 2024 04:56:22	Hg	ug/L
460-303885-e-6-c - 1	834	0.0140	974892HG1	7471B	15 May 2024 04:58:08	Hg	ug/L
CCV - 1	37709	97.2% 4.8585	974892HG1	7471B	15 May 2024 04:59:55	Hg	ug/L
CCB - 1	21	-0.0928	974892HG1	7471B	15 May 2024 05:01:39	Hg	ug/L
460-303885-e-7-c - 1	1963	0.1623	974892HG1	7471B	15 May 2024 05:03:38	Hg	ug/L
460-303580-a-10-n - 1	1101	0.0491	974892HG1	7471B	15 May 2024 05:05:23	Hg	ug/L
460-303580-a-22-h - 1	2123	0.1833	974892HG1	7471B	15 May 2024 05:07:09	Hg	ug/L
460-303579-b-4-b - 1	20495	2.5970	974892HG1	7471B	15 May 2024 05:08:55	Hg	ug/L
460-303579-b-5-b - 1	23905	3.0450	974892HG1	7471B	15 May 2024 05:10:42	Hg	ug/L
mb 460-974895/1-a - 1	61	-0.0876	974892HG1	7471B	15 May 2024 05:12:31	Hg	ug/L
lcssrm 460-974895/2-a@20 - 1	51257	6.6384	974892HG1	7471B	15 May 2024 05:14:21	Hg	ug/L
460-303676-a-8-f - 1	1004	0.0363	974892HG1	7471B	15 May 2024 05:16:05	Hg	ug/L
460-303676-a-8-g du - 1	1178	0.0592	974892HG1	7471B	15 May 2024 05:18:06	Hg	ug/L
460-303676-a-8-h ms - 1	9151	1.1067	974892HG1	7471B	15 May 2024 05:19:50	Hg	ug/L
CCV - 1	38295	98.7% 4.9355	974892HG1	7471B	15 May 2024 05:21:35	Hg	ug/L
CCB - 1	17	-0.0933	974892HG1	7471B	15 May 2024 05:23:21	Hg	ug/L
SD 460-303676-a-8-f@5 - 1	608	-0.0157	974892HG1	7471B	15 May 2024 05:25:20	Hg	ug/L
460-303608-d-1-a - 1	2544	0.2386	974892HG1	7471B	15 May 2024 05:27:05	Hg	ug/L
460-303608-d-2-a - 1	2438	0.2247	974892HG1	7471B	15 May 2024 05:28:50	Hg	ug/L
460-303676-g-3-l - 1	2183	0.1912	974892HG1	7471B	15 May 2024 05:30:36	Hg	ug/L
460-303676-a-9-f - 1	2127	0.1839	974892HG1	7471B	15 May 2024 05:32:23	Hg	ug/L
460-303676-a-10-f - 1	102538	13.3756	974892HG1	7471B	15 May 2024 05:34:09	Hg	ug/L
460-303676-a-11-f - 1	3471	0.3604	974892HG1	7471B	15 May 2024 05:35:56	Hg	ug/L
460-303421-b-7-a - 1	24539	3.1283	974892HG1	7471B	15 May 2024 05:37:58	Hg	ug/L
460-303421-b-8-a - 1	32508	4.1752	974892HG1	7471B	15 May 2024 05:39:44	Hg	ug/L
460-303421-b-9-a - 1	29254	3.7477	974892HG1	7471B	15 May 2024 05:41:35	Hg	ug/L
CCV - 1	38039	98.0% 4.9019	974892HG1	7471B	15 May 2024 05:43:29	Hg	ug/L
CCB - 1	0	-0.0956	974892HG1	7471B	15 May 2024 05:45:23	Hg	ug/L
460-303825-b-2-d - 1	23272	2.9618	974892HG1	7471B	15 May 2024 05:47:24	Hg	ug/L
460-303664-a-5-a - 1	170405	22.2918	974892HG1	7471B	15 May 2024 05:49:08	Hg	ug/L
460-303664-a-7-a - 1	247413	HIGH	974892HG1	7471B	15 May 2024 05:51:01	Hg	ug/L
460-303664-a-9-a - 1	12697	1.5725	974892HG1	7471B	15 May 2024 05:52:51	Hg	ug/L
460-303664-a-10-a - 1	89360	11.6443	974892HG1	7471B	15 May 2024 05:54:59	Hg	ug/L
460-303664-a-12-a - 1	16468	2.0679	974892HG1	7471B	15 May 2024 05:56:48	Hg	ug/L
460-303792-b-1-c - 1	4167	0.4519	974892HG1	7471B	15 May 2024 05:58:49	Hg	ug/L
460-303793-b-1-c - 1	22782	2.8975	974892HG1	7471B	15 May 2024 06:00:39	Hg	ug/L
460-303797-a-1-a - 1	4808	0.5361	974892HG1	7471B	15 May 2024 06:02:27	Hg	ug/L
460-303797-a-2-a - 1	12407	1.5344	974892HG1	7471B	15 May 2024 06:04:17	Hg	ug/L
CCV - 1	38340	98.8% 4.9414	974892HG1	7471B	15 May 2024 06:06:04	Hg	ug/L
CCB - 1	-71	-0.1049	974892HG1	7471B	15 May 2024 06:07:51	Hg	ug/L
mb 460-974896/1-a - 1	221	-0.0665	974892HG1	7471B	15 May 2024 06:09:51	Hg	ug/L
lcssrm 460-974896/2-a@20 - 1	53123	6.8836	974892HG1	7471B	15 May 2024 06:11:35	Hg	ug/L
460-303611-a-3-a - 1	31321	4.0193	974892HG1	7471B	15 May 2024 06:13:19	Hg	ug/L
460-303611-a-3-b du - 1	30132	3.8631	974892HG1	7471B	15 May 2024 06:15:21	Hg	ug/L
460-303611-a-3-c ms - 1	36103	4.6475	974892HG1	7471B	15 May 2024 06:17:13	Hg	ug/L
460-303611-a-3-d msd - 1	35820	4.6104	974892HG1	7471B	15 May 2024 06:19:07	Hg	ug/L
SD 460-303611-a-3-a@5 - 1	7002	0.8243	974892HG1	7471B	15 May 2024 06:21:03	Hg	ug/L
460-303579-a-8-a - 1	252660	HIGH	974892HG1	7471B	15 May 2024 06:22:58	Hg	ug/L
460-303664-h-11-a - 1	186779	24.4430	974892HG1	7471B	15 May 2024 06:24:27	Hg	ug/L
460-303797-a-3-a - 1	14728	1.8394	974892HG1	7471B	15 May 2024 06:26:38	Hg	ug/L
CCV - 1	38177	98.4% 4.9200	974892HG1	7471B	15 May 2024 06:28:47	Hg	ug/L
CCB - 1	15	-0.0936	974892HG1	7471B	15 May 2024 06:30:34	Hg	ug/L
460-303797-a-4-a - 1	7193	0.8494	974892HG1	7471B	15 May 2024 06:32:34	Hg	ug/L
460-303797-a-5-a - 1	6905	0.8116	974892HG1	7471B	15 May 2024 06:34:19	Hg	ug/L

051524TSS

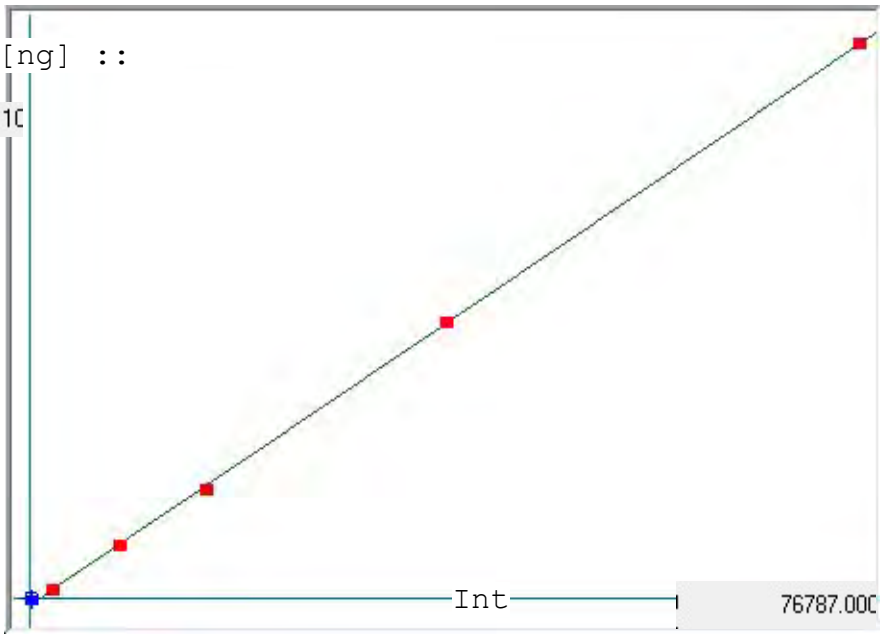
Method: 7471B Operator: Admin Date of Analysis: 15 May 2024 02:05:38

