

PERIODIC REVIEW REPORT

100 East Mineola Avenue

Valley Stream, New York

NYSDEC Site Number: V-00145-1

USEPA ID # NYD008923526

Prepared for:

Sid Harvey Industries

Garden City, New York

December 2024

*Prepared By: **Nicholas A. Andrianas, P.E.***

NAA ENGINEERING

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PROFESSIONAL ENGINEER'S CERTIFICATION

In accordance with NYSDEC DER-10, this Periodic Review Report is certified as follows:

“For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

- The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*
- The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;*
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*
- Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- Use of the site is compliant with the environmental easement;*
- The engineering control systems are performing as designed and are effective;*
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices; and*
- The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false

statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Nicholas A. Andrianas, P.E. am certifying as Remedial Party Designated Site Representative I have been authorized and designated by the remedial party to sign this certification for the site."

No new information has come to my attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-site contamination are no longer valid.



Nicholas A. Andrianas, P.E.

REGISTERED PROFESSIONAL ENGINEER NUMBER: 063661

DATE: December 20, 2024

1.0 EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is a required element of the remedial program for the 100 East Mineola Avenue property located in Valley Stream, New York (“Site”). The Site was in the New York State (NYS) Voluntary Cleanup Program (VCP) Site No. V-00145-1, which is administered by New York State Department of Environmental Conservation (NYSDEC). This PRR was prepared in accordance with the NYSDEC approved Site Management Plan (SMP) requirements. This report covers the period from November 21, 2023 to November 21, 2024 as required by NYSDEC.

- A. Nature and Extent of Contamination - Numerous site investigations were performed between 1998 and 2015. The results of the on-site investigation found that the soil, soil vapor and groundwater beneath the Site and offsite were contaminated by chlorinated solvents from on-site sources and by petroleum products from an off-site, up-gradient source. The groundwater flow direction was determined to be to the south-southwest. The approximate downgradient extent of VOCs in groundwater is East Hawthorne Avenue. The onsite and offsite investigations were completed in 2015. the results of the on-site and the off-site investigations are described in the “May 2015, Remedial Investigation Report.”
- B. Effectiveness of the Remedial Program - The enhanced anaerobic bioremediation system has reduced the concentrations of total chlorinated VOCs in groundwater since the treatment chemicals were injected. The SSDS at 140 East Mineola Avenue meets the remedial objective and prevents soil vapor migration from the subsoil to indoor air. The onsite SVE system captures VOC vapors onsite and meets the remedial objective. The system removed approximately 3.4 pounds of total VOCs in soil vapor in 2019, approximately 3.4 pounds in 2020, 2.8 pounds in 2021, 2.23 pounds in 2022, 4.2 pounds in 2023 and 1.9 pounds in 2024. The Institutional and Engineering Controls (ICs and ECs) were incorporated into the site remedy to control exposure to remaining contamination to ensure protection of public health

and the environment, and no changes are needed. An Environmental Easement granted to the NYSDEC, and recorded with the Nassau County Clerk, requires compliance with the NYSDEC approved Site Management Plan (SMP). The ECs and ICs are in place on the site.

- C. Compliance – The major elements of the SMP including the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan comply with the SMP requirements.
- D. Recommendations - No changes to the SMP are needed. The annual frequency of PRR submittal should continue unchanged. The PRR will include the annual monitoring and O&M results/inspections.

2.0 Site Overview

The site is located at 100 East Mineola Avenue in Valley Stream, Nassau County, New York and is identified as Section 37 Block 75 and Lots 20-24, 25-30, 49-51 on the Valley Stream, Nassau County Tax Map. The site is an approximately 1 acre and is bounded by East Mineola Avenue to the north, East Valley Stream Boulevard, houses, and industrial building to the south, an industrial building and LIRR railroad to the east. The Site consists of an approximate 33,000 square feet building with paved surfaces and a parking area on the north side of the building. The Site is zoned industrial and is currently occupied by multiple tenants. Site occupants include a company that prepares floral arrangements and leases equipment for special events, a Budget Truck rental storage yard, and a Corvette automobile rebuild/storage shop. The site remediation systems and monitoring points are shown on attached figure.

The final selected remedy for the site includes the combined air sparge/ soil vapor extraction (AS/SVE) system, sub-slab depressurization system (SSDS) at the adjoining property, enhanced anaerobic biodegradation to treat groundwater and institutional controls. The NYSDEC issued an April 2016 Sid Harvey Facility Operable Unit 2: Saturated Soil and Groundwater decision document for the site to supplement the OU-1 remedy and the selected elements of the OU-1 and OU-2 remedies are summarized below:

1. **Air Sparge with Soil Vapor Extraction (AS/SVE)-** Continue operation of the air sparge system installed as an IRM for this operable unit and the OU1 soil vapor extraction system to address the contaminated soils and groundwater to a depth of about 60 feet below ground surface (bgs).
2. **Enhanced Bioremediation-** In-situ enhanced biodegradation was employed to treat VOCs in the areas below 60 feet bgs beyond the influence of the AS/SVE system.

The biological breakdown of contaminants through anaerobic reductive dechlorination is enhanced by multiple and mixed injections of electron donor products and other amendments that were injected into the subsurface to promote microbe growth via injection wells screened at multiple locations and depths.

3. **Cover System-** A site cover currently exists and is maintained to allow for industrial use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for industrial use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).
4. **Institutional Control-** Imposition of an institutional control in the form of a deed restriction for the controlled property which addresses the following:
 - requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional controls in accordance with Part 375-1.8(h)(3);
 - allows the use and development of the controlled property for industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
 - restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or Nassau County DOH; and requires compliance with the Department approved Site Management Plan.

The Remedial Action Objectives (RAOs) for the Site as listed in the April 14, 2016 Decision Document are summarized as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

3.0 Evaluate Remedy Performance, Effectiveness, and Protectiveness

Groundwater

The groundwater remedy for the site at this time is enhanced anaerobic bioremediation. The air sparge remediation system is presently shut down to permit anaerobic bioremediation. The enhanced anaerobic, biological treatment remedy consisted of the January 2017 injection of Regenesis 3DMe, Bio-Dechlor Inoculum Plus and CRS solution at three rows of injection points at the northeast corner of the property. The treatment biological chemicals were injected at a total of 8 points. The NYSDEC approved remedy also includes injection of food grade molasses and Bio-Dechlor Inoculum Plus at wells PMW-3, MW-6I, and MW-12 on a monthly basis. The monthly treatment began in January 2017 and was completed in December 2017 for a total of 12 months.

Groundwater monitoring to track the performance of the enhanced bioremediation for this 2024 PRR was performed on January 29, 2024 and February 9, 2024. The results are summarized in this section. Prior to sampling, depth-to-groundwater measurements were taken at all wells. The sampling results for VOCs are presented in Table 1 of the enclosed report. The locations of the monitoring wells and groundwater flow direction are shown on Figure 1 of the report.

The enhanced anaerobic, biological treatment remedy consisted of the January 2017 injection of Regenesis 3DMe, Bio-Dechlor Inoculum Plus and CRS solution at three rows of injection points at the northeast corner of the property. The treatment biological chemicals were injected at a total of 8 points. The NYSDEC approved remedy also includes injection of food grade molasses and Bio-Dechlor Inoculum Plus at wells PMW-3, MW-6I, and MW-12 on a monthly basis. The monthly treatment began in January 2017 and was completed in December 2017 for a total of 12 months.

The groundwater samples were collected in accordance with the NYSDEC approved May 2018 Site Management Plan. The samples were placed in laboratory prepared sample containers and shipped to Phoenix, Environmental Laboratories Inc., an ELAP certified laboratory located in Manchester, Connecticut. The samples and a trip blank were analyzed for volatile organic compounds (VOCs) as required by the SMP. The laboratory data are enclosed.

Prior to sampling, depth-to-groundwater measurements were taken at all wells. The water level measurements are shown in Table 3. The monitoring well locations and groundwater flow direction are shown on Figure 1.

2021-2024 VOC Results

The December 2019-2024 sampling results are plotted in the attached figures and confirm that the NYSDEC approved treatment remedy for groundwater continues to reduce VOCs, as required to achieve the aquifer restoration remedial objective specified in the RAWP. The total CVOCs observed at well MW-12 found in December 2021 decreased in 2022 and 2023. The latest round of groundwater samples was collected on January 29, 2024 and February 9, 2024. The results are included in this report, shown in the tables and graphed to show the continued decrease in the total CVOC concentrations. The 2024 concentration of 1,1,1-trichloroethane increased at MW-12 and was not consistent with the overall trend in concentrations over time. The need for any additional measures will be determined upon completion of the 2025 round of groundwater sampling. The concentrations of CVOCs at downgradient wells MW-3I and MW-6I are very low and only slightly greater than groundwater standards.

SSDS

The SSDS at 140 East Mineola Avenue operates continuously 365 days per year. The SSDS meets the remedial objective. The annual sub-slab vapor and indoor air sampling was performed on February 20, 2024. The sampling results confirm that VOC concentrations meet the “No Further Action” criteria in the New York State Department of Health, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 with the SSD system in operation.

On February 16, 2024, the SSDS well SSD-1 and SSD-2 were found to be operating at a flow rate of approximately 50 cubic feet per minute (CFM). Vacuum measurements at wells SSD-1 and SSD-2 were 2.9 and 2.5 inches water column (wc), respectively and are within the design operating range of 2.5 to 3.0 inches wc.

The blower vacuum measurements confirm that the SSDS is operating within the design vacuum parameters and maintains the design vacuum response throughout the building footprint to control vapor migration to indoor air, based on the prior sub-slab vacuum measurements.

No corrective actions to the SSDS were needed during this reporting period. The sampling and inspection reports are appended to this PRR. No cracks requiring repairs were observed in 2024.

SVE System

The onsite SVE runs 24 hours per day, 365 days per year. The system captures soil vapor VOC vapors onsite and meets the remedial objective. The system consists of 7 SVE extraction wells, a 5 HP regenerative blower, a moisture knockout vessel and 2 granular activated carbon vessels (lead /lag) configuration to remove VOCs from the air stream.

Vacuum and air flow rate are measured monthly to confirm that the system meets the remedial design criteria.

The carbon vessel intake and exhaust air was sampled for VOCs on June 25, 2024 and confirmed that the carbon is not spent. A round of SVE system soil vapor and VGAC air emission samples was collected on October 29, 2024. A copy of the laboratory report is appended to this PRR. The VOC concentrations in the exhaust air from the SVE stack were screened and compared to the NYSDEC Annual Guidance Concentrations (AGC) and Short term guidance concentrations (SGC) in accordance with the “NYSDEC DAR-1 Guidelines for the Evaluation and Control of Ambient Air Contaminants Under Part 212”. The concentrations discharged from the SVE stack were modeled using “AERSCREEN”, the NYSDEC screen-level air quality model in accordance with DAR-1. The VOC concentrations modeled in air are less than the DAR-1 Short-term (one-hour) and Annual Guideline Concentrations (AGCs & SGCs) and no emission control modifications were needed in 2023. In September 2021 the carbon vessels were replaced with new vessels, as a preventative measure.

The VOC mass removal rates were calculated based on the blower exhaust VOC concentrations

and the SVE blower air flowrate. The SVE system removed approximately 3.4 pounds of total VOCs in soil vapor in 2019, approximately 3.4 pounds in 2020, 2.8 pounds in 2021, 2.23 pounds in 2022, 4.2 pounds in 2023 and 1.9 pounds in 2024.

Sitewide Cap

A sitewide cap consisting of asphalt and concrete covered surfaces is part of the site remedy. The cap is good condition and prevents ingestion/direct contact with contaminated soil. The cap was inspected on October 29, 2024 and the inspection report is attached. No changes are required to the cap.

4.0 IC/EC Plan Compliance Report

Institutional and Engineering Controls

The institutional and engineering controls and the compliance status as of November 21, 2024 are summarized below:

- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department. The control is in place.
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP. The monitoring is performed as required by the SMP. The results are included in this PRR.
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP. The data and information are reported as required by the SMP. The results are included in this PRR.
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP. No activities were performed that disturbed the material.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP. The monitoring is performed and the results are included in this PRR.
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP. The SVE and the SSDS equipment is inspected and maintained as required by the SMP. The inspection and maintenance logs are included with this PRR.
- The potential for vapor intrusion must be evaluated for any buildings developed in the area

within the IC boundaries noted on Figure 6, and any potential impacts that are identified must be monitored or mitigated. No buildings were developed in the area.

- Vegetable gardens and farming on the site are prohibited. No vegetable gardening or farming are performed at the site.

The deed restriction for the institutional controls is in place. A copy is appended to this report. The property was sold in December 2021 and the deed was recorded on January 6, 2022. The Institutional and Engineering Controls Certification Form is enclosed. January 6, 2025 verification of the deed restriction is also attached.

5.0 Monitoring Plan Compliance Report

The compliance status of each component of the site remedy is summarized in the tables below. No corrective actions or changes are recommended. No deficiencies were noted. The data obtained in compliance with the monitoring requirements are provided in the attached logs and confirm compliance with the remedial action objectives.

SVE System Monitoring Compliance

Remedial System Component	Monitoring Parameter	Operating Range	Monitoring Schedule	In Compliance Yes/No
SVE Blower	Flow Rate (CFM)	225 to 300 CFM	Monthly	Yes
SVE Blower	Vacuum (Inches Water Column)	45 to 100 IWC	Monthly	Yes
SVE Wells	Vacuum (Inches Water Column)	10 to 50 IWC	Monthly	Yes
SVE Wells	Flow Rate (CFM)	10 to 100 CFM	Annual	Yes
SVE Well Covers	Soundness	Soundness	Annual	Yes
KO Vessel	Capacity	0 to 35 gallons	Monthly	Yes

General Piping	System	Soundness	Soundness	Monthly	Yes
System Effluent		Flow Rate (CFM)	10 to 100 CFM	Annual	Yes
VGAC Vessel	Carbon	VOC (PPM)	Below AGC	Semi-Annual	Yes

AS System Monitoring Compliance

Remedial System Component	Monitoring Parameter	Operating Range	Monitoring Schedule	In Compliance Yes/No
AS Compressor Deep	Flow Rate (CFM)	20-50 CFM	Monthly	See note 1
AS Compressor Deep	Pressure (PSI)	28-100 PSI	Monthly	See note 1
AS Deep Wells	Flow Rate (CFM)	10-25 CFM	Monthly	See note 1
AS Deep Wells	Pressure (PSI)	28-100 PSI	Monthly	See note 1
AS Compressor Shallow	Flow Rate (CFM)	28-32 CFM	Monthly	See note 1
AS Compressor Shallow	Pressure (PSI)	16-22 PSI	Monthly	See note 1
AS Shallow Wells	Flow Rate (CFM)	10-16 CFM	Monthly	See note 1

AS Shallow Wells	Pressure (PSI)	16-22 PSI	Monthly	See note 1
AS Well Covers	Soundness	Soundness	Annual	Yes
General System Piping	Static Head (PSI)	26-28 PSI	Monthly	Yes

Note 1. Air sparge system shut down during groundwater enhanced anaerobic dechlorination treatment.

SSDS 140 East Mineola Avenue Monitoring Compliance

Remedial System Component	Monitoring Parameter	Operating Range	Monitoring Schedule	In Compliance Yes/No
SSDS Well-1	Vacuum (Inches Water Column)	2 to 3 IWC	Semi-Annual	Yes
SSDS Well-1	Flow Rate (CFM)	10 to 50 CFM	Semi-Annual	Yes
SSDS Well-2	Vacuum (Inches WC)	1.8 to 3 IWC	Semi-Annual	Yes
SSDS Well-2	Flow Rate (CFM)	10 to 80 CFM	Semi-Annual	Yes
Sub-Slab Vapor Implants	Soundness	Soundness	Semi-Annual	Yes
General System Piping	Soundness	Soundness	Semi-Annual	Yes

Remedial System Sampling Requirements Compliance

Sampling Location	Analytical Parameters				Schedule	In Compliance Yes/No
	VOCs (EPA Method 624)	TAL Metals (EPA Method 6010B)	pH (EPA Method 9040)	VOC (EPA Method TO-15)		
SSDS Well-1				X	Annual	Yes
SSDS Well-2				X	Annual	Yes
SSVI				X	Annual	Yes
Indoor Ambient Air				X	Annual	Yes
Outdoor Ambient Air				X	Annual	Yes
SVE-Wells				X	Annual	Yes
SVE VGAC				X	Semi-Annual	Yes (annual sampling since carbon changeout in 2020)

6.0 Operation & Maintenance (O&M) Plan Compliance Report

The operation, maintenance and monitoring plan for the Site consists of groundwater monitoring to track the enhanced bioremediation remedy, SVE system operation, cap maintenance and SSDS operation at 140 East Mineola Ave. The facility complies with the operation, maintenance and monitoring programs. The components and compliance are summarized below. No corrective actions or changes are recommended. No deficiencies were noted.

Groundwater

The groundwater monitoring O&M requires annual inspections of the condition of the monitoring wells. The wells were inspected on October 29, 2024. No corrective actions were required.

AS/SVE and SSDS

The SVE system is inspected at a minimum monthly and the reports for the period of November 21 2022 to November 21, 2024 are attached. The flow rate, vacuum measurements, corrective actions and maintenance are included in the reports.

The requirements are summarized below and O&M results confirm compliance with the remedial system performance criteria. The O&M data are summarized in the enclosed system logs.

AS/SVE and SSDS Remedial System Minimum Operating Requirements

Remedial System Component	Parameter	Minimum Operating Range
SVE Blower	Flow Rate (CFM)	150 CFM
SVE Blower	Vacuum (Inches WC)	45 IWC
SVE Wells	Flow Rate (CFM)	10 CFM
SVE Wells	Vacuum (Inches WC)	10 IWC
VGAC-Carbon Units	Flow Rate (CFM)	10 CFM/Ft ²
VGAC-Carbon Units	PID (PPM)	0.0 PPM

Shallow AS Well	Flow Rate (CFM)	10 CFM
SSDS Blower 1	Vacuum (Inches WC)	2.0 IWC
SSDS Blower 2	Vacuum (Inches WC)	2.0 IWC
SSDS Blower 1	Flow Rate (CFM)	10 CFM
SSDS Blower 2	Flow Rate (CFM)	10 CFM

SITE WIDE CAP

The cap was inspected on October 29, 2024. The asphalt paved surface area and the cracks were repaired, as needed. No additional maintenance was required. The inspection report is appended to this PRR.

7.0 Overall PRR Conclusions and Recommendations

Compliance with the SMP

The SMP includes IC/EC, monitoring, and O&M. The compliance status for each component of the SMP is summarized below.

IC/EC

The institutional and engineering controls and the compliance status are summarized below:

- The use of groundwater underlying the property is prohibited.
- Groundwater, soil vapor and indoor monitoring were performed as defined in this SMP.
- Data and information pertinent to site management were reported at the frequency as defined in the SMP.
- No activities were performed that disturbed remaining contaminated material.
- Monitoring to assess the performance and effectiveness of the remedy was performed as defined in the SMP.
- Operation, maintenance, monitoring, inspection, and reporting of the SVE and the SSDS equipment was performed as required by the SMP.
- No buildings that required vapor intrusion analyses were developed in the area.
- No vegetable gardening or farming were performed at the site.

The deed restriction for the institutional controls is in place.

Monitoring

The SMP required monitoring for groundwater, the AS/SVE system and the SSDS was performed in compliance with the SMP. No corrective actions or changes are recommended. No deficiencies

were noted.

O&M

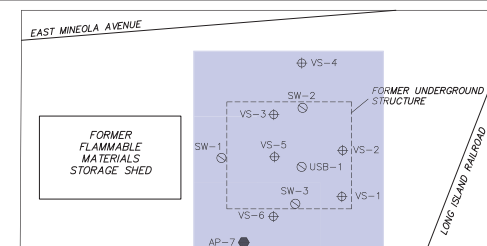
The SMP required O&M for groundwater, the AS/SVE system and the SSDS was performed compliance with the SMP. No corrective actions or changes are recommended. No deficiencies were noted.

Performance and Effectiveness of the Remedy

This PRR evaluation of the components of the SMP demonstrates that each component of the remedy meets the remedial objectives for the site. No changes are recommended.

Future PRR Submittals

Future PRR submittals should continue at the current frequency.



SCALE : 1"=

WELL IDENTIFICATION	Linear Distance from Reference Point A to Well or Well Cluster	Linear Distance from SH1 Building West Exterior Wall to Well or Well Cluster
AS-2 CLUSTER	160'-0"	9'-6"
AS-1 CLUSTER	137'-10"	9'-4"
SVE-2	136'-5"	10'-10"
SVE-1	102'-7"	11'-8"
AS-5 CLUSTER	99'-6"	10'-2"
AS-6 CLUSTER	71'-10"	9'-10"
AS-7 CLUSTER	39'-4"	7'-3"
SVE-4	36'-6"	7'-2"
AS-8 CLUSTER	4'-10"	11'-6"
SVE-6	20'-8"	7'-2"

LEGEND	
● PERMANENT SOIL VAPOR MONITORING POINT	⊕ GEOPROBE SOIL BORING
⊕ MONITORING WELL	⊖ EXCAVATION SOIL SAMPLING LOCATION
□ SOIL VAPOR EXTRACTION (SVE) WELL	⊖ TEMPORARY SOIL VAPOR MONITORING POINT
⊙ AIR SPARGE (AS) WELL SCREENED AT 68 TO 70 FEET BLS	△ SOIL SAMPLING LOCATION
⊙ NESTED AIR SPARGE (AS) WELLS SCREENED AT 43 TO 45 FEET BLS AND AT 68 TO 70 FEET BLS	▲ AQUIFER PROFILE LOCATION
⊙ PERFORMANCE MONITORING WELL	▲ GAS SURVEY LOCATION
⊕ MEASUREMENT REFERENCE POINT	Area of Remaining soil Contamination

[illegible]



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **V00145**

Site Name **Sid Harvey Industries Facility**

Site Address: 100 East Mineola Ave Zip Code: 11580
City/Town: Valley Stream
County: Nassau
Site Acreage: 0.811

Reporting Period: November 21, 2023 to November 21, 2024

	YES	NO
1. Is the information above correct?	X ☐	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X ☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X ☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X ☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X ☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	X ☐	☐
7. Are all ICs in place and functioning as designed?	X ☐	☐

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwner~~Hassan Dharsi~~Institutional Control

Ground Water Use Restriction
Soil Management Plan
Monitoring Plan
Site Management Plan
O&M Plan

Landuse Restriction
IC/EC Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Description of Engineering ControlsParcelEngineering Control

Vapor Mitigation
Cover System
Air Sparging/Soil Vapor Extraction
Monitoring Wells
Vapor Mitigation
Cover System
Air Sparging/Soil Vapor Extraction
Monitoring Wells

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

X ☐ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

X ☐ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

December 11, 2024

**IC CERTIFICATIONS
SITE NO. V00145**

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I, Nicholas A. Andrianas, P.E. at 1 Sound Breeze Drive, Miller Place New York 11764

am certifying as representative of remedial party for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

December 11, 2024
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Nicholas A. Andrianas at 1 Sound Breeze Drive Miller Place, New York 11764

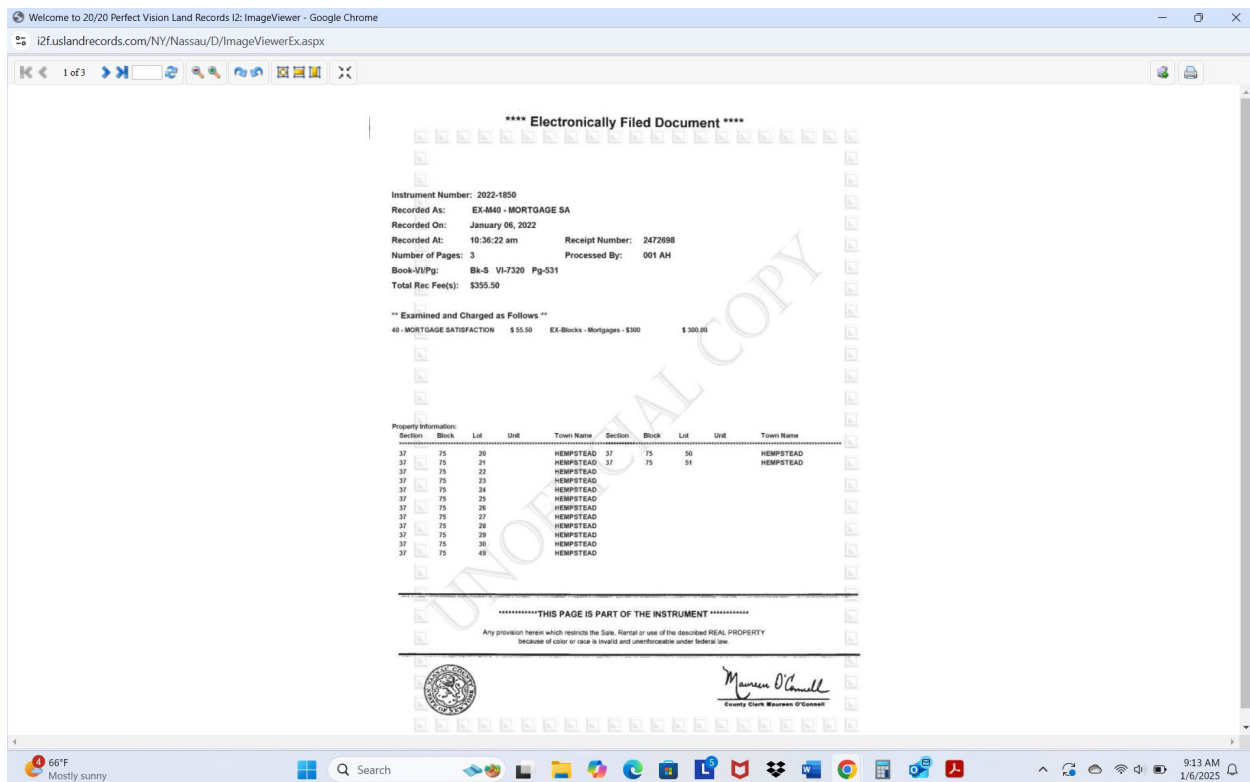
am certifying as a Professional Engineer for the Remedial Party



Nicholas A. Andrianas

of Professional Engineer, for the Owner or
Date Remedial Party, Rendering Certification

12/11/24



CONFIRMED BY NICHOLAS A. ANDRIANAS, P.E. JANUARY 6, 2025



**** Electronically Filed Document ****

Instrument Number: 2022-1847

Recorded As: EX-D12 - COMMERCIAL

Recorded On: January 06, 2022

Recorded At: 10:31:01 am

Receipt Number: 2472698

Number of Pages: 4

Processed By: 001 AH

Book-VI/Pg: Bk-D VI-14185 Pg-867

Total Rec Fee(s): \$7,615.00

** Examined and Charged as Follows **

12 - COMMERCIAL DEED	\$ 60.00	EX-Blocks - Deeds - \$300	\$ 300.00	EX-RP5217 Commercial Fee	\$ 250.00
EX-TP-584 Affidavit Fee	\$ 5.00				

	Tax Amount	Consid Amt	RS#/CS#		
Tax-Transfer	\$ 7000.00	\$ 1750000.00	RE 13140	Basic	\$ 0.00
HEMPSTEAD				Local NY CITY	\$ 0.00
				Additional MTA	\$ 0.00
				Spec ASST	\$ 0.00
				Spec ADDL SONYMA	\$ 0.00
				Transfer	\$ 7000.00

Tax Charge: \$ 7000.00

Property Information:

Section	Block	Lot	Unit	Town Name	Section	Block	Lot	Unit	Town Name
37	75	20		HEMPSTEAD	37	75	50		HEMPSTEAD
37	75	21		HEMPSTEAD	37	75	51		HEMPSTEAD
37	75	22		HEMPSTEAD					
37	75	23		HEMPSTEAD					
37	75	24		HEMPSTEAD					
37	75	25		HEMPSTEAD					
37	75	26		HEMPSTEAD					
37	75	27		HEMPSTEAD					
37	75	28		HEMPSTEAD					
37	75	29		HEMPSTEAD					
37	75	30		HEMPSTEAD					
37	75	49		HEMPSTEAD					

*****THIS PAGE IS PART OF THE INSTRUMENT*****

Any provision herein which restricts the Sale, Rental or use of the described REAL PROPERTY
because of color or race is invalid and unenforceable under federal law.



Maureen O'Connell
County Clerk Maureen O'Connell

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT-THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

THIS INDENTURE, made as of December 2, 2021

BETWEEN

100 EAST PROPERTIES LLC, a New York limited liability company having an address at 201 Specialty Point, Sanford, Florida 32771

party of the first part, and

SITE 100 LLC, a New York limited liability company having an address at 49 N. Central Avenue, Suite 201, Valley Stream, New York 11580

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten and 00/100 (\$10.00) Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever, all of its right, title and interest in and to the following described commercial premises:

**SEE THE LEGAL DESCRIPTION IN SCHEDULE A
ATTACHED HERETO AND MADE A PART HEREOF**

BEING AND INTENDED to be the same premises described in that certain deed made by L&L Posedian Realty LLC, dated 10/27/2015, and recorded 11/6/2015, in the Office of the Nassau County Clerk in Liber 13282, Page 20.

SAID PREMISES also known as and by the street address: 100 East Mineola Avenue, Valley Stream, New York 11580 and the Nassau County Tax Map Designation: Section: 37, Block: 75, Lot: 20-24, 25-30, and 49-51.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above-described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed as of the day and year first above written.

IN PRESENCE OF:

SITE 100 LLC, a New York limited liability company having an address at 49 N. Central Avenue, Suite 201, Valley Stream, New York 11580

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten and 00/100 (\$10.00) Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever, all of its right, title and interest in and to the following described commercial premises:

**SEE THE LEGAL DESCRIPTION IN SCHEDULE A
ATTACHED HERETO AND MADE A PART HEREOF**

BEING AND INTENDED to be the same premises described in that certain deed made by L&L Posedian Realty LLC, dated 10/27/2015, and recorded 11/6/2015, in the Office of the Nassau County Clerk in Liber 13282, Page 20.

SAID PREMISES also known as and by the street address: 100 East Mineola Avenue, Valley Stream, New York 11580 and the Nassau County Tax Map Designation: Section: 37, Block: 75, Lot: 20-24, 25-30, and 49-51.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above-described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed as of the day and year first above written.

IN PRESENCE OF:

100 EAST PROPERTIES LLC

By: 

Name: **HASSAN DHARSI**
Title: **MEMBER**

*STATE OF NEW YORK)
COUNTY OF NASSAU)SS.:

On the 30th day of November in the year 2021 before me, the undersigned, a Notary Public in and for said State, personally appeared HASSAN DHARSI personally known to me or proved to me on the basis of satisfactory evidence to be the individuals whose name is subscribed to the within instrument and acknowledged to me that they executed the same in their capacity, and that by their signatures on the instrument, the individuals, or the person upon behalf of which the individuals acted, executed the instrument.

Vincent A. Albanese
Signature and Office of
Individual taking acknowledgment

VINCENT A. ALBANESE
Notary Public, State Of New York
No. 02ALE008960
Qualified In Nassau County
Commission Expires March 8, 20 23

*STATE OF NEW YORK)
COUNTY OF)SS.:

On the ____ day of ____ in the year 2021 before me, the undersigned, a Notary Public in and for said State, personally appeared ____ personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Signature and Office of
Individual taking acknowledgment

- * For acknowledgments taken in New York State
** State, District of Columbia, Territory, Possession, or Foreign Country

STATE OF _____)
COUNTY OF _____) ss.:

On the ____ day of ____ in the year 2021 before me, the undersigned, personally appeared ____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument, and that such individual made such appearance before the undersigned in the _____. (Insert the city or other political subdivision and the state or country or other place the acknowledgment was taken).

Signature and Office of
Individual taking acknowledgment

- ** For acknowledgments taken outside of New York State.

Bargain and Sale Deed
WITH COVENANT AGAINST GRANTOR'S ACTS
TITLE NO. _____

SECTION: 37
BLOCK: 75
LOT: 20-24, 25-30, & 49-51

RECORD AND RETURN TO:

100 EAST PROPERTIES LLC

TO
SITE 100 LLC

Nicholas Kordas, Esq.
5-44 47th Avenue
Long Island City, New York 11101

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

SCHEDULE A DESCRIPTION - AMENDED

ALL that certain plot, piece or parcel of land, situate, lying and being in the Incorporated Village of Valley Stream, in the Town of Hempstead, County of Nassau and State of New York, known as and by the Lots Numbers 20 to 30 (both inclusive) and 49 to 51 (both inclusive), on a certain map entitled, "Map of Property belonging to I. Lang and M. Stern, Valley Stream, L.I., New York, December, 1905, John S. Newman, C.E. and Surveyor, Woodmere, L.I.," and filed in the Nassau County Clerk's Office as Map Number 136, Case Number 1287, which said Lots, when taken together, are more particularly bounded and described as follows:

BEGINNING at the corner formed by the intersection of the southerly line of Mineola Avenue (E. Mineola Ave.) with the westerly line of the property belonging to the Hempstead Branch of the Long Island Railroad;

RUNNING THENCE westerly along the southerly line of Mineola Avenue and on a course, North 60 degrees 34 minutes 00 seconds West, 297.58 feet;

RUNNING THENCE South 39 degrees 56 minutes 00 seconds West, 101.74 feet (101.70 feet calc.);

THENCE South 60 degrees 34 minutes 00 seconds East, 150.00 feet;

THENCE South 39 degrees 56 minutes 00 seconds West, 101.74 feet (101.70 feet calc.) to the northerly side of E. Valley Stream Blvd. (New York Avenue);

THENCE on a course, South 60 degrees 34 minutes 00 seconds East, 55.50 feet (55.51 feet calc.) to the westerly line of the Hempstead Branch of the Long Island Railroad;

THENCE northeasterly along the westerly line of the Hempstead Branch of the Long Island Railroad on a course North 62 degrees 17 minutes 00 seconds East, 238.16 feet (238.07 feet calc.) to the point or place of BEGINNING.

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE ENVIRONMENTAL CONSERVATION LAW.