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
460-303797-a-6-a - 1	8550	1.0277	974892HG1	7471B	15 May 2024 06:36:06	Hg	ug/L
460-303824-a-1-a - 1	242958	HIGH	974892HG1	7471B	15 May 2024 06:37:53	Hg	ug/L
460-303570-b-2-a - 1	24784	3.1605	974892HG1	7471B	15 May 2024 06:39:23	Hg	ug/L
460-303570-b-3-a - 1	27415	3.5061	974892HG1	7471B	15 May 2024 06:41:33	Hg	ug/L
460-303570-b-4-a - 1	36781	4.7366	974892HG1	7471B	15 May 2024 06:43:26	Hg	ug/L
460-303570-b-5-a - 1	26843	3.4310	974892HG1	7471B	15 May 2024 06:45:19	Hg	ug/L
460-303570-b-6-a - 1	42286	5.4599	974892HG1	7471B	15 May 2024 06:47:15	Hg	ug/L
460-303570-b-7-a - 1	38880	5.0124	974892HG1	7471B	15 May 2024 06:49:06	Hg	ug/L
CCV - 1	37068	95.5% 4.7743	974892HG1	7471B	15 May 2024 06:51:03	Hg	ug/L
CCB - 1	-6	-0.0964	974892HG1	7471B	15 May 2024 06:52:56	Hg	ug/L
460-303570-b-8-a - 1	44594	5.7631	974892HG1	7471B	15 May 2024 06:54:56	Hg	ug/L
460-303570-b-9-a - 1	54602	7.0779	974892HG1	7471B	15 May 2024 06:56:41	Hg	ug/L
460-303611-a-1-a - 1	130225	17.0131	974892HG1	7471B	15 May 2024 06:58:40	Hg	ug/L
460-303611-a-5-a - 1	50233	6.5039	974892HG1	7471B	15 May 2024 07:00:40	Hg	ug/L
460-303611-a-7-a - 1	301632	39.5321	974892HG1	7471B	15 May 2024 07:02:49	Hg	ug/L
460-303611-a-9-a - 1	1102521	HIGH	974892HG1	7471B	15 May 2024 07:04:50	Hg	ug/L
mb 460-974897/1-a - 1	-1655	-0.3130	974892HG1	7471B	15 May 2024 07:06:43	Hg	ug/L
lcssrm 460-974897/2-a@20 - 1	51794	6.7090	974892HG1	7471B	15 May 2024 07:09:57	Hg	ug/L
460-303630-a-1-a - 1	8171	0.9779	974892HG1	7471B	15 May 2024 07:11:44	Hg	ug/L
460-303630-a-1-b du - 1	8103	0.9690	974892HG1	7471B	15 May 2024 07:13:47	Hg	ug/L
CCV - 1	37420	96.4% 4.8206	974892HG1	7471B	15 May 2024 07:15:34	Hg	ug/L
CCB - 1	-58	-0.1032	974892HG1	7471B	15 May 2024 07:17:21	Hg	ug/L
460-303630-a-1-c ms - 1	14227	1.7735	974892HG1	7471B	15 May 2024 07:19:21	Hg	ug/L
SD 460-303630-a-1-a@5 - 1	2124	0.1835	974892HG1	7471B	15 May 2024 07:21:06	Hg	ug/L
460-303610-b-1-a - 1	1224528	HIGH	974892HG1	7471B	15 May 2024 07:22:57	Hg	ug/L
460-303610-b-2-a - 1	1146815	HIGH	974892HG1	7471B	15 May 2024 07:24:21	Hg	ug/L
460-303610-d-3-a@20 - 1	642793	HIGH	974892HG1	7471B	15 May 2024 07:27:50	Hg	ug/L
460-303610-d-4-a@400 - 1	106987	13.9601	974892HG1	7471B	15 May 2024 07:30:30	Hg	ug/L
460-303610-d-5-a@400 - 1	118303	15.4468	974892HG1	7471B	15 May 2024 07:33:01	Hg	ug/L
460-303610-a-6-a@400 - 1	27735	3.5482	974892HG1	7471B	15 May 2024 07:34:51	Hg	ug/L
460-303610-a-8-a@400 - 1	877	0.0196	974892HG1	7471B	15 May 2024 07:36:44	Hg	ug/L
460-303610-a-10-a@400 - 1	34344	4.4165	974892HG1	7471B	15 May 2024 07:38:32	Hg	ug/L
CCV - 1	39099	100.8% 5.0412	974892HG1	7471B	15 May 2024 07:40:17	Hg	ug/L
CCB - 1	-186	-0.1200	974892HG1	7471B	15 May 2024 07:42:04	Hg	ug/L
460-303676-a-10-f@3 - 1	35822	4.6106	974892HG1	7471B	15 May 2024 07:44:05	Hg	ug/L
460-303676-a-11-f - 1	3497	0.3639	974892HG1	7471B	15 May 2024 07:45:50	Hg	ug/L
460-303664-a-5-a@5 - 1	39842	5.1388	974892HG1	7471B	15 May 2024 07:47:46	Hg	ug/L
460-303664-a-7-a@20 - 1	31256	4.0108	974892HG1	7471B	15 May 2024 07:49:33	Hg	ug/L
460-303664-a-9-a - 1	12729	1.5767	974892HG1	7471B	15 May 2024 07:51:27	Hg	ug/L
460-303664-a-10-a@3 - 1	32665	4.1959	974892HG1	7471B	15 May 2024 07:53:16	Hg	ug/L
460-303664-a-12-a - 1	16716	2.1005	974892HG1	7471B	15 May 2024 07:55:05	Hg	ug/L
460-303579-a-8-a@20 - 1	28788	3.6865	974892HG1	7471B	15 May 2024 07:56:57	Hg	ug/L
460-303664-h-11-a - 1	188005	24.6041	974892HG1	7471B	15 May 2024 07:58:47	Hg	ug/L
460-303824-a-1-a@20 - 1	26015	3.3222	974892HG1	7471B	15 May 2024 08:00:37	Hg	ug/L
CCV - 1	39615	102.2% 5.1089	974892HG1	7471B	15 May 2024 08:02:45	Hg	ug/L
CCB - 1	-18	-0.0979	974892HG1	7471B	15 May 2024 08:04:34	Hg	ug/L
460-303570-b-2-a - 1	24244	3.0895	974892HG1	7471B	15 May 2024 08:06:34	Hg	ug/L
460-303611-a-1-a@3 - 1	49583	6.4185	974892HG1	7471B	15 May 2024 08:08:19	Hg	ug/L
460-303611-a-5-a - 1	50893	6.5906	974892HG1	7471B	15 May 2024 08:10:12	Hg	ug/L
460-303611-a-7-a@10 - 1	40676	5.2483	974892HG1	7471B	15 May 2024 08:12:08	Hg	ug/L
460-303611-a-9-a@1200 - 1	17359	2.1850	974892HG1	7471B	15 May 2024 08:14:08	Hg	ug/L
mb 460-974897/1-a - 1	143	-0.0768	974892HG1	7471B	15 May 2024 08:16:02	Hg	ug/L
460-303610-b-1-a@1200 - 1	31272	4.0129	974892HG1	7471B	15 May 2024 08:17:50	Hg	ug/L
460-303610-b-2-a@1200 - 1	22618	2.8759	974892HG1	7471B	15 May 2024 08:19:36	Hg	ug/L
460-303610-d-3-a@1200 - 1	39407	5.0816	974892HG1	7471B	15 May 2024 08:21:27	Hg	ug/L
460-303610-d-4-a@1200 - 1	36307	4.6743	974892HG1	7471B	15 May 2024 08:23:16	Hg	ug/L
CCV - 1	39673	102.3% 5.1166	974892HG1	7471B	15 May 2024 08:25:10	Hg	ug/L
CCB - 1	-54	-0.1027	974892HG1	7471B	15 May 2024 08:27:00	Hg	ug/L
460-303610-d-5-a@1200 - 1	40022	5.1624	974892HG1	7471B	15 May 2024 08:29:00	Hg	ug/L
460-303610-a-6-a@400 - 1	22409	2.8485	974892HG1	7471B	15 May 2024 08:30:46	Hg	ug/L
460-303610-a-8-a@20 - 1	31971	4.1047	974892HG1	7471B	15 May 2024 08:32:39	Hg	ug/L
460-303664-h-11-a@5 - 1	47871	6.1936	974892HG1	7471B	15 May 2024 08:34:27	Hg	ug/L
460-303824-a-1-a@20 - 1	28840	3.6934	974892HG1	7471B	15 May 2024 08:36:16	Hg	ug/L
CCV - 1	39675	102.3% 5.1168	974892HG1	7471B	15 May 2024 08:38:08	Hg	ug/L
CCB - 1	13	-0.0939	974892HG1	7471B	15 May 2024 08:39:56	Hg	ug/L

7471B

Linear

Max. Hg [ng] ::



A= 0.0000e+000

B= 1.3138e-004

C= -9.5577e-002

Rho= 0.9999363

Accept= Accepted

Accepted Date=

05/15/24 04:12

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.060	-0.060	267	0.000	267				
0.2 ug/L	0.200	0.194	-0.006	2204	0.0 %	2204				
1.0 ug/L	1.000	1.024	0.024	8519	0.0 %	8519				
2.0 ug/L	2.000	2.070	0.070	16481	0.0 %	16481				
5.0 ug/L	5.000	4.981	-0.019	38639	0.0 %	38639				
10.0 ug/L	10.000	9.993	-0.007	76787	0.0 %	76787				

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG No.:

Project: Nepera

Client Sample ID	Lab Sample ID
PL-C-4W-20240508-0.75-3.2	460-303610-1
PL-C-1W-20240508-0.75-4.1	460-303610-2
PL-C-5W-20240508-0.75-7.8	460-303610-3
PL-C-2W-20240508-1.7-7.4	460-303610-4
PL-C-3W-20240508-0.85-3.2	460-303610-5
PL-C-3S-20240508-6.1-6.7	460-303610-6
PL-C-3S-20240508-6.1-8.6	460-303610-7
PL-C-1S-20240508-9.7-10.7	460-303610-8
PL-C-1S-20240508-9.7-14.2	460-303610-9
PL-C-4S-20240508-6.0-6.6	460-303610-10
PL-C-4S-20240508-6.0-9.8	460-303610-11

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PL-C-4W-20240508-0.75-3.2 | Lab Sample ID: 460-303610-1

Lab Name: Eurofins Edison | Job No.: 460-303610-1

SDG ID.:

Matrix: Solid | Date Sampled: 05/08/2024 13:05

Reporting Basis: DRY | Date Received: 05/09/2024 20:00

Preparation Batch Number: | Instrument ID: NC TOC Soil Analyzer

% Solids: 85.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	8400	120	60	mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PL-C-1W-20240508-0.75-4.1
Lab Sample ID: 460-303610-2
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 12:15
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number:
Instrument ID: NC TOC Soil Analyzer
% Solids: 93.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	1500	110	55	mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PL-C-5W-20240508-0.75-7.8
Lab Sample ID: 460-303610-3
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 11:10
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number:
Instrument ID: NC TOC Soil Analyzer
% Solids: 89.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	5500	110	57	mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PL-C-2W-20240508-1.7-7.4
Lab Sample ID: 460-303610-4
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 10:10
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number:
Instrument ID: NC TOC Soil Analyzer
% Solids: 94.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	13000	110	54	mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PL-C-3W-20240508-0.85-3.2
Lab Sample ID: 460-303610-5
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 08:50
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number:
Instrument ID: NC TOC Soil Analyzer
% Solids: 90.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	4500	110	57	mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PL-C-3S-20240508-6.1-8.6
Lab Sample ID: 460-303610-7
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 09:10
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number:
Instrument ID: NC TOC Soil Analyzer
% Solids: 96.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	8300	100	53	mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PL-C-1S-20240508-9.7-14.2
Lab Sample ID: 460-303610-9
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 12:20
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number:
Instrument ID: NC TOC Soil Analyzer
% Solids: 91.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	1200	110	56	mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PL-C-4S-20240508-6.0-9.8
Lab Sample ID: 460-303610-11
Lab Name: Eurofins Edison
Job No.: 460-303610-1
SDG ID.:
Matrix: Solid
Date Sampled: 05/08/2024 13:00
Reporting Basis: DRY
Date Received: 05/09/2024 20:00
Preparation Batch Number:
Instrument ID: NC TOC Soil Analyzer
% Solids: 93.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	8800	110	55	mg/Kg			1	Lloyd Kahn

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Analyst: MMC Batch Start Date: 05/16/2024

Reporting Units: mg/L Analytical Batch No.: 975290

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	10:43	TOC Result 1	10500	10000	105	90-110		wc_1% C_ICV_00002
2	ICB	10:54	TOC Result 1	51				U	
10	CCV	13:01	TOC Result 1	10100	10000	101	90-110		WC_1% C_pri_00006
11	CCB	13:20	TOC Result 1	51				U	
21	CCV	15:07	TOC Result 1	10300	10000	103	90-110		WC_1% C_pri_00006
22	CCB	15:20	TOC Result 1	51				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 975290 Date: 05/16/2024 11:03							
Lloyd Kahn	MB 460-975290/3	TOC Result 1	51	U	mg/Kg	100	1