FOR INFORMATION ONLY, NOT INSURED: SAID PREMISES BEING KNOWN AS AND BY:
100 EAST MINEOLA AVENUE, VALLEY STREAM, NY

SECTION: 37
BLOCK: 75
LOT: 20-30 and 49-51
COUNTY: NASSAU

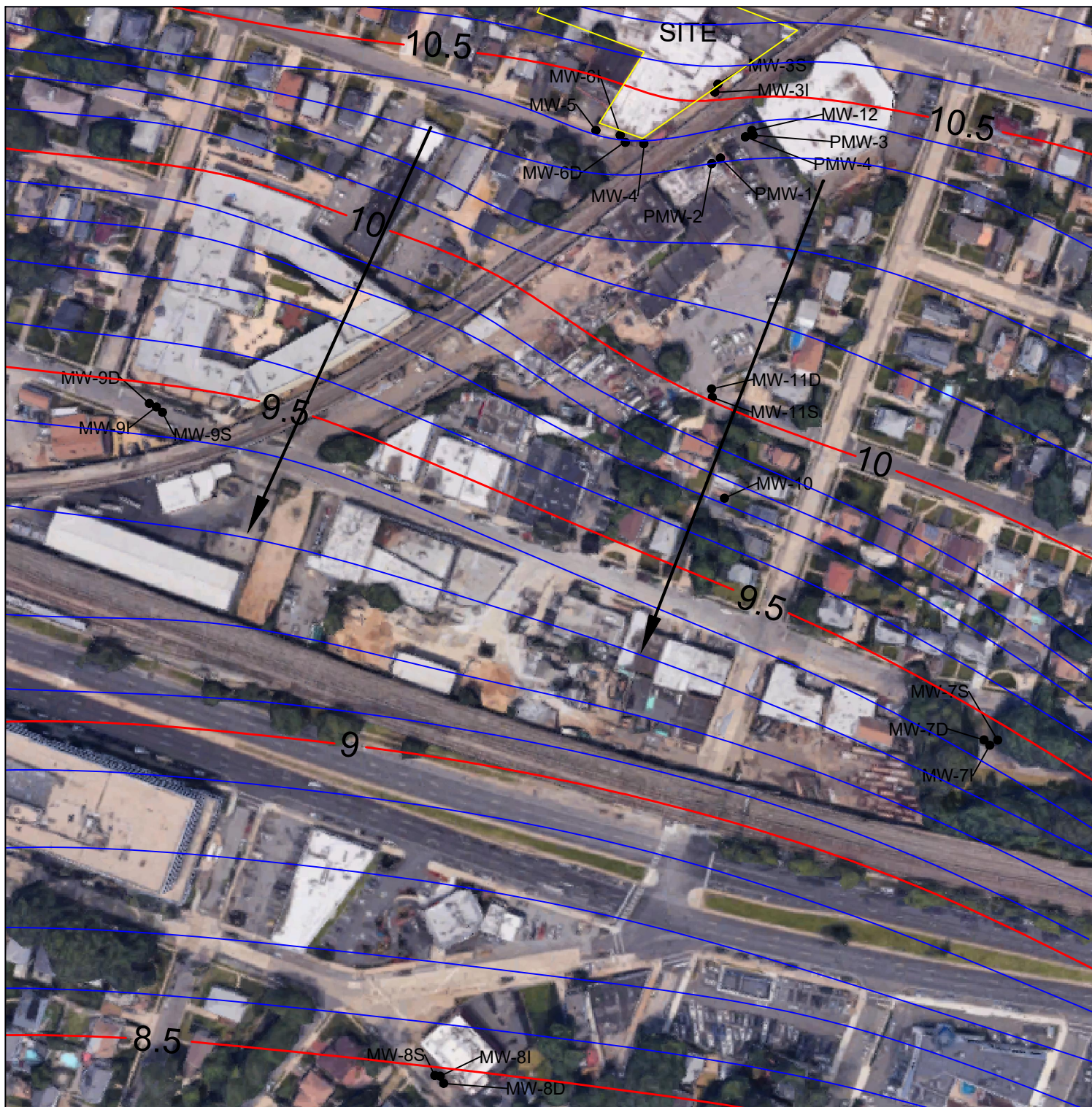


Figure 1
December 2019
Groundwater Flow Contour

2019 Annual Report
100 East Mineola Ave
Valley Stream, NY

Legend:

- Major Groundwater Contour Line
- Minor Groundwater Contour Line
- Monitoring Well
- ← Flow Direction

Former Sid Harvey Site
100 East Mineola
Valley Stream, New York

Table 3: January 29, 2024 Water Level and Well Depth Measurements

Well	Identification	Depth to Water (Feet Below Grade)	Depth to Bottom (Feet Below Grade)	Notes
	MW-1			unable to locate
	MW-2	7.28	20.26	
	MW-3S	8.30	20.27	
	MW-3I	8.45	83.10	Sampled
	MW-4	7.94	19.36	
	MW-5	8.13	18.74	
	MW-6I			covered by water
	MW-6D			" "
	MW-7S			unable to locate/obstructed
	MW-7I	7.91	89.86	
	MW-7D			unable to locate/obstructed
	MW-8S	7.27	30.01	hailer present
	MW-8I	7.36	89.44	
	MW-8D	8.11	>100	
	MW-9S	9.29	3.15	
	MW-9I	9.21	84.22	
	MW-9D	10.28	>100	
	MW-10	7.28	78.10	
	MW-11S	4.68	34.95	
	MW-11D			unable to locate
	MW-12	7.62	81.44	sampled + duplicate
	PMW-1			Obstructed-unable to locate
	PMW-2	7.36	14.84	
	PMW-3			obstructed-unable to locate
	PMW-4			obstructed-unable to locate

covered
by
plywood,
unable to
lift

Project: Sid Harvey Site: _____ Well Identification: MW-3I Date: 1/29/24
 Well Depth: 83.10 Screen Legth: 10 ft Well Diameter: 2 in Casing Type: PVC
 Sampling Device: Peristaltic Pump HDPE Water Level: 8.45
 Additional Information: 13:54 Sample collected DUP Collected

Sampling Personnel: KT

Time	Conductivity (ms/cm)	pH (S.U.)	TDS (g/l)	DO (mg/l)	ORP (mV)	Temperature (°C)	Turbidity (NTUs)
-	3%	+/- 0.1 S.U.	-	10%	+/- 10 mV	3%	10%
13:10	0.120	4.68	0.082	8.21	129	15.04	0.0
13:15	0.159	3.81	0.107	5.62	397	13.66	0.0
13:28	0.335	4.21	0.215	2.95	424	13.89	0.0
13:33	0.312	4.12	0.203	1.81	422	13.56	0.0
13:38	0.317	4.15	0.206	1.46	412	13.14	0.0
13:43	0.321	4.14	0.209	1.22	398	12.89	0.0
13:48	0.326	4.12	0.212	1.11	388	12.70	0.0
13:53	0.328	4.15	0.214	1.00	379	12.62	0.0

Pre-cal
horiba
due to
low pH

Project: Sid Harvey Site: _____ Well Identification: MW-12 Date: 1/29/24
 Well Depth: 81.44 Screen Legth: 10' Well Diameter: 2 in Casing Type: PVC
 Sampling Device: Peristaltic Pump HDPE Water Level: 7.62
 Additional Information: 10:43 Sample collected ✓ DUP Collected MW-XX
 * pH not calibrated on Horiba, calibration would not work (pH not stable)
 - Attempted Field calibration @ 10:06
 Sampling Personnel: KT

Time	Conductivity (ms/cm)	pH (S.U.) [*]	TDS (g/l)	DO (mg/l)	ORP (mV)	Temperature (°C)	Turbidity (NTUs)
-	3%	+/- 0.1 S.U.	-	10%	+/- 10 mV	3%	10%
09:25	0.321	3.93	0.209	3.95	-98	11.88	0.0
09:30	0.329	4.01	0.214	2.42	-82	12.28	0.0
09:35	0.334	3.66	0.217	1.01	-70	12.63	0.0
09:40	0.335	3.54	0.218	0.34	-63	12.75	0.0
09:45	0.337	3.39	0.219	0.16	-56	12.71	0.0
09:50	0.339	3.17	0.221	0.14	-43	12.96	0.0
09:55	0.342	2.95	0.223	0.14	-31	13.03	0.0
10:24	0.366	2.17	0.238	2.18	32	11.09	0.0
10:29	0.362	2.36	0.235	0.53	4	12.47	0.0
10:34	0.361	2.40	0.235	0.00	-4	12.76	0.0
10:39	0.361	2.43	0.235	0.00	-9	13.01	0.0
10:44	0.360	2.41	0.234	0.00	-10	13.11	0.0

Attempted
 Field
 Calibration

Project: Annual Sampling Site: Sid Harvey Well Identification: MW-61 Date: 2/9/24
 Well Depth: 89.12' BG Screen Length: 20' Well Diameter: 2" Casing Type: PVC
 Sampling Device: Peristaltic Pump Tubing Type: HDPE Water Level: 8.28
 Additional Information: Sample collected at 11:25, GW had a sulfur smell.

Sampling Personnel: DT

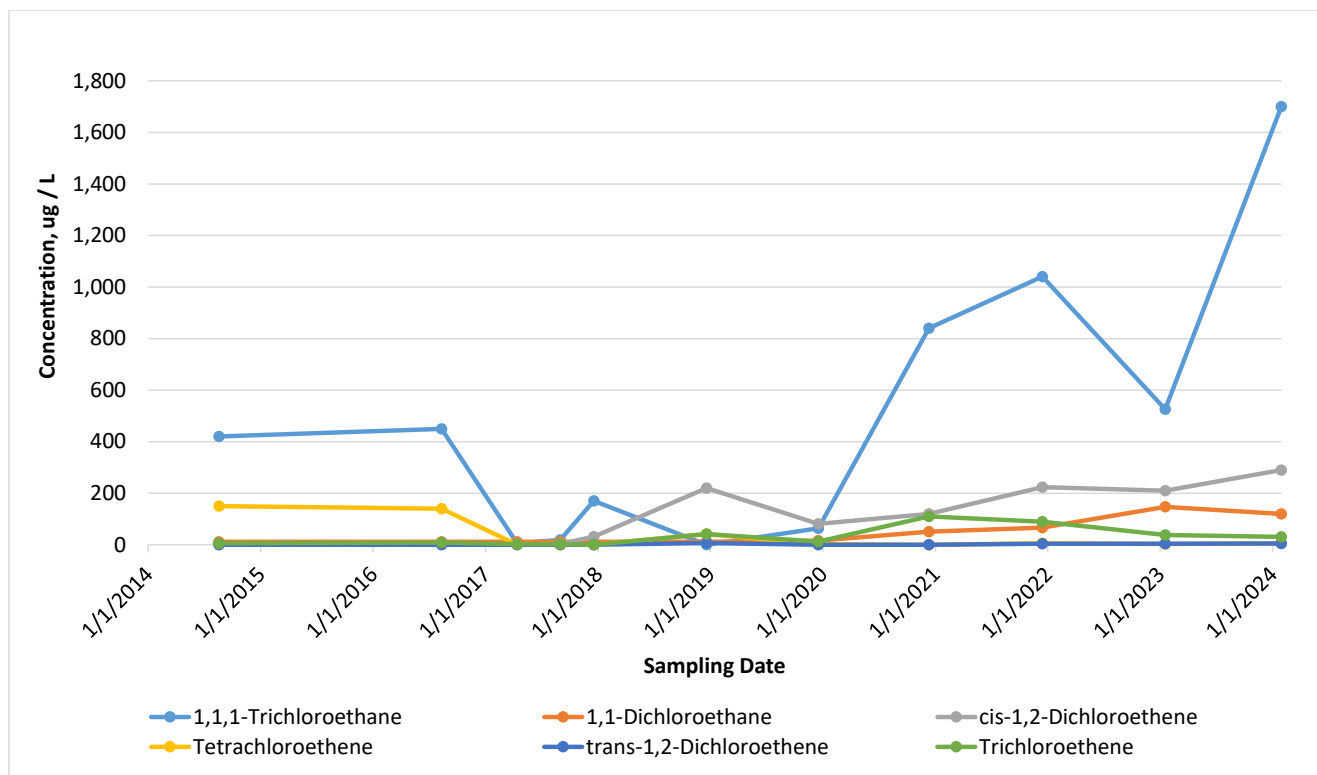
<u>Time</u>	<u>Conductivity (ms/cm)</u>	<u>pH (S.U.)</u>	<u>TDS (g/l)</u>	<u>DO (mg/l)</u>	<u>ORP (mV)</u>	<u>Temperature (°C)</u>	<u>Turbidity (NTUs)</u>
-	3%	+/- 0.1 S.U.	-	10%	+/- 10 mV	3%	10%
10:33	0.871	6.13	0.387	0.83	-13	15.62	51.0
10:43	0.640	5.75	0.338	0.17	-27	15.56	30.8
10:53	0.571	5.64	0.338	0.00	-61	15.45	14.6
11:03	0.566	5.58	0.339	0.00	-68	15.40	16.2
11:13	0.562	5.55	0.337	0.00	-73	15.36	15.4
11:23	0.559	5.54	0.332	0.00	-75	15.34	2.8

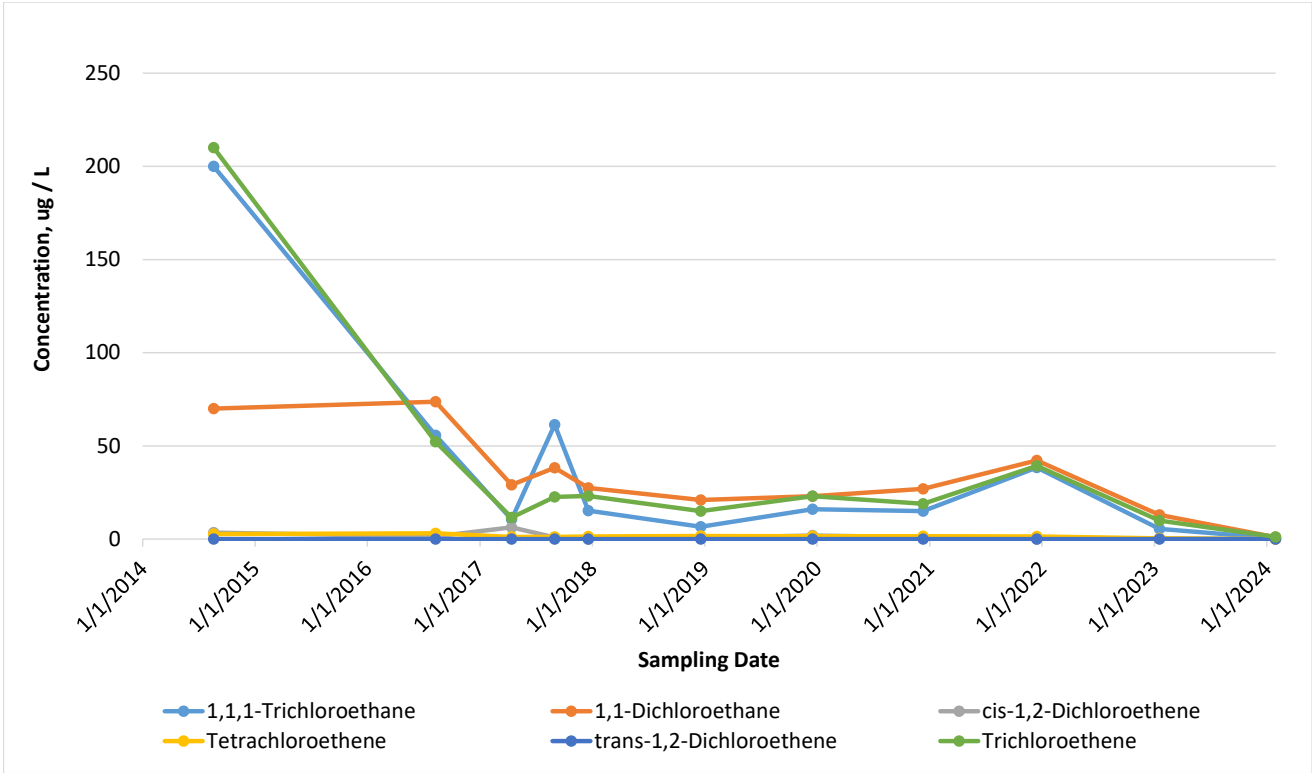
Annual Groundwater Sampling Results: Compared to previous Groundwater Sampling Results

Notes:	Notes:	Notes:
- Not Detected	- Not Detected	- Not Detected

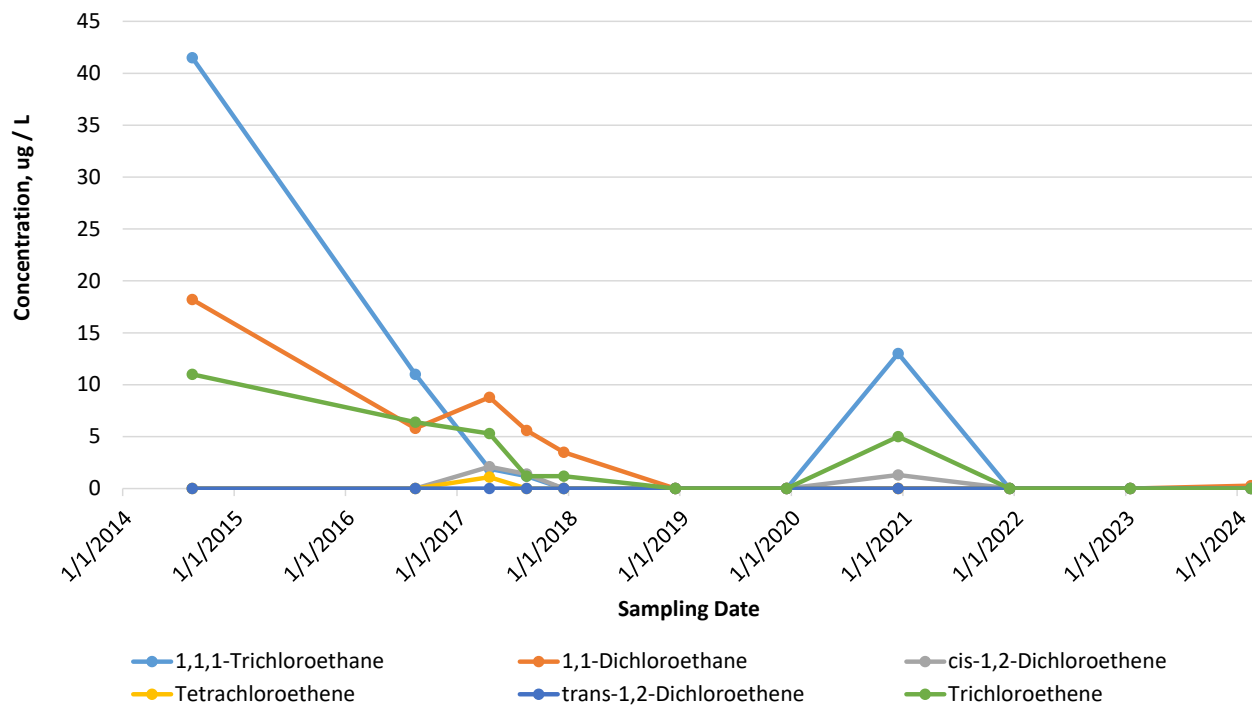
Annual Groundwater Sampling Results: Compared to previous Groundwater Sampling Results

- Not Detected





MW-6I



Sid Harvey Industries
Valley Stream, New York
Soil Vapor Extraction System
Table 1
System Operation Log

Dates From: 1/1/2022 To: 11/30/2024

Inspection Date	Check Alarm Lights (in the alarm and system)				Pressure Measurements in H2O		Vacuum Measurements ("HG2D)							Temperature (°F)	Flow Rate (gpm)	Operator	
	KO Down	Low Vacuum	Blower Exhaust	Blower Exhaust	Blower Exhaust	Particulate Filter	RO Turret	SVS-1	SVS-2	SVS-3	SVS-4	SVS-5	SVS-6				
01/13/2022																NAA/Gate to SVS building	
01/17/2022	N/A	N/A	N/A		58	56	44	38	42	46	off	42	off	86		115	NAA
02/16/2022	N/A	N/A	N/A		58	56	44	36	44	46	off	42	off	87		115	NAA
02/21/2022	N/A	N/A	N/A		58	58	44	36	44	46	off	42	off	89		115	NAA
03/14/2022	N/A	N/A	N/A		56	54	44	36	42	46	off	44	off	88		115	NAA
03/28/2022	N/A	N/A	N/A		56	54	44	36	42	45	off	42	off	88		115	NAA
04/13/2022	N/A	N/A	N/A		57	52	44	36	42	46	off	44	off	102		115	NAA
04/28/2022	N/A	N/A	N/A		56	54	44	36	42	46	off	42	off	95		115	NAA
05/28/2022	N/A	N/A	N/A		54	52	44	36	42	44	off	41	off	104		115	NAA
06/01/2022	N/A	N/A	N/A		54	52	44	38	42	44	off	40	off	126		115	NAA
06/05/2022	N/A	N/A	N/A		52	52	44	38	42	44	off	42	off	121		115	NAA
06/22/2022	N/A	N/A	N/A		54	52	44	38	42	46	off	39	off	112		115	NAA
7/1/2022	N/A	N/A	N/A		54	52	44	34	42	46	off	44	off	125		115	NAA
7/26/2022	N/A	N/A	N/A		54	52	46	34	42	46	off	39	off	124		115	NAA
8/11/2022	N/A	N/A	N/A		54	52	44	36	42	46	off	36	off	124		115	NAA
09/13/2022	N/A	N/A	N/A		54	52	46	36	42	46	off	37	off	122		115	NAA
09/28/2022	N/A	N/A	N/A		54	52	44	34	40	46	off	36	off	119		115	NAA
10/04/2022	N/A	N/A	N/A		55	54	46	36	44	48	off	38	off	96		115	NAA
10/13/2022	N/A	N/A	N/A		54	52	46	36	42	46	off	44	off	110		115	NAA
11/02/2022	N/A	N/A	N/A		56	54	46	36	44	46	off	40	off	95		115	NAA
11/28/2022	N/A	N/A	N/A		55	53	46	36	42	47	off	40	off	94		115	NAA
12/09/2022	N/A	N/A	N/A		56	54	44	38	42	46	off	42	off	88		115	NAA
12/13/2022	N/A	N/A	N/A		56	52	46	38	42	46	off	42	off	89		115	NAA
12/30/2022																NAA returned/blower	
12/29/2022	N/A	N/A	N/A		55	53	44	36	42	46	off	42	off	89		115	NAA
1/06/2023	N/A	N/A	N/A		56	56	46	32	42	46	off	39	off	72		115	KP
1/27/2023	N/A	N/A	N/A		55	56	46	38	42	45	off	42	off	90		115	NAA
2/9/2023	N/A	N/A	N/A		52	56	46	39	42	46	off	39	off	90		115	NAA
3/17/2023	N/A	N/A	N/A		54	54	48	38	42	48	off	36	off	92		115	NAA
3/30/2023	N/A	N/A	N/A		53	53	40	36	42	49	off	36	off	84		115	NAA
4/7/2023	N/A	N/A	N/A		53	53	46	36	42	49	off	36	off	92		115	NAA
4/20/2023	N/A	N/A	N/A		56	56	46	34	42	48	off	42	off	94		115	NAA
4/24/2023	N/A	N/A	N/A		56	56	46	32	42	46	off	44	off	96		115	NAA
4/25/2023	N/A	N/A	N/A		55	53	48	34	42	46	off	42	off	96		115	NAA
5/8/2023	N/A	N/A	N/A		52	53	45	35	40	46	off	45	off	94		115	NAA
5/17/2023	N/A	N/A	N/A		52	52	45	35	40	46	off	45	off	94		115	NAA
6/7/2023	N/A	N/A	N/A		53	53	44	36	42	46	off	45	off	94		115	NAA
6/13/2023	N/A	N/A	N/A		52	52	42	35	40	45	off	38	off	1207		115	NAA
7/3/2023	N/A	N/A	N/A		52	52	42	35	40	46	off	39	off	120		115	NAA
7/17/2023	N/A	N/A	N/A		50	52	44	35	40	46	off	42	off	122		115	NAA
8/16/2023	N/A	N/A	N/A		52	54	42	35	40	46	off	46	off	114		115	NAA
9/12/2023	N/A	N/A	N/A		52	54	42	35	40	44	off	42	off	124		115	NAA
9/29/2023	N/A	N/A	N/A		52	52	42	35	38	44	off	42	off	118		115	NAA
10/11/2023	N/A	N/A	N/A		54	56	46	36	42	46	off	46	off	104		120	NAA
10/18/2023	N/A	N/A	N/A		54	56	46	38	42	48	off	54	off	110		120	NAA
11/7/2023	N/A	N/A	N/A		52	52	42	35	40	45	off	42	off	105		120	NAA
11/22/2023	N/A	N/A	N/A		52	54	46	34	42	48	off	42	off	105		120	NAA
12/6/2023	N/A	N/A	N/A		56	56	46	34	42	46	off	42	off	86		120	NAA
12/18/2023	N/A	N/A	N/A		56	56	46	34	42	46	off	46	off	84		120	NAA
12/29/2023	N/A	N/A	N/A		54	54	46	34	42	46	off	45	off	84		120	NAA
1/9/2024	N/A	N/A	N/A		56	56	46	34	40	46	off	45	off	82		120	N/A
1/21/2024	N/A	N/A	N/A		56	56	46	34	44	46	off	39	off	82		120	N/A
1/16/2024	N/A	N/A	N/A		57	57	48	34	44	46	off	48	off	89		120	NAA
2/12/2024	N/A	N/A	N/A		54	54	46	34	42	46	off	44	off	86		120	NAA
2/26/2024	N/A	N/A	N/A		56	56	48	34	42	48	off	45	off	82		120	NAA
3/26/2024	N/A	N/A	N/A		54	54	46	32	44	46	off	46	off	104		120	NAA
4/24/2024	N/A	N/A	N/A		54	54	46	32	42	46	off	46	off	104		120	NAA
5/20/2024	N/A	N/A	N/A		54	54	46	34	40	47	off	40	off	120		120	NAA
5/15/2024	N/A	N/A	N/A		54	54	46	34	40	46	off	46	off	120		120	N/A
6/26/2024	N/A	N/A	N/A		54	54	46	36	40	46	off	46	off	120		120	N/A
7/20/2024	N/A	N/A	N/A		54	54	46	36	40	46	off	46	off	120		120	N/A
7/25/2024	N/A	N/A	N/A		52	54	44	32	40	44	off	47	off	124		120	N/A
8/7/2024	N/A	N/A	N/A		54	54	46	36	42	47	off	49	off	110		120	N/A
08/28/2024	N/A	N/A	N/A		54	54	44	34	38	46	off	36	off	102		122	N/A
09/08/2024	N/A	N/A	N/A		54	54	42	34	38	45	off	39	off	102		122	N/A
11/17/2024	N/A	N/A	N/A		54	52	44	34	38	44	off	36	off	99		122	N/A

RO Down	
Blower Filter Replaced	
Follow-up Water Removal completed	
12/10/2021	30
12/23/2021	30
12/28/2021	5
2022	No significant accumulation

Flow rate measured using a Blower hot wire anemometer.
1/13/2022 PPD VEGAC 1, R-Appex VEGAC 2 & 3 ppm
2/6/2022 PPD VEGAC 1, R-Appex VEGAC 2 & 3 ppm
2/23/2022 Blower anemometer using 120-700P R270-22 meter 1230, checked inlet air stream for moisture

Cap Inspection Form

100 East Mineola Ave, Valley Stream New York

Person Performing the Inspection: Keith Butler and NICHOLAS A. ANDRIANAS, P.E.

Weather Conditions: Cloudy 62F Winds SSE 18MPH Date: 10/29/2024

YES NO X

Are there any areas from which the asphalt or concrete cap has been removed?

Describe the Number, Size, and Location of areas:

YES NO X

Are there any areas of damaged or degraded asphalt or concrete,
or loose aggregate?

Number, Size, and Location of the areas:

YES NO X

Are there any significant discontinuities in the asphalt or concrete cap?

Number, Length, and Location of the discontinuities:

YES NO X

Are there any depressions or sink holes in the asphalt cap?

Number, Size, and Location of the depressions:

YES NO X

Are there any areas of the asphalt that could not be inspected?

Number, Size, and Location of the areas, and reason(s) why the areas could not be inspected:

YES NO X

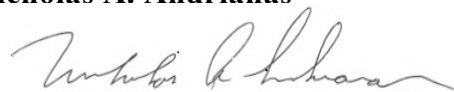
Are there any heavy vehicles or equipment parked on the asphalt

cap? Number, Location, and Description of these vehicles: yes 2

light trucks in east driveway.

Sketch any observed areas of concern: None

Name: Nicholas A. Andrianas

Signature: 

Date: 10/29/2024



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Preferred Environmental Services
SID HARVEY

GCP97096

Ver 1

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Sunday, February 18, 2024

Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Project ID: SID HARVEY
SDG ID: GCP97096
Sample ID#s: CP97096 - CP97099

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Preferred Environmental Services
Project: SID HARVEY
Laboratory Project: GCP97096



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NY Analytical Services Protocol Format

February 18, 2024

SDG I.D.: GCP97096

Preferred Environmental Services SID HARVEY

Methodology Summary

General Chemistry

Standard Methods for the Examination of Waste and Wastewater, 18th edition
Methods for Chemical Analyses of Water and Wastes, EPA, Environmental Monitoring Systems Laboratory
Cincinnati (EMSL-CL), EPA-600/4-79-020.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV,
Method 6010D.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471B

Total Organic Carbon

Standard Methods for the Examination of Waste and Wastewater, 18th edition. method 5310B

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III,
Method 8260D and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods
624) as printed in 40CFR part 136.



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NY Analytical Services Protocol Format

February 18, 2024

SDG I.D.: GCP97096

Preferred Environmental Services SID HARVEY

Laboratory Chronicle

The samples in this delivery group were received at 2.1°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CP97096	Iron	01/29/24	02/01/24	02/02/24	TH	Y
CP97096	Manganese	01/29/24	02/01/24	02/02/24	TH	Y
CP97096	Nitrate as Nitrogen	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97096	Nitrite as Nitrogen	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97096	Sulfate	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97096	Total Organic Carbon	01/29/24	01/31/24	01/31/24	EG	Y
CP97096	Volatiles	01/29/24	02/05/24	02/05/24	MH	Y
CP97097	Iron	01/29/24	02/01/24	02/02/24	TH	Y
CP97097	Manganese	01/29/24	02/01/24	02/02/24	TH	Y
CP97097	Nitrate as Nitrogen	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97097	Nitrite as Nitrogen	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97097	Sulfate	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97097	Total Organic Carbon	01/29/24	01/31/24	01/31/24	EG	Y
CP97097	Volatiles	01/29/24	02/05/24	02/05/24	MH	Y
CP97098	Iron	01/29/24	02/01/24	02/02/24	TH	Y
CP97098	Manganese	01/29/24	02/01/24	02/02/24	TH	Y
CP97098	Nitrate as Nitrogen	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97098	Nitrite as Nitrogen	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97098	Sulfate	01/29/24	01/30/24	01/30/24	BS/GD	Y
CP97098	Total Organic Carbon	01/29/24	01/31/24	01/31/24	EG	Y
CP97098	Volatiles	01/29/24	02/05/24	02/05/24	MH	Y
CP97099	Volatiles	01/29/24	02/01/24	02/01/24	MH	Y



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

February 18, 2024

SDG I.D.: GCP97096

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

February 18, 2024

SDG I.D.: GCP97096

Project ID: SID HARVEY

Client Id	Lab Id	Matrix
MW-12	CP97096	GROUND WATER
MW-3I	CP97097	GROUND WATER
MW-XX	CP97098	GROUND WATER
TRIP BLANK	CP97099	WATER



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 18, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information

Matrix: GROUND WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#: NACC-21-210

Custody Information

Collected by: KT
Received by: SW
Analyzed by: see "By" below

Date

01/29/24
01/30/24

Time

10:45
16:48

Laboratory Data

SDG ID: GCP97096
Phoenix ID: CP97096

Project ID: SID HARVEY
Client ID: MW-12

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Iron	4.08	0.01	0.01	mg/L	1	02/02/24	TH	SW6010D
Manganese	0.315	0.005	0.001	mg/L	1	02/02/24	TH	SW6010D
Nitrite as Nitrogen	ND	0.01	0.004	mg/L	1	01/30/24 19:42	BS/GD	E300.0
Nitrate as Nitrogen	0.13	0.05	0.01	mg/L	1	01/30/24 19:42	BS/GD	E300.0
Sulfate	19.4	5.0	2.5	mg/L	1	01/30/24	BS/GD	E300.0
Total Organic Carbon	2.3	1.0	1.0	mg/L	1	01/31/24	EG	SM5310B-14
Total Metals Digestion	Completed					02/01/24	AG	SW3010A

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1,1-Trichloroethane	1700	D 500	25	ug/L	100	02/05/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1-Dichloroethane	120	25	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1-Dichloroethene	100	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1-Dichloropropene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2,3-Trichloropropane	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2,4-Trimethylbenzene	2.6	J 5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	2.5	2.5	ug/L	5	02/02/24	MH	SW8260D
1,2-Dibromoethane	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2-Dichlorobenzene	3.3	J 4.7	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2-Dichloroethane	ND	2.5	2.5	ug/L	5	02/02/24	MH	SW8260D
1,2-Dichloropropane	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,3-Dichlorobenzene	ND	3.0	1.3	ug/L	5	02/02/24	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,3-Dichloropropane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,4-Dichlorobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
2,2-Dichloropropane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
2-Chlorotoluene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
2-Hexanone	ND	13	13	ug/L	5	02/02/24	MH	SW8260D
2-Isopropyltoluene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
4-Chlorotoluene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
4-Methyl-2-pentanone	ND	13	13	ug/L	5	02/02/24	MH	SW8260D
Acetone	ND	25	13	ug/L	5	02/02/24	MH	SW8260D
Acrolein	ND	13	13	ug/L	5	02/02/24	MH	SW8260D
Acrylonitrile	ND	5.0	5.0	ug/L	5	02/02/24	MH	SW8260D
Benzene	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromochloromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromodichloromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromoform	ND	25	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromomethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Carbon Disulfide	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Carbon tetrachloride	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Chlorobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Chloroethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Chloroform	ND	7.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Chloromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
cis-1,2-Dichloroethene	290	D 50	13	ug/L	50	02/02/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
Dibromochloromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Dibromomethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Ethylbenzene	3.7	J 5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Hexachlorobutadiene	ND	1.0	1.0	ug/L	5	02/02/24	MH	SW8260D
Isopropylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
m&p-Xylene	9.5	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Methyl ethyl ketone	ND	13	13	ug/L	5	02/02/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Methylene chloride	ND	5.0	5.0	ug/L	5	02/02/24	MH	SW8260D
Naphthalene	ND	5.0	5.0	ug/L	5	02/02/24	MH	SW8260D
n-Butylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
n-Propylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
o-Xylene	3.7	J 5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
p-Isopropyltoluene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
sec-Butylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Styrene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
tert-Butylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Tetrachloroethene	5.4	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	25	13	ug/L	5	02/02/24	MH	SW8260D
Toluene	36	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
trans-1,2-Dichloroethene	4.8	J 5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	13	13	ug/L	5	02/02/24	MH	SW8260D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichloroethene	31	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Trichlorofluoromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Trichlorotrifluoroethane	5.7	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Vinyl chloride	ND	2.0	1.3	ug/L	5	02/02/24	MH	SW8260D
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (5x)	93			%	5	02/02/24	MH	70 - 130 %
% Bromofluorobenzene (5x)	95			%	5	02/02/24	MH	70 - 130 %
% Dibromofluoromethane (5x)	79			%	5	02/02/24	MH	70 - 130 %
% Toluene-d8 (5x)	96			%	5	02/02/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	92			%	50	02/02/24	MH	70 - 130 %
% Bromofluorobenzene (50x)	96			%	50	02/02/24	MH	70 - 130 %
% Dibromofluoromethane (50x)	86			%	50	02/02/24	MH	70 - 130 %
% Toluene-d8 (50x)	94			%	50	02/02/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (100x)	101			%	100	02/05/24	MH	70 - 130 %
% Bromofluorobenzene (100x)	97			%	100	02/05/24	MH	70 - 130 %
% Dibromofluoromethane (100x)	104			%	100	02/05/24	MH	70 - 130 %
% Toluene-d8 (100x)	100			%	100	02/05/24	MH	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

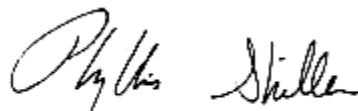
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 18, 2024

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 18, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information

Matrix: GROUND WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#: NACC-21-210

Custody Information

Collected by: KT
Received by: SW
Analyzed by: see "By" below

Date

01/29/24 13:54
01/30/24 16:48

Time

Laboratory Data

SDG ID: GCP97096
Phoenix ID: CP97097

Project ID: SID HARVEY
Client ID: MW-3I

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Iron	1.04	0.01	0.01	mg/L	1	02/02/24	TH	SW6010D
Manganese	0.615	0.005	0.001	mg/L	1	02/02/24	TH	SW6010D
Nitrite as Nitrogen	ND	0.01	0.004	mg/L	1	01/30/24 19:51	BS/GD	E300.0
Nitrate as Nitrogen	1.41	0.05	0.01	mg/L	1	01/30/24 19:51	BS/GD	E300.0
Sulfate	46.3	5.0	2.5	mg/L	1	01/30/24	BS/GD	E300.0
Total Organic Carbon	ND	1.0	1.0	mg/L	1	01/31/24	EG	SM5310B-14
Total Metals Digestion	Completed					02/01/24	AG	SW3010A

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,1,1-Trichloroethane	0.44	J 5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,1-Dichloroethane	0.99	J 5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	02/05/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	02/05/24	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	02/05/24	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	02/05/24	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	02/05/24	MH	SW8260D
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	02/05/24	MH	SW8260D
Acetone	ND	5.0	2.5	ug/L	1	02/05/24	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	02/05/24	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	02/05/24	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	02/05/24	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Bromomethane	ND	5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	02/05/24	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	02/05/24	MH	SW8260D
Isopropylbenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	02/05/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	02/05/24	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	02/05/24	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	02/05/24	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	02/05/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	02/05/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	02/05/24	MH	SW8260D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichloroethene	1.2	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	02/05/24	MH	SW8260D
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	02/05/24	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	02/05/24	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	02/05/24	MH	70 - 130 %
% Toluene-d8	100			%	1	02/05/24	MH	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

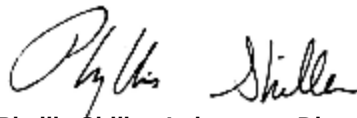
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 18, 2024

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 18, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information

Matrix: GROUND WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#: NACC-21-210

Custody Information

Collected by: KT
Received by: SW
Analyzed by: see "By" below

Date

01/29/24

Time

01/30/24 16:48

Laboratory Data

SDG ID: GCP97096
Phoenix ID: CP97098

Project ID: SID HARVEY
Client ID: MW-XX

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Iron	4.13	0.01	0.01	mg/L	1	02/02/24	TH	SW6010D
Manganese	0.274	0.005	0.001	mg/L	1	02/02/24	TH	SW6010D
Nitrite as Nitrogen	ND	0.01	0.004	mg/L	1	01/30/24 19:59	BS/GD	E300.0
Nitrate as Nitrogen	ND	0.05	0.01	mg/L	1	01/30/24 19:59	BS/GD	E300.0
Sulfate	20.5	5.0	2.5	mg/L	1	01/30/24	BS/GD	E300.0
Total Organic Carbon	2.2	1.0	1.0	mg/L	1	01/31/24	EG	SM5310B-14
Total Metals Digestion	Completed					02/01/24	AG	SW3010A

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1,1-Trichloroethane	1600	D 500	25	ug/L	100	02/05/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1-Dichloroethane	120	25	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1-Dichloroethene	99	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,1-Dichloropropene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2,3-Trichloropropane	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2,4-Trimethylbenzene	2.6	J 5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	2.5	2.5	ug/L	5	02/02/24	MH	SW8260D
1,2-Dibromoethane	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2-Dichlorobenzene	3.2	J 4.7	1.3	ug/L	5	02/02/24	MH	SW8260D
1,2-Dichloroethane	ND	2.5	2.5	ug/L	5	02/02/24	MH	SW8260D
1,2-Dichloropropane	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,3-Dichlorobenzene	ND	3.0	1.3	ug/L	5	02/02/24	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,3-Dichloropropane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
1,4-Dichlorobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
2,2-Dichloropropane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
2-Chlorotoluene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
2-Hexanone	ND	13	13	ug/L	5	02/02/24	MH	SW8260D
2-Isopropyltoluene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
4-Chlorotoluene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
4-Methyl-2-pentanone	ND	13	13	ug/L	5	02/02/24	MH	SW8260D
Acetone	ND	25	13	ug/L	5	02/02/24	MH	SW8260D
Acrolein	ND	13	13	ug/L	5	02/02/24	MH	SW8260D
Acrylonitrile	ND	5.0	5.0	ug/L	5	02/02/24	MH	SW8260D
Benzene	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromochloromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromodichloromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromoform	ND	25	1.3	ug/L	5	02/02/24	MH	SW8260D
Bromomethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Carbon Disulfide	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Carbon tetrachloride	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Chlorobenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Chloroethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Chloroform	ND	7.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Chloromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
cis-1,2-Dichloroethene	290	D 50	13	ug/L	50	02/02/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
Dibromochloromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Dibromomethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Ethylbenzene	3.6	J 5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Hexachlorobutadiene	ND	1.0	1.0	ug/L	5	02/02/24	MH	SW8260D
Isopropylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
m&p-Xylene	9.2	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Methyl ethyl ketone	ND	13	13	ug/L	5	02/02/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Methylene chloride	ND	5.0	5.0	ug/L	5	02/02/24	MH	SW8260D
Naphthalene	ND	5.0	5.0	ug/L	5	02/02/24	MH	SW8260D
n-Butylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
n-Propylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
o-Xylene	3.6	J 5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
p-Isopropyltoluene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
sec-Butylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Styrene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
tert-Butylbenzene	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Tetrachloroethene	5.2	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	25	13	ug/L	5	02/02/24	MH	SW8260D
Toluene	36	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
trans-1,2-Dichloroethene	4.8	J 5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	02/02/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	13	13	ug/L	5	02/02/24	MH	SW8260D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichloroethene	31	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Trichlorofluoromethane	ND	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Trichlorotrifluoroethane	5.5	5.0	1.3	ug/L	5	02/02/24	MH	SW8260D
Vinyl chloride	ND	2.0	1.3	ug/L	5	02/02/24	MH	SW8260D
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (5x)	92			%	5	02/02/24	MH	70 - 130 %
% Bromofluorobenzene (5x)	96			%	5	02/02/24	MH	70 - 130 %
% Dibromofluoromethane (5x)	80			%	5	02/02/24	MH	70 - 130 %
% Toluene-d8 (5x)	97			%	5	02/02/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	94			%	50	02/02/24	MH	70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	02/02/24	MH	70 - 130 %
% Dibromofluoromethane (50x)	91			%	50	02/02/24	MH	70 - 130 %
% Toluene-d8 (50x)	94			%	50	02/02/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (100x)	101			%	100	02/05/24	MH	70 - 130 %
% Bromofluorobenzene (100x)	96			%	100	02/05/24	MH	70 - 130 %
% Dibromofluoromethane (100x)	103			%	100	02/05/24	MH	70 - 130 %
% Toluene-d8 (100x)	99			%	100	02/05/24	MH	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit¹

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

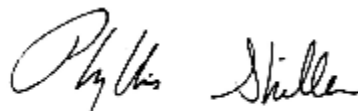
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 18, 2024

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 18, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information

Matrix: WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#: NACC-21-210

Custody Information

Collected by: KT
Received by: SW
Analyzed by: see "By" below

Date

01/29/24 15:45
01/30/24 16:48

Time

Laboratory Data

SDG ID: GCP97096
Phoenix ID: CP97099

Project ID: SID HARVEY
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	02/01/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	02/01/24	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	02/01/24	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	02/01/24	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	02/01/24	MH	SW8260D
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	02/01/24	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	02/01/24	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	02/01/24	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	02/01/24	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	02/01/24	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Bromomethane	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	02/01/24	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	02/01/24	MH	SW8260D
Isopropylbenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	02/01/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	02/01/24	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	02/01/24	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	02/01/24	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	02/01/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	02/01/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	02/01/24	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	02/01/24	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	91			%	1	02/01/24	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	02/01/24	MH	70 - 130 %
% Dibromofluoromethane	84			%	1	02/01/24	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	93			%	1	02/01/24	MH	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

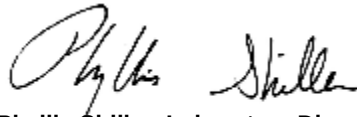
Comments:

TRIP BLANK INCLUDED.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 18, 2024

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



QA/QC Report

February 18, 2024

QA/QC Data

SDG I.D.: GCP97096

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 716611 (mg/L), QC Sample No: CP97097 (CP97096, CP97097, CP97098)													
<u>ICP Metals - Aqueous</u>													
Iron	BRL	0.010	1.04	1.06	1.90	101	103	2.0	96.6			80 - 120	20
Manganese	BRL	0.001	0.615	0.631	2.60	97.5	99.2	1.7	103			80 - 120	20



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QA/QC Report

February 18, 2024

QA/QC Data

SDG I.D.: GCP97096

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 716525 (mg/L), QC Sample No: CP96664 (CP97096, CP97097, CP97098)													
Total Organic Carbon	BRL	1.0	0.6	<1.0	NC	100			101			85 - 115	20
Comment: Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 716336 (mg/L), QC Sample No: CP96742 (CP97096, CP97097, CP97098)													
Nitrate as Nitrogen	BRL	0.05	0.69	0.75	8.30	92.0			106			90 - 110	20
Nitrite as Nitrogen	BRL	0.004	<0.004	<0.004	NC	102			92.4			90 - 110	20
Sulfate	BRL	5.0	15.8	16.4	NC	96.4			101			90 - 110	20



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QA/QC Report

February 18, 2024

QA/QC Data

SDG I.D.: GCP97096

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 716869 (ug/L), QC Sample No: CP96683 (CP97099)										
Volatiles - Water										
1,1,1,2-Tetrachloroethane	ND	1.0	105	102	2.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	94	94	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	90	92	2.2				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	89	92	3.3				70 - 130	30
1,1-Dichloroethane	ND	1.0	95	95	0.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	97	95	2.1				70 - 130	30
1,1-Dichloropropene	ND	1.0	108	103	4.7				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	91	95	4.3				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	90	93	3.3				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	94	96	2.1				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	105	101	3.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	84	89	5.8				70 - 130	30
1,2-Dibromoethane	ND	1.0	94	94	0.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	96	97	1.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	93	95	2.1				70 - 130	30
1,2-Dichloropropane	ND	1.0	95	95	0.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	107	102	4.8				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	100	98	2.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	91	93	2.2				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	99	97	2.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	94	94	0.0				70 - 130	30
2-Chlorotoluene	ND	1.0	103	101	2.0				70 - 130	30
2-Hexanone	ND	5.0	73	82	11.6				70 - 130	30
2-Isopropyltoluene	ND	1.0	107	103	3.8				70 - 130	30
4-Chlorotoluene	ND	1.0	102	99	3.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	77	83	7.5				70 - 130	30
Acetone	ND	5.0	82	86	4.8				70 - 130	30
Acrolein	ND	5.0	97	106	8.9				70 - 130	30
Acrylonitrile	ND	5.0	80	88	9.5				70 - 130	30
Benzene	ND	0.70	112	103	8.4				70 - 130	30
Bromobenzene	ND	1.0	100	100	0.0				70 - 130	30
Bromochloromethane	ND	1.0	90	97	7.5				70 - 130	30
Bromodichloromethane	ND	0.50	94	96	2.1				70 - 130	30
Bromoform	ND	1.0	90	95	5.4				70 - 130	30
Bromomethane	ND	1.0	111	109	1.8				70 - 130	30
Carbon Disulfide	ND	1.0	98	97	1.0				70 - 130	30
Carbon tetrachloride	ND	1.0	99	96	3.1				70 - 130	30
Chlorobenzene	ND	1.0	102	99	3.0				70 - 130	30
Chloroethane	ND	1.0	103	100	3.0				70 - 130	30
Chloroform	ND	1.0	90	93	3.3				70 - 130	30
Chloromethane	ND	1.0	85	93	9.0				70 - 130	30

QA/QC Data

SDG I.D.: GCP97096

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	95	95	0.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	93	96	3.2				70 - 130	30
Dibromochloromethane	ND	0.50	95	98	3.1				70 - 130	30
Dibromomethane	ND	1.0	91	95	4.3				70 - 130	30
Dichlorodifluoromethane	ND	1.0	93	91	2.2				70 - 130	30
Ethylbenzene	ND	1.0	104	99	4.9				70 - 130	30
Hexachlorobutadiene	ND	0.40	102	100	2.0				70 - 130	30
Isopropylbenzene	ND	1.0	108	103	4.7				70 - 130	30
m&p-Xylene	ND	1.0	104	100	3.9				70 - 130	30
Methyl ethyl ketone	ND	5.0	75	82	8.9				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	77	86	11.0				70 - 130	30
Methylene chloride	ND	1.0	88	92	4.4				70 - 130	30
Naphthalene	ND	1.0	89	96	7.6				70 - 130	30
n-Butylbenzene	ND	1.0	105	101	3.9				70 - 130	30
n-Propylbenzene	ND	1.0	108	102	5.7				70 - 130	30
o-Xylene	ND	1.0	102	99	3.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	106	103	2.9				70 - 130	30
sec-Butylbenzene	ND	1.0	106	102	3.8				70 - 130	30
Styrene	ND	1.0	102	99	3.0				70 - 130	30
tert-Butylbenzene	ND	1.0	107	103	3.8				70 - 130	30
Tetrachloroethene	ND	1.0	105	101	3.9				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	71	81	13.2				70 - 130	30
Toluene	ND	1.0	102	100	2.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	97	96	1.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	91	94	3.2				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	62	68	9.2				70 - 130	30
Trichloroethene	ND	1.0	104	103	1.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	97	95	2.1				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	97	95	2.1				70 - 130	30
Vinyl chloride	ND	1.0	101	99	2.0				70 - 130	30
% 1,2-dichlorobenzene-d4	94	%	96	98	2.1				70 - 130	30
% Bromofluorobenzene	98	%	99	101	2.0				70 - 130	30
% Dibromofluoromethane	85	%	90	93	3.3				70 - 130	30
% Toluene-d8	94	%	101	100	1.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 716979 (ug/L), QC Sample No: CP98023 (CP97096 (5X, 50X) , CP97098 (5X, 50X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	118	117	0.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	97	97	0.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	96	96	0.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	100	99	1.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	104	103	1.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	115	113	1.8				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	95	99	4.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	96	97	1.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	102	102	0.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	112	112	0.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	96	97	1.0				70 - 130	30
1,2-Dibromoethane	ND	1.0	100	98	2.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	105	104	1.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	98	98	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GCP97096

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloropropane	ND	1.0	100	101	1.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	113	113	0.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	107	106	0.9				70 - 130	30
1,3-Dichloropropane	ND	1.0	98	97	1.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	106	107	0.9				70 - 130	30
2,2-Dichloropropane	ND	1.0	96	99	3.1				70 - 130	30
2-Chlorotoluene	ND	1.0	112	112	0.0				70 - 130	30
2-Hexanone	ND	5.0	81	80	1.2				70 - 130	30
2-Isopropyltoluene	ND	1.0	114	114	0.0				70 - 130	30
4-Chlorotoluene	ND	1.0	111	110	0.9				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	81	83	2.4				70 - 130	30
Acetone	ND	5.0	76	89	15.8				70 - 130	30
Acrolein	ND	5.0	104	104	0.0				70 - 130	30
Acrylonitrile	ND	5.0	85	88	3.5				70 - 130	30
Benzene	ND	0.70	129	128	0.8				70 - 130	30
Bromobenzene	ND	1.0	108	107	0.9				70 - 130	30
Bromochloromethane	ND	1.0	94	96	2.1				70 - 130	30
Bromodichloromethane	ND	0.50	103	104	1.0				70 - 130	30
Bromoform	ND	1.0	109	108	0.9				70 - 130	30
Bromomethane	ND	1.0	111	114	2.7				70 - 130	30
Carbon Disulfide	ND	1.0	99	99	0.0				70 - 130	30
Carbon tetrachloride	ND	1.0	111	106	4.6				70 - 130	30
Chlorobenzene	ND	1.0	110	108	1.8				70 - 130	30
Chloroethane	ND	1.0	105	104	1.0				70 - 130	30
Chloroform	ND	1.0	95	96	1.0				70 - 130	30
Chloromethane	ND	1.0	91	92	1.1				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	95	99	4.1				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	100	101	1.0				70 - 130	30
Dibromochloromethane	ND	0.50	111	111	0.0				70 - 130	30
Dibromomethane	ND	1.0	99	99	0.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	89	89	0.0				70 - 130	30
Ethylbenzene	ND	1.0	111	110	0.9				70 - 130	30
Hexachlorobutadiene	ND	0.40	107	108	0.9				70 - 130	30
Isopropylbenzene	ND	1.0	114	116	1.7				70 - 130	30
m&p-Xylene	ND	1.0	110	109	0.9				70 - 130	30
Methyl ethyl ketone	ND	5.0	78	76	2.6				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	81	83	2.4				70 - 130	30
Methylene chloride	ND	1.0	91	93	2.2				70 - 130	30
Naphthalene	ND	1.0	95	97	2.1				70 - 130	30
n-Butylbenzene	ND	1.0	110	110	0.0				70 - 130	30
n-Propylbenzene	ND	1.0	115	116	0.9				70 - 130	30
o-Xylene	ND	1.0	109	108	0.9				70 - 130	30
p-Isopropyltoluene	ND	1.0	113	114	0.9				70 - 130	30
sec-Butylbenzene	ND	1.0	111	113	1.8				70 - 130	30
Styrene	ND	1.0	108	107	0.9				70 - 130	30
tert-Butylbenzene	ND	1.0	113	115	1.8				70 - 130	30
Tetrachloroethene	ND	1.0	112	112	0.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	78	77	1.3				70 - 130	30
Toluene	ND	1.0	109	109	0.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	101	103	2.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	97	98	1.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	75	77	2.6				70 - 130	30
Trichloroethene	ND	1.0	113	111	1.8				70 - 130	30

QA/QC Data

SDG I.D.: GCP97096

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichlorofluoromethane	ND	1.0	104	103	1.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	102	102	0.0				70 - 130	30
Vinyl chloride	ND	1.0	102	102	0.0				70 - 130	30
% 1,2-dichlorobenzene-d4	96	%	98	97	1.0				70 - 130	30
% Bromofluorobenzene	97	%	99	97	2.0				70 - 130	30
% Dibromofluoromethane	89	%	87	88	1.1				70 - 130	30
% Toluene-d8	93	%	101	100	1.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 717126 (ug/L), QC Sample No: CP99440 (CP97096 (100X) , CP97098 (100X))

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	104	107	2.8				70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	103	101	2.0				70 - 130	30
% Bromofluorobenzene	98	%	102	101	1.0				70 - 130	30
% Dibromofluoromethane	103	%	102	101	1.0				70 - 130	30
% Toluene-d8	99	%	100	100	0.0				70 - 130	30

QA/QC Batch 717121 (ug/L), QC Sample No: CP99720 (CP97097)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	112	108	3.6	98	103	5.0	70 - 130	30
1,1,1-Trichloroethane	ND	1.0	115	115	0.0	118	122	3.3	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	114	111	2.7	104	108	3.8	70 - 130	30
1,1,2-Trichloroethane	ND	1.0	118	115	2.6	105	109	3.7	70 - 130	30
1,1-Dichloroethane	ND	1.0	116	113	2.6	111	117	5.3	70 - 130	30
1,1-Dichloroethene	ND	1.0	120	117	2.5	120	128	6.5	70 - 130	30
1,1-Dichloropropene	ND	1.0	119	115	3.4	119	126	5.7	70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	117	113	3.5	110	116	5.3	70 - 130	30
1,2,3-Trichloropropane	ND	1.0	114	110	3.6	106	110	3.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	113	111	1.8	104	112	7.4	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	110	109	0.9	101	107	5.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	121	115	5.1	103	106	2.9	70 - 130	30
1,2-Dibromoethane	ND	1.0	123	118	4.1	110	116	5.3	70 - 130	30
1,2-Dichlorobenzene	ND	1.0	115	110	4.4	105	110	4.7	70 - 130	30
1,2-Dichloroethane	ND	1.0	121	114	6.0	109	115	5.4	70 - 130	30
1,2-Dichloropropane	ND	1.0	115	113	1.8	107	113	5.5	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	109	107	1.9	102	107	4.8	70 - 130	30
1,3-Dichlorobenzene	ND	1.0	110	107	2.8	101	107	5.8	70 - 130	30
1,3-Dichloropropane	ND	1.0	122	116	5.0	109	116	6.2	70 - 130	30
1,4-Dichlorobenzene	ND	1.0	113	108	4.5	103	109	5.7	70 - 130	30
2,2-Dichloropropane	ND	1.0	112	109	2.7	95	99	4.1	70 - 130	30
2-Chlorotoluene	ND	1.0	108	106	1.9	100	106	5.8	70 - 130	30
2-Hexanone	ND	5.0	129	126	2.4	103	107	3.8	70 - 130	30
2-Isopropyltoluene	ND	1.0	114	112	1.8	108	113	4.5	70 - 130	30
4-Chlorotoluene	ND	1.0	110	107	2.8	101	108	6.7	70 - 130	30
4-Methyl-2-pentanone	ND	5.0	120	116	3.4	113	119	5.2	70 - 130	30
Acetone	ND	5.0	124	117	5.8	118	127	7.3	70 - 130	30
Acrolein	ND	5.0	152	148	2.7	124	133	7.0	70 - 130	30
Acrylonitrile	ND	5.0	121	117	3.4	108	119	9.7	70 - 130	30
Benzene	ND	0.70	113	111	1.8	108	114	5.4	70 - 130	30
Bromobenzene	ND	1.0	108	105	2.8	98	104	5.9	70 - 130	30
Bromochloromethane	ND	1.0	114	115	0.9	109	113	3.6	70 - 130	30
Bromodichloromethane	ND	0.50	113	113	0.0	107	113	5.5	70 - 130	30

l,m

QA/QC Data

SDG I.D.: GCP97096

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bromoform	ND	1.0	102	101	1.0	91	95	4.3	70 - 130	30
Bromomethane	ND	1.0	114	119	4.3	99	108	8.7	70 - 130	30
Carbon Disulfide	ND	1.0	115	114	0.9	116	120	3.4	70 - 130	30
Carbon tetrachloride	ND	1.0	113	111	1.8	115	123	6.7	70 - 130	30
Chlorobenzene	ND	1.0	113	111	1.8	104	111	6.5	70 - 130	30
Chloroethane	ND	1.0	120	119	0.8	115	122	5.9	70 - 130	30
Chloroform	ND	1.0	114	114	0.0	110	116	5.3	70 - 130	30
Chloromethane	ND	1.0	110	101	8.5	97	101	4.0	70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	112	109	2.7	114	116	1.7	70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	112	111	0.9	101	108	6.7	70 - 130	30
Dibromochloromethane	ND	0.50	115	111	3.5	107	112	4.6	70 - 130	30
Dibromomethane	ND	1.0	118	113	4.3	106	112	5.5	70 - 130	30
Dichlorodifluoromethane	ND	1.0	112	110	1.8	105	108	2.8	70 - 130	30
Ethylbenzene	ND	1.0	113	109	3.6	107	113	5.5	70 - 130	30
Hexachlorobutadiene	ND	0.40	111	114	2.7	108	114	5.4	70 - 130	30
Isopropylbenzene	ND	1.0	108	105	2.8	104	109	4.7	70 - 130	30
m&p-Xylene	ND	1.0	112	110	1.8	107	113	5.5	70 - 130	30
Methyl ethyl ketone	ND	5.0	117	124	5.8	127	118	7.3	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	118	115	2.6	110	115	4.4	70 - 130	30
Methylene chloride	ND	1.0	110	107	2.8	101	105	3.9	70 - 130	30
Naphthalene	ND	1.0	119	115	3.4	110	114	3.6	70 - 130	30
n-Butylbenzene	ND	1.0	116	114	1.7	112	119	6.1	70 - 130	30
n-Propylbenzene	ND	1.0	107	106	0.9	104	109	4.7	70 - 130	30
o-Xylene	ND	1.0	109	109	0.0	105	109	3.7	70 - 130	30
p-Isopropyltoluene	ND	1.0	112	109	2.7	108	112	3.6	70 - 130	30
sec-Butylbenzene	ND	1.0	113	111	1.8	111	117	5.3	70 - 130	30
Styrene	ND	1.0	115	113	1.8	75	79	5.2	70 - 130	30
tert-Butylbenzene	ND	1.0	110	108	1.8	106	112	5.5	70 - 130	30
Tetrachloroethene	ND	1.0	113	110	2.7	105	113	7.3	70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	111	103	7.5	98	107	8.8	70 - 130	30
Toluene	ND	1.0	112	110	1.8	107	113	5.5	70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	113	112	0.9	111	118	6.1	70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	113	110	2.7	101	106	4.8	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	93	91	2.2	82	87	5.9	70 - 130	30
Trichloroethene	ND	1.0	112	111	0.9	114	123	7.6	70 - 130	30
Trichlorofluoromethane	ND	1.0	135	134	0.7	141	145	2.8	70 - 130	30 I,m
Trichlorotrifluoroethane	ND	1.0	132	131	0.8	138	147	6.3	70 - 130	30 I,m
Vinyl chloride	ND	1.0	119	118	0.8	116	120	3.4	70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	102	102	0.0	104	101	2.9	70 - 130	30
% Bromofluorobenzene	95	%	100	101	1.0	102	101	1.0	70 - 130	30
% Dibromofluoromethane	100	%	102	100	2.0	102	101	1.0	70 - 130	30
% Toluene-d8	100	%	100	100	0.0	100	100	0.0	70 - 130	30

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

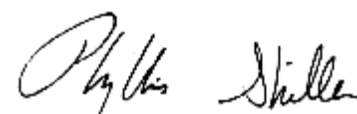
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
February 18, 2024

Sample Criteria Exceedances Report

GCP97096 - PREFRDNY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CP97096	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
CP97096	\$8260DP25R	1,1-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	100	5.0	5	5	ug/L
CP97096	\$8260DP25R	1,1-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	100	5.0	5	5	ug/L
CP97096	\$8260DP25R	Trichlorotrifluoroethane	NY / TAGM - Volatile Organics / Groundwater Standards	5.7	5.0	5	5	ug/L
CP97096	\$8260DP25R	Trichlorotrifluoroethane	NY / TOGS - Water Quality / GA Criteria	5.7	5.0	5	5	ug/L
CP97096	\$8260DP25R	1,1-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	120	25	5	5	ug/L
CP97096	\$8260DP25R	1,1-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	120	25	5	5	ug/L
CP97096	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	290	50	5	5	ug/L
CP97096	\$8260DP25R	1,1,1-Trichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	1700	500	5	5	ug/L
CP97096	\$8260DP25R	1,1,1-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	1700	500	5	5	ug/L
CP97096	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	1.3	0.7	0.7	ug/L
CP97096	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CP97096	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.6	0.6	ug/L
CP97096	\$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	31	5.0	5	5	ug/L
CP97096	\$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	31	5.0	5	5	ug/L
CP97096	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CP97096	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
CP97096	\$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	36	5.0	5	5	ug/L
CP97096	\$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	36	5.0	5	5	ug/L
CP97096	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
CP97096	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CP97096	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.0006	0.0006	ug/L
CP97096	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	5.4	5.0	5	5	ug/L
CP97096	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	5.4	5.0	5	5	ug/L
CP97096	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.04	0.04	ug/L
CP97096	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
CP97096	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
CP97096	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.5	0.5	ug/L
CP97096	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	4.08	0.01	0.3	0.3	mg/L
CP97096	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.315	0.005	0.3	0.3	mg/L
CP97097	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CP97097	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CP97097	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CP97097	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	1.04	0.01	0.3	0.3	mg/L
CP97097	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.615	0.005	0.3	0.3	mg/L
CP97098	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
CP97098	\$8260DP25R	1,1-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	99	5.0	5	5	ug/L
CP97098	\$8260DP25R	1,1-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	99	5.0	5	5	ug/L
CP97098	\$8260DP25R	Trichlorotrifluoroethane	NY / TAGM - Volatile Organics / Groundwater Standards	5.5	5.0	5	5	ug/L
CP97098	\$8260DP25R	Trichlorotrifluoroethane	NY / TOGS - Water Quality / GA Criteria	5.5	5.0	5	5	ug/L

Sample Criteria Exceedances Report

Criteria: NY: GW

GCP97096 - PREFRDNY

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CP97098	\$8260DP25R	1,1-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	120	25	5	5	ug/L
CP97098	\$8260DP25R	1,1-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	120	25	5	5	ug/L
CP97098	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	290	50	5	5	ug/L
CP97098	\$8260DP25R	1,1,1-Trichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	1600	500	5	5	ug/L
CP97098	\$8260DP25R	1,1,1-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	1600	500	5	5	ug/L
CP97098	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	1.3	0.7	0.7	ug/L
CP97098	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CP97098	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.6	0.6	ug/L
CP97098	\$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	31	5.0	5	5	ug/L
CP97098	\$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	31	5.0	5	5	ug/L
CP97098	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CP97098	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
CP97098	\$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	36	5.0	5	5	ug/L
CP97098	\$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	36	5.0	5	5	ug/L
CP97098	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
CP97098	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CP97098	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.0006	0.0006	ug/L
CP97098	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	5.2	5.0	5	5	ug/L
CP97098	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	5.2	5.0	5	5	ug/L
CP97098	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.04	0.04	ug/L
CP97098	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
CP97098	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
CP97098	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.5	0.5	ug/L
CP97098	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	4.13	0.01	0.3	0.3	mg/L
CP97099	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CP97099	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CP97099	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
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NY Temperature Narration

February 18, 2024

SDG I.D.: GCP97096

The samples in this delivery group were received at 2.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: Makrina Nolan, makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Customer: Preferred Environmental Services

Address: 323 Merrick Ave N. Merrick, NY 11566

Project: Sid Harvey

Report to: Bill Schlager

Invoice to: Bill Schlager

QUOTE # : _____

Phone: ☐
Fax: ☐
Email: ☐

Contact Options:

516-546-1100

Temp 41 C Pg of _____

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐

Project P.O.: NACC-21-210

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification		Analysis Request		
Sampler's Signature	Date	Analysis Request		
<u>Kennedy Thoney</u>	<u>01/29/24</u>			
Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe B=Bulk L=Liquid		OIL=Oil		
PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
97096	MW-12	GW	1/24/24	10:45
97097	MW-3I	GW		13:54
97098	MW-XX	GW		
97099	Trip blank	DI		15:45
Analysis Request				
Turnaround: ☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ 4 Days* ☐ 5 Days* ☒ Standard				
Res. Criteria ☐ Non-Res. Criteria ☐ Impact to GW Soil ☐ Cleanup Criteria ☐ Impact to GW soil screen Criteria ☐ GW Criteria ☐				
Data Package: ☐ NJ Reduced Deliv. * ☒ NY Enhanced (ASP B) *				
Date: <u>1/30/24</u> Time: <u>0845</u>				
Date: <u>1-30-24</u> Time: <u>1500</u>				
Date: <u>1/30/24</u> Time: <u>16:48</u>				
Data Format: ☒ Phoenix Std Report ☐ Excel ☐ PDF ☐ GIS/Key				
Data Package: ☐ NJ Reduced Deliv. * ☒ NY Enhanced (ASP B) *				
Comments, Special Requirements or Regulations: <u>97096-97099 MW-12, MW-3I, MW-XX, Trip blank</u>				
PA ☐ Clean Fill Limits ☐ PA-GW ☐ Reg Fill Limits ☐ PA Soil Restricted ☐ PA Soil non-restricted ☐ State Samples Collected? ☐				
NY ☒ TOGS GW ☐ CP-51 SOIL ☐ 375SCO ☐ Unrestricted Soil ☐ 375SCO ☐ Residential Soil ☐ 375SCO ☐ Residential ☐ Restricted Soil ☐ 375SCO ☐ Commercial Soil ☐ 375SCO ☐ Industrial Soil ☐ Subpart 5 DW ☐				
NJ ☐ Res. Criteria ☐ Non-Res. Criteria ☐ Impact to GW Soil ☐ Cleanup Criteria ☐ Impact to GW soil screen Criteria ☐ GW Criteria ☐				
PA ☐ Clean Fill Limits ☐ PA-GW ☐ Reg Fill Limits ☐ PA Soil Restricted ☐ PA Soil non-restricted ☐ State Samples Collected? ☐				



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Preferred Environmental Services

SID HARVEY

Laboratory Project: GCP97096

Volatiles (Water)

Ver 1

Organic Data Flags

LOD(MDL): Limit of Detection or Method Detection Limit
The minimum reportable concentration that can be measured with confidence.

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

Q Qualifiers:

- U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
- J - Indicates an estimated value, may indicate one of the following, depending on the situation:
 - a) The reported value is estimated and below the RL.
Compounds that are detected above MDL but below RL are qualified with a J flag.
 - b) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero.
 - c) QC associated with this analyte is within warning limits.
- X - The concentration is not reported. This quantitation file was not evaluated for this compound at this dilution; a volatile purging or related issue may be the cause.
- L - Biased Low
- N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.
- S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
- B - This compound was also present in the method blank
- D - The reported concentration is the result of a diluted analysis. Samples that require dilution may result in elevated reporting limits that exceed requested criteria for one or more analytes.
- E - The reported value is estimated because the concentration exceeded the calibration range.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
- Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.
- P - Percent difference is greater than 25% between the two GC columns and the lower result is reported.



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SDG: GCP97096

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

Form 1 (Analysis):

No observations noted.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CP96683 LCS

All LCS recoveries met criteria with the following exceptions: trans-1,4-Dichloro-2-butene 62%
All LCSD recoveries met criteria with the following exceptions: trans-1,4-Dichloro-2-butene 68%
All LCS/LCSD RPDs met criteria with the following exceptions: None.

Sample: CP98023 LCS

All LCS recoveries met criteria with the following exceptions: None.
All LCSD recoveries met criteria with the following exceptions: None.
All LCS/LCSD RPDs met criteria with the following exceptions: None.

Sample: CP99440 LCS

All LCS recoveries met criteria with the following exceptions: None.
All LCSD recoveries met criteria with the following exceptions: None.
All LCS/LCSD RPDs met criteria with the following exceptions: None.

Sample: CP99720 LCS

All LCS recoveries met criteria with the following exceptions: Trichlorofluoromethane 135%, Trichlorotrifluoroethane 132%, Acrolein 152%
All LCSD recoveries met criteria with the following exceptions: Trichlorofluoromethane 134%, Trichlorotrifluoroethane 131%, Acrolein 148%
All LCS/LCSD RPDs met criteria with the following exceptions: None.

Sample: CP99720 MS

All MS recoveries met criteria with the following exceptions: Trichlorofluoromethane 141%, Trichlorotrifluoroethane 138%
All MSD recoveries met criteria with the following exceptions: Trichlorofluoromethane 145%, Trichlorotrifluoroethane 147%, Acrolein 133%
All MS/MSD RPDs met criteria with the following exceptions: None.

Sample: CP99720 MS

All MS recoveries met criteria with the following exceptions: Trichlorofluoromethane 141%, Trichlorotrifluoroethane 138%
All MSD recoveries met criteria with the following exceptions: Trichlorofluoromethane 145%, Trichlorotrifluoroethane 147%, Acrolein 133%
All MS/MSD RPDs met criteria with the following exceptions: None.

Form 4 (Method Blank):

File: CHEM17 0201_06.D

All compounds were non-detect with the following exceptions: None.

File: CHEM17 0202_06.D



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SDG: GCP97096

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

All compounds were non-detect with the following exceptions: None.

File: CHEM02 0205_06.D

All compounds were non-detect with the following exceptions: None.

File: CHEM02 0205_32.D

All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM02 0203_07.D

All Tune criteria was met with the following exceptions: None.

File: CHEM02 0205_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM02 0205_28.D

All Tune criteria was met with the following exceptions: None.

File: CHEM17 0122_07.D

All Tune criteria was met with the following exceptions: None.

File: CHEM17 0201_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM17 0202_02.D

All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM02 02/03/24 - 02/03/24

97% of method compounds met criteria.

The following compounds did not meet % deviation criteria: Tetrahydrofuran (THF) 21.4% (20) , 1,2-Dibromo-3-Chloropropane 22.0% (20)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: Acrolein 0.014 (0.05) , Acrylonitrile 0.033 (0.05) , Bromochloromethane 0.094 (0.1) , Tetrahydrofuran (THF) 0.029 (0.05) , Trichloroethene 0.175 (0.2) , 1,2-dichloropropane 0.169 (0.2) , Bromodichloromethane 0.170 (0.3) , cis-1,3-Dichloropropene 0.218 (0.3) , trans-1,3-Dichloropropene 0.153 (0.3) , 1,1,2-Trichloroethane 0.074 (0.2) , Dibromochloromethane 0.101 (0.2) , 1,2-Dibromoethane 0.080 (0.2) , Ethylbenzene 0.288 (0.4) , Bromoform 0.040 (0.1) , 1,1,2,2-Tetrachloroethane 0.152 (0.2) , 1,2-Dichlorobenzene 0.576 (0.6) , 1,2,4-Trichlorobenzene 0.339 (0.4) , 1,2,3-Trichlorobenzene 0.264 (0.4)

The following compounds did not meet minimum response factors: None.

Calibration: CHEM17 01/22/24 - 01/22/24

98% of method compounds met criteria.

The following compounds did not meet % deviation criteria: Dibromochloromethane 20.2% (20) , Bromoform 25.6% (20) , 1,2-Dibromo-3-Chloropropane 25.5% (20)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: Acrolein 0.027 (0.05) , Tetrahydrofuran (THF) 0.044 (0.05) , trans-1,3-Dichloropropene 0.273 (0.3) , 1,1,2-Trichloroethane 0.158 (0.2) , Dibromochloromethane 0.154 (0.2) , 1,2-Dibromoethane 0.165 (0.2) , Bromoform 0.066 (0.1)

The following compounds did not meet minimum response factors: None.