FORM III-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

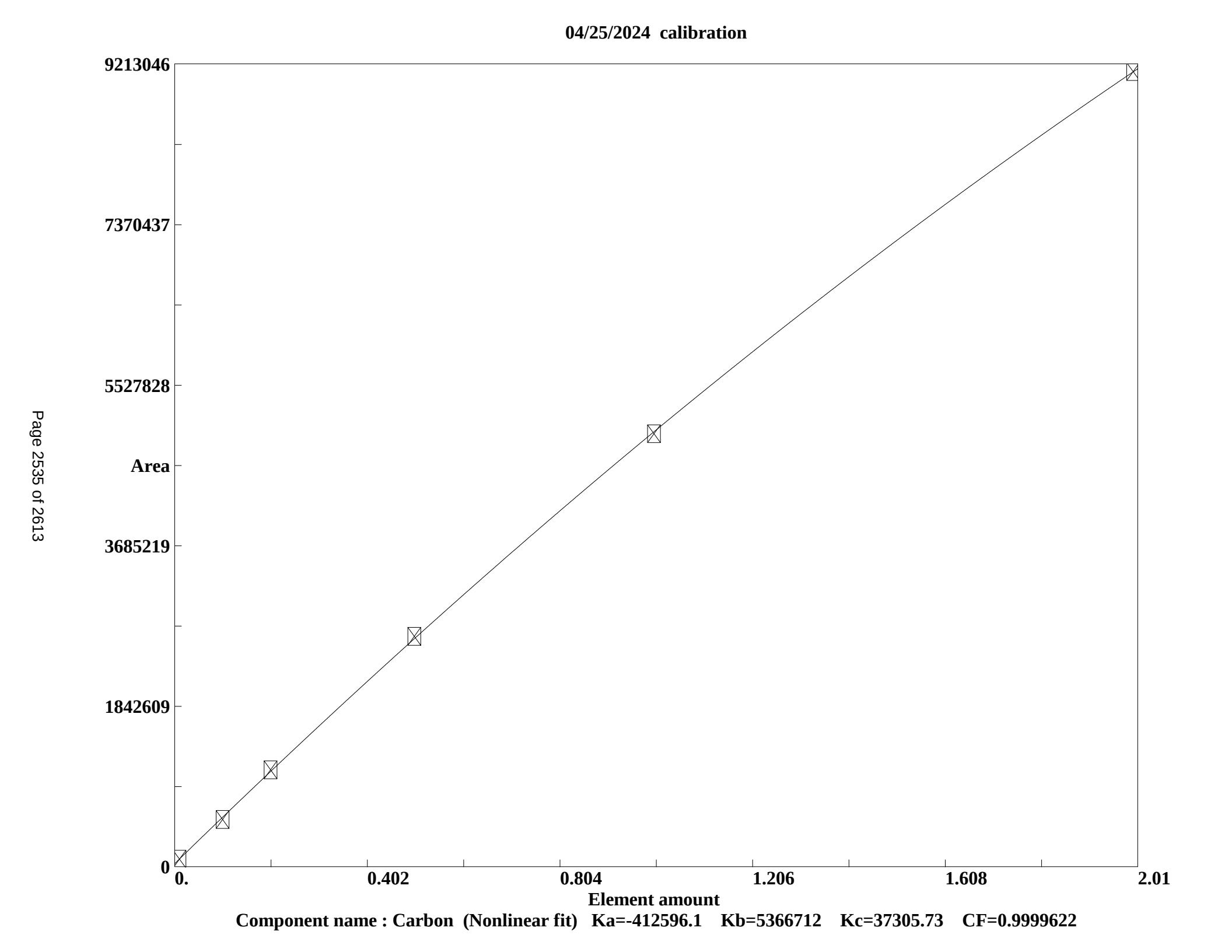
SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 975290	Date: 05/16/2024 11:15										
						LCS Source: WTlktocLCS_00028					
Lloyd Kahn	LCSSRM 460-975290/4	TOC Result 1	14800		mg/Kg	13700	107.8	39.4-17	7.4		

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

FORM VIIA-IN


04/25/2024 calibration
9213046
7370437
5527828
Area
3685219
1842609
0
0.
0.402
0.804
1.206
1.608
2.01
Element amount
Component name : Carbon (Nonlinear fit) Ka=-412596.1 Kb=5366712 Kc=37305.73 CF=0.9999622

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: TOC_Finnigan

Method: Lloyd Kahn MDL Date: 08/11/2023 12:22

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
TOC Result 1		100	51.2

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: TOC_Finnigan

Method: Lloyd Kahn XMDL Date: 07/27/2023 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
TOC Result 1		100	51.2

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-303610-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: TOC_Finnigan Analysis Method: Lloyd Kahn

Start Date: 05/16/2024 10:43 End Date: 05/16/2024 15:20

Lab Sample Id	D/F	Type	Time	Analytes																								
				TOC1																								
ICV 460-975290/1	1		10:43	X																								
ICB 460-975290/2	1		10:54	X																								
MB 460-975290/3	1	T	11:03	X																								
LCSSRM 460-975290/4	1	T	11:15	X																								
ZZZZZZ			11:33																									
ZZZZZZ			11:42																									
ZZZZZZ			12:27																									
ZZZZZZ			12:34																									
ZZZZZZ			12:42																									
CCV 460-975290/10	1		13:01	X																								
CCB 460-975290/11	1		13:20	X																								
ZZZZZZ			13:35																									
460-303610-1	1	T	13:46	X																								
460-303610-2	1	T	13:54	X																								
460-303610-3	1	T	14:02	X																								
460-303610-4	1	T	14:09	X																								
460-303610-5	1	T	14:22	X																								
460-303610-7	1	T	14:30	X																								
460-303610-9	1	T	14:38	X																								
460-303610-11	1	T	14:46	X																								
CCV 460-975290/21	1		15:07	X																								
CCB 460-975290/22	1		15:20	X																								

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 05/13/2024 15:15 End Date: 05/13/2024 20:43

Lab Sample Id	D/F	Type	Time	Analytes																									
				%Sol	Moist																								
ZZZZZZ			15:15																										
ZZZZZZ			15:15																										
ZZZZZZ			15:15																										
460-303610-1	1	T	15:15	X	X																								
460-303610-2	1	T	15:15	X	X																								
460-303610-3	1	T	15:15	X	X																								
460-303610-4	1	T	15:15	X	X																								
460-303610-5	1	T	15:15	X	X																								
460-303610-7	1	T	15:15	X	X																								
460-303610-9	1	T	15:15	X	X																								
460-303610-11	1	T	15:15	X	X																								
ZZZZZZ			15:15																										
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460-303610-6	1	T	15:15	X	X																								
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ZZZZZZ			16:17																										
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FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 05/13/2024 15:15 End Date: 05/13/2024 20:43

Lab Sample Id	D/F	Type	Time	Analytes																								
				% Sol	Moist																							
ZZZZZZ			16:17																									
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460-303610-8	1	T	16:17	X	X																							
460-303610-8 DU	1	T	16:17	X	X																							
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460-303610-10	1	T	16:17	X	X																							
460-303610-10 DU	1	T	16:17	X	X																							
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FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 05/13/2024 15:15 End Date: 05/13/2024 20:43

Lab Sample Id	D/F	Type	Time	Analytes																									
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460-303658-D-3 MS	1	T	16:18	X	X																								
460-303658-D-3 MSD	1	T	16:18	X	X																								
460-303658-D-3 MSS	1	T	16:18	X	X																								
ZZZZZZ			16:18																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 05/13/2024 15:15 End Date: 05/13/2024 20:43

Lab Sample Id	D/F	Type	Time	Analytes																								
				% Sol	Moist																							
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FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 05/13/2024 15:15 End Date: 05/13/2024 20:43

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
ZZZZZZ			17:49	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 05/13/2024 15:15 End Date: 05/13/2024 20:43

Lab Sample Id	D/F	Type	Time	Analytes																								
				% Sol	Moist																							
ZZZZZZ			17:49																									
ZZZZZZ			17:49																									
ZZZZZZ			17:49																									
ZZZZZZ			20:43																									
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Prep Types:
T = Total/NA

FORM XIII-IN

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975290 Batch Start Date: 05/16/24 10:43 Batch Analyst: Crocco, Michael

Batch Method: Lloyd Kahn Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	wc_1% C_ICV 00002	WC_1% C_pri 00006	WTlktocLCS 00028		
ICV 460-975290/1		Lloyd Kahn			100 mg	0.1 mL				
ICB 460-975290/2		Lloyd Kahn			100 mg					
MB 460-975290/3		Lloyd Kahn			100 mg					
LCSSRM 460-975290/4		Lloyd Kahn			95.69 mg			95.69 mg		
CCV 460-975290/10		Lloyd Kahn			100 mg		0.1 mL			
CCB 460-975290/11		Lloyd Kahn			100 mg					
460-303610-D-1	PL-C-4W-20240508-0.75-3.2	Lloyd Kahn	Solid	T	11.08 mg					
460-303610-C-2	PL-C-1W-20240508-0.75-4.1	Lloyd Kahn	Solid	T	12.98 mg					
460-303610-C-3	PL-C-5W-20240508-0.75-7.8	Lloyd Kahn	Solid	T	10.48 mg					
460-303610-C-4	PL-C-2W-20240508-1.7-7.4	Lloyd Kahn	Solid	T	14.31 mg					
460-303610-D-5	PL-C-3W-20240508-0.85-3.2	Lloyd Kahn	Solid	T	12.53 mg					
460-303610-B-7	PL-C-3S-20240508-6.1-8.6	Lloyd Kahn	Solid	T	11.04 mg					
460-303610-B-9	PL-C-1S-20240508-9.7-14.2	Lloyd Kahn	Solid	T	14.06 mg					
460-303610-B-11	PL-C-4S-20240508-6.0-9.8	Lloyd Kahn	Solid	T	12.93 mg					
CCV 460-975290/21		Lloyd Kahn			100 mg		0.1 mL			
CCB 460-975290/22		Lloyd Kahn			100 mg					

Batch Notes	
Acid ID	C3030-24 10% H3PO4 10/09/24
Combustion Catylyst ID	Oven ID TOC-LK 75 Celsius
Pipette/Syringe/Dispenser ID	P 28
Batch Comment	calibration 04/25/24 exp 7/25/24

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 975290 Batch Start Date: 05/16/24 10:43 Batch Analyst: Crocco, Michael

Batch Method: Lloyd Kahn Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974574 Batch Start Date: 05/13/24 15:15 Batch Analyst: Cho, Claudia J

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid
460-303610-A-1	PL-C-4W-20240508-0.75-3.2	Moisture	Solid	T		5.39 g	23.10 g	20.47 g	14.8503670242801 %	85.1496329757199 %
460-303610-A-2	PL-C-1W-20240508-0.75-4.1	Moisture	Solid	T		5.39 g	22.93 g	21.74 g	6.78449258836 94 %	93.2155074116306 %
460-303610-A-3	PL-C-5W-20240508-0.75-7.8	Moisture	Solid	T		5.39 g	27.03 g	24.71 g	10.7208872458 41 %	89.2791127541 59 %
460-303610-A-4	PL-C-2W-20240508-1.7-7.4	Moisture	Solid	T		5.39 g	21.96 g	21.03 g	5.61255280627 64 %	94.3874471937 236 %
460-303610-A-5	PL-C-3W-20240508-0.85-3.2	Moisture	Solid	T		5.39 g	24.31 g	22.47 g	9.72515856236 789 %	90.2748414376 321 %
460-303610-A-7	PL-C-3S-20240508-6.1-8.6	Moisture	Solid	T		5.39 g	27.02 g	26.25 g	3.55987055016 18 %	96.4401294498 382 %
460-303610-A-9	PL-C-1S-20240508-9.7-14.2	Moisture	Solid	T		5.39 g	29.40 g	27.39 g	8.37151187005 411 %	91.6284881299 459 %
460-303610-A-11	PL-C-4S-20240508-6.0-9.8	Moisture	Solid	T		5.39 g	32.64 g	30.83 g	6.64220183486 241 %	93.3577981651 376 %
460-303610-A-6	PL-C-3S-20240508-6.1-6.7	Moisture	Solid	T	1	31.43 g	36.92 g	36.33 g	10.7468123861 566 %	89.2531876138 434 %
460-303610-A-6 DU	PL-C-3S-20240508-6.1-6.7	Moisture		T	4	26.57 g	31.51 g	30.77 g	14.9797570850 203 %	85.0202429149 797 %
460-303610-A-8	PL-C-1S-20240508-9.7-10.7	Moisture	Solid	T	7	29.36 g	34.62 g	33.99 g	11.9771863117 871 %	88.0228136882 129 %
460-303610-A-8 DU	PL-C-1S-20240508-9.7-10.7	Moisture		T	9	31.65 g	36.77 g	36.13 g	12.5 %	87.5 %
460-303610-A-10	PL-C-4S-20240508-6.0-6.6	Moisture	Solid	T	11	26.55 g	31.48 g	30.08 g	28.3975659229209 %	71.6024340770791 %
460-303610-A-10 DU	PL-C-4S-20240508-6.0-6.6	Moisture		T	12	24.74 g	29.44 g	28.40 g	22.1276595744681 %	77.8723404255319 %
460-303658-D-3 MS		Moisture		T		5.39 g	19.42 g	18.70 g	5.13186029935849 %	94.8681397006415 %
460-303658-D-3 MSD		Moisture		T		5.39 g	19.42 g	18.70 g	5.13186029935849 %	94.8681397006415 %
460-303658-D-3 MSS		Moisture		T		5.39 g	19.42 g	18.70 g	5.13186029935849 %	94.8681397006415 %

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-303610-1

SDG No.:

Batch Number: 974574 Batch Start Date: 05/13/24 15:15 Batch Analyst: Cho, Claudia J

Batch Method: Moisture Batch End Date:

Batch Notes	
Balance ID	106
Oven ID	dm3250
Thermometer ID	100
Date samples were placed in the oven	05/13/2024
Temperature - Start - Uncorrected	100 Degrees C
Oven Temp In	100 Degrees C
Date samples were removed from oven	05/13/2024
Temperature - End - Uncorrected	100 Degrees C
Oven Temp Out	100 Degrees C
Batch Comment	microwave

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.

Eager 300 Report

Page: 1 Sample: Blank (240425002)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240425002
Operator ID : Company Name :
Analysed : 04/25/2024 10:39 Printed : 5/16/2024 15:41
Sample ID : Blank (# 2)
Instrument N. : Instrument #1
Analysis Type : Blank (Area) Sample weight :---

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	228	44277	RS	1.000000
Totals	0.0000		44277		

Eager 300 Report

Page: 1 Sample: STD 1 (0.01mg C) 11703777 (240425003)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240425003
Operator ID : Company Name :
Analysed : 04/25/2024 10:48 Printed : 5/16/2024 15:41
Sample ID : STD 1 (0.01mg C) 11703777 (# 3)
Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0100	224	88973	RS	1.000000	
Totals	0.0100		88973			

Eager 300 Report

Page: 1 Sample: Bypass (240425001)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240425001
Operator ID : Company Name :
Analysed : 04/25/2024 10:26 Printed : 5/16/2024 15:41
Sample ID : Bypass (# 1)
Instrument N. : Instrument #1
Analysis Type : By-Pass (Area) Sample weight :---

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio
Nitrogen	0.0000	113	184207	RS	18.027250
Carbon	0.0000	218	3320747	RS	1.000000
Totals	0.0000		3504954		

Eager 300 Report

Page: 1 Sample: STD 2 (0.10mg C) 11703776 (240425004)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240425004
Operator ID : Company Name :
Analysed : 04/25/2024 11:00 Printed : 5/16/2024 15:41
Sample ID : STD 2 (0.10mg C) 11703776 (# 4)
Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1000	222	544152	RS	1.000000	
Totals	0.1000		544152			

Eager 300 Report

Page: 1 Sample: STD 3 (0.2mg C) 11703776 (240425005)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240425005
Operator ID : Company Name :
Analysed : 04/25/2024 11:08 Printed : 5/16/2024 15:41
Sample ID : STD 3 (0.2mg C) 11703776 (# 5)
Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 200

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1000	224	1113349	RS	1.000000	
Totals	0.1000		1113349			

Eager 300 Report

Page: 1 Sample: STD 4 (0.5mg C) 11703764 (240425006)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240425006
Operator ID : Company Name :
Analysed : 04/25/2024 11:16 Printed : 5/16/2024 15:41
Sample ID : STD 4 (0.5mg C) 11703764 (# 6)
Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 50

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	221	2644378	RS	1.000000	
Totals	1.0000		2644378			

Eager 300 Report

Page: 1 Sample: STD 5 (1mg C) 11703764 (240425007)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240425007
Operator ID : Company Name :
Analysed : 04/25/2024 11:23 Printed : 5/16/2024 15:41
Sample ID : STD 5 (1mg C) 11703764 (# 7)
Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	214	4969278	RS	1.000000	
Totals	1.0000		4969278			

Eager 300 Report

Page: 1 Sample: STD 6 (2mg C) 11703764 (240425008)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240425008
Operator ID : Company Name :
Analysed : 04/25/2024 11:31 Printed : 5/16/2024 15:41
Sample ID : STD 6 (2mg C) 11703764 (# 8)
Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 200

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	205	9124073	RS	1.000000	
Totals	1.0000		9124073			

Eager 300 Report

Page: 1 Sample: ICV (240516001)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516001
Operator ID : Company Name :
Analysed : 05/16/2024 10:43 Printed : 5/16/2024 15:41
Sample ID : ICV (# 9)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0533	214	5232298	RS	1.000000	
Totals	1.0533		5232298			

Eager 300 Report

Page: 1 Sample: ICB (240516002)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516002
Operator ID : Company Name :
Analysed : 05/16/2024 10:54 Printed : 5/16/2024 15:41
Sample ID : ICB (# 10)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.6200850E-03	221	45999	RS	1.000000	
Totals	1.6200850E-03		45999			

Eager 300 Report

Page: 1 Sample: MB (240516003)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516003
Operator ID : Company Name :
Analysed : 05/16/2024 11:03 Printed : 5/16/2024 15:41
Sample ID : MB (# 11)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0000	219	35747	RS	1.000000	
Totals	0.0000		35747			

Eager 300 Report

Page: 1 Sample: LCSSRM (240516004)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516004
Operator ID : Company Name :
Analysed : 05/16/2024 11:15 Printed : 5/16/2024 15:41
Sample ID : LCSSRM (# 12)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 95.69

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	114	80415	RS	84.498240	
Carbon	1.4762	206	6794884	RS	1.000000	
Totals	1.4762		6875298			

Eager 300 Report

Page: 1 Sample: x460-303611-B-2 (240516005)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516005
Operator ID : Company Name :
Analysed : 05/16/2024 11:33 Printed : 5/16/2024 15:41
Sample ID : x460-303611-B-2 (# 13)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 14.37

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	110	17267	RS	41.461570	
Carbon	0.8887	217	715917	RS	1.000000	
Totals	0.8887		733184			

Eager 300 Report

Page: 1 Sample: 460-303611-B-2 (240516006)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516006
Operator ID : Company Name :
Analysed : 05/16/2024 11:42 Printed : 5/16/2024 15:41
Sample ID : 460-303611-B-2 (# 14)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 13.06

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	110	42567	RS	41.619710	
Carbon	2.5392	215	1771626	RS	1.000000	
Totals	2.5392		1814193			

Eager 300 Report

Page: 1 Sample: 460-303611-B-2 DUP (240516007)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516007
Operator ID : Company Name :
Analysed : 05/16/2024 11:51 Printed : 5/16/2024 15:41
Sample ID : 460-303611-B-2 DUP (# 15)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.79

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	110	41022	RS	39.723660	
Carbon	2.8154	217	1629544	RS	1.000000	
Totals	2.8154		1670566			

Eager 300 Report

Page: 1 Sample: 460-303611-B-2 DUP (240516008)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516008
Operator ID : Company Name :
Analysed : 05/16/2024 12:02 Printed : 5/16/2024 15:41
Sample ID : 460-303611-B-2 DUP (# 16)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 14.44

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	98	51702	RS	30.667590	
Carbon	2.0443	200	1585576	RS	1.000000	
Totals	2.0443		1637278			

Eager 300 Report

Page: 1 Sample: 460-303611-B-2 DUP (240516009)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516009
Operator ID : Company Name :
Analysed : 05/16/2024 12:11 Printed : 5/16/2024 15:41
Sample ID : 460-303611-B-2 DUP (# 17)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 13.32

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	98	43174	RS	39.473980	
Carbon	2.3904	197	1704250	RS	1.000000	
Totals	2.3904		1747424			

Eager 300 Report

Page: 1 Sample: 460-303611-B-4 (240516010)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516010
Operator ID : Company Name :
Analysed : 05/16/2024 12:27 Printed : 5/16/2024 15:41
Sample ID : 460-303611-B-4 (# 18)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 13.57

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3512	196	1007482	RS	1.000000	
Totals	1.3512		1007482			

Eager 300 Report

Page: 1 Sample: 460-303611-B-6 (240516011)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516011
Operator ID : Company Name :
Analysed : 05/16/2024 12:34 Printed : 5/16/2024 15:41
Sample ID : 460-303611-B-6 (# 19)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.05

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8879	200	512930	RS	1.000000	
Totals	0.8879		512930			

Eager 300 Report

Page: 1 Sample: 460-303611-B-8 (240516012)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516012
Operator ID : Company Name :
Analysed : 05/16/2024 12:42 Printed : 5/16/2024 15:42
Sample ID : 460-303611-B-8 (# 20)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 12.67

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	110	17294	RS	50.032610	
Carbon	1.2324	221	865264	RS	1.000000	
Totals	1.2324		882558			

Eager 300 Report

Page: 1 Sample: CCV (240516013)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516013
Operator ID : Company Name :
Analysed : 05/16/2024 13:01 Printed : 5/16/2024 15:42
Sample ID : CCV (# 21)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0074	206	5025228	RS	1.000000	
Totals	1.0074		5025228			

Eager 300 Report

Page: 1 Sample: CCB (240516014)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516014
Operator ID : Company Name :
Analysed : 05/16/2024 13:20 Printed : 5/16/2024 15:42
Sample ID : CCB (# 22)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0000	200	27188	RS	1.000000	
Totals	0.0000		27188			

Eager 300 Report

Page: 1 Sample: 460-303611-B-10 (240516015)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516015
Operator ID : Company Name :
Analysed : 05/16/2024 13:35 Printed : 5/16/2024 15:42
Sample ID : 460-303611-B-10 (# 23)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.62

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	110	114967	RS	18.850620	
Carbon	3.8586	214	2167200	RS	1.000000	
Totals	3.8586		2282167			

Eager 300 Report

Page: 1 Sample: 460-303610-D-1 (240516016)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516016
Operator ID : Company Name :
Analysed : 05/16/2024 13:46 Printed : 5/16/2024 15:42
Sample ID : 460-303610-D-1 (# 24)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 11.08