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SDG: GCP97096

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

Form 7 (Continuing Calibration):

File: CHEM02 0205_02.D (Opening)

92% of method compounds met criteria.

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

The following compounds did not meet % deviation criteria: Dichlorodifluoromethane -24.2% (20), Trichlorofluoromethane -23.7% (20), Trichlorotrifluoroethane -28.9% (20), Acrolein -21.4% (20), 2-Hexanone -21.1% (20)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: Acrolein 0.017 (0.05), Acrylonitrile 0.036 (0.05), Bromochloromethane 0.096 (0.1), Tetrahydrofuran (THF) 0.028 (0.05), Trichloroethene 0.183 (0.2), 1,2-dichloropropane 0.173 (0.2), Bromodichloromethane 0.184 (0.3), cis-1,3-Dichloropropene 0.233 (0.3), trans-1,3-Dichloropropene 0.165 (0.3), 1,1,2-Trichloroethane 0.080 (0.2), Dibromochloromethane 0.111 (0.2), 1,2-Dibromoethane 0.089 (0.2), Ethylbenzene 0.296 (0.4), Bromoform 0.044 (0.1), 1,1,2,2-Tetrachloroethane 0.161 (0.2), 1,2-Dichlorobenzene 0.592 (0.6), 1,2,4-Trichlorobenzene 0.353 (0.4), 1,2,3-Trichlorobenzene 0.281 (0.4)

The following compounds did not meet minimum response factors: Acrolein 0.017 (0.05), Acetone 0.031 (0.05), Acrylonitrile 0.036 (0.05), Tetrahydrofuran (THF) 0.028 (0.05), Methyl Ethyl Ketone 0.041 (0.05), 2-Hexanone 0.046 (0.05), Bromoform 0.044 (0.05), 1,2-Dibromo-3-Chloropropane 0.022 (0.05)

File: CHEM02 0205_27.D (Closing)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet minimum response factors: Acrolein 0.016 (0.05), Acetone 0.032 (0.05), Acrylonitrile 0.036 (0.05), Tetrahydrofuran (THF) 0.029 (0.05), Methyl Ethyl Ketone 0.047 (0.05), 2-Hexanone 0.044 (0.05), Bromoform 0.035 (0.05), trans-1,4-Dichloro-2-butene 0.039 (0.05), 1,2-Dibromo-3-Chloropropane 0.019 (0.05)

File: CHEM02 0205_28.D (Opening)

91% of method compounds met criteria.

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

The following compounds did not meet % deviation criteria: Dichlorodifluoromethane -26.5% (20), Trichlorofluoromethane -31.7% (20), Trichlorotrifluoroethane -31.6% (20), Acrolein -21.4% (20), Acetone -22.2% (20), trans-1,4-Dichloro-2-butene 21.2% (20)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: Acrolein 0.017 (0.05), Acrylonitrile 0.037 (0.05), Tetrahydrofuran (THF) 0.030 (0.05), Trichloroethene 0.186 (0.2), 1,2-dichloropropane 0.178 (0.2), Bromodichloromethane 0.183 (0.3), cis-1,3-Dichloropropene 0.220 (0.3), trans-1,3-Dichloropropene 0.154 (0.3), 1,1,2-Trichloroethane 0.081 (0.2), Dibromochloromethane 0.108 (0.2), 1,2-Dibromoethane 0.092 (0.2), Ethylbenzene 0.306 (0.4), Bromoform 0.037 (0.1), 1,1,2,2-Tetrachloroethane 0.165 (0.2), trans-1,4-Dichloro-2-butene 0.041 (0.05), 1,2,4-Trichlorobenzene 0.352 (0.4), 1,2,3-Trichlorobenzene 0.286 (0.4)

The following compounds did not meet minimum response factors: Acrolein 0.017 (0.05), Acetone 0.033 (0.05), Acrylonitrile 0.037 (0.05), Tetrahydrofuran (THF) 0.030 (0.05), Methyl Ethyl Ketone 0.045 (0.05), 2-Hexanone 0.045 (0.05), Bromoform 0.037 (0.05), trans-1,4-Dichloro-2-butene 0.041 (0.05), 1,2-Dibromo-3-Chloropropane 0.019 (0.05)

File: CHEM02 0205_53.D (Closing)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet minimum response factors: Acrolein 0.016 (0.05), Acetone 0.031 (0.05), Acrylonitrile 0.034 (0.05), Tetrahydrofuran (THF) 0.028 (0.05), Methyl Ethyl Ketone 0.040 (0.05), 2-Hexanone 0.044 (0.05), Bromoform 0.035 (0.05), trans-1,4-Dichloro-2-butene 0.040 (0.05), 1,2-Dibromo-3-Chloropropane 0.019 (0.05)

File: CHEM17 0201_02.D (Opening)

97% of method compounds met criteria.

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

The following compounds did not meet % deviation criteria: Acetone 22.2% (20), Tetrahydrofuran (THF) 20.5% (20), Methyl Ethyl Ketone 26.2% (20), 2-Hexanone 20.2% (20), 1,2-Dibromo-3-Chloropropane 23.5% (20)



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SDG: GCP97096

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: Acrolein 0.024 (0.05), Acrylonitrile 0.049 (0.05), Tetrahydrofuran (THF) 0.035 (0.05), Bromodichloromethane 0.282 (0.3), trans-1,3-Dichloropropene 0.243 (0.3), 1,1,2-Trichloroethane 0.142 (0.2), Dibromochloromethane 0.140 (0.2), 1,2-Dibromoethane 0.153 (0.2), Bromoform 0.056 (0.1)

The following compounds did not meet minimum response factors: Acrolein 0.024 (0.05), Acetone 0.035 (0.05), Acrylonitrile 0.049 (0.05), Tetrahydrofuran (THF) 0.035 (0.05), Methyl Ethyl Ketone 0.048 (0.05), 1,2-Dibromo-3-Chloropropane 0.026 (0.05)

File: CHEM17 0201_25.D (Closing)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet minimum response factors: Acrolein 0.020 (0.05), Acetone 0.038 (0.05), Acrylonitrile 0.048 (0.05), Tetrahydrofuran (THF) 0.031 (0.05), Methyl Ethyl Ketone 0.046 (0.05), trans-1,4-Dichloro-2-butene 0.038 (0.05), 1,2-Dibromo-3-Chloropropane 0.026 (0.05)

File: CHEM17 0202_02.D (Opening)

90% of method compounds met criteria.

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

The following compounds did not meet % deviation criteria: Dichlorodifluoromethane 21.9% (20), Methyl t-Butyl Ether (MTBE) 23.8% (20), Acrylonitrile 21.7% (20), Tetrahydrofuran (THF) 29.5% (20), Methyl Ethyl Ketone 23.1% (20), 4-Methyl-2-Pentanone 25.6% (20), 2-Hexanone 28.6% (20)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: Acrolein 0.023 (0.05), Acrylonitrile 0.047 (0.05), Tetrahydrofuran (THF) 0.031 (0.05), Bromodichloromethane 0.285 (0.3), trans-1,3-Dichloropropene 0.237 (0.3), 1,1,2-Trichloroethane 0.136 (0.2), Dibromochloromethane 0.149 (0.2), 1,2-Dibromoethane 0.150 (0.2), Bromoform 0.060 (0.1)

The following compounds did not meet minimum response factors: Acrolein 0.023 (0.05), Acetone 0.037 (0.05), Acrylonitrile 0.047 (0.05), Tetrahydrofuran (THF) 0.031 (0.05), 1,2-Dibromo-3-Chloropropane 0.029 (0.05)

File: CHEM17 0202_28.D (Closing)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet minimum response factors: Acrolein 0.023 (0.05), Acetone 0.042 (0.05), Tetrahydrofuran (THF) 0.033 (0.05), 1,2-Dibromo-3-Chloropropane 0.030 (0.05)

Form 8 (Internal Standard and Retention Time):

File: CHEM02 - VT-P020324.M / 0203_11.D

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM02 - VT-P020324.M / 0205_02.D

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM02 - VT-P020324.M / 0205_28.D

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM17 - VT-012224.M / 0122_10.D

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM17 - VT-012224.M / 0201_02.D

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM17 - VT-012224.M / 0202_02.D

All samples met internal standard area and retention time criteria with the following exceptions: None.

8260 Volatile Organics:



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SDG: GCP97096

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

02/13/24

Alejandro Paredes

Project Manager

2C
Water VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: SDG: GCP97096
 QC Batch Id: 716869 QC Sample Id: CP96683

	CLIENT ID	LAB ID	SMC1 DBFM #	SMC2 TOL #	SMC3 BFB #	SMC4 DCB #	TOT OUT
01	CP96683 LCS	CP96683 LCS	90	101	99	96	0
02	CP96683 LCSD	CP96683 LCSD	93	100	101	98	0
03	CP96683 BLANK	CP96683 BLANK	85	94	98	94	0
04	TRIP BLANK	CP97099	84	93	96	91	0
05							
06							
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SMC1	DBFM	Dibromofluoromethane	<u>QC LIMITS</u>
SMC2	TOL	Toluene-d8	(70-130)
SMC3	BFB	Bromofluorobenzene	(70-130)
SMC4	DCB	1,2-dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM II VOA

2C
Water VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: SDG: GCP97096
 QC Batch Id: 716979 QC Sample Id: CP98023

	CLIENT ID	LAB ID	SMC1 DBFM #	SMC2 TOL #	SMC3 BFB #	SMC4 DCB #	TOT OUT
01	CP98023 LCS	CP98023 LCS	87	101	99	98	0
02	CP98023 LCSD	CP98023 LCSD	88	100	97	97	0
03	CP98023 BLANK	CP98023 BLANK	89	93	97	96	0
04	MW-12 50X	CP97096 50X	86	94	96	92	0
05	MW-12 5X	CP97096 5X	79	96	95	93	0
06	MW-XX 50X	CP97098 50X	91	95	97	94	0
07	MW-XX 5X	CP97098 5X	80	97	96	92	0
08							
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QC LIMITS

SMC1	DBFM	Dibromofluoromethane	(70-130)
SMC2	TOL	Toluene-d8	(70-130)
SMC3	BFB	Bromofluorobenzene	(70-130)
SMC4	DCB	1,2-dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM II VOA

2C
Water VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: SDG: GCP97096
 QC Batch Id: 717126 QC Sample Id: CP99440

	CLIENT ID	LAB ID	SMC1 DBFM #	SMC2 TOL #	SMC3 BFB #	SMC4 DCB #	TOT OUT
01	CP99440 LCS	CP99440 LCS	102	100	102	103	0
02	CP99440 LCSD	CP99440 LCSD	101	100	101	101	0
03	CP99440 BLANK	CP99440 BLANK	103	99	98	101	0
04	MW-12 100X	CP97096 100X	104	100	97	101	0
05	MW-XX 100X	CP97098 100X	103	99	96	101	0
06							
07							
08							
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QC LIMITS

SMC1	DBFM	Dibromofluoromethane	(70-130)
SMC2	TOL	Toluene-d8	(70-130)
SMC3	BFB	Bromofluorobenzene	(70-130)
SMC4	DCB	1,2-dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM II VOA

2C
Water VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: _____ SDG: GCP97096
 QC Batch Id: 717121 QC Sample Id: CP99720

	CLIENT ID	LAB ID	SMC1 DBFM #	SMC2 TOL #	SMC3 BFB #	SMC4 DCB #	TOT OUT
01	CP99720 LCS	CP99720 LCS	102	100	100	102	0
02	CP99720 LCSD	CP99720 LCSD	100	100	101	102	0
03	CP99720 BLANK	CP99720 BLANK	100	100	95	102	0
04	MW-3I	CP97097	99	100	94	101	0
05	CP99720 QC	CP99720 QC	101	100	97	102	0
06	CP99720 MS 10X	CP99720 MS 10X	102	100	102	104	0
07	CP99720 MSD 10X	CP99720 MSD 10X	101	100	101	101	0
08	CP99720 MS	CP99720 MS	100	101	102	102	0
09	CP99720 MSD	CP99720 MSD	100	100	102	102	0
10							
11							
12							
13							
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30							

SMC1	DBFM	Dibromofluoromethane	<u>QC LIMITS</u>
SMC2	TOL	Toluene-d8	(70-130)
SMC3	BFB	Bromofluorobenzene	(70-130)
SMC4	DCB	1,2-dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM II VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP96683 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	10	0.0	9.266	93	70	130
Chloromethane	10	0.0	8.534	85	70	130
Vinyl Chloride	10	0.0	10.05	101	70	130
Bromomethane	10	0.0	11.07	111	70	130
Chloroethane	10	0.0	10.30	103	70	130
Trichlorofluoromethane	10	0.0	9.746	97	70	130
1,1-Dichloroethene	10	0.0	9.689	97	70	130
Trichlorotrifluoroethane	10	0.0	9.704	97	70	130
Carbon Disulfide	10	0.0	9.762	98	70	130
Acrolein	50	0.0	48.57	97	70	130
Methylene Chloride	10	0.0	8.767	88	70	130
Acetone	10	0.0	8.156	82	70	130
Trans-1,2-Dichloroethene	10	0.0	9.676	97	70	130
Methyl t-Butyl Ether (MTBE)	10	0.0	7.711	77	70	130
1,1-Dichloroethane	10	0.0	9.469	95	70	130
Acrylonitrile	10	0.0	8.043	80	70	130
Cis-1,2-Dichloroethene	10	0.0	9.466	95	70	130
2,2-Dichloropropane	10	0.0	9.427	94	70	130
Bromochloromethane	10	0.0	8.989	90	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
				#	RPD	REC.
Dichlorodifluoromethane	10	9.145	91	2.2	30	70 130
Chloromethane	10	9.300	93	9.0	30	70 130
Vinyl Chloride	10	9.949	99	2.0	30	70 130
Bromomethane	10	10.93	109	1.8	30	70 130
Chloroethane	10	9.991	100	3.0	30	70 130
Trichlorofluoromethane	10	9.467	95	2.1	30	70 130
1,1-Dichloroethene	10	9.543	95	2.1	30	70 130
Trichlorotrifluoroethane	10	9.507	95	2.1	30	70 130
Carbon Disulfide	10	9.692	97	1.0	30	70 130
Acrolein	50	52.97	106	8.9	30	70 130
Methylene Chloride	10	9.162	92	4.4	30	70 130
Acetone	10	8.626	86	4.8	30	70 130
Trans-1,2-Dichloroethene	10	9.609	96	1.0	30	70 130
Methyl t-Butyl Ether (MTBE)	10	8.566	86	11.0	30	70 130
1,1-Dichloroethane	10	9.522	95	0.0	30	70 130
Acrylonitrile	10	8.794	88	9.5	30	70 130
Cis-1,2-Dichloroethene	10	9.501	95	0.0	30	70 130
2,2-Dichloropropane	10	9.408	94	0.0	30	70 130
Bromochloromethane	10	9.700	97	7.5	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP96683 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.		
Chloroform	10	0.0	9.024	90	70	130	
Carbon Tetrachloride	10	0.0	9.866	99	70	130	
Tetrahydrofuran (THF)	25	0.0	17.71	71	70	130	
1,1,1-Trichloroethane	10	0.0	9.375	94	70	130	
Methyl Ethyl Ketone	10	0.0	7.473	75	70	130	
1,1-Dichloropropene	10	0.0	10.75	108	70	130	
Benzene	10	0.0	11.21	112	70	130	
1,2-Dichloroethane	10	0.0	9.325	93	70	130	
Trichloroethene	10	0.0	10.42	104	70	130	
Dibromomethane	10	0.0	9.145	91	70	130	
1,2-dichloropropane	10	0.0	9.527	95	70	130	
Bromodichloromethane	10	0.0	9.393	94	70	130	
cis-1,3-Dichloropropene	10	0.0	9.325	93	70	130	
Toluene	10	0.0	10.25	102	70	130	
4-Methyl-2-Pentanone	10	0.0	7.685	77	70	130	
Tetrachloroethene	10	0.0	10.53	105	70	130	
trans-1,3-Dichloropropene	10	0.0	9.062	91	70	130	
1,1,2-Trichloroethane	10	0.0	8.934	89	70	130	
Dibromochloromethane	10	0.0	9.458	95	70	130	
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
Chloroform	10	9.316	93	3.3	30	70	130
Carbon Tetrachloride	10	9.604	96	3.1	30	70	130
Tetrahydrofuran (THF)	25	20.14	81	13.2	30	70	130
1,1,1-Trichloroethane	10	9.410	94	0.0	30	70	130
Methyl Ethyl Ketone	10	8.210	82	8.9	30	70	130
1,1-Dichloropropene	10	10.33	103	4.7	30	70	130
Benzene	10	10.31	103	8.4	30	70	130
1,2-Dichloroethane	10	9.545	95	2.1	30	70	130
Trichloroethene	10	10.28	103	1.0	30	70	130
Dibromomethane	10	9.480	95	4.3	30	70	130
1,2-dichloropropane	10	9.512	95	0.0	30	70	130
Bromodichloromethane	10	9.617	96	2.1	30	70	130
cis-1,3-Dichloropropene	10	9.586	96	3.2	30	70	130
Toluene	10	10.03	100	2.0	30	70	130
4-Methyl-2-Pentanone	10	8.287	83	7.5	30	70	130
Tetrachloroethene	10	10.14	101	3.9	30	70	130
trans-1,3-Dichloropropene	10	9.435	94	3.2	30	70	130
1,1,2-Trichloroethane	10	9.232	92	3.3	30	70	130
Dibromochloromethane	10	9.834	98	3.1	30	70	130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP96683 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
1,3-Dichloropropane	10	0.0	9.134	91	70	130
1,2-Dibromoethane	10	0.0	9.417	94	70	130
2-Hexanone	10	0.0	7.318	73	70	130
Chlorobenzene	10	0.0	10.21	102	70	130
Ethylbenzene	10	0.0	10.41	104	70	130
1,1,1,2-Tetrachloroethane	10	0.0	10.50	105	70	130
m&p-Xylene	20	0.0	20.76	104	70	130
o-Xylene	10	0.0	10.21	102	70	130
Styrene	10	0.0	10.19	102	70	130
Bromoform	10	0.0	9.035	90	70	130
Isopropylbenzene	10	0.0	10.78	108	70	130
Bromobenzene	10	0.0	10.03	100	70	130
n-Propylbenzene	10	0.0	10.80	108	70	130
1,1,2,2-Tetrachloroethane	10	0.0	9.003	90	70	130
2-Chlorotoluene	10	0.0	10.33	103	70	130
1,3,5-Trimethylbenzene	10	0.0	10.65	107	70	130
1,2,3-Trichloropropane	10	0.0	9.039	90	70	130
trans-1,4-Dichloro-2-butene	50	0.0	31.21	62 *	70	130
4-Chlorotoluene	10	0.0	10.22	102	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
				#	RPD	REC.
1,3-Dichloropropane	10	9.344	93	2.2	30	70 130
1,2-Dibromoethane	10	9.436	94	0.0	30	70 130
2-Hexanone	10	8.189	82	11.6	30	70 130
Chlorobenzene	10	9.930	99	3.0	30	70 130
Ethylbenzene	10	9.922	99	4.9	30	70 130
1,1,1,2-Tetrachloroethane	10	10.23	102	2.9	30	70 130
m&p-Xylene	20	19.98	100	3.9	30	70 130
o-Xylene	10	9.943	99	3.0	30	70 130
Styrene	10	9.931	99	3.0	30	70 130
Bromoform	10	9.491	95	5.4	30	70 130
Isopropylbenzene	10	10.30	103	4.7	30	70 130
Bromobenzene	10	9.995	100	0.0	30	70 130
n-Propylbenzene	10	10.23	102	5.7	30	70 130
1,1,2,2-Tetrachloroethane	10	9.199	92	2.2	30	70 130
2-Chlorotoluene	10	10.06	101	2.0	30	70 130
1,3,5-Trimethylbenzene	10	10.23	102	4.8	30	70 130
1,2,3-Trichloropropane	10	9.320	93	3.3	30	70 130
trans-1,4-Dichloro-2-butene	50	34.07	68 *	9.2	30	70 130
4-Chlorotoluene	10	9.888	99	3.0	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP96683 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
tert-Butylbenzene	10	0.0	10.66	107	70	130
1,2,4-Trimethylbenzene	10	0.0	10.48	105	70	130
sec-Butylbenzene	10	0.0	10.63	106	70	130
p-Isopropyltoluene	10	0.0	10.61	106	70	130
1,3-Dichlorobenzene	10	0.0	9.957	100	70	130
1,4-Dichlorobenzene	10	0.0	9.889	99	70	130
2-Isopropyltoluene	10	0.0	10.71	107	70	130
n-Butylbenzene	10	0.0	10.54	105	70	130
1,2-Dichlorobenzene	10	0.0	9.591	96	70	130
1,2-Dibromo-3-Chloropropane	10	0.0	8.449	84	70	130
Hexachlorobutadiene	10	0.0	10.18	102	70	130
1,2,4-Trichlorobenzene	10	0.0	9.381	94	70	130
Naphthalene	10	0.0	8.883	89	70	130
1,2,3-Trichlorobenzene	10	0.0	9.063	91	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
tert-Butylbenzene	10	10.28	103	3.8	30	70 130
1,2,4-Trimethylbenzene	10	10.13	101	3.9	30	70 130
sec-Butylbenzene	10	10.22	102	3.8	30	70 130
p-Isopropyltoluene	10	10.28	103	2.9	30	70 130
1,3-Dichlorobenzene	10	9.826	98	2.0	30	70 130
1,4-Dichlorobenzene	10	9.707	97	2.0	30	70 130
2-Isopropyltoluene	10	10.29	103	3.8	30	70 130
n-Butylbenzene	10	10.08	101	3.9	30	70 130
1,2-Dichlorobenzene	10	9.742	97	1.0	30	70 130
1,2-Dibromo-3-Chloropropane	10	8.919	89	5.8	30	70 130
Hexachlorobutadiene	10	9.961	100	2.0	30	70 130
1,2,4-Trichlorobenzene	10	9.649	96	2.1	30	70 130
Naphthalene	10	9.559	96	7.6	30	70 130
1,2,3-Trichlorobenzene	10	9.465	95	4.3	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP98023 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	10	0.0	8.943	89	70	130
Chloromethane	10	0.0	9.053	91	70	130
Vinyl Chloride	10	0.0	10.25	102	70	130
Bromomethane	10	0.0	11.05	111	70	130
Chloroethane	10	0.0	10.47	105	70	130
Trichlorofluoromethane	10	0.0	10.42	104	70	130
1,1-Dichloroethene	10	0.0	10.37	104	70	130
Trichlorotrifluoroethane	10	0.0	10.20	102	70	130
Carbon Disulfide	10	0.0	9.857	99	70	130
Acrolein	50	0.0	51.93	104	70	130
Methylene Chloride	10	0.0	9.133	91	70	130
Acetone	10	0.0	7.558	76	70	130
Trans-1,2-Dichloroethene	10	0.0	10.13	101	70	130
Methyl t-Butyl Ether (MTBE)	10	0.0	8.062	81	70	130
1,1-Dichloroethane	10	0.0	10.00	100	70	130
Acrylonitrile	10	0.0	8.462	85	70	130
Cis-1,2-Dichloroethene	10	0.0	9.540	95	70	130
2,2-Dichloropropane	10	0.0	9.583	96	70	130
Bromochloromethane	10	0.0	9.408	94	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
				#	RPD	REC.
Dichlorodifluoromethane	10	8.901	89	0.0	30	70 130
Chloromethane	10	9.155	92	1.1	30	70 130
Vinyl Chloride	10	10.23	102	0.0	30	70 130
Bromomethane	10	11.44	114	2.7	30	70 130
Chloroethane	10	10.35	104	1.0	30	70 130
Trichlorofluoromethane	10	10.34	103	1.0	30	70 130
1,1-Dichloroethene	10	10.25	103	1.0	30	70 130
Trichlorotrifluoroethane	10	10.21	102	0.0	30	70 130
Carbon Disulfide	10	9.944	99	0.0	30	70 130
Acrolein	50	51.99	104	0.0	30	70 130
Methylene Chloride	10	9.316	93	2.2	30	70 130
Acetone	10	8.888	89	15.8	30	70 130
Trans-1,2-Dichloroethene	10	10.27	103	2.0	30	70 130
Methyl t-Butyl Ether (MTBE)	10	8.274	83	2.4	30	70 130
1,1-Dichloroethane	10	9.851	99	1.0	30	70 130
Acrylonitrile	10	8.815	88	3.5	30	70 130
Cis-1,2-Dichloroethene	10	9.860	99	4.1	30	70 130
2,2-Dichloropropane	10	9.861	99	3.1	30	70 130
Bromochloromethane	10	9.605	96	2.1	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP98023 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Chloroform	10	0.0	9.543	95	70	130
Carbon Tetrachloride	10	0.0	11.10	111	70	130
Tetrahydrofuran (THF)	25	0.0	19.43	78	70	130
Methyl Ethyl Ketone	10	0.0	7.817	78	70	130
1,1-Dichloropropene	10	0.0	11.48	115	70	130
Benzene	10	0.0	12.95	129	70	130
1,2-Dichloroethane	10	0.0	9.833	98	70	130
Trichloroethene	10	0.0	11.27	113	70	130
Dibromomethane	10	0.0	9.868	99	70	130
1,2-dichloropropane	10	0.0	10.01	100	70	130
Bromodichloromethane	10	0.0	10.32	103	70	130
cis-1,3-Dichloropropene	10	0.0	10.02	100	70	130
Toluene	10	0.0	10.87	109	70	130
4-Methyl-2-Pentanone	10	0.0	8.069	81	70	130
Tetrachloroethene	10	0.0	11.21	112	70	130
trans-1,3-Dichloropropene	10	0.0	9.686	97	70	130
1,1,2-Trichloroethane	10	0.0	9.576	96	70	130
Dibromochloromethane	10	0.0	11.08	111	70	130
1,3-Dichloropropane	10	0.0	9.826	98	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	10	9.644	96	1.0	30	70 130
Carbon Tetrachloride	10	10.63	106	4.6	30	70 130
Tetrahydrofuran (THF)	25	19.22	77	1.3	30	70 130
Methyl Ethyl Ketone	10	7.570	76	2.6	30	70 130
1,1-Dichloropropene	10	11.31	113	1.8	30	70 130
Benzene	10	12.84	128	0.8	30	70 130
1,2-Dichloroethane	10	9.849	98	0.0	30	70 130
Trichloroethene	10	11.08	111	1.8	30	70 130
Dibromomethane	10	9.861	99	0.0	30	70 130
1,2-dichloropropane	10	10.12	101	1.0	30	70 130
Bromodichloromethane	10	10.43	104	1.0	30	70 130
cis-1,3-Dichloropropene	10	10.08	101	1.0	30	70 130
Toluene	10	10.89	109	0.0	30	70 130
4-Methyl-2-Pentanone	10	8.281	83	2.4	30	70 130
Tetrachloroethene	10	11.24	112	0.0	30	70 130
trans-1,3-Dichloropropene	10	9.773	98	1.0	30	70 130
1,1,2-Trichloroethane	10	9.625	96	0.0	30	70 130
Dibromochloromethane	10	11.09	111	0.0	30	70 130
1,3-Dichloropropane	10	9.746	97	1.0	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP98023 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
1,2-Dibromoethane	10	0.0	10.04	100	70	130
2-Hexanone	10	0.0	8.102	81	70	130
Chlorobenzene	10	0.0	11.00	110	70	130
Ethylbenzene	10	0.0	11.14	111	70	130
1,1,1,2-Tetrachloroethane	10	0.0	11.81	118	70	130
m&p-Xylene	20	0.0	22.06	110	70	130
o-Xylene	10	0.0	10.94	109	70	130
Styrene	10	0.0	10.77	108	70	130
Bromoform	10	0.0	10.91	109	70	130
Isopropylbenzene	10	0.0	11.43	114	70	130
Bromobenzene	10	0.0	10.80	108	70	130
n-Propylbenzene	10	0.0	11.47	115	70	130
1,1,2,2-Tetrachloroethane	10	0.0	9.683	97	70	130
2-Chlorotoluene	10	0.0	11.19	112	70	130
1,3,5-Trimethylbenzene	10	0.0	11.29	113	70	130
1,2,3-Trichloropropane	10	0.0	9.618	96	70	130
trans-1,4-Dichloro-2-butene	50	0.0	37.39	75	70	130
4-Chlorotoluene	10	0.0	11.05	111	70	130
tert-Butylbenzene	10	0.0	11.33	113	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
1,2-Dibromoethane	10	9.788	98	2.0	30	70 130
2-Hexanone	10	8.031	80	1.2	30	70 130
Chlorobenzene	10	10.78	108	1.8	30	70 130
Ethylbenzene	10	11.01	110	0.9	30	70 130
1,1,1,2-Tetrachloroethane	10	11.70	117	0.9	30	70 130
m&p-Xylene	20	21.89	109	0.9	30	70 130
o-Xylene	10	10.78	108	0.9	30	70 130
Styrene	10	10.69	107	0.9	30	70 130
Bromoform	10	10.82	108	0.9	30	70 130
Isopropylbenzene	10	11.55	116	1.7	30	70 130
Bromobenzene	10	10.73	107	0.9	30	70 130
n-Propylbenzene	10	11.58	116	0.9	30	70 130
1,1,2,2-Tetrachloroethane	10	9.659	97	0.0	30	70 130
2-Chlorotoluene	10	11.16	112	0.0	30	70 130
1,3,5-Trimethylbenzene	10	11.28	113	0.0	30	70 130
1,2,3-Trichloropropane	10	9.691	97	1.0	30	70 130
trans-1,4-Dichloro-2-butene	50	38.50	77	2.6	30	70 130
4-Chlorotoluene	10	10.97	110	0.9	30	70 130
tert-Butylbenzene	10	11.49	115	1.8	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP98023 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
1,2,4-Trimethylbenzene	10	0.0	11.18	112	70	130
sec-Butylbenzene	10	0.0	11.14	111	70	130
p-Isopropyltoluene	10	0.0	11.28	113	70	130
1,3-Dichlorobenzene	10	0.0	10.72	107	70	130
1,4-Dichlorobenzene	10	0.0	10.60	106	70	130
2-Isopropyltoluene	10	0.0	11.44	114	70	130
n-Butylbenzene	10	0.0	10.95	110	70	130
1,2-Dichlorobenzene	10	0.0	10.49	105	70	130
1,2-Dibromo-3-Chloropropane	10	0.0	9.590	96	70	130
Hexachlorobutadiene	10	0.0	10.66	107	70	130
1,2,4-Trichlorobenzene	10	0.0	10.16	102	70	130
Naphthalene	10	0.0	9.534	95	70	130
1,2,3-Trichlorobenzene	10	0.0	9.547	95	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trimethylbenzene	10	11.20	112	0.0	30	70 130
sec-Butylbenzene	10	11.34	113	1.8	30	70 130
p-Isopropyltoluene	10	11.37	114	0.9	30	70 130
1,3-Dichlorobenzene	10	10.63	106	0.9	30	70 130
1,4-Dichlorobenzene	10	10.67	107	0.9	30	70 130
2-Isopropyltoluene	10	11.37	114	0.0	30	70 130
n-Butylbenzene	10	11.02	110	0.0	30	70 130
1,2-Dichlorobenzene	10	10.39	104	1.0	30	70 130
1,2-Dibromo-3-Chloropropane	10	9.738	97	1.0	30	70 130
Hexachlorobutadiene	10	10.79	108	0.9	30	70 130
1,2,4-Trichlorobenzene	10	10.22	102	0.0	30	70 130
Naphthalene	10	9.701	97	2.1	30	70 130
1,2,3-Trichlorobenzene	10	9.852	99	4.1	30	70 130

FORM III VOA

WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

LCS Spike - Client Id: CP99440 LCS Level:(low/med) Med

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3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP99720 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	10	0.0	11.21	112	70	130
Chloromethane	10	0.0	10.98	110	70	130
Vinyl Chloride	10	0.0	11.86	119	70	130
Bromomethane	10	0.0	11.39	114	70	130
Chloroethane	10	0.0	11.99	120	70	130
Trichlorofluoromethane	10	0.0	13.47	135 *	70	130
1,1-Dichloroethene	10	0.0	12.02	120	70	130
Trichlorotrifluoroethane	10	0.0	13.23	132 *	70	130
Carbon Disulfide	10	0.0	11.54	115	70	130
Acrolein	50	0.0	76.11	152 *	70	130
Methylene Chloride	10	0.0	11.04	110	70	130
Acetone	10	0.0	12.38	124	70	130
Trans-1,2-Dichloroethene	10	0.0	11.35	113	70	130
Methyl t-Butyl Ether (MTBE)	10	0.0	11.83	118	70	130
1,1-Dichloroethane	10	0.0	11.61	116	70	130
Acrylonitrile	10	0.0	12.06	121	70	130
Cis-1,2-Dichloroethene	10	0.0	11.22	112	70	130
2,2-Dichloropropane	10	0.0	11.19	112	70	130
Bromochloromethane	10	0.0	11.42	114	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	10	11.03	110	1.8	30	70 130
Chloromethane	10	10.07	101	8.5	30	70 130
Vinyl Chloride	10	11.78	118	0.8	30	70 130
Bromomethane	10	11.89	119	4.3	30	70 130
Chloroethane	10	11.93	119	0.8	30	70 130
Trichlorofluoromethane	10	13.37	134 *	0.7	30	70 130
1,1-Dichloroethene	10	11.70	117	2.5	30	70 130
Trichlorotrifluoroethane	10	13.05	131 *	0.8	30	70 130
Carbon Disulfide	10	11.43	114	0.9	30	70 130
Acrolein	50	74.16	148 *	2.7	30	70 130
Methylene Chloride	10	10.70	107	2.8	30	70 130
Acetone	10	11.74	117	5.8	30	70 130
Trans-1,2-Dichloroethene	10	11.22	112	0.9	30	70 130
Methyl t-Butyl Ether (MTBE)	10	11.46	115	2.6	30	70 130
1,1-Dichloroethane	10	11.34	113	2.6	30	70 130
Acrylonitrile	10	11.75	117	3.4	30	70 130
Cis-1,2-Dichloroethene	10	10.91	109	2.7	30	70 130
2,2-Dichloropropane	10	10.93	109	2.7	30	70 130
Bromochloromethane	10	11.52	115	0.9	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP99720 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Chloroform	10	0.0	11.39	114	70	130
Carbon Tetrachloride	10	0.0	11.34	113	70	130
Tetrahydrofuran (THF)	25	0.0	27.70	111	70	130
1,1,1-Trichloroethane	10	0.0	11.54	115	70	130
Methyl Ethyl Ketone	10	0.0	11.75	117	70	130
1,1-Dichloropropene	10	0.0	11.90	119	70	130
Benzene	10	0.0	11.34	113	70	130
1,2-Dichloroethane	10	0.0	12.12	121	70	130
Trichloroethene	10	0.0	11.25	112	70	130
Dibromomethane	10	0.0	11.80	118	70	130
1,2-dichloropropane	10	0.0	11.47	115	70	130
Bromodichloromethane	10	0.0	11.26	113	70	130
cis-1,3-Dichloropropene	10	0.0	11.21	112	70	130
Toluene	10	0.0	11.24	112	70	130
4-Methyl-2-Pentanone	10	0.0	11.95	120	70	130
Tetrachloroethene	10	0.0	11.28	113	70	130
trans-1,3-Dichloropropene	10	0.0	11.35	113	70	130
1,1,2-Trichloroethane	10	0.0	11.83	118	70	130
Dibromochloromethane	10	0.0	11.52	115	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	10	11.40	114	0.0	30	70 130
Carbon Tetrachloride	10	11.09	111	1.8	30	70 130
Tetrahydrofuran (THF)	25	25.79	103	7.5	30	70 130
1,1,1-Trichloroethane	10	11.53	115	0.0	30	70 130
Methyl Ethyl Ketone	10	12.43	124	5.8	30	70 130
1,1-Dichloropropene	10	11.53	115	3.4	30	70 130
Benzene	10	11.11	111	1.8	30	70 130
1,2-Dichloroethane	10	11.38	114	6.0	30	70 130
Trichloroethene	10	11.08	111	0.9	30	70 130
Dibromomethane	10	11.35	113	4.3	30	70 130
1,2-dichloropropane	10	11.28	113	1.8	30	70 130
Bromodichloromethane	10	11.34	113	0.0	30	70 130
cis-1,3-Dichloropropene	10	11.09	111	0.9	30	70 130
Toluene	10	10.99	110	1.8	30	70 130
4-Methyl-2-Pentanone	10	11.57	116	3.4	30	70 130
Tetrachloroethene	10	11.04	110	2.7	30	70 130
trans-1,3-Dichloropropene	10	10.96	110	2.7	30	70 130
1,1,2-Trichloroethane	10	11.45	115	2.6	30	70 130
Dibromochloromethane	10	11.08	111	3.5	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP99720 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
1,3-Dichloropropane	10	0.0	12.19	122	70	130
1,2-Dibromoethane	10	0.0	12.25	123	70	130
2-Hexanone	10	0.0	12.91	129	70	130
Chlorobenzene	10	0.0	11.34	113	70	130
Ethylbenzene	10	0.0	11.32	113	70	130
1,1,1,2-Tetrachloroethane	10	0.0	11.23	112	70	130
m&p-Xylene	20	0.0	22.39	112	70	130
o-Xylene	10	0.0	10.94	109	70	130
Styrene	10	0.0	11.48	115	70	130
Bromoform	10	0.0	10.17	102	70	130
Isopropylbenzene	10	0.0	10.78	108	70	130
Bromobenzene	10	0.0	10.80	108	70	130
n-Propylbenzene	10	0.0	10.73	107	70	130
1,1,2,2-Tetrachloroethane	10	0.0	11.44	114	70	130
2-Chlorotoluene	10	0.0	10.79	108	70	130
1,3,5-Trimethylbenzene	10	0.0	10.88	109	70	130
1,2,3-Trichloropropane	10	0.0	11.43	114	70	130
trans-1,4-Dichloro-2-butene	50	0.0	46.60	93	70	130
4-Chlorotoluene	10	0.0	10.97	110	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
1,3-Dichloropropane	10	11.62	116	5.0	30	70 130
1,2-Dibromoethane	10	11.78	118	4.1	30	70 130
2-Hexanone	10	12.61	126	2.4	30	70 130
Chlorobenzene	10	11.09	111	1.8	30	70 130
Ethylbenzene	10	10.95	109	3.6	30	70 130
1,1,1,2-Tetrachloroethane	10	10.80	108	3.6	30	70 130
m&p-Xylene	20	21.96	110	1.8	30	70 130
o-Xylene	10	10.87	109	0.0	30	70 130
Styrene	10	11.26	113	1.8	30	70 130
Bromoform	10	10.08	101	1.0	30	70 130
Isopropylbenzene	10	10.51	105	2.8	30	70 130
Bromobenzene	10	10.54	105	2.8	30	70 130
n-Propylbenzene	10	10.57	106	0.9	30	70 130
1,1,2,2-Tetrachloroethane	10	11.12	111	2.7	30	70 130
2-Chlorotoluene	10	10.58	106	1.9	30	70 130
1,3,5-Trimethylbenzene	10	10.71	107	1.9	30	70 130
1,2,3-Trichloropropane	10	11.01	110	3.6	30	70 130
trans-1,4-Dichloro-2-butene	50	45.30	91	2.2	30	70 130
4-Chlorotoluene	10	10.70	107	2.8	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096