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7118	204	457969	RS	1.000000	
Totals	0.7118		457969			

Eager 300 Report

Page: 1 Sample: 460-303610-C-2 (240516017)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516017
Operator ID : Company Name :
Analysed : 05/16/2024 13:54 Printed : 5/16/2024 15:42
Sample ID : 460-303610-C-2 (# 25)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 12.98

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1396	200	134436	RS	1.000000	
Totals	0.1396		134436			

Eager 300 Report

Page: 1 Sample: 460-303610-C-3 (240516018)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516018
Operator ID : Company Name :
Analysed : 05/16/2024 14:02 Printed : 5/16/2024 15:42
Sample ID : 460-303610-C-3 (# 26)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.48

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.4876	232	310482	RS	1.000000	
Totals	0.4876		310482			

Eager 300 Report

Page: 1 Sample: 460-303610-C-4 (240516019)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516019
Operator ID : Company Name :
Analysed : 05/16/2024 14:09 Printed : 5/16/2024 15:42
Sample ID : 460-303610-C-4 (# 27)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 14.31

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.1976	218	944949	RS	1.000000	
Totals	1.1976		944949			

Eager 300 Report

Page: 1 Sample: 460-303610-D-5 (240516020)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516020
Operator ID : Company Name :
Analysed : 05/16/2024 14:22 Printed : 5/16/2024 15:42
Sample ID : 460-303610-D-5 (# 28)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 12.53

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.4023	223	306807	RS	1.000000	
Totals	0.4023		306807			

Eager 300 Report

Page: 1 Sample: 460-303610-B-7 (240516021)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516021
Operator ID : Company Name :
Analysed : 05/16/2024 14:30 Printed : 5/16/2024 15:42
Sample ID : 460-303610-B-7 (# 29)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 11.04

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	109	17434	RS	29.033410	
Carbon	0.7967	218	506154	RS	1.000000	
Totals	0.7967		523588			

Eager 300 Report

Page: 1 Sample: 460-303610-B-9 (240516022)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516022
Operator ID : Company Name :
Analysed : 05/16/2024 14:38 Printed : 5/16/2024 15:42
Sample ID : 460-303610-B-9 (# 30)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 14.06

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1144	219	123545	RS	1.000000	
Totals	0.1144		123545			

Eager 300 Report

Page: 1 Sample: 460-303610-B-11 (240516023)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516023
Operator ID : Company Name :
Analysed : 05/16/2024 14:46 Printed : 5/16/2024 15:42
Sample ID : 460-303610-B-11 (# 31)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 12.93

Calib. method : using 'Least Squares to NonLinear fit'

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.0000	111	19436	RS	30.939260	
Carbon	0.8195	218	601336	RS	1.000000	
Totals	0.8195		620772			

Eager 300 Report

Page: 1 Sample: CCV (240516024)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516024
Operator ID : Company Name :
Analysed : 05/16/2024 15:07 Printed : 5/16/2024 15:42
Sample ID : CCV (# 32)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0270	209	5113940	RS	1.000000	
Totals	1.0270		5113940			

Eager 300 Report

Page: 1 Sample: CCB (240516025)

Method Name : NC-SOIL
Method File : C:\Users\editocf\Desktop\2021 DATA\240516.mth
Chromatogram : 240516025
Operator ID : Company Name :
Analysed : 05/16/2024 15:20 Printed : 5/16/2024 15:42
Sample ID : CCB (# 33)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to NonLinear fit'

!!! Warning missing one or more peaks.

Element Name	%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0000	219	24638	RS	1.000000	
Totals	0.0000		24638			

TOTAL ORGANIC CARBON

Matrix: SOLID **Lab Sample No.: 303611-2**

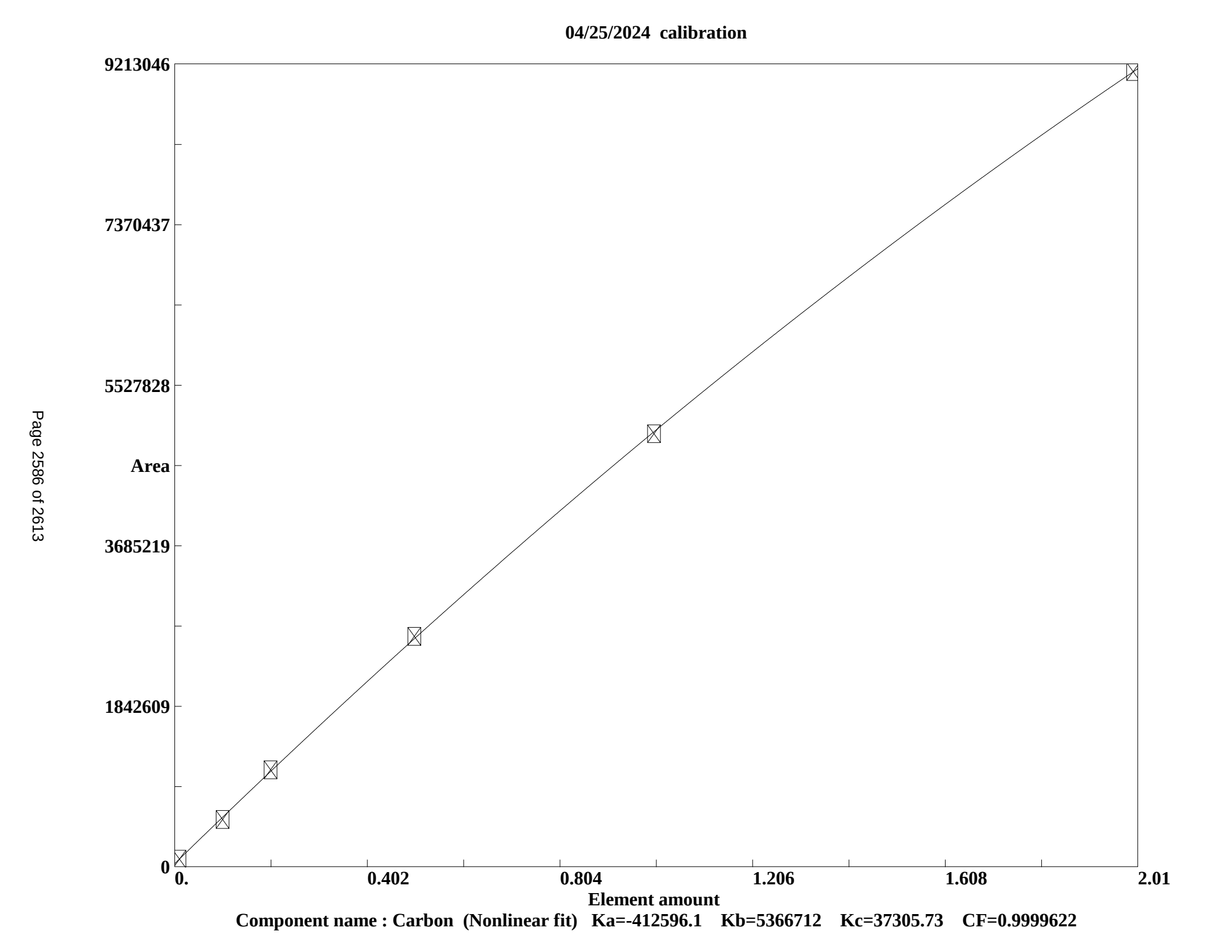
QA Batch No: 975290 **Lab Job No.: 303611**

Sample Replicates				
#1 (mg/kg)	#2 (mg/kg)	#3 (mg/kg)	#4 (mg/kg)	AVG (mg/kg)
28000	31000	22000	26000	26750

Standard Deviation	**%RSD**	Control Limits
3774.92	14.11	40

Summary Results

	Sample name	Filename	Inj Date	Inj Time	Type	Weight (mg)	Carbon
1	Bypass	240425001	04/25/2024	10:26	By-Pass		0
2	Blank	240425002	04/25/2024	10:39	Blank		0
3	STD 1 (0.01mg C) 11703777	240425003	04/25/2024	10:48	STD	100	0.009999999776
4	STD 2 (0.10mg C) 11703776	240425004	04/25/2024	11:00	STD	100	0.1000000015
5	STD 3 (0.2mg C) 11703776	240425005	04/25/2024	11:08	STD	200	0.1000000015
6	STD 4 (0.5mg C) 11703764	240425006	04/25/2024	11:16	STD	50	1
7	STD 5 (1mg C) 11703764	240425007	04/25/2024	11:23	STD	100	1
8	STD 6 (2mg C) 11703764	240425008	04/25/2024	11:31	STD	200	1
9	ICV	240516001	05/16/2024	10:43	UNK	100	1.053296685
10	ICB	240516002	05/16/2024	10:54	UNK	100	0.001620085328
11	MB	240516003	05/16/2024	11:03	UNK	100	0
12	LCSSRM	240516004	05/16/2024	11:15	UNK	95.69	1.476193309
13	x460-303611-B-2	240516005	05/16/2024	11:33	UNK	14.37	0.888671577
14	460-303611-B-2	240516006	05/16/2024	11:42	UNK	13.06	2.539180994
15	460-303611-B-2 DUP	240516007	05/16/2024	11:51	UNK	10.79	2.815410376
16	460-303611-B-2 DUP	240516008	05/16/2024	12:02	UNK	14.44	2.044282675
17	460-303611-B-2 DUP	240516009	05/16/2024	12:11	UNK	13.32	2.39040637
18	460-303611-B-4	240516010	05/16/2024	12:27	UNK	13.57	1.351227283
19	460-303611-B-6	240516011	05/16/2024	12:34	UNK	10.05	0.8879314661
20	460-303611-B-8	240516012	05/16/2024	12:42	UNK	12.67	1.232447863
21	CCV	240516013	05/16/2024	13:01	UNK	100	1.007449031
22	CCB	240516014	05/16/2024	13:20	UNK	100	0
23	460-303611-B-10	240516015	05/16/2024	13:35	UNK	10.62	3.858580589
24	460-303610-D-1	240516016	05/16/2024	13:46	UNK	11.08	0.7117511034
25	460-303610-C-2	240516017	05/16/2024	13:54	UNK	12.98	0.1396301538
26	460-303610-C-3	240516018	05/16/2024	14:02	UNK	10.48	0.4876226485
27	460-303610-C-4	240516019	05/16/2024	14:09	UNK	14.31	1.197642446
28	460-303610-D-5	240516020	05/16/2024	14:22	UNK	12.53	0.4023360908
29	460-303610-B-7	240516021	05/16/2024	14:30	UNK	11.04	0.7967136502
30	460-303610-B-9	240516022	05/16/2024	14:38	UNK	14.06	0.1144327149
31	460-303610-B-11	240516023	05/16/2024	14:46	UNK	12.93	0.8194974661
32	CCV	240516024	05/16/2024	15:07	UNK	100	1.027043939
33	CCB	240516025	05/16/2024	15:20	UNK	100	0


04/25/2024 calibration
9213046
7370437
5527828
Area
3685219
1842609
0
0.
0.402
0.804
1.206
1.608
2.01
Element amount
Component name : Carbon (Nonlinear fit) Ka=-412596.1 Kb=5366712 Kc=37305.73 CF=0.9999622