LCS Spike - Client Id: CP99720 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
tert-Butylbenzene	10	0.0	10.95	110	70	130
1,2,4-Trimethylbenzene	10	0.0	11.01	110	70	130
sec-Butylbenzene	10	0.0	11.30	113	70	130
p-Isopropyltoluene	10	0.0	11.17	112	70	130
1,3-Dichlorobenzene	10	0.0	10.96	110	70	130
1,4-Dichlorobenzene	10	0.0	11.25	113	70	130
2-Isopropyltoluene	10	0.0	11.36	114	70	130
n-Butylbenzene	10	0.0	11.59	116	70	130
1,2-Dichlorobenzene	10	0.0	11.47	115	70	130
1,2-Dibromo-3-Chloropropane	10	0.0	12.11	121	70	130
Hexachlorobutadiene	10	0.0	11.05	111	70	130
1,2,4-Trichlorobenzene	10	0.0	11.30	113	70	130
Naphthalene	10	0.0	11.94	119	70	130
1,2,3-Trichlorobenzene	10	0.0	11.69	117	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
tert-Butylbenzene	10	10.79	108	1.8	30	70 130
1,2,4-Trimethylbenzene	10	10.89	109	0.9	30	70 130
sec-Butylbenzene	10	11.12	111	1.8	30	70 130
p-Isopropyltoluene	10	10.92	109	2.7	30	70 130
1,3-Dichlorobenzene	10	10.70	107	2.8	30	70 130
1,4-Dichlorobenzene	10	10.83	108	4.5	30	70 130
2-Isopropyltoluene	10	11.16	112	1.8	30	70 130
n-Butylbenzene	10	11.44	114	1.7	30	70 130
1,2-Dichlorobenzene	10	11.01	110	4.4	30	70 130
1,2-Dibromo-3-Chloropropane	10	11.49	115	5.1	30	70 130
Hexachlorobutadiene	10	11.37	114	2.7	30	70 130
1,2,4-Trichlorobenzene	10	11.10	111	1.8	30	70 130
Naphthalene	10	11.51	115	3.4	30	70 130
1,2,3-Trichlorobenzene	10	11.34	113	3.5	30	70 130

FORM III VOA

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNYLab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096Matrix Spike - Client Id: CP99720 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	10.00	0.0	10.53	105	70	130
Chloromethane	10.00	0.0	9.705	97	70	130
Vinyl Chloride	10.00	0.0	11.61	116	70	130
Bromomethane	10.00	0.0	9.926	99	70	130
Chloroethane	10.00	0.0	11.48	115	70	130
Trichlorofluoromethane	10.00	0.0	14.13	141 *	70	130
1,1-Dichloroethene	10.00	0.0	12.03	120	59	172
Trichlorotrifluoroethane	10.00	0.0	13.82	138 *	70	130
Carbon Disulfide	10.00	0.0	11.57	116	70	130
Acrolein	50.00	0.0	61.94	124	70	130
Methylene Chloride	10.00	0.0	10.14	101	70	130
Acetone	10.00	0.0	11.84	118	70	130
Trans-1,2-Dichloroethene	10.00	0.0	11.09	111	70	130
Methyl t-Butyl Ether (MTBE)	10.00	0.0	11.02	110	70	130
1,1-Dichloroethane	10.00	0.0	11.10	111	70	130
Acrylonitrile	10.00	0.0	10.77	108	70	130
Cis-1,2-Dichloroethene	10.00	14	25.18	114	70	130
2,2-Dichloropropane	10.00	0.0	9.506	95	70	130
Bromochloromethane	10.00	0.0	10.88	109	70	130
COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	10.00	10.79	108	2.8	30	70 130
Chloromethane	10.00	10.14	101	4.0	30	70 130
Vinyl Chloride	10.00	12.05	120	3.4	30	70 130
Bromomethane	10.00	10.75	108	8.7	30	70 130
Chloroethane	10.00	12.16	122	5.9	30	70 130
Trichlorofluoromethane	10.00	14.48	145 *	2.8	30	70 130
1,1-Dichloroethene	10.00	12.76	128	6.5	30	59 172
Trichlorotrifluoroethane	10.00	14.67	147 *	6.3	30	70 130
Carbon Disulfide	10.00	12.00	120	3.4	30	70 130
Acrolein	50.00	66.54	133 *	7.0	30	70 130
Methylene Chloride	10.00	10.53	105	3.9	30	70 130
Acetone	10.00	12.70	127	7.3	30	70 130
Trans-1,2-Dichloroethene	10.00	11.80	118	6.1	30	70 130
Methyl t-Butyl Ether (MTBE)	10.00	11.51	115	4.4	30	70 130
1,1-Dichloroethane	10.00	11.68	117	5.3	30	70 130
Acrylonitrile	10.00	11.89	119	9.7	30	70 130
Cis-1,2-Dichloroethene	10.00	25.32	116	1.7	30	70 130
2,2-Dichloropropane	10.00	9.856	99	4.1	30	70 130
Bromochloromethane	10.00	11.34	113	3.6	30	70 130

FORM III VOA

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNYLab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096Matrix Spike - Client Id: CP99720 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.	
Chloroform	10.00	0.0	11.01	110	70	130
Carbon Tetrachloride	10.00	0.0	11.48	115	70	130
Tetrahydrofuran (THF)	25.00	0.0	24.48	98	70	130
1,1,1-Trichloroethane	10.00	0.0	11.77	118	70	130
Methyl Ethyl Ketone	10.00	0.0	12.72	127	70	130
1,1-Dichloropropene	10.00	0.0	11.93	119	70	130
Benzene	10.00	0.0	10.77	108	66	142
1,2-Dichloroethane	10.00	0.0	10.87	109	70	130
Trichloroethene	10.00	7.4	18.80	114	62	137
Dibromomethane	10.00	0.0	10.60	106	70	130
1,2-dichloropropane	10.00	0.0	10.70	107	70	130
Bromodichloromethane	10.00	0.0	10.73	107	70	130
cis-1,3-Dichloropropene	10.00	0.0	10.13	101	70	130
Toluene	10.00	0.0	10.72	107	59	139
4-Methyl-2-Pentanone	10.00	0.0	11.34	113	70	130
trans-1,3-Dichloropropene	10.00	0.0	10.09	101	70	130
1,1,2-Trichloroethane	10.00	0.0	10.54	105	70	130
Dibromochloromethane	10.00	0.0	10.66	107	70	130
1,3-Dichloropropane	10.00	0.0	10.88	109	70	130
COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	10.00	11.56	116	5.3	30	70 130
Carbon Tetrachloride	10.00	12.30	123	6.7	30	70 130
Tetrahydrofuran (THF)	25.00	26.82	107	8.8	30	70 130
1,1,1-Trichloroethane	10.00	12.23	122	3.3	30	70 130
Methyl Ethyl Ketone	10.00	11.81	118	7.3	30	70 130
1,1-Dichloropropene	10.00	12.58	126	5.7	30	70 130
Benzene	10.00	11.36	114	5.4	30	66 142
1,2-Dichloroethane	10.00	11.49	115	5.4	30	70 130
Trichloroethene	10.00	19.69	123	7.6	30	62 137
Dibromomethane	10.00	11.19	112	5.5	30	70 130
1,2-dichloropropane	10.00	11.27	113	5.5	30	70 130
Bromodichloromethane	10.00	11.33	113	5.5	30	70 130
cis-1,3-Dichloropropene	10.00	10.76	108	6.7	30	70 130
Toluene	10.00	11.28	113	5.5	30	59 139
4-Methyl-2-Pentanone	10.00	11.86	119	5.2	30	70 130
trans-1,3-Dichloropropene	10.00	10.60	106	4.8	30	70 130
1,1,2-Trichloroethane	10.00	10.94	109	3.7	30	70 130
Dibromochloromethane	10.00	11.20	112	4.6	30	70 130
1,3-Dichloropropane	10.00	11.58	116	6.2	30	70 130

FORM III VOA

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNYLab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096Matrix Spike - Client Id: CP99720 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.		
1,2-Dibromoethane	10.00	0.0	11.03	110	70	130	
2-Hexanone	10.00	0.0	10.27	103	70	130	
Chlorobenzene	10.00	0.0	10.43	104	60	133	
Ethylbenzene	10.00	0.0	10.71	107	70	130	
1,1,1,2-Tetrachloroethane	10.00	0.0	9.809	98	70	130	
m&p-Xylene	20.00	0.0	21.49	107	70	130	
o-Xylene	10.00	0.0	10.46	105	70	130	
Styrene	10.00	0.0	7.532	75	70	130	
Bromoform	10.00	0.0	9.111	91	70	130	
Isopropylbenzene	10.00	0.0	10.36	104	70	130	
Bromobenzene	10.00	0.0	9.848	98	70	130	
n-Propylbenzene	10.00	0.0	10.39	104	70	130	
1,1,2,2-Tetrachloroethane	10.00	0.0	10.40	104	70	130	
2-Chlorotoluene	10.00	0.0	9.994	100	70	130	
1,3,5-Trimethylbenzene	10.00	0.0	10.18	102	70	130	
1,2,3-Trichloropropane	10.00	0.0	10.59	106	70	130	
trans-1,4-Dichloro-2-butene	50.00	0.0	41.17	82	70	130	
4-Chlorotoluene	10.00	0.0	10.09	101	70	130	
tert-Butylbenzene	10.00	0.0	10.63	106	70	130	
COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
1,2-Dibromoethane	10.00	11.57	116	5.3	30	70	130
2-Hexanone	10.00	10.71	107	3.8	30	70	130
Chlorobenzene	10.00	11.06	111	6.5	30	60	133
Ethylbenzene	10.00	11.27	113	5.5	30	70	130
1,1,1,2-Tetrachloroethane	10.00	10.35	103	5.0	30	70	130
m&p-Xylene	20.00	22.68	113	5.5	30	70	130
o-Xylene	10.00	10.91	109	3.7	30	70	130
Styrene	10.00	7.913	79	5.2	30	70	130
Bromoform	10.00	9.502	95	4.3	30	70	130
Isopropylbenzene	10.00	10.86	109	4.7	30	70	130
Bromobenzene	10.00	10.44	104	5.9	30	70	130
n-Propylbenzene	10.00	10.87	109	4.7	30	70	130
1,1,2,2-Tetrachloroethane	10.00	10.77	108	3.8	30	70	130
2-Chlorotoluene	10.00	10.64	106	5.8	30	70	130
1,3,5-Trimethylbenzene	10.00	10.66	107	4.8	30	70	130
1,2,3-Trichloropropane	10.00	10.97	110	3.7	30	70	130
trans-1,4-Dichloro-2-butene	50.00	43.26	87	5.9	30	70	130
4-Chlorotoluene	10.00	10.76	108	6.7	30	70	130
tert-Butylbenzene	10.00	11.15	112	5.5	30	70	130

FORM III VOA

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNYLab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCP97096Matrix Spike - Client Id: CP99720 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L		MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.	
1,2,4-Trimethylbenzene	10.00	0.0		10.15	101	70	130
sec-Butylbenzene	10.00	0.0		11.08	111	70	130
p-Isopropyltoluene	10.00	0.0		10.78	108	70	130
1,3-Dichlorobenzene	10.00	0.0		10.08	101	70	130
1,4-Dichlorobenzene	10.00	0.0		10.34	103	70	130
2-Isopropyltoluene	10.00	0.0		10.76	108	70	130
n-Butylbenzene	10.00	0.0		11.21	112	70	130
1,2-Dichlorobenzene	10.00	0.0		10.54	105	70	130
1,2-Dibromo-3-Chloropropane	10.00	0.0		10.27	103	70	130
Hexachlorobutadiene	10.00	0.0		10.85	108	70	130
1,2,4-Trichlorobenzene	10.00	0.0		10.36	104	70	130
Naphthalene	10.00	0.0		10.98	110	70	130
1,2,3-Trichlorobenzene	10.00	0.0		11.00	110	70	130
Tetrachloroethene	100.0	0.0		232.4	105	70	130
COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
1,2,4-Trimethylbenzene	10.00	10.75	107	5.8	30	70	130
sec-Butylbenzene	10.00	11.66	117	5.3	30	70	130
p-Isopropyltoluene	10.00	11.21	112	3.6	30	70	130
1,3-Dichlorobenzene	10.00	10.72	107	5.8	30	70	130
1,4-Dichlorobenzene	10.00	10.91	109	5.7	30	70	130
2-Isopropyltoluene	10.00	11.31	113	4.5	30	70	130
n-Butylbenzene	10.00	11.88	119	6.1	30	70	130
1,2-Dichlorobenzene	10.00	11.02	110	4.7	30	70	130
1,2-Dibromo-3-Chloropropane	10.00	10.57	106	2.9	30	70	130
Hexachlorobutadiene	10.00	11.41	114	5.4	30	70	130
1,2,4-Trichlorobenzene	10.00	11.20	112	7.4	30	70	130
Naphthalene	10.00	11.44	114	3.6	30	70	130
1,2,3-Trichlorobenzene	10.00	11.57	116	5.3	30	70	130
Tetrachloroethene	100.0	241.1	113	7.3	30	70	130

FORM III VOA

4A
VOLATILE METHOD BLANK SUMMARY

Client ID

CP96683 BLANK

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCP97096

Lab File ID: 0201_06.D

Lab Sample ID: CP96683 BLK

Date Analyzed: 02/01/2024

Time Analyzed: 09:04

GC Column: RTX-VMS

Lab Batch ID: 716869

Instrument ID: CHEM17

Heated Purge:(Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CP96683 LCS	CP96683 LCS	0201_03.D	07:46
02	CP96683 LCSD	CP96683 LCSD	0201_04.D	08:11
03	TRIP BLANK	CP97099	0201_07.D	09:32
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COMMENTS:

FORM IV VOA

4A
VOLATILE METHOD BLANK SUMMARY

Client ID

CP98023 BLANK

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCP97096

Lab File ID: 0202_06.D

Lab Sample ID: CP98023 BLK

Date Analyzed: 02/02/2024

Time Analyzed: 09:42

GC Column: RTX-VMS

Lab Batch ID: 716979

Instrument ID: CHEM17

Heated Purge:(Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CP98023 LCS	CP98023 LCS	0202_03.D	08:22
02	CP98023 LCSD	CP98023 LCSD	0202_04.D	08:47
03	MW-12 50X	CP97096 50X	0202_08.D	10:37
04	MW-12 5X	CP97096 5X	0202_09.D	11:02
05	MW-XX 50X	CP97098 50X	0202_11.D	11:53
06	MW-XX 5X	CP97098 5X	0202_12.D	12:18
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COMMENTS:

FORM IV VOA

4A
VOLATILE METHOD BLANK SUMMARY

Client ID

CP99440 BLANK

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCP97096

Lab File ID: 0205_06.D

Lab Sample ID: CP99440 BLK

Date Analyzed: 02/05/2024

Time Analyzed: 08:44

GC Column: RTX-VMS

Lab Batch ID: 717126

Instrument ID: CHEM02

Heated Purge:(Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CP99440 LCS	CP99440 LCS	0205_03.D	07:27
02	CP99440 LCSD	CP99440 LCSD	0205_04.D	07:51
03	MW-12 100X	CP97096 100X	0205_13.D	11:50
04	MW-XX 100X	CP97098 100X	0205_14.D	12:14
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COMMENTS:

FORM IV VOA

4A
VOLATILE METHOD BLANK SUMMARY

Client ID

CP99720 BLANK

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCP97096

Lab File ID: 0205_32.D

Lab Sample ID: CP99720 BLK

Date Analyzed: 02/05/2024

Time Analyzed: 19:29

GC Column: RTX-VMS

Lab Batch ID: 717121

Instrument ID: CHEM02

Heated Purge:(Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CP99720 LCS	CP99720 LCS	0205_29.D	18:13
02	CP99720 LCSD	CP99720 LCSD	0205_30.D	18:36
03	MW-3I	CP97097	0205_34.D	20:22
04	CP99720 QC	CP99720	0205_48.D	01:53
05	CP99720 MS 10X	CP99720 MS 10X	0205_49.D	02:17
06	CP99720 MSD 10X	CP99720 MSD 10X	0205_50.D	02:41
07	CP99720 MS	CP99720 MS	0205_51.D	03:04
08	CP99720 MSD	CP99720 MSD	0205_52.D	03:28
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COMMENTS:

FORM IV VOA

5B
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096

Lab File ID: 0203_07.D BFB Injection Date: 02/03/24

Instrument ID: CHEM02 BFB Injection Time: 13:46

GC Column: RTX-VMS Heated Purge: (Y/N) N

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	Greater than 50.0% of mass 95	76.1
175	5.0 - 9.0% of mass 174	7.4 (5.7)1
176	95.0 - 101.0% of mass 174	96.1 (73.1)1
177	5.0 - 9.0% of mass 176	6.6 (4.8)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.5	VOA 0.5 PPB STD	0203_07.D	02/03/24	13:46	
02	ICAL 2	VOA 2 PPB STD	0203_09.D	02/03/24	14:34	
03	ICAL 4	VOA 4 PPB STD	0203_10.D	02/03/24	14:57	
04	ICAL 10	VOA 10 PPB STD	0203_11.D	02/03/24	15:21	
05	ICAL 20	VOA 20 PPB STD	0203_12.D	02/03/24	15:45	
06	ICAL 30	VOA 30 PPB STD	0203_13.D	02/03/24	16:08	
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(*) Outside 12 hr clock

FORM V

CLPBFB

Data Path : H:\V2024\CHEM02\02FEB\020324\
Data File : 0203_07.D
Acq On : 3 Feb 2024 1:46 pm
Operator :
Sample : VOA 0.5 PPB STD
Misc : VOA14L 02/03 JP
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Feb 06 08:31:31 2024

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.2	29643	PASS
75	95	30	60	49.1	72200	PASS
95	95	100	100	100.0	146923	PASS
96	95	5	9	6.6	9640	PASS
173	174	0.00	2	0.2	205	PASS
174	95	50	100	76.1	111800	PASS
175	174	5	9	7.4	8309	PASS
176	174	95	101	96.1	107384	PASS
177	176	5	9	6.6	7068	PASS

VT-P020324.M Tue Feb 06 08:32:24 2024

5B
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCP97096

Lab File ID: 0205_02.D

BFB Injection Date: 02/05/24

Instrument ID: CHEM02

BFB Injection Time: 07:04

GC Column: RTX-VMS

Heated Purge: (Y/N) N

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.7)1
174	Greater than 50.0% of mass 95	75.3
175	5.0 - 9.0% of mass 174	7.1 (5.4)1
176	95.0 - 101.0% of mass 174	95.8 (72.2)1
177	5.0 - 9.0% of mass 176	6.8 (4.9)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 10	VOA 10 PPB STD. VOA14L II	0205_02.D	02/05/24	07:04	
02	CP99440 LCS	CP99440 LCS	0205_03.D	02/05/24	07:27	
03	CP99440 LCSD	CP99440 LCSD	0205_04.D	02/05/24	07:51	
04	CP99440 BLANK	CP99440 BLANK	0205_06.D	02/05/24	08:44	
05	MW-12 100X	CP97096 100X	0205_13.D	02/05/24	11:50	
06	MW-XX 100X	CP97098 100X	0205_14.D	02/05/24	12:14	
07	CCAL 10	VOA 10 PPB STD. VOA14L II	0205_27.D	02/05/24	17:21	
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(*) Outside 12 hr clock

FORM V

CLPBFB

Data Path : H:\V2024\CHEM02\02FEB\020524\
Data File : 0205_02.D
Acq On : 5 Feb 2024 7:04 am
Operator :
Sample : VOA 10 PPB STD.
Misc : VOA14L III 02/05 V
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Feb 03 16:22:43 2024

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.3	31099	PASS
75	95	30	60	49.4	75736	PASS
95	95	100	100	100.0	153195	PASS
96	95	5	9	6.8	10369	PASS
173	174	0.00	2	0.7	829	PASS
174	95	50	100	75.3	115416	PASS
175	174	5	9	7.1	8233	PASS
176	174	95	101	95.8	110592	PASS
177	176	5	9	6.8	7487	PASS

VT-P020324.M Mon Feb 05 07:17:49 2024

5B
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096

Lab File ID: 0205_28.D BFB Injection Date: 02/05/24

Instrument ID: CHEM02 BFB Injection Time: 17:45

GC Column: RTX-VMS Heated Purge: (Y/N) N

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	Greater than 50.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	7.3 (5.5)1
176	95.0 - 101.0% of mass 174	96.1 (72.2)1
177	5.0 - 9.0% of mass 176	6.5 (4.7)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 10	VOA 10 PPB STD. VOA14L II	0205_28.D	02/05/24	17:45	
02	CP99720 LCS	CP99720 LCS	0205_29.D	02/05/24	18:13	
03	CP99720 LCSD	CP99720 LCSD	0205_30.D	02/05/24	18:36	
04	CP99720 BLANK	CP99720 BLANK	0205_32.D	02/05/24	19:29	
05	MW-3I	CP97097	0205_34.D	02/05/24	20:22	
06	CP99720 QC	CP99720 QC	0205_48.D	02/06/24	01:53	
07	CP99720 MS 10X	CP99720 MS 10X	0205_49.D	02/06/24	02:17	
08	CP99720 MSD 10X	CP99720 MSD 10X	0205_50.D	02/06/24	02:41	
09	CP99720 MS	CP99720 MS	0205_51.D	02/06/24	03:04	
10	CP99720 MSD	CP99720 MSD	0205_52.D	02/06/24	03:28	
11	CCAL 10	VOA 10 PPB STD. VOA14L II	0205_53.D	02/06/24	03:52	
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(*) Outside 12 hr clock

FORM V

CLPBFB

Data Path : H:\V2024\CHEM02\02FEB\020524\
Data File : 0205_28.D
Acq On : 5 Feb 2024 5:45 pm
Operator :
Sample : VOA 10 PPB STD.
Misc : VOA14L III 02/05 V
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Feb 03 16:22:43 2024

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	21.1	26392	PASS
75	95	30	60	49.7	62176	PASS
95	95	100	100	100.0	125005	PASS
96	95	5	9	6.6	8207	PASS
173	174	0.00	2	0.3	252	PASS
174	95	50	100	75.2	93947	PASS
175	174	5	9	7.3	6896	PASS
176	174	95	101	96.1	90283	PASS
177	176	5	9	6.5	5839	PASS

VT-P020324.M Mon Feb 05 17:56:46 2024

5B
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCP97096

Lab File ID: 0122_07.D

BFB Injection Date: 01/22/24

Instrument ID: CHEM17

BFB Injection Time: 12:40

GC Column: RTX-VMS

Heated Purge: (Y/N) N

AutoFind: Scans 1194, 1195, 1196; Background Corrected with Scan 1187

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 60.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	81.3
175	5.0 - 9.0% of mass 174	7.7 (6.2)1
176	95.0 - 101.0% of mass 174	96.2 (78.2)1
177	5.0 - 9.0% of mass 176	7.0 (5.5)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.5	VOA 0.5 PPB STD.	0122_07.D	01/22/24	12:40	
02	ICAL 2	VOA 2 PPB STD.	0122_08.D	01/22/24	13:06	
03	ICAL 4	VOA 4 PPB STD.	0122_09.D	01/22/24	13:31	
04	ICAL 10	VOA 10 PPB STD.	0122_10.D	01/22/24	13:56	
05	ICAL 20	VOA 20 PPB STD.	0122_11.D	01/22/24	14:22	
06	ICAL 30	VOA 30 PPB STD.	0122_12.D	01/22/24	14:47	
07						
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25						

(*) Outside 12 hr clock

FORM V

CLPBFB

Data Path : H:\V2024\CHEM17\01JAN\012224\
Data File : 0122_07.D
Acq On : 22 Jan 2024 12:40 pm
Operator :
Sample : VOA 0.5 PPB STD.
Misc : VOA13G I 01/22 V
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : H:\V2024\CHEM17\Methods\VT-012224.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Jan 23 10:34:02 2024

AutoFind: Scans 1194, 1195, 1196; Background Corrected with Scan 1187

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	42117	PASS
75	95	30	60	50.6	96032	PASS
95	95	100	100	100.0	189717	PASS
96	95	5	9	6.7	12780	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.3	154301	PASS
175	174	5	9	7.7	11831	PASS
176	174	95	101	96.2	148376	PASS
177	176	5	9	7.0	10434	PASS

VT-012224.M Tue Jan 23 10:56:31 2024

5B
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096

Lab File ID: 0201_02.D BFB Injection Date: 02/01/24

Instrument ID: CHEM17 BFB Injection Time: 07:21

GC Column: RTX-VMS Heated Purge: (Y/N) N

AutoFind: Scans 1195, 1196, 1197; Background Corrected with Scan 1188

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	47.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.5
175	5.0 - 9.0% of mass 174	7.5 (6.4)1
176	95.0 - 101.0% of mass 174	97.0 (83.0)1
177	5.0 - 9.0% of mass 176	6.3 (5.3)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 10	VOA 10 PPB STD. VOA14L II	0201_02.D	02/01/24	07:21	
02	CP96683 LCS	CP96683 LCS	0201_03.D	02/01/24	07:46	
03	CP96683 LCSD	CP96683 LCSD	0201_04.D	02/01/24	08:11	
04	CP96683 BLANK	CP96683 BLANK	0201_06.D	02/01/24	09:04	
05	TRIP BLANK	CP97099	0201_07.D	02/01/24	09:32	
06	CCAL 10	VOA 10 PPB STD. VOA14L II	0201_25.D	02/01/24	17:07	
07						
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25						

(*) Outside 12 hr clock

FORM V

CLPBFB

Data Path : H:\V2024\CHEM17\02FEB\020124\
Data File : 0201_02.D
Acq On : 1 Feb 2024 7:21 am
Operator :
Sample : VOA 10 PPB STD.
Misc : VOA14L II 02/01 V
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Jan 23 10:34:02 2024

AutoFind: Scans 1195, 1196, 1197; Background Corrected with Scan 1188

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	32203	PASS
75	95	30	60	47.4	79293	PASS
95	95	100	100	100.0	167317	PASS
96	95	5	9	6.5	10915	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.5	143109	PASS
175	174	5	9	7.5	10708	PASS
176	174	95	101	97.0	138837	PASS
177	176	5	9	6.3	8807	PASS

VT-012224.M Thu Feb 01 07:41:58 2024

5B
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCP97096

Lab File ID: 0202_02.D

BFB Injection Date: 02/02/24

Instrument ID: CHEM17

BFB Injection Time: 07:57

GC Column: RTX-VMS

Heated Purge: (Y/N) N

AutoFind: Scans 1195, 1196, 1197; Background Corrected with Scan 1188

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	86.8
175	5.0 - 9.0% of mass 174	7.3 (6.4)1
176	95.0 - 101.0% of mass 174	95.0 (82.5)1
177	5.0 - 9.0% of mass 176	6.7 (5.5)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 10	VOA 10 PPB STD. VOA14L II	0202_02.D	02/02/24	07:57	
02	CP98023 LCS	CP98023 LCS	0202_03.D	02/02/24	08:22	
03	CP98023 LCSD	CP98023 LCSD	0202_04.D	02/02/24	08:47	
04	CP98023 BLANK	CP98023 BLANK	0202_06.D	02/02/24	09:42	
05	MW-12 50X	CP97096 50X	0202_08.D	02/02/24	10:37	
06	MW-12 5X	CP97096 5X	0202_09.D	02/02/24	11:02	
07	MW-XX 50X	CP97098 50X	0202_11.D	02/02/24	11:53	
08	MW-XX 5X	CP97098 5X	0202_12.D	02/02/24	12:18	
09	CCAL 10	VOA 10 PPB STD. VOA14L II	0202_28.D	02/02/24	19:03	
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(*) Outside 12 hr clock

FORM V

CLPBFB

Data Path : H:\V2024\CHEM17\02FEB\020224\
Data File : 0202_02.D
Acq On : 2 Feb 2024 7:57 am
Operator :
Sample : VOA 10 PPB STD.
Misc : VOA14L II 02/02 V
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Jan 23 10:34:02 2024

AutoFind: Scans 1195, 1196, 1197; Background Corrected with Scan 1188

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.9	31157	PASS
75	95	30	60	47.6	74624	PASS
95	95	100	100	100.0	156728	PASS
96	95	5	9	6.6	10403	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.8	136013	PASS
175	174	5	9	7.3	9990	PASS
176	174	95	101	95.0	129243	PASS
177	176	5	9	6.7	8640	PASS

VT-012224.M Fri Feb 02 08:10:06 2024

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Lab Method / File Id: VT-P020324.M / 0203_11.D Date Analyzed: 02/03/24

Instrument ID: CHEM02 Time Analyzed: 15:21

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #	LAB FILE ID
REFERENCE STD	289997	3.82	473758	4.19	402936	6.25	228717	7.90	0203_11.D
UPPER LIMIT	594494	4.32	971204	4.69	826019	6.75	468870	8.40	0203_11.D
LOWER LIMIT	143549	3.32	234510	3.69	199453	5.75	113215	7.40	0203_11.D
CLIENT ID									
01 ICAL 0.5	288441	3.82	469419	4.19	395353	6.25	222375	7.90	0203_07.D
02 ICAL 2	307227	3.82	498838	4.19	416636	6.25	235785	7.90	0203_09.D
03 ICAL 4	301494	3.82	489530	4.19	413147	6.25	234611	7.90	0203_10.D
04 ICAL 20	291244	3.82	470403	4.19	411715	6.25	234052	7.90	0203_12.D
05 ICAL 30	283157	3.82	459446	4.19	410031	6.25	231357	7.90	0203_13.D
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22									

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096
 Lab Method / File Id: VT-P020324.M / 0203_11.D Date Analyzed: 02/03/24
 Instrument ID: CHEM02 Time Analyzed: 15:21
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS5 (DXN) AREA #	RT #							LAB FILE ID
REFERENCE STD	22295	4.69							0203_11.D
UPPER LIMIT	NA	NA							0203_11.D
LOWER LIMIT	NA	NA							0203_11.D
CLIENT ID									
01 ICAL 0.5	22212	4.69							0203_07.D
02 ICAL 2	23259	4.69							0203_09.D
03 ICAL 4	24423	4.69							0203_10.D
04 ICAL 20	21721	4.69							0203_12.D
05 ICAL 30	23241	4.69							0203_13.D
06									
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IS5 (DXN) = 1,4-Dioxane*D8

Due to the poor response for certain compounds, 1,4-Dioxane-d8 is used as the internal standard for this delivery group.
 Note, there are no recovery ranges for this internal standard.

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Lab Method / File Id: VT-P020324.M / 0205_02.D Date Analyzed: 02/05/24

Instrument ID: CHEM02 Time Analyzed: 7:04

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #	LAB FILE ID
REFERENCE STD	287046	3.82	462352	4.19	398672	6.25	234998	7.90	0205_02.D
UPPER LIMIT	588444	4.32	947822	4.69	817278	6.75	481746	8.40	0205_02.D
LOWER LIMIT	142088	3.32	228864	3.69	197343	5.75	116324	7.40	0205_02.D
CLIENT ID									
01 CP99440 LCS	280668	3.82	454116	4.19	390413	6.25	228844	7.90	0205_03.D
02 CP99440 LCSD	280473	3.82	456470	4.19	392484	6.25	230207	7.90	0205_04.D
03 CP99440 BLANK	277477	3.82	452247	4.19	380619	6.25	215940	7.90	0205_06.D
04 MW-12 100X	266902	3.82	435757	4.19	359309	6.25	203970	7.90	0205_13.D
05 MW-XX 100X	273944	3.82	451696	4.19	374099	6.25	210002	7.90	0205_14.D
06									
07									
08									
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18									
19									
20									
21									
22									

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096
 Lab Method / File Id: VT-P020324.M / 0205_02.D Date Analyzed: 02/05/24
 Instrument ID: CHEM02 Time Analyzed: 7:04
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS5 (DXN) AREA #	RT #							LAB FILE ID
REFERENCE STD	26323	4.69							0205_02.D
UPPER LIMIT	NA	NA							0205_02.D
LOWER LIMIT	NA	NA							0205_02.D
CLIENT ID									
01 CP99440 LCS	27817	4.69							0205_03.D
02 CP99440 LCSD	28972	4.69							0205_04.D
03 CP99440 BLANK	23954	4.69							0205_06.D
04 MW-12 100X	25251	4.69							0205_13.D
05 MW-XX 100X	25607	4.69							0205_14.D
06									
07									
08									
09									
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IS5 (DXN) = 1,4-Dioxane*D8

Due to the poor response for certain compounds, 1,4-Dioxane-d8 is used as the internal standard for this delivery group.
 Note, there are no recovery ranges for this internal standard.