General Chemistry Raw Data Report

Job ID: 460-303610-1

Batch: 974574
Method: Moisture

Analyst Initials: CJC
Instrument: No Equipment

Lab Sample ID: 460-303610-A-1

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	14.8503670242801	%
Percent Solids	None	1	85.1496329757199	%

Lab Sample ID: 460-303610-A-2

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	6.7844925883694	%
Percent Solids	None	1	93.2155074116306	%

Lab Sample ID: 460-303610-A-3

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.720887245841	%
Percent Solids	None	1	89.279112754159	%

Lab Sample ID: 460-303610-A-4

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	5.6125528062764	%
Percent Solids	None	1	94.3874471937236	%

Lab Sample ID: 460-303610-A-5

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	9.72515856236789	%
Percent Solids	None	1	90.2748414376321	%

Lab Sample ID: 460-303610-A-7

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	3.5598705501618	%
Percent Solids	None	1	96.4401294498382	%

Lab Sample ID: 460-303610-A-9

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	8.37151187005411	%
Percent Solids	None	1	91.6284881299459	%

Lab Sample ID: 460-303610-A-11

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	6.64220183486241	%
Percent Solids	None	1	93.3577981651376	%

Lab Sample ID: 460-303610-A-6

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.7468123861566	%
Percent Solids	None	1	89.2531876138434	%

Batch: 974574 (Continued)
Method: Moisture

Analyst Initials: CJC
Instrument: No Equipment

Lab Sample ID: 460-303610-A-6 DU

Analysis Date: May 13, 2024 15:15

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	14.9797570850203	%
Percent Solids	None	1	85.0202429149797	%

Lab Sample ID: 460-303610-A-8

Analysis Date: May 13, 2024 16:17

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	11.9771863117871	%
Percent Solids	None	1	88.0228136882129	%

Lab Sample ID: 460-303610-A-8 DU

Analysis Date: May 13, 2024 16:17

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	12.5	%
Percent Solids	None	1	87.5	%

Lab Sample ID: 460-303610-A-10

Analysis Date: May 13, 2024 16:17

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	28.3975659229209	%
Percent Solids	None	1	71.6024340770791	%

Lab Sample ID: 460-303610-A-10 DU

Analysis Date: May 13, 2024 16:17

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	22.1276595744681	%
Percent Solids	None	1	77.8723404255319	%

Lab Sample ID: 460-303658-D-3 MS

Analysis Date: May 13, 2024 16:18

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	5.13186029935849	%
Percent Solids	None	1	94.8681397006415	%

Lab Sample ID: 460-303658-D-3 MSD

Analysis Date: May 13, 2024 16:18

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	5.13186029935849	%
Percent Solids	None	1	94.8681397006415	%

Lab Sample ID: 460-303658-D-3 MSS

Analysis Date: May 13, 2024 16:18

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	5.13186029935849	%
Percent Solids	None	1	94.8681397006415	%

COVER PAGE
GEOTECHNICAL

Lab Name: Eurofins Burlington Job Number: 460-303610-1

SDG No.:

Project: Nepera

Client Sample ID	Lab Sample ID
PL-C-4W-20240508-0.75-3.2	460-303610-1
PL-C-1W-20240508-0.75-4.1	460-303610-2
PL-C-5W-20240508-0.75-7.8	460-303610-3
PL-C-2W-20240508-1.7-7.4	460-303610-4
PL-C-3W-20240508-0.85-3.2	460-303610-5
PL-C-3S-20240508-6.1-8.6	460-303610-7
PL-C-1S-20240508-9.7-14.2	460-303610-9
PL-C-4S-20240508-6.0-9.8	460-303610-11

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GEOTECHNICAL

Client Sample ID: PL-C-4W-20240508-0.75-3.2 Lab Sample ID: 460-303610-1

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 13:05

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: Instrument ID: D422 import

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Gravel	1.0			%			1	D422
	Sand	29.8			%			1	D422
	Coarse Sand	3.6			%			1	D422
	Medium Sand	4.5			%			1	D422
	Fine Sand	21.7			%			1	D422
	Silt	60.3			%			1	D422
	Clay	8.9			%			1	D422
	Liquid Limit	0			NONE			1	D4318
	Plastic Limit	0			NONE			1	D4318
	Plasticity Index	NP			NONE			1	D4318
	Specific Gravity	3.19			NONE			1	D854
	Specific Gravity at 20 deg Celsius	3.19			NONE			1	D854

1B-IN
INORGANIC ANALYSIS DATA SHEET
GEOTECHNICAL

Client Sample ID: PL-C-1W-20240508-0.75-4.1 Lab Sample ID: 460-303610-2

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 12:15

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: Instrument ID: D422 import

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Gravel	0.3			%			1	D422
	Sand	15.6			%			1	D422
	Coarse Sand	1.4			%			1	D422
	Medium Sand	1.2			%			1	D422
	Fine Sand	13.0			%			1	D422
	Silt	76.5			%			1	D422
	Clay	7.6			%			1	D422
	Liquid Limit	0			NONE			1	D4318
	Plastic Limit	0			NONE			1	D4318
	Plasticity Index	NP			NONE			1	D4318
	Specific Gravity	3.24			NONE			1	D854
	Specific Gravity at 20 deg Celsius	3.24			NONE			1	D854

1B-IN
INORGANIC ANALYSIS DATA SHEET
GEOTECHNICAL

Client Sample ID: PL-C-5W-20240508-0.75-7.8 | Lab Sample ID: 460-303610-3

Lab Name: Eurofins Burlington | Job No.: 460-303610-1

SDG ID.:

Matrix: Solid | Date Sampled: 05/08/2024 11:10

Reporting Basis: WET | Date Received: 05/09/2024 20:00

Preparation Batch Number: | Instrument ID: D422 import

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Gravel	0.7			%			1	D422
	Sand	20.8			%			1	D422
	Coarse Sand	0.6			%			1	D422
	Medium Sand	1.3			%			1	D422
	Fine Sand	18.9			%			1	D422
	Silt	69.5			%			1	D422
	Clay	9.0			%			1	D422
	Liquid Limit	0			NONE			1	D4318
	Plastic Limit	0			NONE			1	D4318
	Plasticity Index	NP			NONE			1	D4318
	Specific Gravity	2.57			NONE			1	D854
	Specific Gravity at 20 deg Celsius	2.57			NONE			1	D854

1B-IN
INORGANIC ANALYSIS DATA SHEET
GEOTECHNICAL

Client Sample ID: PL-C-2W-20240508-1.7-7.4 Lab Sample ID: 460-303610-4

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 10:10

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: Instrument ID: D422 import

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Gravel	1.4			%			1	D422
	Sand	8.6			%			1	D422
	Coarse Sand	2.1			%			1	D422
	Medium Sand	2.1			%			1	D422
	Fine Sand	4.4			%			1	D422
	Silt	83.3			%			1	D422
	Clay	6.7			%			1	D422
	Liquid Limit	0			NONE			1	D4318
	Plastic Limit	0			NONE			1	D4318
	Plasticity Index	NP			NONE			1	D4318
	Specific Gravity	2.99			NONE			1	D854
	Specific Gravity at 20 deg Celsius	2.99			NONE			1	D854

1B-IN
INORGANIC ANALYSIS DATA SHEET
GEOTECHNICAL

Client Sample ID: PL-C-3W-20240508-0.85-3.2 | Lab Sample ID: 460-303610-5

Lab Name: Eurofins Burlington | Job No.: 460-303610-1

SDG ID.:

Matrix: Solid | Date Sampled: 05/08/2024 08:50

Reporting Basis: WET | Date Received: 05/09/2024 20:00

Preparation Batch Number: | Instrument ID: D422 import

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Gravel	0.0			%			1	D422
	Sand	7.1			%			1	D422
	Coarse Sand	0.5			%			1	D422
	Medium Sand	1.1			%			1	D422
	Fine Sand	5.5			%			1	D422
	Silt	84.3			%			1	D422
	Clay	8.7			%			1	D422
	Liquid Limit	0			NONE			1	D4318
	Plastic Limit	0			NONE			1	D4318
	Plasticity Index	NP			NONE			1	D4318
	Specific Gravity	3.34			NONE			1	D854
	Specific Gravity at 20 deg Celsius	3.34			NONE			1	D854

1B-IN
INORGANIC ANALYSIS DATA SHEET
GEOTECHNICAL

Client Sample ID: PL-C-3S-20240508-6.1-8.6 Lab Sample ID: 460-303610-7

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 09:10

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: Instrument ID: D422 import

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Gravel	42.7			%			1	D422
	Sand	30.1			%			1	D422
	Coarse Sand	8.4			%			1	D422
	Medium Sand	7.6			%			1	D422
	Fine Sand	14.1			%			1	D422
	Silt	18.4			%			1	D422
	Clay	8.8			%			1	D422
	Liquid Limit	27			NONE			1	D4318
	Plastic Limit	20			NONE			1	D4318
	Plasticity Index	7			NONE			1	D4318
	Specific Gravity	2.70			NONE			1	D854
	Specific Gravity at 20 deg Celsius	2.70			NONE			1	D854

1B-IN
INORGANIC ANALYSIS DATA SHEET
GEOTECHNICAL

Client Sample ID: PL-C-1S-20240508-9.7-14.2 Lab Sample ID: 460-303610-9

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 12:20

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: Instrument ID: D422 import

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Gravel	44.8			%			1	D422
	Sand	40.3			%			1	D422
	Coarse Sand	12.6			%			1	D422
	Medium Sand	11.3			%			1	D422
	Fine Sand	16.4			%			1	D422
	Silt	5.5			%			1	D422
	Clay	9.4			%			1	D422
	Liquid Limit	39			NONE			1	D4318
	Plastic Limit	27			NONE			1	D4318
	Plasticity Index	12			NONE			1	D4318
	Specific Gravity	2.69			NONE			1	D854
	Specific Gravity at 20 deg Celsius	2.69			NONE			1	D854

1B-IN
INORGANIC ANALYSIS DATA SHEET
GEOTECHNICAL

Client Sample ID: PL-C-4S-20240508-6.0-9.8 Lab Sample ID: 460-303610-11

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG ID.:

Matrix: Solid Date Sampled: 05/08/2024 13:00

Reporting Basis: WET Date Received: 05/09/2024 20:00

Preparation Batch Number: Instrument ID: D422 import

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Gravel	5.6			%			1	D422
	Sand	29.6			%			1	D422
	Coarse Sand	3.6			%			1	D422
	Medium Sand	6.3			%			1	D422
	Fine Sand	19.7			%			1	D422
	Silt	55.3			%			1	D422
	Clay	9.5			%			1	D422
	Liquid Limit	34			NONE			1	D4318
	Plastic Limit	24			NONE			1	D4318
	Plasticity Index	10			NONE			1	D4318
	Specific Gravity	2.74			NONE			1	D854
	Specific Gravity at 20 deg Celsius	2.74			NONE			1	D854

GEOTECHNICAL BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG No.:

Batch Number: 204748 Batch Start Date: 05/17/24 16:59 Batch Analyst: Peterson, Mark A

Batch Method: D422 Batch End Date: 06/03/24 17:04

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	AnalysisComment				
460-303610-F-1	PL-C-4W-20240508-0.75-3.2	D422	Solid	T	93.67 g	SEE-SAMPLE-DATASHEETS				
460-303610-H-2	PL-C-1W-20240508-0.75-4.1	D422	Solid	T	146.4 g	SEE-SAMPLE-DATASHEETS				
460-303610-G-3	PL-C-5W-20240508-0.75-7.8	D422	Solid	T	129.94 g	SEE-SAMPLE-DATASHEETS				
460-303610-F-4	PL-C-2W-20240508-1.7-7.4	D422	Solid	T	115.52 g	SEE-SAMPLE-DATASHEETS				
460-303610-F-5	PL-C-3W-20240508-0.85-3.2	D422	Solid	T	129.83 g	SEE-SAMPLE-DATASHEETS				
460-303610-C-7	PL-C-3S-20240508-6.1-8.6	D422	Solid	T	166.78 g	SEE-SAMPLE-DATASHEETS				
460-303610-E-9	PL-C-1S-20240508-9.7-14.2	D422	Solid	T	124.1 g	SEE-SAMPLE-DATASHEETS				
460-303610-C-11	PL-C-4S-20240508-6.0-9.8	D422	Solid	T	88.09 g	SEE-SAMPLE-DATASHEETS				

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.