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Lab Method / File Id: VT-P020324.M / 0205_28.D Date Analyzed: 02/05/24

Instrument ID: CHEM02 Time Analyzed: 17:45

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #	LAB FILE ID
REFERENCE STD	240266	3.82	391736	4.19	323717	6.25	194801	7.90	0205_28.D
UPPER LIMIT	492545	4.32	803059	4.69	663620	6.75	399342	8.40	0205_28.D
LOWER LIMIT	118932	3.32	193909	3.69	160240	5.75	96426	7.40	0205_28.D
CLIENT ID									
01 CP99720 LCS	234260	3.82	377237	4.19	311258	6.25	186313	7.90	0205_29.D
02 CP99720 LCSD	253643	3.82	412030	4.19	342165	6.25	205169	7.90	0205_30.D
03 CP99720 BLANK	257354	3.82	415775	4.19	339136	6.25	189933	7.90	0205_32.D
04 MW-3I	259405	3.82	422279	4.19	355692	6.25	197061	7.90	0205_34.D
05 CP99720 QC	243153	3.82	399483	4.19	319629	6.25	184914	7.90	0205_48.D
06 CP99720 MS 10X	233717	3.82	388593	4.19	318340	6.25	194760	7.90	0205_49.D
07 CP99720 MSD 10X	238499	3.82	392169	4.19	321568	6.25	196216	7.90	0205_50.D
08 CP99720 MS	249822	3.82	407056	4.19	335377	6.25	204722	7.90	0205_51.D
09 CP99720 MSD	234537	3.82	383978	4.19	315809	6.25	193246	7.90	0205_52.D
10									
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19									
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21									
22									

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096
 Lab Method / File Id: VT-P020324.M / 0205_28.D Date Analyzed: 02/05/24
 Instrument ID: CHEM02 Time Analyzed: 17:45
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS5 (DXN) AREA #	RT #							LAB FILE ID
REFERENCE STD	21405	4.69							0205_28.D
UPPER LIMIT	NA	NA							0205_28.D
LOWER LIMIT	NA	NA							0205_28.D
CLIENT ID									
01 CP99720 LCS	22743	4.69							0205_29.D
02 CP99720 LCSD	24518	4.69							0205_30.D
03 CP99720 BLANK	24545	4.69							0205_32.D
04 MW-3I	19875	4.69							0205_34.D
05 CP99720 QC	24015	4.69							0205_48.D
06 CP99720 MS 10X	22416	4.69							0205_49.D
07 CP99720 MSD 10X	23813	4.69							0205_50.D
08 CP99720 MS	24778	4.69							0205_51.D
09 CP99720 MSD	23582	4.69							0205_52.D
10									
11									
12									
13									
14									
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18									
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22									

IS5 (DXN) = 1,4-Dioxane*D8

Due to the poor response for certain compounds, 1,4-Dioxane-d8 is used as the internal standard for this delivery group.
 Note, there are no recovery ranges for this internal standard.

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Lab Method / File Id: VT-012224.M / 0122_10.D Date Analyzed: 01/22/24

Instrument ID: CHEM17 Time Analyzed: 13:56

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #	LAB FILE ID
REFERENCE STD	378883	3.67	653646	4.04	605125	6.10	310654	7.80	0122_10.D
UPPER LIMIT	776710	4.17	1339974	4.54	1240506	6.60	636841	8.30	0122_10.D
LOWER LIMIT	187547	3.17	323555	3.54	299537	5.60	153774	7.30	0122_10.D
CLIENT ID									
01 ICAL 0.5	415113	3.67	720704	4.04	634415	6.10	325676	7.80	0122_07.D
02 ICAL 2	421166	3.67	700013	4.04	609018	6.10	316940	7.80	0122_08.D
03 ICAL 4	379916	3.67	684136	4.04	607837	6.10	309468	7.80	0122_09.D
04 ICAL 20	375219	3.67	634643	4.04	594687	6.10	315592	7.80	0122_11.D
05 ICAL 30	390989	3.67	615896	4.04	585424	6.10	317159	7.80	0122_12.D
06									
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22									

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096
 Lab Method / File Id: VT-012224.M / 0122_10.D Date Analyzed: 01/22/24
 Instrument ID: CHEM17 Time Analyzed: 13:56
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS5 (DXN) AREA #	RT #							LAB FILE ID
REFERENCE STD	29127	4.54							0122_10.D
UPPER LIMIT	NA	NA							0122_10.D
LOWER LIMIT	NA	NA							0122_10.D
CLIENT ID									
01 ICAL 0.5	23391	4.54							0122_07.D
02 ICAL 2	25417	4.54							0122_08.D
03 ICAL 4	27136	4.54							0122_09.D
04 ICAL 20	31921	4.54							0122_11.D
05 ICAL 30	29668	4.54							0122_12.D
06									
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IS5 (DXN) = 1,4-Dioxane*D8

Due to the poor response for certain compounds, 1,4-Dioxane-d8 is used as the internal standard for this delivery group.
 Note, there are no recovery ranges for this internal standard.

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Lab Method / File Id: VT-012224.M / 0201_02.D Date Analyzed: 02/01/24

Instrument ID: CHEM17 Time Analyzed: 7:21

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #	LAB FILE ID
REFERENCE STD	369752	3.67	570641	4.04	520911	6.10	270759	7.80	0201_02.D
UPPER LIMIT	757992	4.17	1169814	4.54	1067868	6.60	555056	8.30	0201_02.D
LOWER LIMIT	183027	3.17	282467	3.54	257851	5.60	134026	7.30	0201_02.D
CLIENT ID									
01 CP96683 LCS	375091	3.67	568007	4.04	510244	6.10	260592	7.80	0201_03.D
02 CP96683 LCSD	361905	3.67	570002	4.04	522147	6.10	270299	7.80	0201_04.D
03 CP96683 BLANK	409472	3.67	619844	4.04	522655	6.10	270991	7.80	0201_06.D
04 TRIP BLANK	428791	3.67	640505	4.04	520244	6.10	264740	7.80	0201_07.D
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22									

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096
 Lab Method / File Id: VT-012224.M / 0201_02.D Date Analyzed: 02/01/24
 Instrument ID: CHEM17 Time Analyzed: 7:21
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS5 (DXN) AREA #	RT #							LAB FILE ID
REFERENCE STD	20373	4.54							0201_02.D
UPPER LIMIT	NA	NA							0201_02.D
LOWER LIMIT	NA	NA							0201_02.D
CLIENT ID									
01 CP96683 LCS	17488	4.54							0201_03.D
02 CP96683 LCSD	22755	4.54							0201_04.D
03 CP96683 BLANK	22753	4.54							0201_06.D
04 TRIP BLANK	20695	4.53							0201_07.D
05									
06									
07									
08									
09									
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IS5 (DXN) = 1,4-Dioxane*D8

Due to the poor response for certain compounds, 1,4-Dioxane-d8 is used as the internal standard for this delivery group.
 Note, there are no recovery ranges for this internal standard.

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Lab Method / File Id: VT-012224.M / 0202_02.D Date Analyzed: 02/02/24

Instrument ID: CHEM17 Time Analyzed: 7:57

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #	LAB FILE ID
REFERENCE STD	355150	3.67	545908	4.04	483643	6.10	244745	7.80	0202_02.D
UPPER LIMIT	728058	4.17	1119111	4.54	991468	6.60	501727	8.30	0202_02.D
LOWER LIMIT	175799	3.17	270224	3.54	239403	5.60	121149	7.30	0202_02.D
CLIENT ID									
01 CP98023 LCS	358141	3.67	540764	4.04	479788	6.10	248021	7.80	0202_03.D
02 CP98023 LCSD	354008	3.67	537653	4.04	484588	6.10	245722	7.80	0202_04.D
03 CP98023 BLANK	387096	3.67	589769	4.04	497649	6.11	250554	7.80	0202_06.D
04 MW-12 50X	379184	3.67	586616	4.04	499926	6.10	250443	7.80	0202_08.D
05 MW-12 5X	360914	3.67	560093	4.04	493397	6.10	253364	7.80	0202_09.D
06 MW-XX 50X	369477	3.67	574476	4.04	502817	6.10	260273	7.80	0202_11.D
07 MW-XX 5X	351007	3.67	551041	4.04	484171	6.10	252147	7.80	0202_12.D
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22									

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096
 Lab Method / File Id: VT-012224.M / 0202_02.D Date Analyzed: 02/02/24
 Instrument ID: CHEM17 Time Analyzed: 7:57
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS5 (DXN) AREA #	RT #							LAB FILE ID
REFERENCE STD	19121	4.54							0202_02.D
UPPER LIMIT	NA	NA							0202_02.D
LOWER LIMIT	NA	NA							0202_02.D
CLIENT ID									
01 CP98023 LCS	20401	4.54							0202_03.D
02 CP98023 LCSD	20773	4.54							0202_04.D
03 CP98023 BLANK	21635	4.54							0202_06.D
04 MW-12 50X	19156	4.54							0202_08.D
05 MW-12 5X	20104	4.54							0202_09.D
06 MW-XX 50X	20951	4.54							0202_11.D
07 MW-XX 5X	18617	4.54							0202_12.D
08									
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21									
22									

IS5 (DXN) = 1,4-Dioxane*D8

Due to the poor response for certain compounds, 1,4-Dioxane-d8 is used as the internal standard for this delivery group.
 Note, there are no recovery ranges for this internal standard.

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-12 5X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97096 5X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_09.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 5

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	5.0	U	1.3	5.0	r
74-87-3	Chloromethane	5.0	U	1.3	5.0	r
75-01-4	Vinyl Chloride	2.0	U	1.3	2.0	r
74-83-9	Bromomethane	5.0	U	1.3	5.0	r
75-00-3	Chloroethane	5.0	U	1.3	5.0	r
75-69-4	Trichlorofluoromethane	5.0	U	1.3	5.0	r
75-35-4	1,1-Dichloroethene	100		1.3	5.0	r
76-13-1	Trichlorotrifluoroethane	5.7		1.3	5.0	r
75-15-0	Carbon Disulfide	5.0	U	1.3	5.0	r
107-02-8	Acrolein	13	U	13	13	r
75-09-2	Methylene Chloride	5.0	U	5.0	5.0	r
67-64-1	Acetone	25	U	13	25	r
156-60-5	Trans-1,2-Dichloroethene	4.8	J	1.3	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	5.0	U	1.3	5.0	r
75-34-3	1,1-Dichloroethane	120		1.3	25	r
107-13-1	Acrylonitrile	5.0	U	5.0	5.0	r
156-59-2	Cis-1,2-Dichloroethene	250	E	1.3	5.0	
594-20-7	2,2-Dichloropropane	5.0	U	1.3	5.0	r
74-97-5	Bromochloromethane	5.0	U	1.3	5.0	r
67-66-3	Chloroform	7.0	U	1.3	7.0	r
56-23-5	Carbon Tetrachloride	5.0	U	1.3	5.0	r
109-99-9	Tetrahydrofuran (THF)	25	U	13	25	r
71-55-6	1,1,1-Trichloroethane	1100	E	1.3	25	
78-93-3	Methyl Ethyl Ketone	13	U	13	13	r
563-58-6	1,1-Dichloropropene	5.0	U	1.3	5.0	r
71-43-2	Benzene	1.3	U	1.3	1.3	r
107-06-2	1,2-Dichloroethane	2.5	U	2.5	2.5	r
79-01-6	Trichloroethene	31		1.3	5.0	r
74-95-3	Dibromomethane	5.0	U	1.3	5.0	r
78-87-5	1,2-dichloropropane	1.3	U	1.3	1.3	r
75-27-4	Bromodichloromethane	5.0	U	1.3	5.0	r
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	1.3	r
108-88-3	Toluene	36		1.3	5.0	r
108-10-1	4-Methyl-2-Pentanone	13	U	13	13	r
127-18-4	Tetrachloroethene	5.4		1.3	5.0	r
10061-02-6	trans-1,3-Dichloropropene	1.3	U	1.3	1.3	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-12 5X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97096 5X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_09.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 5

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	1.3	r
124-48-1	Dibromochloromethane	5.0	U	1.3	5.0	r
142-28-9	1,3-Dichloropropane	5.0	U	1.3	5.0	r
106-93-4	1,2-Dibromoethane	1.3	U	1.3	1.3	r
591-78-6	2-Hexanone	13	U	13	13	r
108-90-7	Chlorobenzene	5.0	U	1.3	5.0	r
100-41-4	Ethylbenzene	3.7	J	1.3	5.0	r
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	1.3	5.0	r
179601-23-1	m&p-Xylene	9.5		1.3	5.0	r
95-47-6	o-Xylene	3.7	J	1.3	5.0	r
100-42-5	Styrene	5.0	U	1.3	5.0	r
75-25-2	Bromoform	25	U	1.3	25	r
98-82-8	Isopropylbenzene	5.0	U	1.3	5.0	r
108-86-1	Bromobenzene	5.0	U	1.3	5.0	r
103-65-1	n-Propylbenzene	5.0	U	1.3	5.0	r
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	1.3	5.0	r
95-49-8	2-Chlorotoluene	5.0	U	1.3	5.0	r
108-67-8	1,3,5-Trimethylbenzene	5.0	U	1.3	5.0	r
96-18-4	1,2,3-Trichloropropane	1.3	U	1.3	1.3	r
110-57-6	trans-1,4-Dichloro-2-butene	13	U	13	13	r
106-43-4	4-Chlorotoluene	5.0	U	1.3	5.0	r
98-06-6	tert-Butylbenzene	5.0	U	1.3	5.0	r
95-63-6	1,2,4-Trimethylbenzene	2.6	J	1.3	5.0	r
135-98-8	sec-Butylbenzene	5.0	U	1.3	5.0	r
99-87-6	p-Isopropyltoluene	5.0	U	1.3	5.0	r
541-73-1	1,3-Dichlorobenzene	3.0	U	1.3	3.0	r
106-46-7	1,4-Dichlorobenzene	5.0	U	1.3	5.0	r
527-84-4	2-Isopropyltoluene	5.0	U	1.3	5.0	r
104-51-8	n-Butylbenzene	5.0	U	1.3	5.0	r
95-50-1	1,2-Dichlorobenzene	3.3	J	1.3	4.7	r
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	2.5	2.5	r
87-68-3	Hexachlorobutadiene	1.0	U	1.0	1.0	r
120-82-1	1,2,4-Trichlorobenzene	5.0	U	1.3	5.0	r
91-20-3	Naphthalene	5.0	U	5.0	5.0	r
87-61-6	1,2,3-Trichlorobenzene	5.0	U	1.3	5.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_09.D
 Acq On : 2 Feb 2024 11:02 am
 Operator :
 Client ID : MW-12 5X
 Lab ID : CP97096 5X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:56:58 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

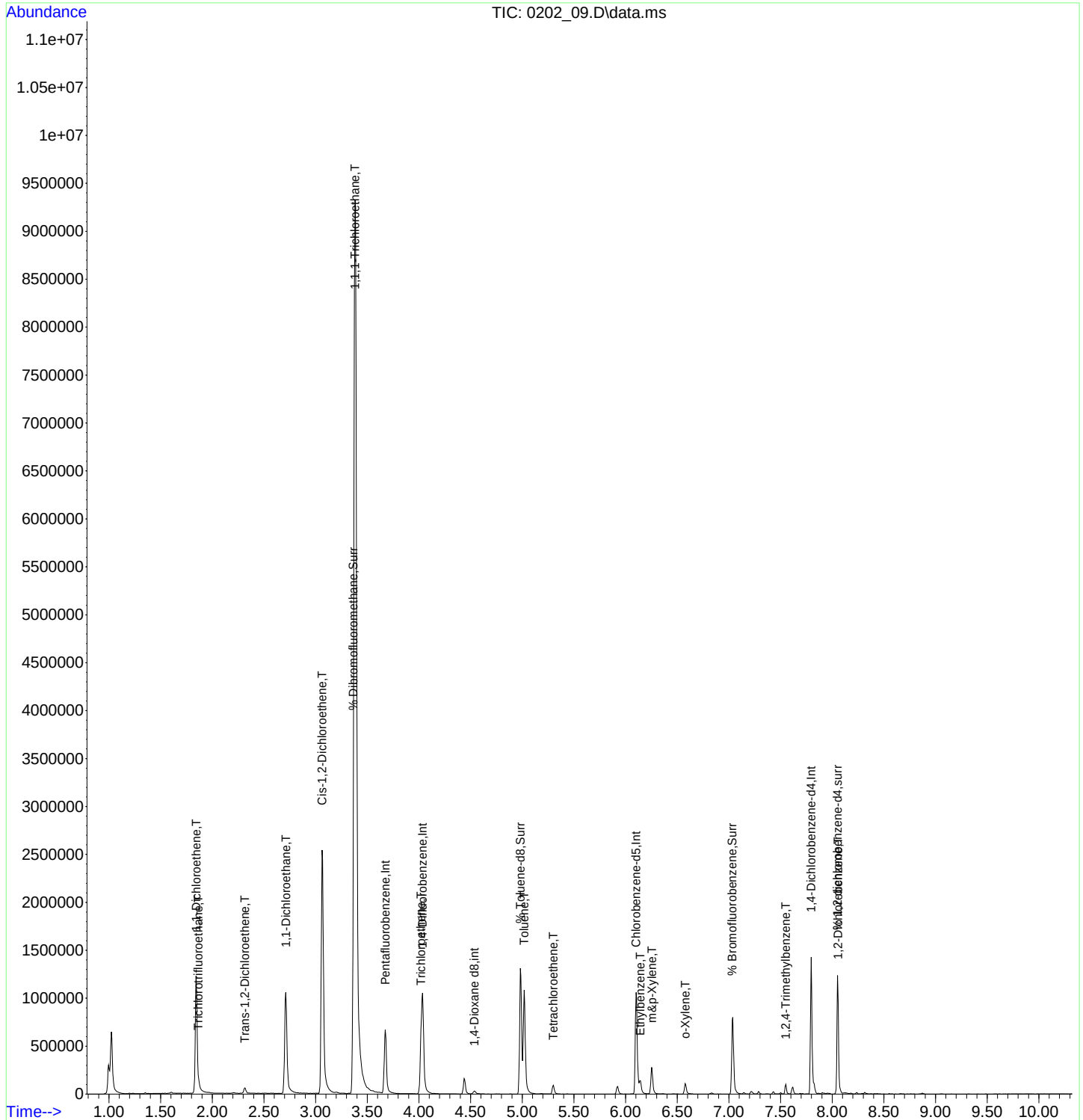
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	360914	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	560093	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	493397	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	253364	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	20104	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	22273	7.931	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	79.30%		
45) % Toluene-d8	4.982	98	685855	9.643	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.40%		
62) % Bromofluorobenzene	7.032	95	228956	9.460	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.60%		
64) % 1,2-dichlorobenzene-d4	8.052	152	197930	9.260	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.60%		
Target Compounds						
9) 1,1-Dichloroethene	1.844	96	322904	20.289	ug/l	93
10) Trichlorotrifluoroethane	1.865	151	14634	1.135	ug/l	95
15) Trans-1,2-Dichloroethene	2.314	96	16465	0.962	ug/l	96
19) 1,1-Dichloroethane	2.712	63	888090	24.537	ug/l	100
23) Cis-1,2-Dichloroethene	3.062	96	888316	50.644	ug/l	95
30) 1,1,1-Trichloroethane	3.381	97	5822533	218.792	ug/l	95
39) Trichloroethene	4.020	130	119469	6.278	ug/l	97
44) Toluene	5.019	92	356738	7.161	ug/l	99
47) Tetrachloroethene	5.301	164	18756	1.079	ug/l	96
56) Ethylbenzene	6.143	106	21947	0.745	ug/l	99
58) m&p-Xylene	6.253	106	66748	1.901	ug/l	97
59) o-Xylene	6.577	106	25632	0.738	ug/l	98
75) 1,2,4-Trimethylbenzene	7.550	105	39460	0.521	ug/l	98
83) 1,2-Dichlorobenzene	8.057	146	19571	0.663	ug/l	91

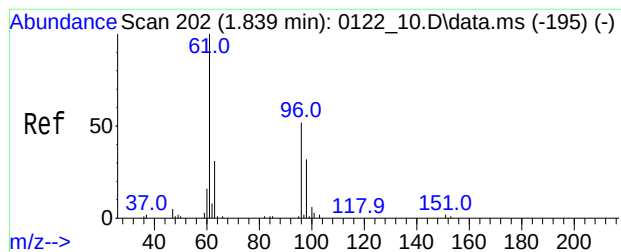
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(QT Reviewed)

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Acq On : 2 Feb 2024 11:02 am  
Operator :  
Client ID : MW-12 5X  
Lab ID : CP97096 5X  
ALS Vial : 1 Sample Multiplier: 1
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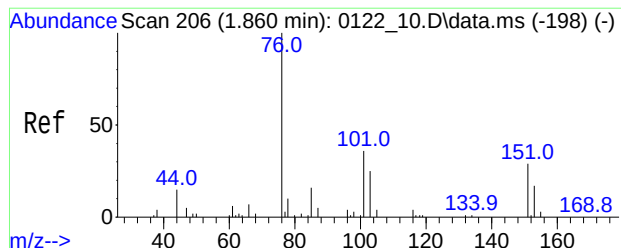
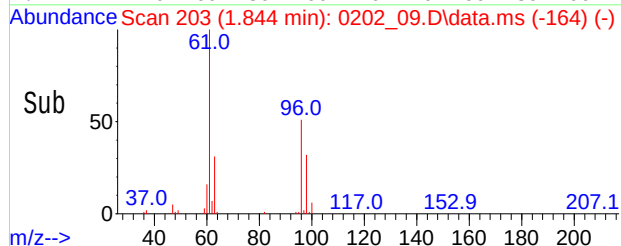
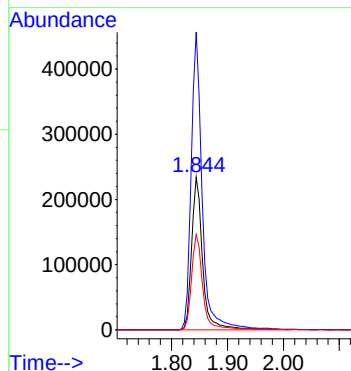
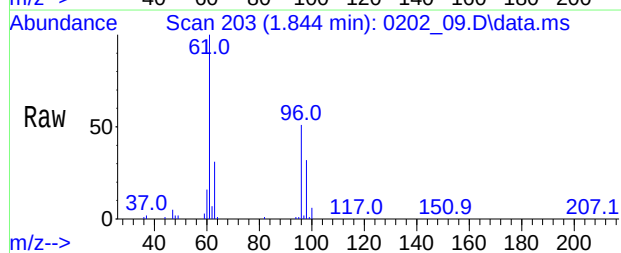
Quant Time: Feb 05 15:56:58 2024
Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration





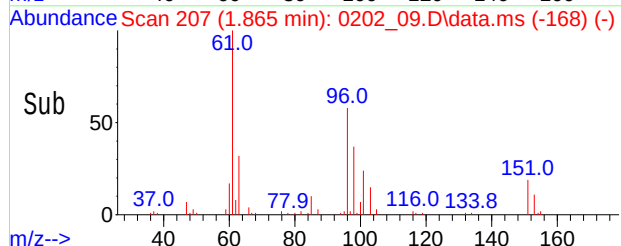
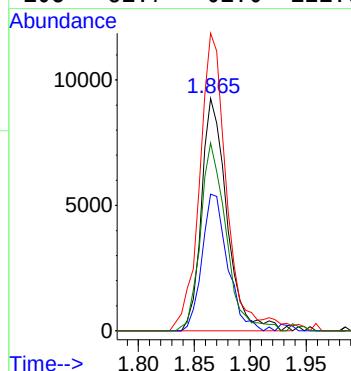
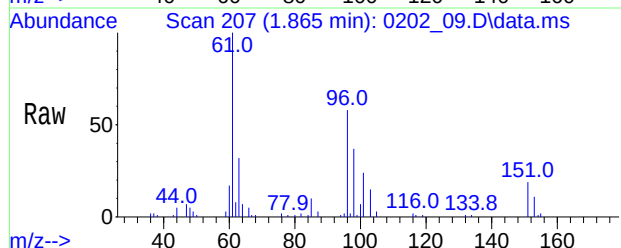
#9
1,1-Dichloroethene
Conc: 8\$ 20.289 ug/l
RT: 1.844 min Scan# 203
Delta R.T. 0.005 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

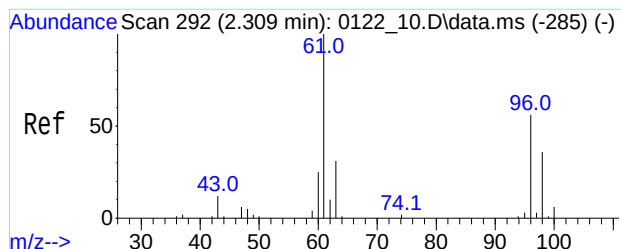
Tgt Ion: 96 Resp: 322904
Ion Ratio Lower Upper
96 100
61 193.8 177.1 237.1
98 62.2 33.1 93.1



#10
Trichlorotrifluoroethane
Conc: 8\$ 1.135 ug/l
RT: 1.865 min Scan# 207
Delta R.T. 0.005 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

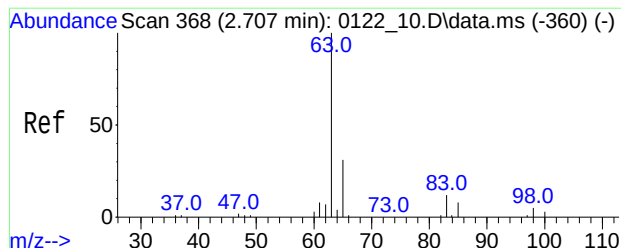
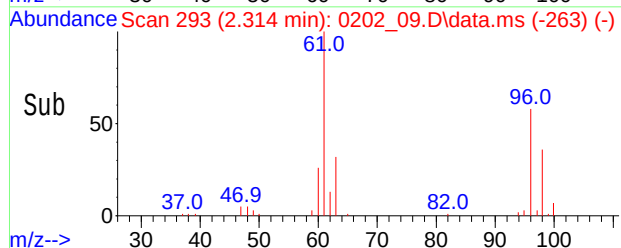
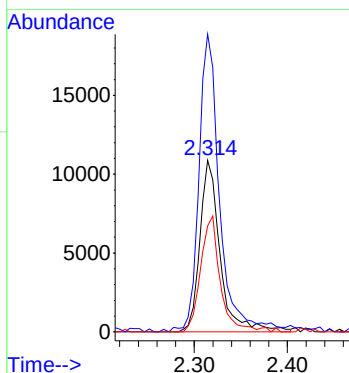
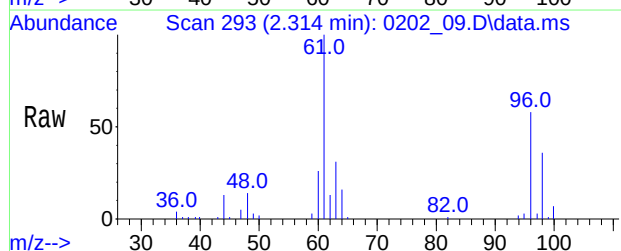
Tgt Ion: 151 Resp: 14634
Ion Ratio Lower Upper
151 100
153 58.9 31.8 91.8
101 137.6 109.9 169.9
103 81.7 61.6 121.6





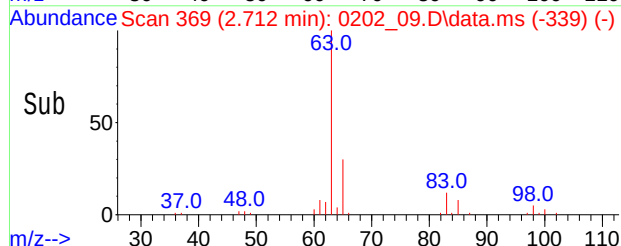
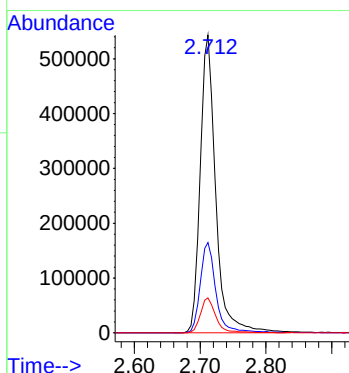
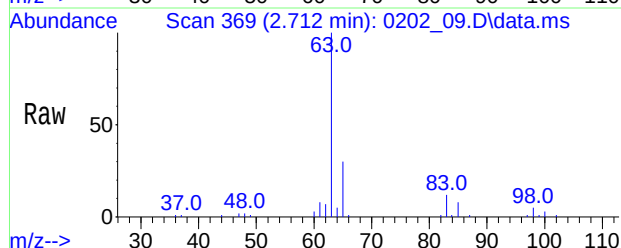
#15
 Trans-1,2-Dichloroethene
 Conc: 8\$ 0.962 ug/l
 RT: 2.314 min Scan# 293
 Delta R.T. 0.005 min
 Lab File: 0202_09.D
 Acq: 2 Feb 2024 11:02 am

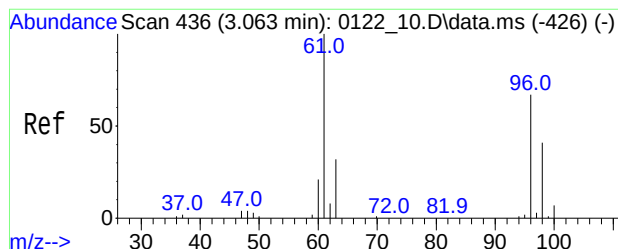
Tgt Ion: 96 Resp: 16465
 Ion Ratio Lower Upper
 96 100
 61 176.2 152.3 212.3
 98 65.6 33.5 93.5



#19
 1,1-Dichloroethane
 Conc: 8\$ 24.537 ug/l
 RT: 2.712 min Scan# 369
 Delta R.T. 0.005 min
 Lab File: 0202_09.D
 Acq: 2 Feb 2024 11:02 am

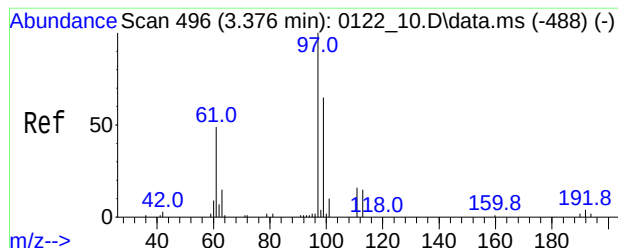
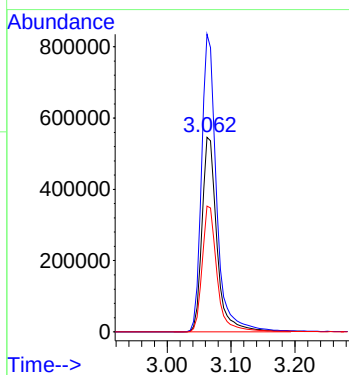
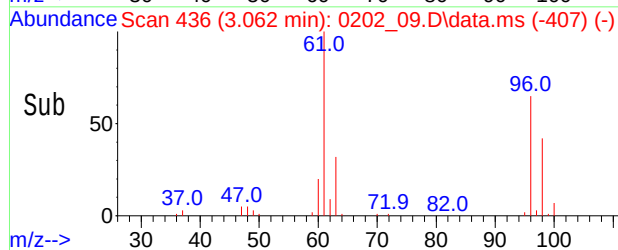
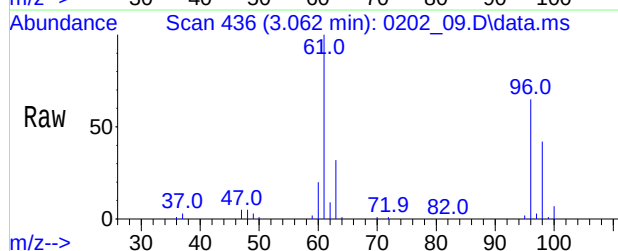
Tgt Ion: 63 Resp: 888090
 Ion Ratio Lower Upper
 63 100
 65 30.4 0.5 60.5
 83 11.7 0.0 41.9





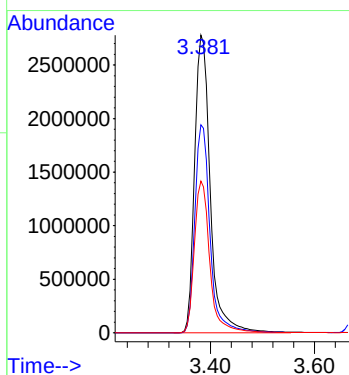
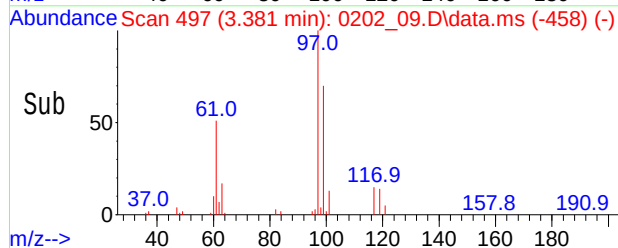
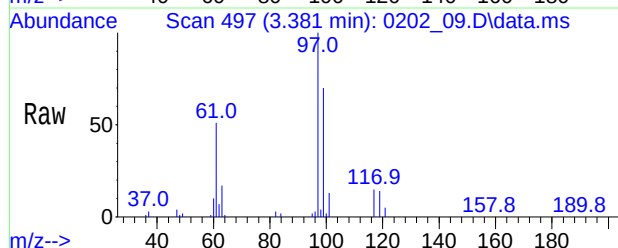
#23
Cis-1,2-Dichloroethene
Conc: 8\$ 50.644 ug/l
RT: 3.062 min Scan# 436
Delta R.T. -0.000 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

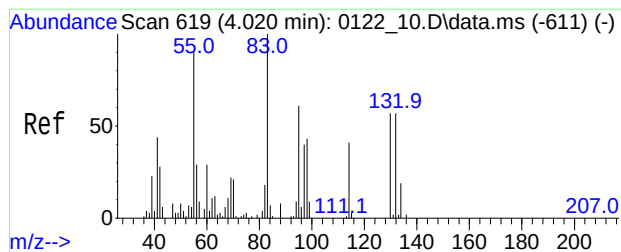
Tgt Ion: 96 Resp: 888316
Ion Ratio Lower Upper
96 100
61 153.2 128.7 188.7
98 64.2 30.1 90.1



#30
1,1,1-Trichloroethane
Conc: 8\$ 218.792 ug/l
RT: 3.381 min Scan# 497
Delta R.T. 0.005 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

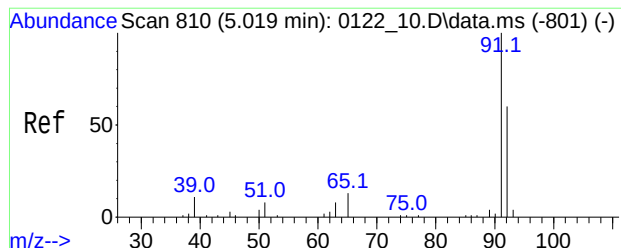
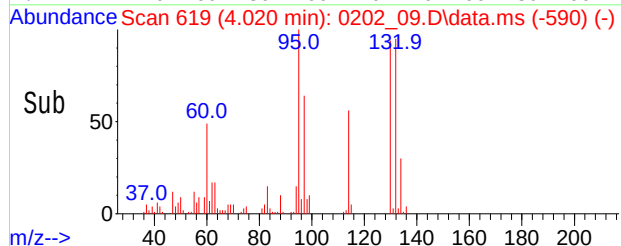
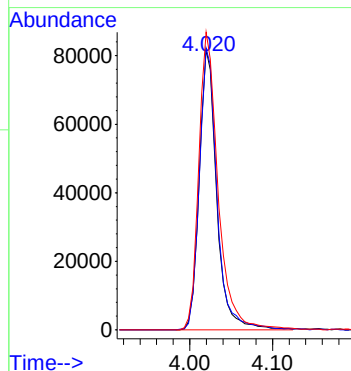
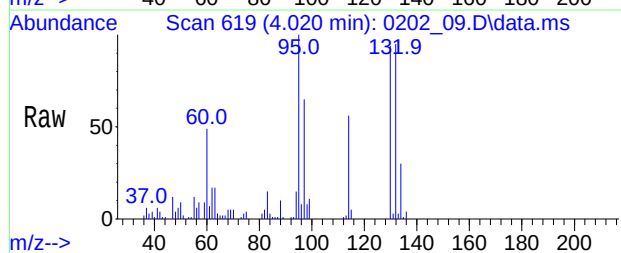
Tgt Ion: 97 Resp: 5822533
Ion Ratio Lower Upper
97 100
99 67.9 33.6 93.6
61 50.3 24.1 84.1





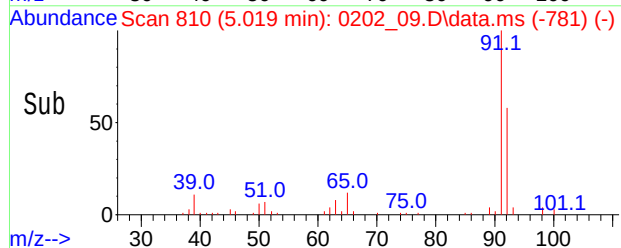
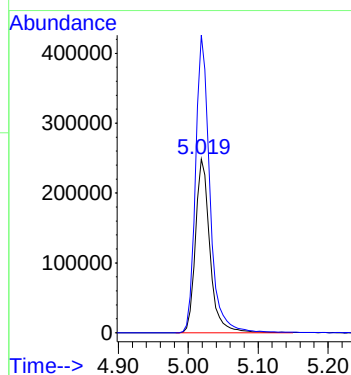
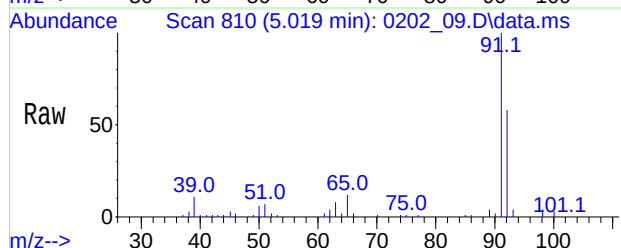
#39
Trichloroethene
Conc: 8\$ 6.278 ug/l
RT: 4.020 min Scan# 619
Delta R.T. -0.000 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

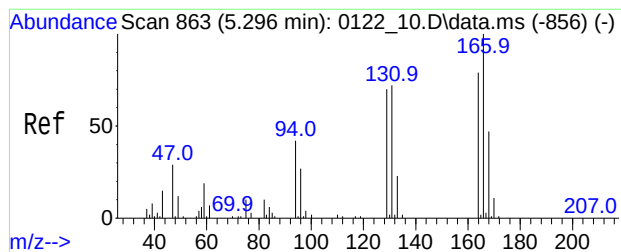
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	119469		
132	102.1	73.3	133.3	
95	117.9	92.1	152.1	



#44
Toluene
Conc: 8\$ 7.161 ug/l
RT: 5.019 min Scan# 810
Delta R.T. -0.000 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

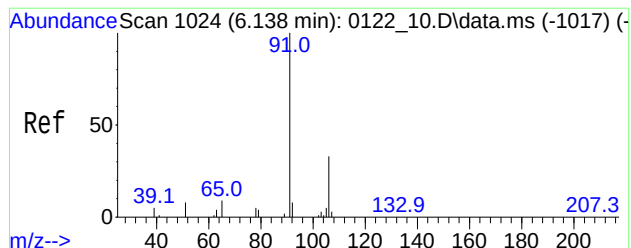
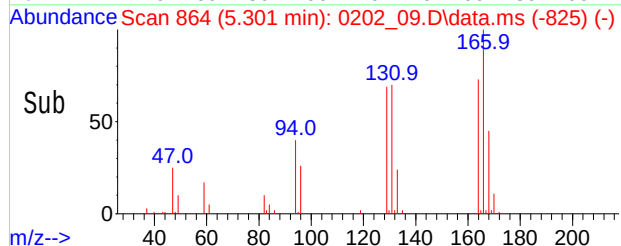
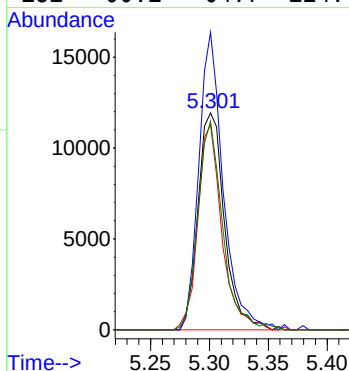
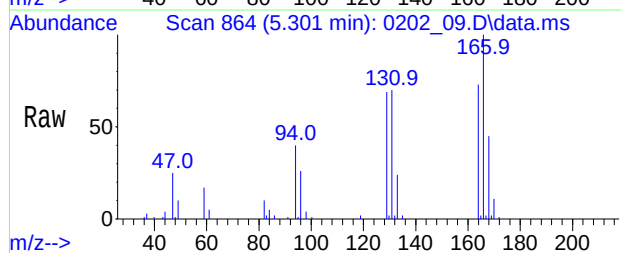
Tgt Ion	Ratio	Resp	Lower	Upper
92	100	356738		
91	169.4	138.1	198.1	





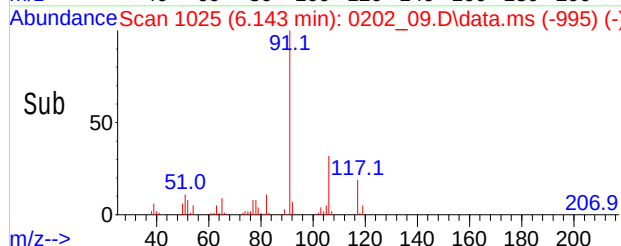
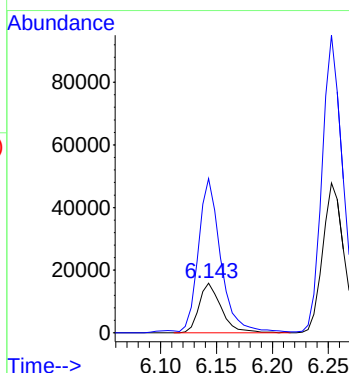
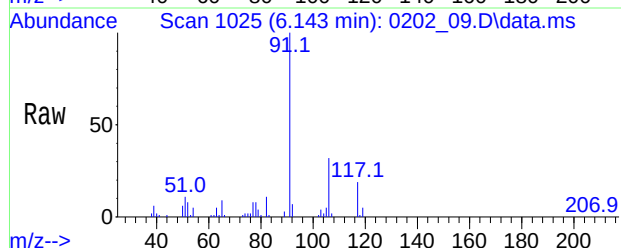
#47
Tetrachloroethene
Conc: 8\$ 1.079 ug/l
RT: 5.301 min Scan# 864
Delta R.T. 0.005 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

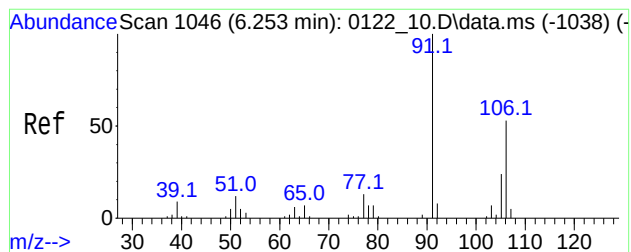
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18756		
166	126.1	96.2	156.2	
129	86.1	63.9	123.9	
131	90.1	64.7	124.7	



#56
Ethylbenzene
Conc: 8\$ 0.745 ug/l
RT: 6.143 min Scan# 1025
Delta R.T. 0.005 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

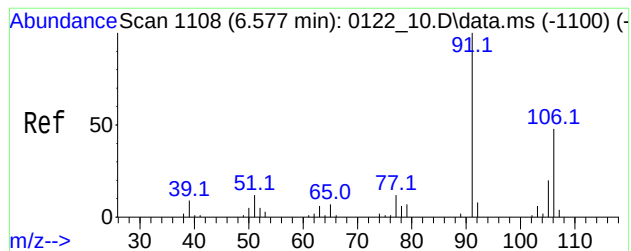
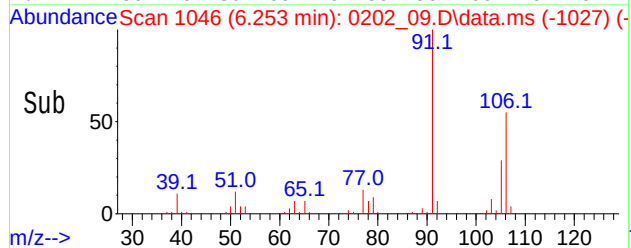
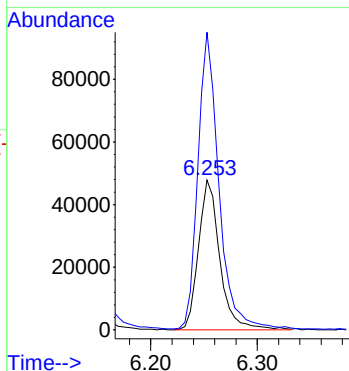
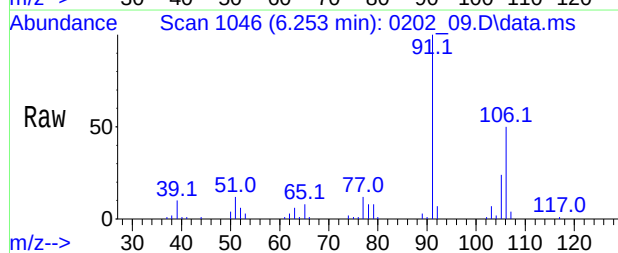
Tgt Ion	Ratio	Resp	Lower	Upper
106	100	21947		
91	309.8	278.2	338.2	





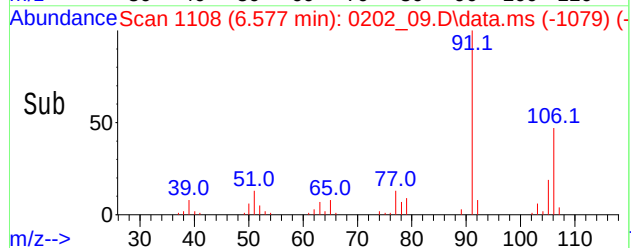
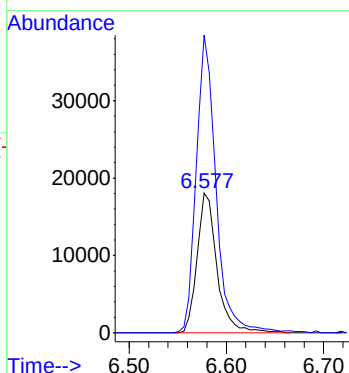
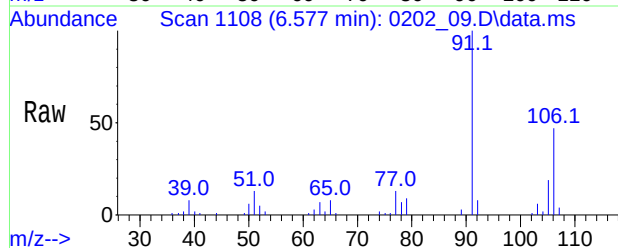
#58
m&p-Xylene
Conc: 8\$ 1.901 ug/l
RT: 6.253 min Scan# 1046
Delta R.T. -0.000 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

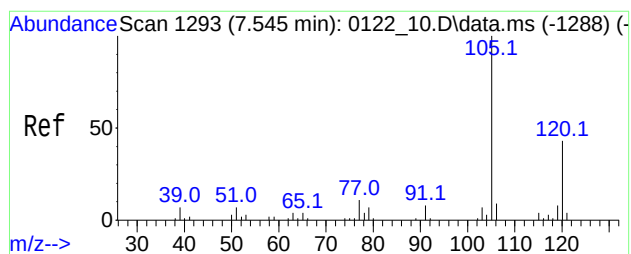
Tgt Ion:106 Resp: 66748
Ion Ratio Lower Upper
106 100
91 192.5 166.8 226.8



#59
o-Xylene
Conc: 8\$ 0.738 ug/l
RT: 6.577 min Scan# 1108
Delta R.T. -0.000 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

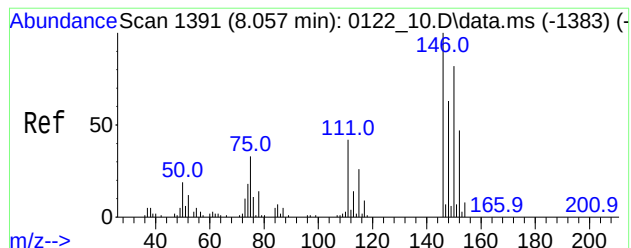
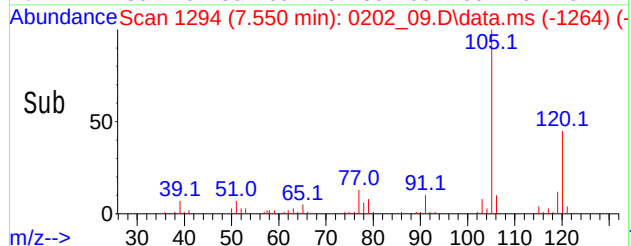
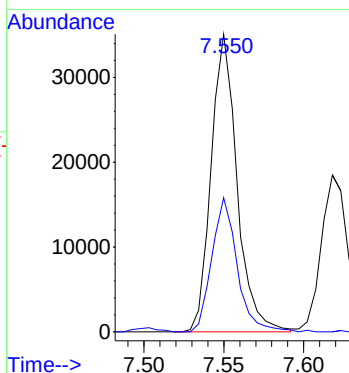
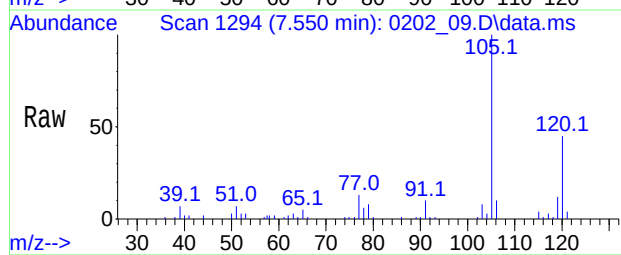
Tgt Ion:106 Resp: 25632
Ion Ratio Lower Upper
106 100
91 211.6 184.2 244.2





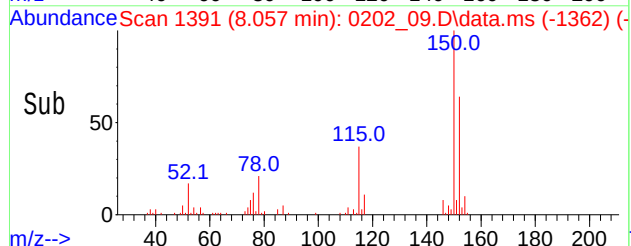
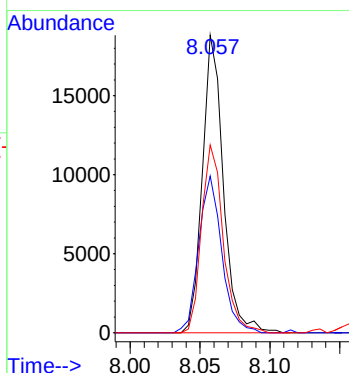
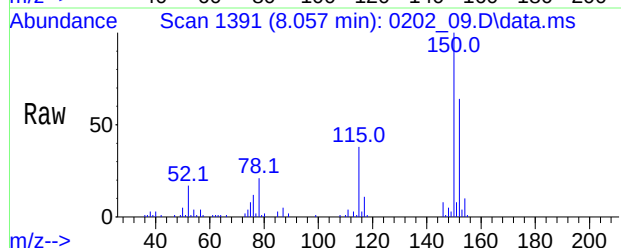
#75
1,2,4-Trimethylbenzene
Conc: 8\$ 0.521 ug/l
RT: 7.550 min Scan# 1294
Delta R.T. 0.005 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

Tgt Ion: 105 Resp: 39460
Ion Ratio Lower Upper
105 100
120 44.1 12.9 72.9



#83
1,2-Dichlorobenzene
Conc: 8\$ 0.663 ug/l
RT: 8.057 min Scan# 1391
Delta R.T. -0.000 min
Lab File: 0202_09.D
Acq: 2 Feb 2024 11:02 am

Tgt Ion: 146 Resp: 19571
Ion Ratio Lower Upper
146 100
111 57.9 15.2 75.2
148 65.3 33.6 93.6



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-12 50X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97096 50X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_08.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 50

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	50	U	13	50	
74-87-3	Chloromethane	250	U	13	250	
75-01-4	Vinyl Chloride	50	U	13	50	
74-83-9	Bromomethane	250	U	13	250	
75-00-3	Chloroethane	250	U	13	250	
75-69-4	Trichlorofluoromethane	50	U	13	50	
75-35-4	1,1-Dichloroethene	110	X	13	50	
76-13-1	Trichlorotrifluoroethane	50	U	13	50	
75-15-0	Carbon Disulfide	50	U	13	50	
107-02-8	Acrolein	250	U	130	250	
75-09-2	Methylene Chloride	150	U	50	150	
67-64-1	Acetone	250	U	130	250	
156-60-5	Trans-1,2-Dichloroethene	250	U	13	250	
1634-04-4	Methyl t-Butyl Ether (MTBE)	50	U	13	50	
75-34-3	1,1-Dichloroethane	130	JX	13	250	
107-13-1	Acrylonitrile	250	U	130	250	
156-59-2	Cis-1,2-Dichloroethene	290	D	13	50	r
594-20-7	2,2-Dichloropropane	50	U	13	50	
74-97-5	Bromochloromethane	50	U	13	50	
67-66-3	Chloroform	250	U	13	250	
56-23-5	Carbon Tetrachloride	50	U	13	50	
109-99-9	Tetrahydrofuran (THF)	250	U	130	250	
71-55-6	1,1,1-Trichloroethane	1600	E	13	250	
78-93-3	Methyl Ethyl Ketone	130	U	130	130	
563-58-6	1,1-Dichloropropene	50	U	13	50	
71-43-2	Benzene	35	U	13	35	
107-06-2	1,2-Dichloroethane	30	U	25	30	
79-01-6	Trichloroethene	31	JX	13	50	
74-95-3	Dibromomethane	50	U	13	50	
78-87-5	1,2-dichloropropane	50	U	13	50	
75-27-4	Bromodichloromethane	50	U	13	50	
10061-01-5	cis-1,3-Dichloropropene	20	U	13	20	
108-88-3	Toluene	36	JX	13	50	
108-10-1	4-Methyl-2-Pentanone	130	U	130	130	
127-18-4	Tetrachloroethene	50	U	13	50	
10061-02-6	trans-1,3-Dichloropropene	20	U	13	20	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-12 50X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97096 50X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_08.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 50

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	50	U	13	50	
124-48-1	Dibromochloromethane	50	U	13	50	
142-28-9	1,3-Dichloropropane	50	U	13	50	
106-93-4	1,2-Dibromoethane	50	U	13	50	
591-78-6	2-Hexanone	130	U	130	130	
108-90-7	Chlorobenzene	250	U	13	250	
100-41-4	Ethylbenzene	50	U	13	50	
630-20-6	1,1,1,2-Tetrachloroethane	50	U	13	50	
179601-23-1	m&p-Xylene	50	U	13	50	
95-47-6	o-Xylene	50	U	13	50	
100-42-5	Styrene	50	U	13	50	
75-25-2	Bromoform	250	U	13	250	
98-82-8	Isopropylbenzene	50	U	13	50	
108-86-1	Bromobenzene	50	U	13	50	
103-65-1	n-Propylbenzene	50	U	13	50	
79-34-5	1,1,2,2-Tetrachloroethane	50	U	13	50	
95-49-8	2-Chlorotoluene	50	U	13	50	
108-67-8	1,3,5-Trimethylbenzene	50	U	13	50	
96-18-4	1,2,3-Trichloropropane	50	U	13	50	
110-57-6	trans-1,4-Dichloro-2-butene	130	U	130	130	
106-43-4	4-Chlorotoluene	50	U	13	50	
98-06-6	tert-Butylbenzene	50	U	13	50	
95-63-6	1,2,4-Trimethylbenzene	50	U	13	50	
135-98-8	sec-Butylbenzene	50	U	13	50	
99-87-6	p-Isopropyltoluene	50	U	13	50	
541-73-1	1,3-Dichlorobenzene	50	U	13	50	
106-46-7	1,4-Dichlorobenzene	50	U	13	50	
527-84-4	2-Isopropyltoluene	50	U	13	50	
104-51-8	n-Butylbenzene	50	U	13	50	
95-50-1	1,2-Dichlorobenzene	50	U	13	50	
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	25	50	
87-68-3	Hexachlorobutadiene	25	U	10	25	
120-82-1	1,2,4-Trichlorobenzene	50	U	13	50	
91-20-3	Naphthalene	50	U	50	50	
87-61-6	1,2,3-Trichlorobenzene	50	U	13	50	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_08.D
 Acq On : 2 Feb 2024 10:37 am
 Operator :
 Client ID : MW-12 50X
 Lab ID : CP97096 50X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:56:40 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

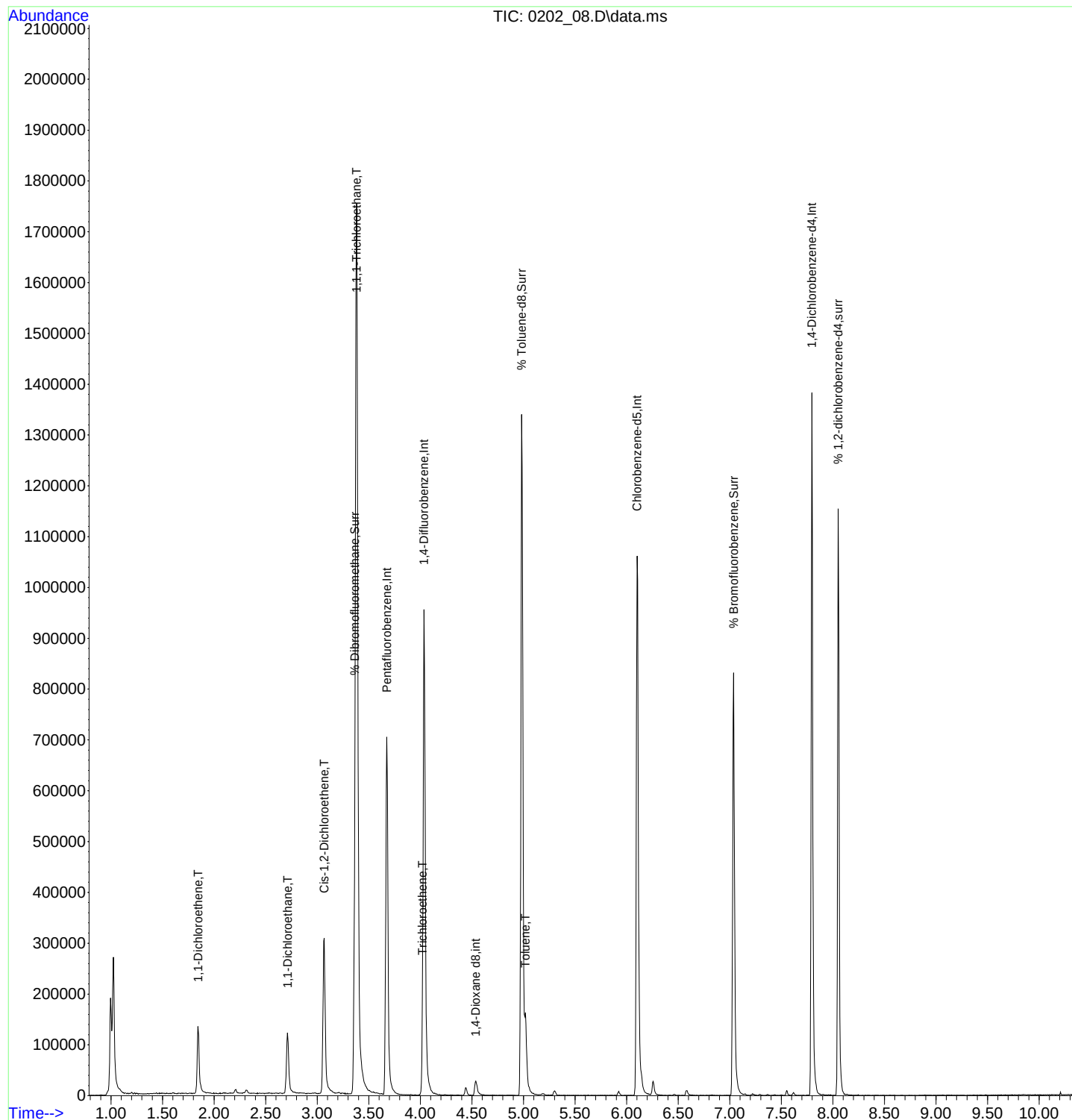
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	379184	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	586616	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	499926	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	250443	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	19156	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	25232	8.552	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	85.50%		
45) % Toluene-d8	4.982	98	701052	9.411	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.10%		
62) % Bromofluorobenzene	7.037	95	234352	9.556	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.60%		
64) % 1,2-dichlorobenzene-d4	8.052	152	195272	9.242	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.40%		
Target Compounds						
9) 1,1-Dichloroethene	1.844	96	35732	2.137	ug/l	92
19) 1,1-Dichloroethane	2.712	63	99291	2.611	ug/l	99
23) Cis-1,2-Dichloroethene	3.068	96	105575	5.729	ug/l	97
30) 1,1,1-Trichloroethane	3.381	97	916362	32.775	ug/l	97
39) Trichloroethene	4.019	130	12356	0.620	ug/l#	39
44) Toluene	5.018	92	37841	0.725	ug/l	98

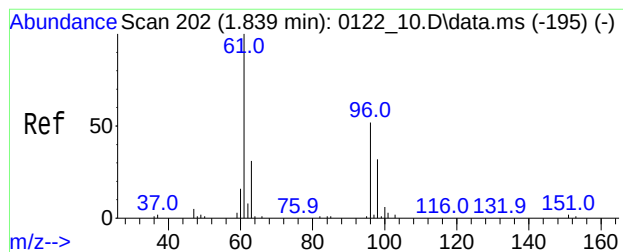
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_08.D
 Acq On : 2 Feb 2024 10:37 am
 Operator :
 Client ID : MW-12 50X
 Lab ID : CP97096 50X
 ALS Vial : 1 Sample Multiplier: 1

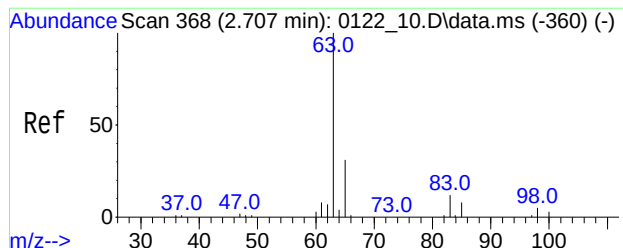
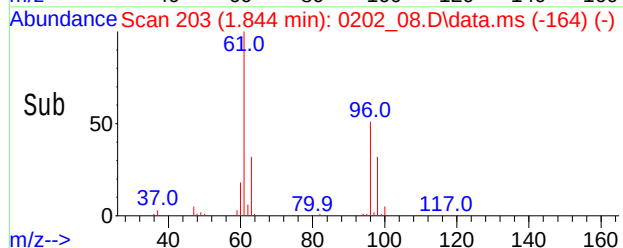
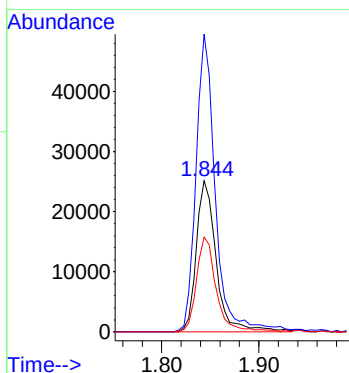
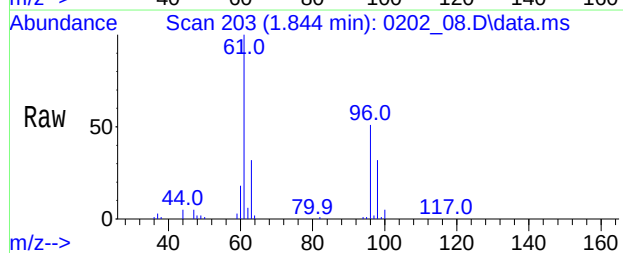
Quant Time: Feb 05 15:56:40 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration





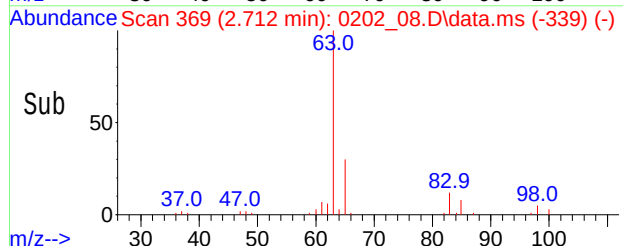
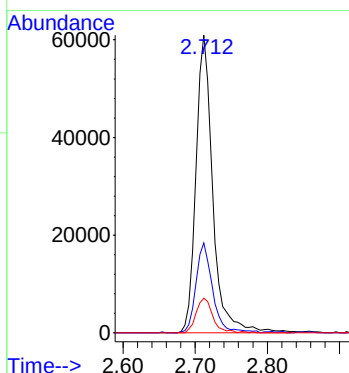
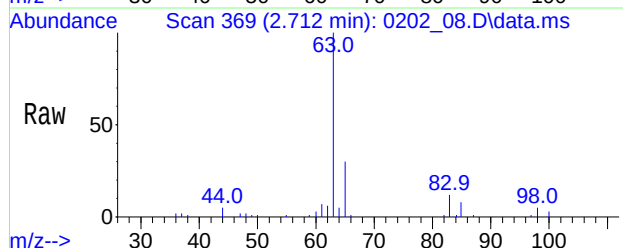
#9
1,1-Dichloroethene
Conc: 8\$ 2.137 ug/l
RT: 1.844 min Scan# 203
Delta R.T. 0.005 min
Lab File: 0202_08.D
Acq: 2 Feb 2024 10:37 am

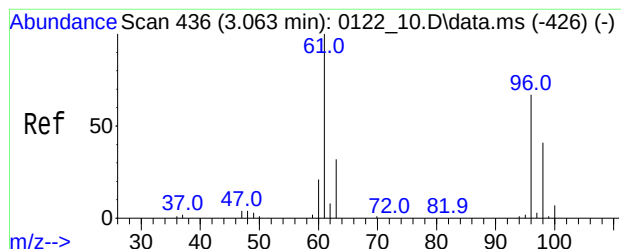
Tgt Ion: 96 Resp: 35732
Ion Ratio Lower Upper
96 100
61 191.5 177.1 237.1
98 61.8 33.1 93.1



#19
1,1-Dichloroethane
Conc: 8\$ 2.611 ug/l
RT: 2.712 min Scan# 369
Delta R.T. 0.005 min
Lab File: 0202_08.D
Acq: 2 Feb 2024 10:37 am

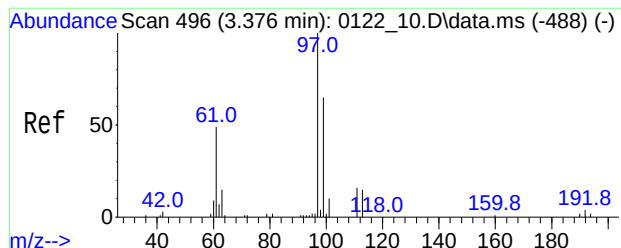
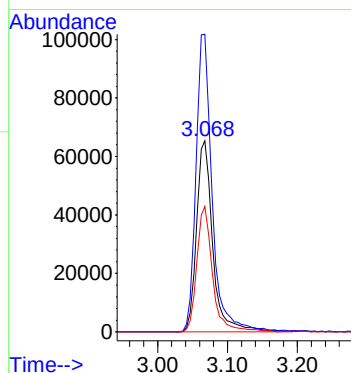
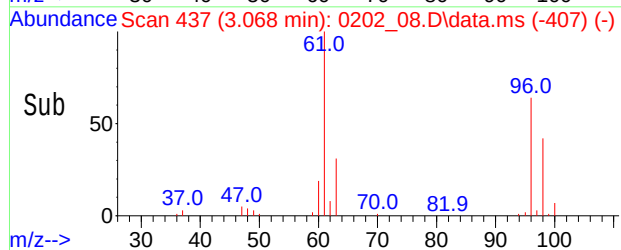
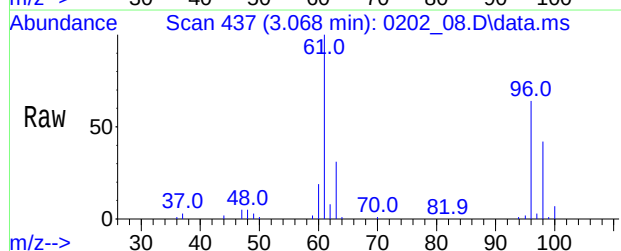
Tgt Ion: 63 Resp: 99291
Ion Ratio Lower Upper
63 100
65 30.2 0.5 60.5
83 11.6 0.0 41.9





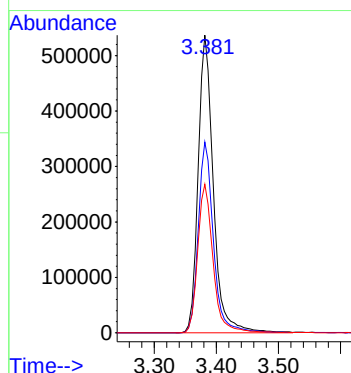
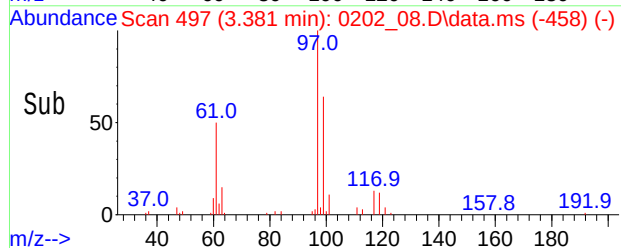
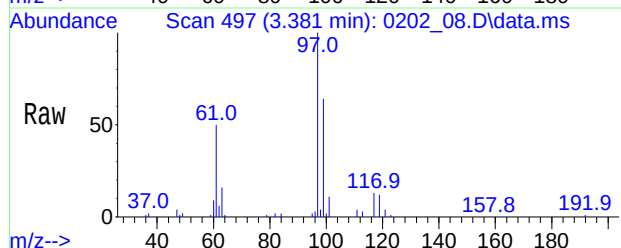
#23
Cis-1,2-Dichloroethene
Conc: 8\$ 5.729 ug/l
RT: 3.068 min Scan# 437
Delta R.T. 0.005 min
Lab File: 0202_08.D
Acq: 2 Feb 2024 10:37 am

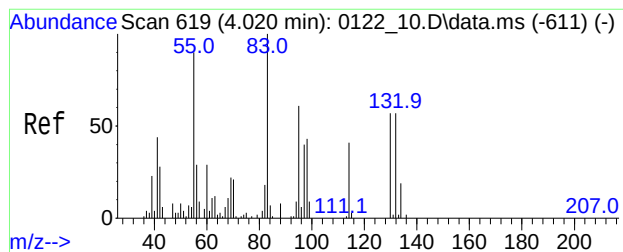
Tgt Ion: 96 Resp: 105575
Ion Ratio Lower Upper
96 100
61 155.1 128.7 188.7
98 63.6 30.1 90.1



#30
1,1,1-Trichloroethane
Conc: 8\$ 32.775 ug/l
RT: 3.381 min Scan# 497
Delta R.T. 0.005 min
Lab File: 0202_08.D
Acq: 2 Feb 2024 10:37 am