GEOTECHNICAL BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG No.:

Batch Number: 204265 Batch Start Date: 05/17/24 15:44 Batch Analyst: Peterson, Mark A

Batch Method: D4318 Batch End Date: 07/16/24 14:50

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ClosureBlows1	Pan1	PanWt1	PanSampWet1	PanSampDry1	WaterContentLL1
460-303610-F-1	PL-C-4W-20240508-0.75-3.2	D4318	Solid	T						
460-303610-F-4	PL-C-2W-20240508-1.7-7.4	D4318	Solid	T						
460-303610-C-7	PL-C-3S-20240508-6.1-8.6	D4318	Solid	T	16 No Unit	1	0.99 g	13.64 g	10.90 g	27.648839556004 %
460-303610-C-9	PL-C-1S-20240508-9.7-14.2	D4318	Solid	T	20 No Unit	1	0.99 g	11.71 g	8.65 g	39.9477806788512 %
460-303610-C-11	PL-C-4S-20240508-6.0-9.8	D4318	Solid	T	16 No Unit	1	0.98 g	13.09 g	9.90 g	35.762331838565 %

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ClosureBlows2	Pan2	PanWt2	PanSampWet2	PanSampDry2	WaterContentLL2
460-303610-F-1	PL-C-4W-20240508-0.75-3.2	D4318	Solid	T						
460-303610-F-4	PL-C-2W-20240508-1.7-7.4	D4318	Solid	T						
460-303610-C-7	PL-C-3S-20240508-6.1-8.6	D4318	Solid	T	26 No Unit	2	0.99 g	10.95 g	8.85 g	26.7175572519084 %
460-303610-C-9	PL-C-1S-20240508-9.7-14.2	D4318	Solid	T	27 No Unit	2	0.99 g	10.83 g	8.07 g	38.9830508474576 %
460-303610-C-11	PL-C-4S-20240508-6.0-9.8	D4318	Solid	T	23 No Unit	2	0.99 g	11.91 g	9.15 g	33.8235294117647 %

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ClosureBlows3	Pan3	PanWt3	PanSampWet3	PanSampDry3	WaterContentLL3
460-303610-F-1	PL-C-4W-20240508-0.75-3.2	D4318	Solid	T						
460-303610-F-4	PL-C-2W-20240508-1.7-7.4	D4318	Solid	T						
460-303610-C-7	PL-C-3S-20240508-6.1-8.6	D4318	Solid	T	30 No Unit	3	0.98 g	12.66 g	10.26 g	25.8620689655172 %
460-303610-C-9	PL-C-1S-20240508-9.7-14.2	D4318	Solid	T	35 No Unit	3	0.98 g	11.77 g	8.81 g	37.8033205619413 %
460-303610-C-11	PL-C-4S-20240508-6.0-9.8	D4318	Solid	T	30 No Unit	3	0.98 g	11.44 g	8.86 g	32.741116751269 %

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	Pan1P	PanWt1Plast	PanSampWet1P	PanSampDry1P	WaterContentPL1	Pan2P

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.

GEOTECHNICAL BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG No.:

Batch Number: 204265 Batch Start Date: 05/17/24 15:44 Batch Analyst: Peterson, Mark A

Batch Method: D4318 Batch End Date: 07/16/24 14:50

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	Pan1P	PanWt1Plast	PanSampWet1P	PanSampDry1P	WaterContentPL1	Pan2P
460-303610-F-1	PL-C-4W-20240508-0.75-3.2	D4318	Solid	T						
460-303610-F-4	PL-C-2W-20240508-1.7-7.4	D4318	Solid	T						
460-303610-C-7	PL-C-3S-20240508-6.1-8.6	D4318	Solid	T	3	15.44 g	26.35 g	24.52 g	20.1541850220264 %	4
460-303610-C-9	PL-C-1S-20240508-9.7-14.2	D4318	Solid	T	1	15.23 g	23.84 g	22.02 g	26.8041237113402 %	2
460-303610-C-11	PL-C-4S-20240508-6.0-9.8	D4318	Solid	T	5	15.59 g	22.03 g	20.75 g	24.8062015503876 %	6

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	PanWt2Plast	PanSampWet2P	PanSampDry2P	WaterContentPL2	AirDried	%Retained40Sieve
460-303610-F-1	PL-C-4W-20240508-0.75-3.2	D4318	Solid	T					yes	33 %
460-303610-F-4	PL-C-2W-20240508-1.7-7.4	D4318	Solid	T					yes	40 %
460-303610-C-7	PL-C-3S-20240508-6.1-8.6	D4318	Solid	T	15.40 g	25.83 g	24.12 g	19.6100917431193 %	yes	50 %
460-303610-C-9	PL-C-1S-20240508-9.7-14.2	D4318	Solid	T	15.56 g	25.68 g	23.52 g	27.1356783919598 %	yes	50 %
460-303610-C-11	PL-C-4S-20240508-6.0-9.8	D4318	Solid	T	15.47 g	27.10 g	24.85 g	23.9872068230277 %	yes	15 %

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.

GEOTECHNICAL BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG No.:

Batch Number: 204266 Batch Start Date: 05/17/24 15:45 Batch Analyst: Peterson, Mark A

Batch Method: D854 Batch End Date: 06/07/24 17:55

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FlaskNumber	PycnometerMass	PycnometerVol	PycMassMeas	PanWt1	FlaskH2OSamp
460-303610-G-1	PL-C-4W-20240508-0.75-3.2	D854	Solid	T	204	101.69 g	249.83 mL	101.68 g	162.13 g	367.63 g
460-303610-G-2	PL-C-1W-20240508-0.75-4.1	D854	Solid	T	29	116.73 g	250.06 mL	116.72 g	156.97 g	383.22 g
460-303610-F-3	PL-C-5W-20240508-0.75-7.8	D854	Solid	T	9	113.88 g	250.00 mL	113.87 g	172.62 g	378.17 g
460-303610-F-4	PL-C-2W-20240508-1.7-7.4	D854	Solid	T	201	102.34 g	249.84 mL	102.34 g	157.94 g	366.06 g
460-303610-F-5	PL-C-3W-20240508-0.85-3.2	D854	Solid	T	203	103.22 g	249.96 mL	103.22 g	171.37 g	368.71 g
460-303610-C-7	PL-C-3S-20240508-6.1-8.6	D854	Solid	T	9	113.88 g	250.00 mL	113.88 g	172.94 g	405.33 g
460-303610-C-9	PL-C-1S-20240508-9.7-14.2	D854	Solid	T	10	102.81 g	249.79 mL	102.80 g	155.72 g	390.85 g
460-303610-C-11	PL-C-4S-20240508-6.0-9.8	D854	Solid	T	206	102.52 g	249.90 mL	102.52 g	158.23 g	391.05 g

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	Temp	PanSampDry1	SpecificGravity	SpecificGravity20		
460-303610-G-1	PL-C-4W-20240508-0.75-3.2	D854	Solid	T	19.6 Celsius	186.22 g	3.18991925317019	3.19016370680539		
460-303610-G-2	PL-C-1W-20240508-0.75-4.1	D854	Solid	T	19.6 Celsius	181.36 g	3.23838961419387	3.23863778226665		
460-303610-F-3	PL-C-5W-20240508-0.75-7.8	D854	Solid	T	19.6 Celsius	196.73 g	2.56718113927901	2.56737787051635		
460-303610-F-4	PL-C-2W-20240508-1.7-7.4	D854	Solid	T	19.6 Celsius	179.44 g	2.98947503423585	2.98970412719446		
460-303610-F-5	PL-C-3W-20240508-0.85-3.2	D854	Solid	T	19.6 Celsius	194.16 g	3.33592295994433	3.3361786023069		
460-303610-C-7	PL-C-3S-20240508-6.1-8.6	D854	Solid	T	19.5 Celsius	239.39 g	2.70378515426134	2.70404688275533		
460-303610-C-9	PL-C-1S-20240508-9.7-14.2	D854	Solid	T	19.4 Celsius	217.33 g	2.68546578130074	2.68577962952711		
460-303610-C-11	PL-C-4S-20240508-6.0-9.8	D854	Solid	T	19.6 Celsius	219.71 g	2.74197489715752	2.74218502339522		

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GEOTECHNICAL BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-303610-1

SDG No.:

Batch Number: 204266 Batch Start Date: 05/17/24 15:45 Batch Analyst: Peterson, Mark A

Batch Method: D854 Batch End Date: 06/07/24 17:55

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.

Subcontract Data

Chain of Custody Record

657350

eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Delaney Peterson	Site Contact: Sarah LaRoe	Date:	COC No:
Company Name: ANCHOR QEA	Tel/Email: 360-715-2707	Lab Contact:	Carrier:	_____ of _____ COCs
Address: 1201 3rd Ave. Suite 2600	Analysis Turnaround Time			Sampler:
City/State/Zip: Seattle, WA 98101	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (206)287-9130	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: NEREA NFT	☐ 1 week			Job / SDG No.: 303610
Site: Harriman, NY	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TOTAL MERCURY	PERCENT MOISTURE	TOC	Atterberg Limits	Specific Gravity	Grain Size	TCLP VOC	TCLP Combined	Sample Specific Notes:
PL-L-4W-20240508-0.75-3.2	5/8/24	1305	C	SO	8			X	X	X	X	X	X	X	X	1
PL-L-1W-20240508-0.75-4.1	5/8/24	1015	C	SO	8			X	X	X	X	X	X	X	X	2
PL-L-5W-20240508-0.75-7.8	5/8/24	1110	C	SO	8			X	X	X	X	X	X	X	X	3
PL-L-2W-20240508-1.7-7.4	5/8/24	1010	C	SO	8			X	X	X	X	X	X	X	X	4
PL-L-3W-20240508-0.85-3.2	5/8/24	0850	C	SO	8			X	X	X	X	X	X	X	X	5
PL-L-3S-20240508-6.1-6.7	5/8/24	0910	C	SO	1			X								6
PL-L-3S-20240508-6.1-8.6	5/8/24	0910	C	SO	5				X	X	X	X	X			7
PL-L-1S-20240508-9.7-10.7	5/8/24	1220	C	SO	1			X								8
PL-L-1S-20240508-9.7-14.2	5/8/24	1220	C	SO	5				X	X	X	X	X			9
PL-L-4S-20240508-6.0-6.6	5/8/24	1300	C	SO	1			X								10
PL-L-4S-20240508-6.0-9.8	5/8/24	1300	C	SO	5				X	X	X	X	X			11



ELMSFORD 272

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No.. | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No..:_____

Relinquished by	Company	Date/Time	Received by:	Company.	Date/Time:
Kelly Thigpen	AQ	5/9/24 1415		ETA	5-9-24 1415
Relinquished by	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ETA 5-9-24	1700			5/9/24 1800
Relinquished by:	Company	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
		5/9/2000	Bhatt	ETA	5/9/24 20:00

1 1 1

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 303610

Number of Coolers: 4 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.0 °C	2.1 °C	Cooler #4:	1.5 °C	1.9 °C	Cooler #7:	°C	°C
Cooler #2:	1.6 °C	2.0 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	1.3 °C	1.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 5 9 20

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone 732-549-3900 Fax: 732-549-3679

Chain of Custody Record


460-303610 Chain of Custody

Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Franklin, Jannel O		
Client Contact: Shipping/Receiving	Phone.	E-Mail: Jannel.Franklin@et.eurofinsus.com	New York	Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-303610-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 5/21/2024			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email.	WO #:			
Project Name: Nepera	Project #: 46041685			
Site	SSOW#:			

Analysis Requested

Preservation Codes: -

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D4318/ Atterberg Limits (Liquid Limit,Plastic)	D854/ Specific Gravity	D422/ Grain Size (Sieve and Hydrometer)	D422/ % Passing Routine List	Total Number of containers	Special Instructions/Note:
		Preservation Code:										
PL-L-4W-20240508-0.75-3.2 (460-303610-1)	5/8/24	13 05 Eastern		Solid			X	X	X	X	3	
PL-L-1W-20240508-0.75-4 1 (460-303610-2)	5/8/24	12:15 Eastern		Solid			X	X	X	X	3	
PL-L-5W-20240508-0.75-7.8 (460-303610-3)	5/8/24	11:10 Eastern		Solid			X	X	X	X	3	
PL-L-2W-20240508-1.7-7.4 (460-303610-4)	5/8/24	10:10 Eastern		Solid			X	X	X	X	3	
PL-L-3W-20240508-0.85-3.2 (460-303610-5)	5/8/24	08:50 Eastern		Solid			X	X	X	X	3	
PL-L-3S-20240508-6 1-8.6 (460-303610-7)	5/8/24	09:10 Eastern		Solid			X	X	X	X	3	
PL-L-1S-20240508-9.7-14.2 (460-303610-9)	5/8/24	12:20 Eastern		Solid			X	X	X	X	3	
PL-L-4S-20240508-6 0-9.8 (460-303610-11)	5/8/24	13.00 Eastern		Solid			X	X	X	X	3	

Note. Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested. I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date.	Time	Method of Shipment:

Relinquished by	Date/Time.	Company	Received by	Date/Time	Company
	5/14/24 1900	EEL		5/15/24 1030	ETABUN
Relinquished by	Date/Time.	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

ORIGIN ID:LDJA (732) 548-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 44.80 LB
CAD: 0619092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: 8460-181944
PO: YES

FedEx Express

J241023112201uv

1 of 3

TRK# 0201 6553 1012 1047

MASTER

NX BTVA

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV

SRSC4/C45R/C6C4

Part # 159469-434 MTW EXP 09/24

ORIGIN ID:LDJA (732) 548-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 36.50 LB
CAD: 0619092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: 8460-181944
PO: YES

FedEx Express

J241023112201uv

2 of 3

MPS# 0263 6553 1012 1058

Mstr# 6553 1012 1047 0201

NX BTVA

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV

SRSC4/C45R/C6C4

Part # 159469-434 MTW EXP 09/24

SHIP TO: (802) 660-1900
REF: 8450-18T9044
PO: YES

SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

ORIGIN ID:HDJA (732) 548-3900
DIAN MINER
EUROFINS-EDISON
777 NEW DURHAM ROAD
EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 38.25 LB
CAD: 0613092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1900
REF: 8450-18T9044
PO: YES

FedEx Express
J24102311201uv

3 of 3
WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

MPS# 6553 1012 1069
0263

Mstr# 6553 1012 1067
0201

NX BTVA
05403
BTV
VT-US

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

460-303610 Chain of Custody

Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Franklin, Jannel O	
Client Contact: Shipping/Receiving	Phone	E-Mail: Jannel.Franklin@et.eurofinsus.com	New York

Page 1 of 1

Company: TestAmerica Laboratories, Inc.	Accreditations Required (See note): NELAP - New York	Job #: 460-303610-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 5/21/2024	Preservation Codes: -
City: South Burlington	TAT Requested (days):	
State, Zip: VT, 05403		
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:	
Email	WO #:	
Project Name: Nepera	Project #: 46041685	
Site:	SSOW#:	Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D4318/ Atterberg Limits (Liquid Limit,Plastic)	D854/ Specific Gravity	D422/ Grain Size (Sieve and Hydrometer)	D422/ % Passing Routine List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
PL-L-4W-20240508-0.75-3.2 (460-303610-1)	5/8/24	13:05 Eastern		Solid			X	X	X	X	3	
PL-L-1W-20240508-0.75-4.1 (460-303610-2)	5/8/24	12.15 Eastern		Solid			X	X	X	X	3	
PL-L-5W-20240508-0.75-7.8 (460-303610-3)	5/8/24	11:10 Eastern		Solid			X	X	X	X	3	
PL-L-2W-20240508-1.7-7.4 (460-303610-4)	5/8/24	10:10 Eastern		Solid			X	X	X	X	3	
PL-L-3W-20240508-0.85-3.2 (460-303610-5)	5/8/24	08:50 Eastern		Solid			X	X	X	X	3	
PL-L-3S-20240508-6.1-8.6 (460-303610-7)	5/8/24	09:10 Eastern		Solid			X	X	X	X	3	
PL-L-1S-20240508-9.7-14.2 (460-303610-9)	5/8/24	12:20 Eastern		Solid			X	X	X	X	3	
PL-L-4S-20240508-6.0-9.8 (460-303610-11)	5/8/24	13.00 Eastern		Solid			X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested. I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5/14/24 1900	Company: EEL	Received by:	Date/Time: 5/15/24 1030	Company: ETABUN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

ORIGIN ID:LDJA (732) 548-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 44.80 LB
CAD: 0619092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: 8460-181944
PO: YES

FedEx Express

J241023112201uv

1 of 3

TRK# 0201 6553 1012 1047

MASTER

NX BTVA

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV

ORIGIN ID:LDJA (732) 548-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 36.50 LB
CAD: 0619092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: 8460-181944
PO: YES

FedEx Express

J241023112201uv

2 of 3

MPS# 0263 6553 1012 1058

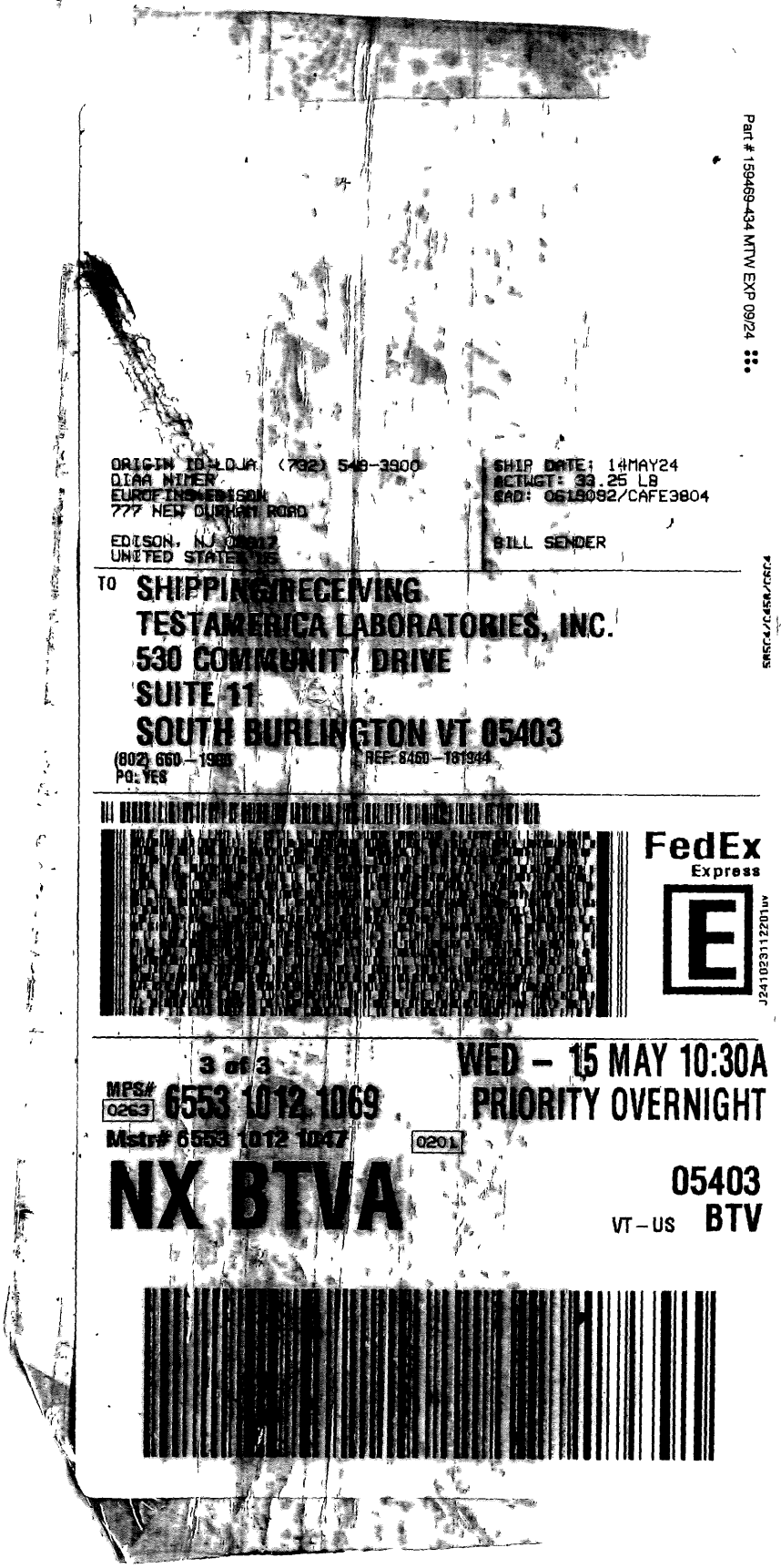
Mstr# 6553 1012 1047 0201

NX BTVA

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV

Part # 159469-434 MTW EXP 09/24



Part # 159469-434 MTW EXP 09/24

ORIGIN ID:LDJA (732) 548-3900
DIAA NIVER
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 14MAY24
ACTWGT: 33.25 LB
CAD: 0618092/CAFE3804

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: 8460-181944
PO: YES

FedEx Express

J24102311220Uw

3 of 3
MPS# 0263 6553 1012 1069
Mstr# 6553 1012 1047

0201

WED - 15 MAY 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT - US BTV

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 460-303610-1

Login Number: 303610
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 460-303610-1

Login Number: 303610
List Number: 2
Creator: Silva, Luca

List Source: Eurofins Burlington
List Creation: 05/16/24 12:12 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2004782, 2004783, 2004784
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6ºC, 16.9ºC, 16.8ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	