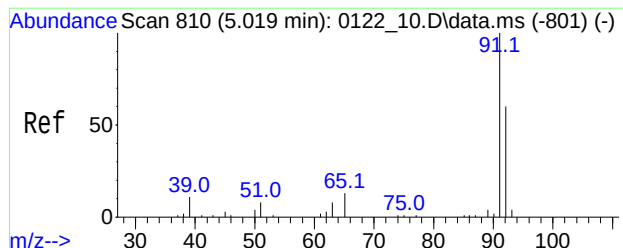
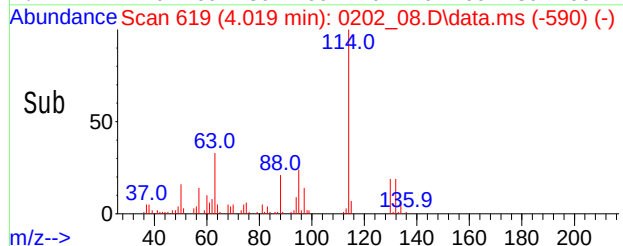
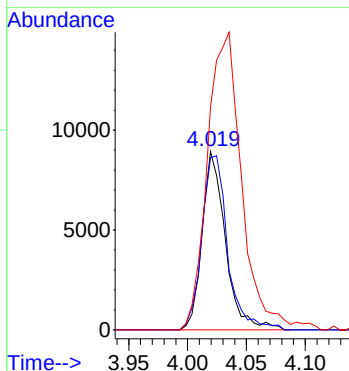
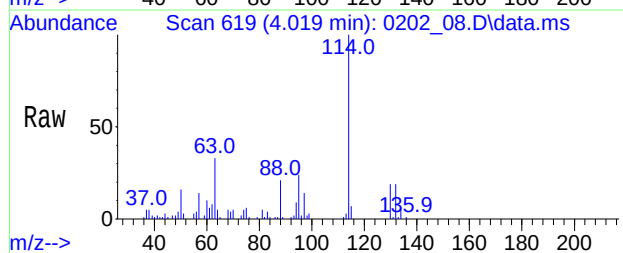
Tgt Ion: 97 Resp: 916362
Ion Ratio Lower Upper
97 100
99 64.1 33.6 93.6
61 50.7 24.1 84.1





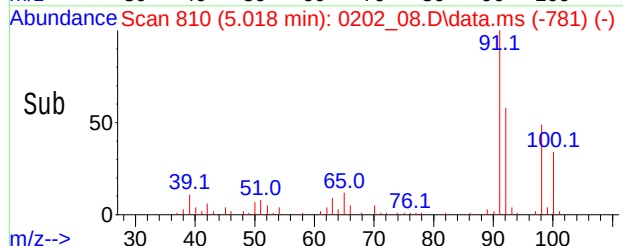
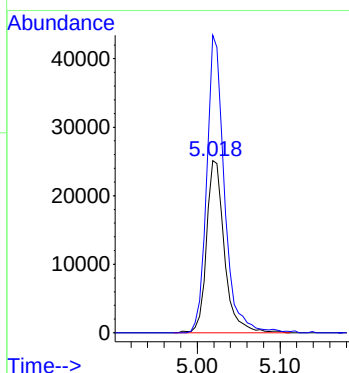
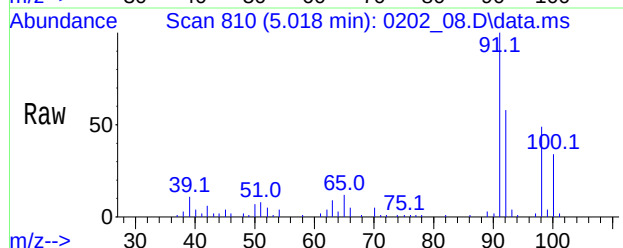
#39
Trichloroethene
Conc: 8\$ 0.620 ug/l
RT: 4.019 min Scan# 619
Delta R.T. -0.000 min
Lab File: 0202_08.D
Acq: 2 Feb 2024 10:37 am

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	12356		
132	107.1	73.3	133.3	
95	244.9	92.1	152.1#	



#44
Toluene
Conc: 8\$ 0.725 ug/l
RT: 5.018 min Scan# 810
Delta R.T. -0.000 min
Lab File: 0202_08.D
Acq: 2 Feb 2024 10:37 am

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	37841		
91	170.6	138.1	198.1	



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-12 100X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97096 100X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_13.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 100

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	100	U	25	100	
74-87-3	Chloromethane	500	U	25	500	
75-01-4	Vinyl Chloride	100	U	25	100	
74-83-9	Bromomethane	500	U	25	500	
75-00-3	Chloroethane	500	U	25	500	
75-69-4	Trichlorofluoromethane	100	U	25	100	
75-35-4	1,1-Dichloroethene	94	JX	25	100	
76-13-1	Trichlorotrifluoroethane	100	U	25	100	
75-15-0	Carbon Disulfide	100	U	25	100	
107-02-8	Acrolein	500	U	250	500	
75-09-2	Methylene Chloride	300	U	100	300	
67-64-1	Acetone	500	U	250	500	
156-60-5	Trans-1,2-Dichloroethene	500	U	25	500	
1634-04-4	Methyl t-Butyl Ether (MTBE)	100	U	25	100	
75-34-3	1,1-Dichloroethane	130	JX	25	500	
107-13-1	Acrylonitrile	500	U	250	500	
156-59-2	Cis-1,2-Dichloroethene	300	X	25	100	
594-20-7	2,2-Dichloropropane	100	U	25	100	
74-97-5	Bromochloromethane	100	U	25	100	
67-66-3	Chloroform	500	U	25	500	
56-23-5	Carbon Tetrachloride	100	U	25	100	
109-99-9	Tetrahydrofuran (THF)	500	U	250	500	
71-55-6	1,1,1-Trichloroethane	1700	D	25	500	r
78-93-3	Methyl Ethyl Ketone	250	U	250	250	
563-58-6	1,1-Dichloropropene	100	U	25	100	
71-43-2	Benzene	70	U	25	70	
107-06-2	1,2-Dichloroethane	60	U	50	60	
79-01-6	Trichloroethene	29	JX	25	100	
74-95-3	Dibromomethane	100	U	25	100	
78-87-5	1,2-dichloropropane	100	U	25	100	
75-27-4	Bromodichloromethane	100	U	25	100	
10061-01-5	cis-1,3-Dichloropropene	40	U	25	40	
108-88-3	Toluene	35	JX	25	100	
108-10-1	4-Methyl-2-Pentanone	250	U	250	250	
127-18-4	Tetrachloroethene	100	U	25	100	
10061-02-6	trans-1,3-Dichloropropene	40	U	25	40	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-12 100X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97096 100X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_13.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 100

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	100	U	25	100	
124-48-1	Dibromochloromethane	100	U	25	100	
142-28-9	1,3-Dichloropropane	100	U	25	100	
106-93-4	1,2-Dibromoethane	100	U	25	100	
591-78-6	2-Hexanone	250	U	250	250	
108-90-7	Chlorobenzene	500	U	25	500	
100-41-4	Ethylbenzene	100	U	25	100	
630-20-6	1,1,1,2-Tetrachloroethane	100	U	25	100	
179601-23-1	m&p-Xylene	100	U	25	100	
95-47-6	o-Xylene	100	U	25	100	
100-42-5	Styrene	100	U	25	100	
75-25-2	Bromoform	500	U	25	500	
98-82-8	Isopropylbenzene	100	U	25	100	
108-86-1	Bromobenzene	100	U	25	100	
103-65-1	n-Propylbenzene	100	U	25	100	
79-34-5	1,1,2,2-Tetrachloroethane	100	U	25	100	
95-49-8	2-Chlorotoluene	100	U	25	100	
108-67-8	1,3,5-Trimethylbenzene	100	U	25	100	
96-18-4	1,2,3-Trichloropropane	100	U	25	100	
110-57-6	trans-1,4-Dichloro-2-butene	250	U	250	250	
106-43-4	4-Chlorotoluene	100	U	25	100	
98-06-6	tert-Butylbenzene	100	U	25	100	
95-63-6	1,2,4-Trimethylbenzene	100	U	25	100	
135-98-8	sec-Butylbenzene	100	U	25	100	
99-87-6	p-Isopropyltoluene	100	U	25	100	
541-73-1	1,3-Dichlorobenzene	100	U	25	100	
106-46-7	1,4-Dichlorobenzene	100	U	25	100	
527-84-4	2-Isopropyltoluene	100	U	25	100	
104-51-8	n-Butylbenzene	100	U	25	100	
95-50-1	1,2-Dichlorobenzene	100	U	25	100	
96-12-8	1,2-Dibromo-3-Chloropropane	100	U	50	100	
87-68-3	Hexachlorobutadiene	50	U	20	50	
120-82-1	1,2,4-Trichlorobenzene	100	U	25	100	
91-20-3	Naphthalene	100	U	100	100	
87-61-6	1,2,3-Trichlorobenzene	100	U	25	100	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_13.D
 Acq On : 5 Feb 2024 11:50 am
 Operator :
 Client ID : MW-12 100X
 Lab ID : CP97096 100X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 14:21:48 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

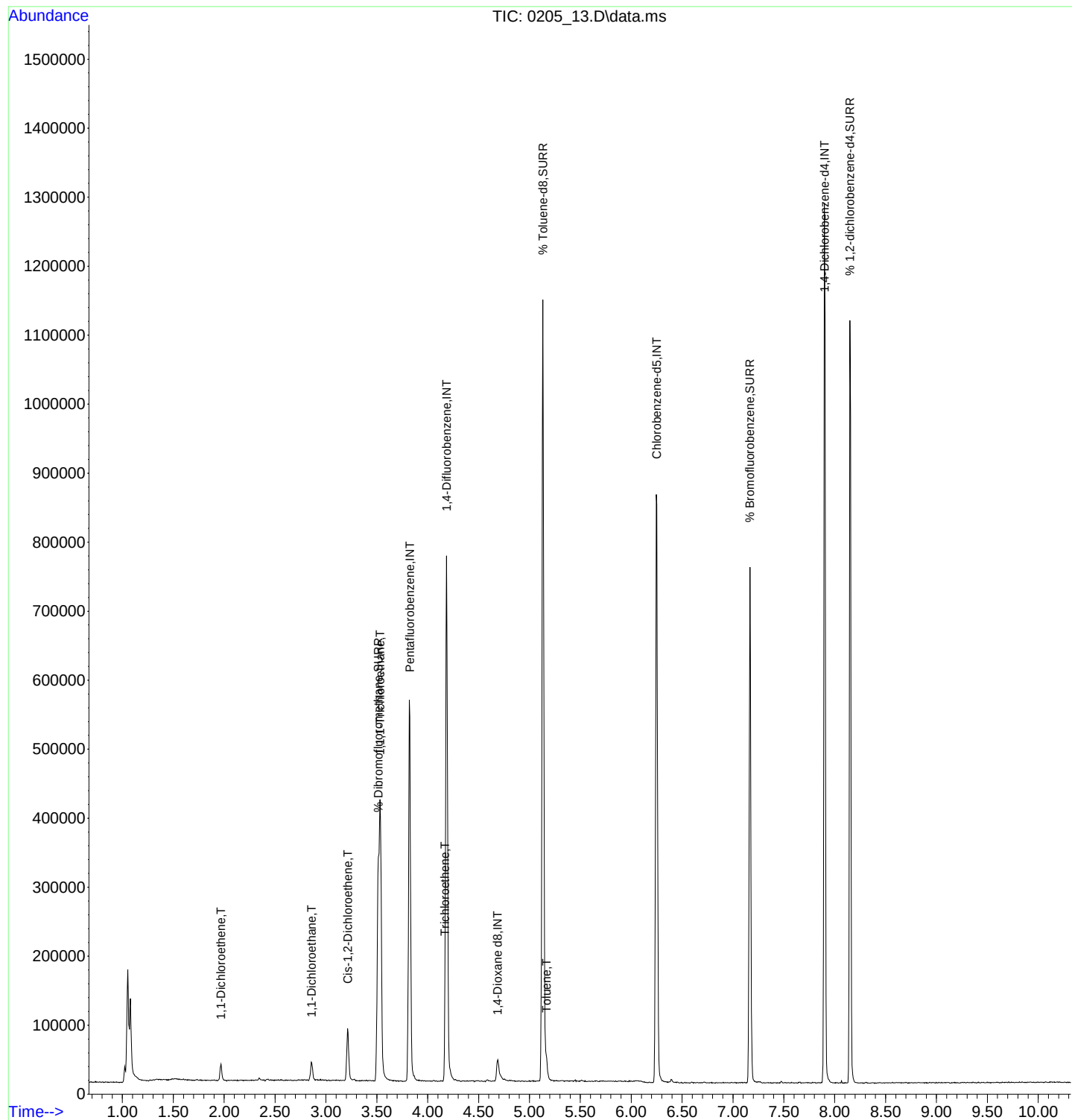
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	266902	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	435757	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	359309	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	203970	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	25251	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	21933	10.449	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.50%		
45) % Toluene-d8	5.132	98	533368	9.970	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.70%		
62) % Bromofluorobenzene	7.166	95	176571	9.705	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.10%		
64) % 1,2-dichlorobenzene-d4	8.150	152	171492	10.106	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.10%		
Target Compounds						
9) 1,1-Dichloroethene	1.968	96	5784	0.945	ug/l	96
19) 1,1-Dichloroethane	2.857	63	19533	1.318	ug/l	96
23) Cis-1,2-Dichloroethene	3.212	96	23282	3.036	ug/l	96
30) 1,1,1-Trichloroethane	3.531	97	186684	17.258	ug/l	97
39) Trichloroethene	4.170	130	2246	0.294	ug/l#	1
44) Toluene	5.169	92	6398	0.346	ug/l	100

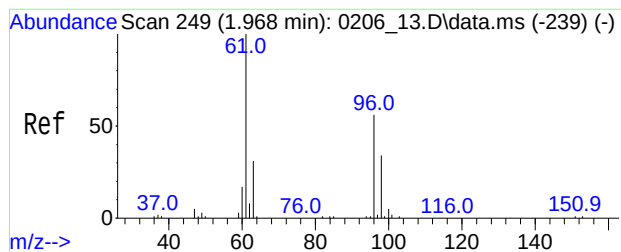
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_13.D
 Acq On : 5 Feb 2024 11:50 am
 Operator :
 Client ID : MW-12 100X
 Lab ID : CP97096 100X
 ALS Vial : 1 Sample Multiplier: 1

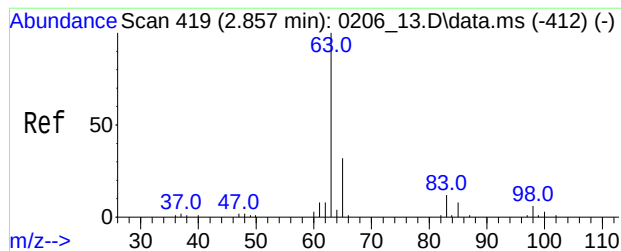
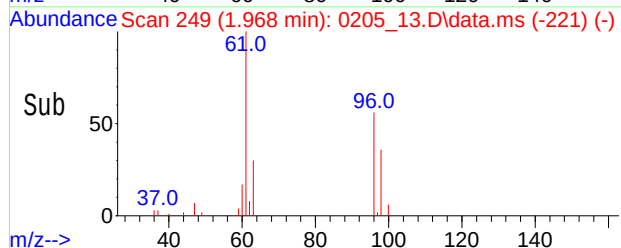
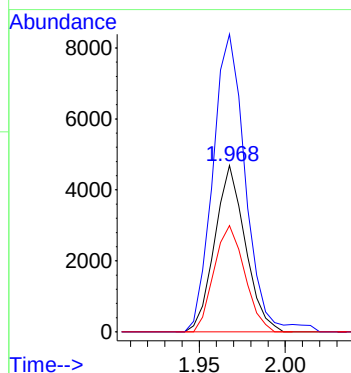
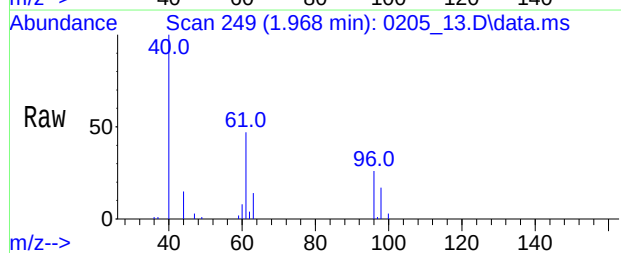
Quant Time: Feb 06 14:21:48 2024
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 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration





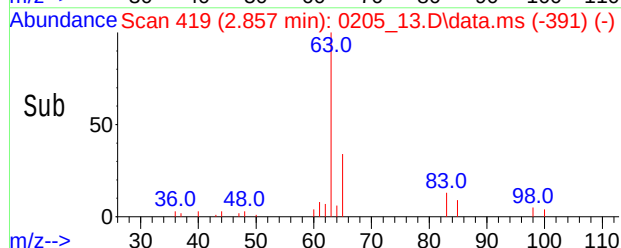
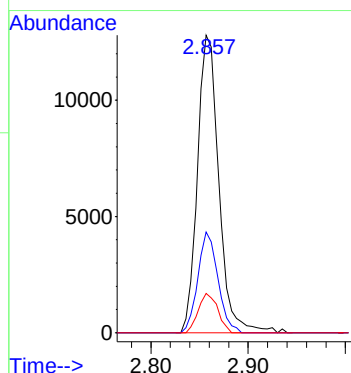
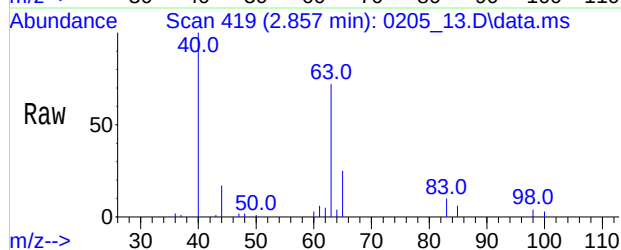
#9
1,1-Dichloroethene
Conc: 8\$ 0.945 ug/l
RT: 1.968 min Scan# 249
Delta R.T. -0.005 min
Lab File: 0205_13.D
Acq: 5 Feb 2024 11:50 am

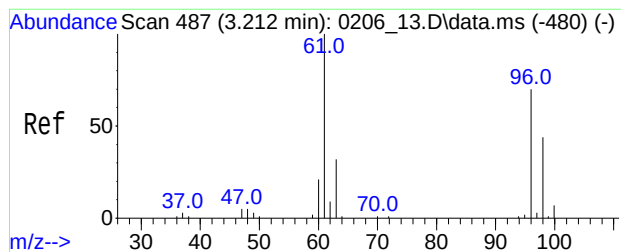
Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.7	152.5	212.5
98	63.8	33.5	93.5



#19
1,1-Dichloroethane
Conc: 8\$ 1.318 ug/l
RT: 2.857 min Scan# 419
Delta R.T. -0.005 min
Lab File: 0205_13.D
Acq: 5 Feb 2024 11:50 am

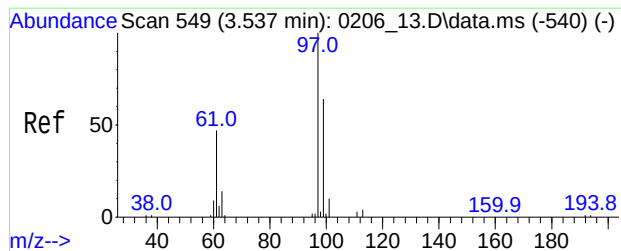
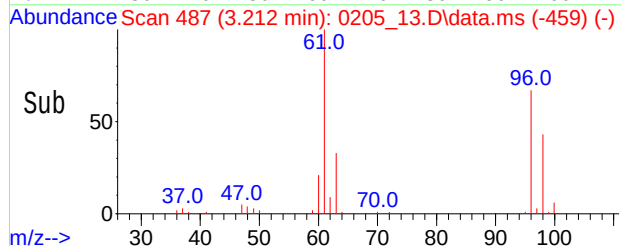
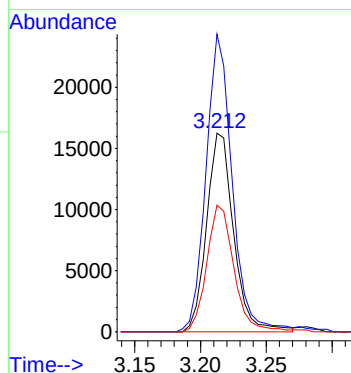
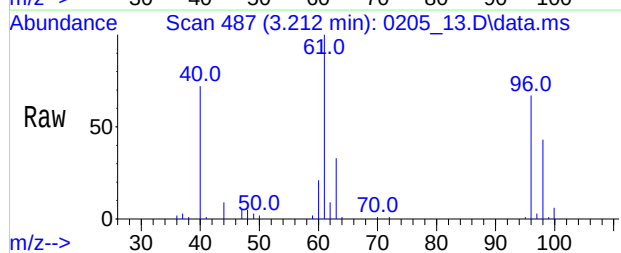
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.9	1.1	61.1
83	13.2	0.0	42.8





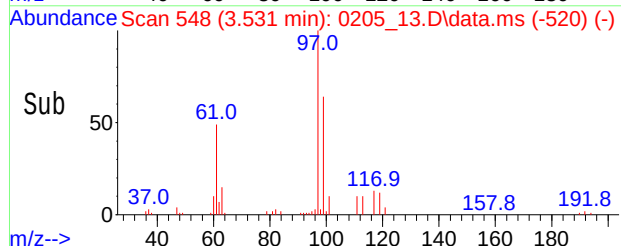
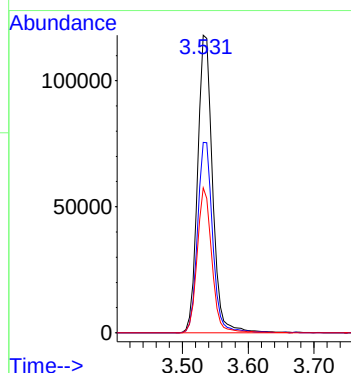
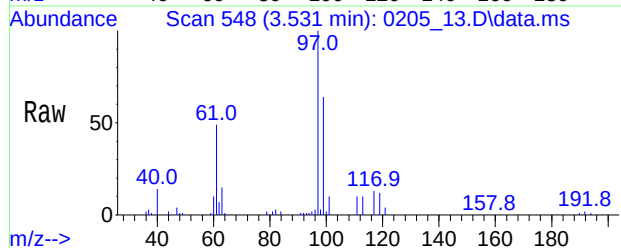
#23
Cis-1,2-Dichloroethene
Conc: 8\$ 3.036 ug/l
RT: 3.212 min Scan# 487
Delta R.T. -0.005 min
Lab File: 0205_13.D
Acq: 5 Feb 2024 11:50 am

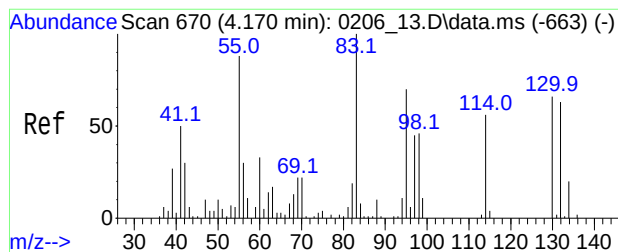
Tgt Ion: 96 Resp: 23282
Ion Ratio Lower Upper
96 100
61 146.6 109.2 169.2
98 64.3 34.1 94.1



#30
1,1,1-Trichloroethane
Conc: 8\$ 17.258 ug/l
RT: 3.531 min Scan# 548
Delta R.T. -0.005 min
Lab File: 0205_13.D
Acq: 5 Feb 2024 11:50 am

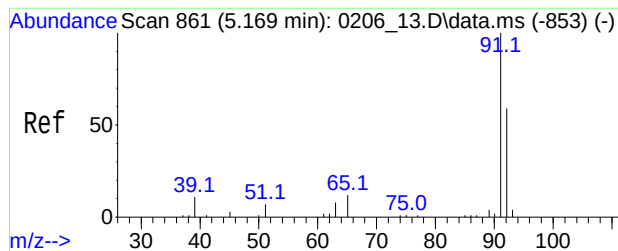
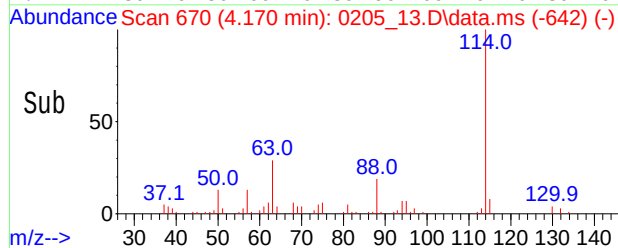
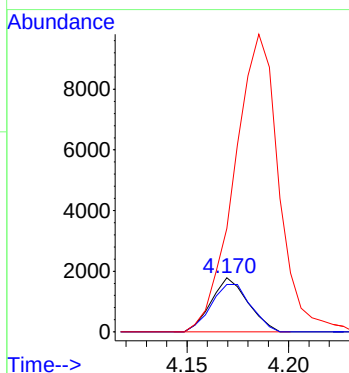
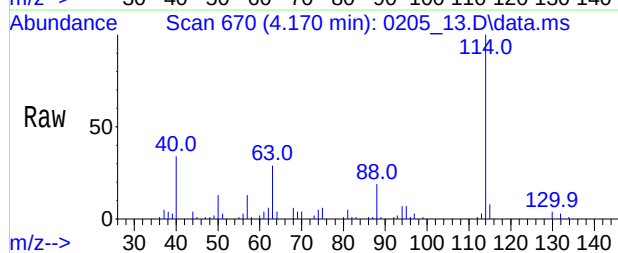
Tgt Ion: 97 Resp: 186684
Ion Ratio Lower Upper
97 100
99 64.5 33.6 93.6
61 47.6 13.8 73.8





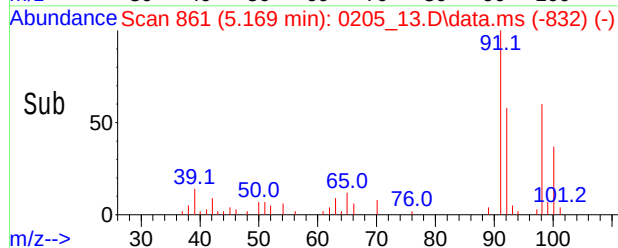
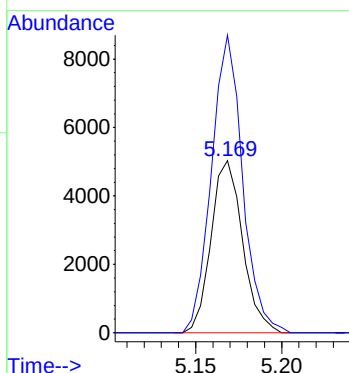
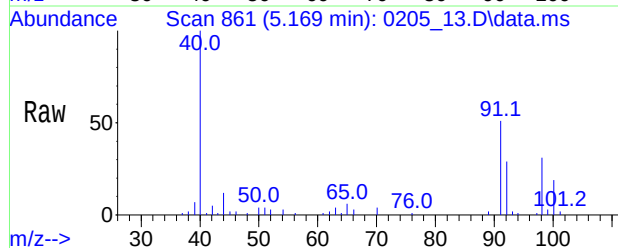
#39
Trichloroethene
Conc: 8\$ 0.294 ug/l
RT: 4.170 min Scan# 670
Delta R.T. -0.005 min
Lab File: 0205_13.D
Acq: 5 Feb 2024 11:50 am

Tgt Ion	Ratio	Lower	Upper
130	100		
132	94.9	65.5	125.5
95	671.7	79.3	139.3#



#44
Toluene
Conc: 8\$ 0.346 ug/l
RT: 5.169 min Scan# 861
Delta R.T. -0.000 min
Lab File: 0205_13.D
Acq: 5 Feb 2024 11:50 am

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.4	140.1	200.1



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-3I

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97097

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_34.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	0.99	J	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	0.44	J	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	1.2		0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-3I

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97097

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_34.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	0.25	U	0.25	0.25	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	0.25	U	0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.50	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_34.D
 Acq On : 5 Feb 2024 8:22 pm
 Operator :
 Client ID : MW-3I
 Lab ID : CP97097
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 14:38:39 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

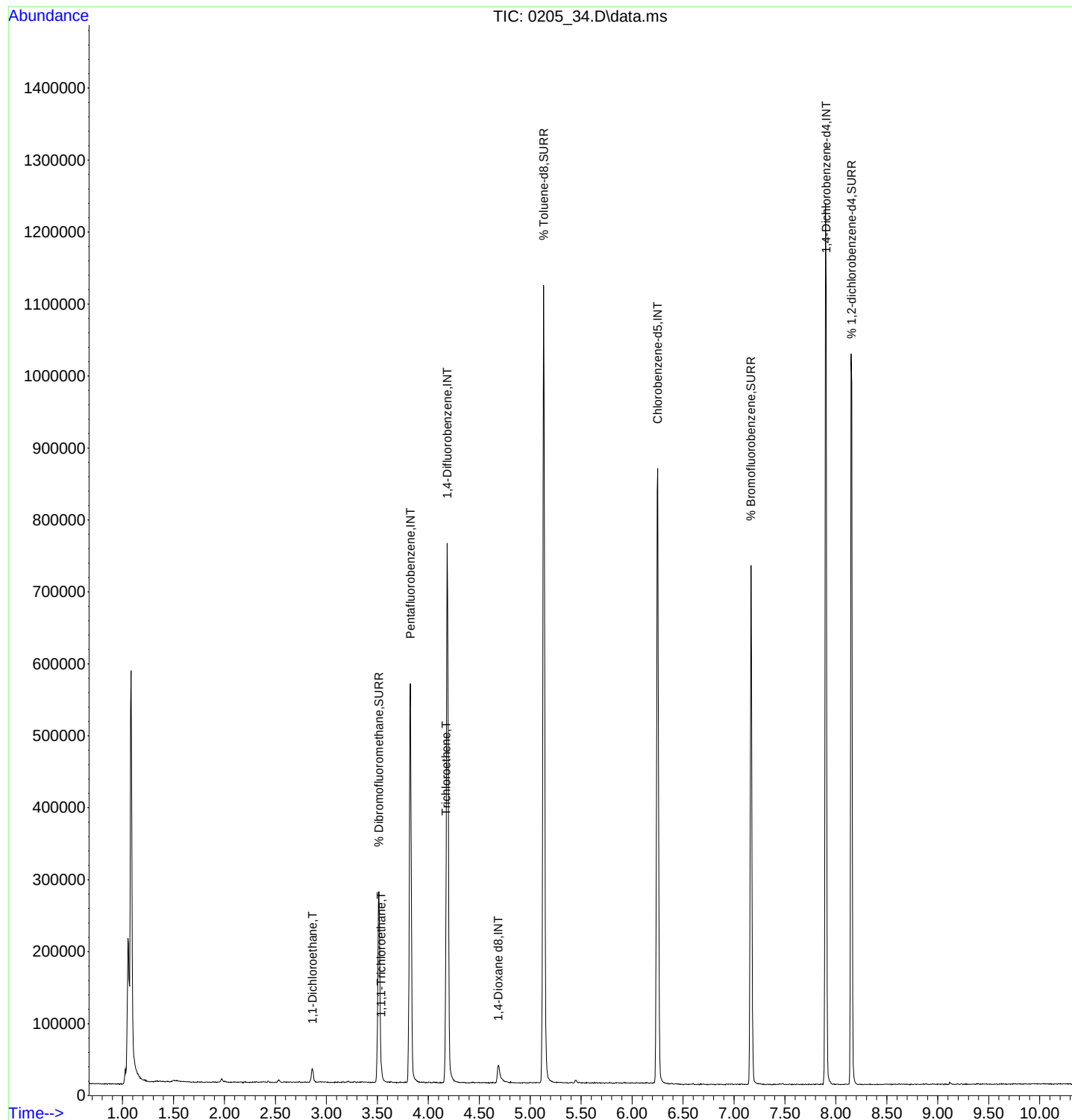
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	259405	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	422279	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	355692	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	197061	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	19875	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	20167	9.885	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.80%		
45) % Toluene-d8	5.132	98	518920	10.010	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.10%		
62) % Bromofluorobenzene	7.166	95	168395	9.350	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.50%		
64) % 1,2-dichlorobenzene-d4	8.155	152	164821	10.053	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.50%		
Target Compounds						
19) 1,1-Dichloroethane	2.862	63	14292	0.993	ug/l	98
30) 1,1,1-Trichloroethane	3.537	97	4636	0.441	ug/l	97
39) Trichloroethene	4.175	130	9103	1.230	ug/l#	35

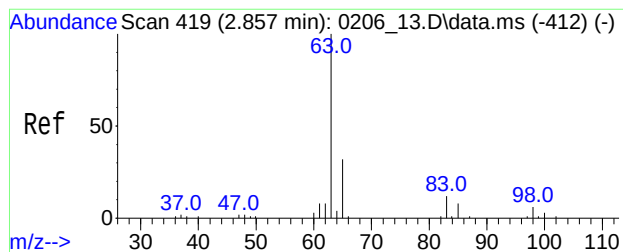
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_34.D
 Acq On : 5 Feb 2024 8:22 pm
 Operator :
 Client ID : MW-3I
 Lab ID : CP97097
 ALS Vial : 1 Sample Multiplier: 1

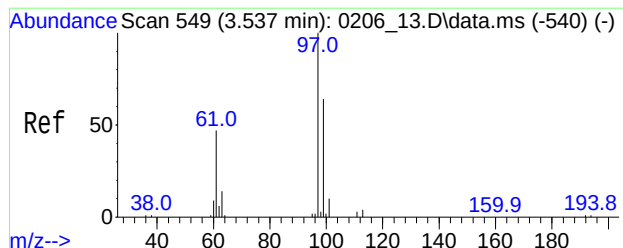
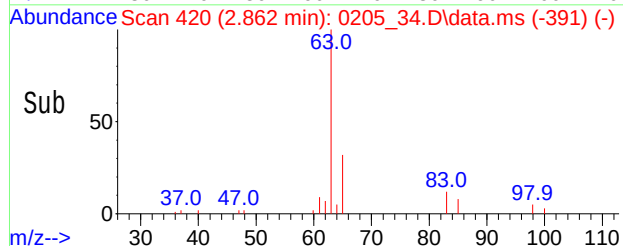
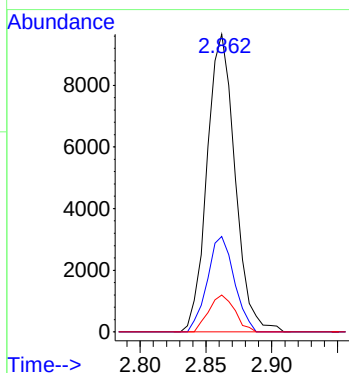
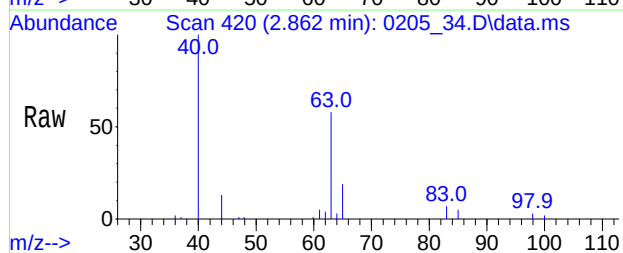
Quant Time: Feb 06 14:38:39 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration





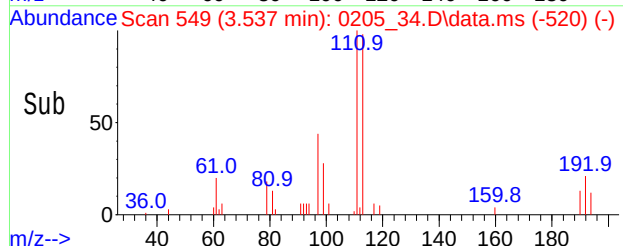
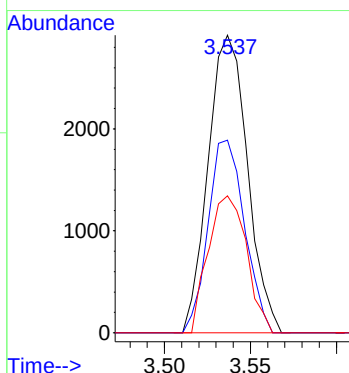
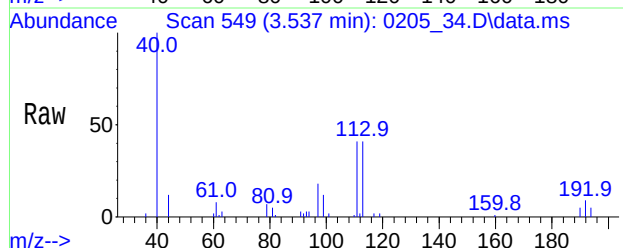
#19
1,1-Dichloroethane
Conc: 8\$ 0.993 ug/l
RT: 2.862 min Scan# 420
Delta R.T. -0.000 min
Lab File: 0205_34.D
Acq: 5 Feb 2024 8:22 pm

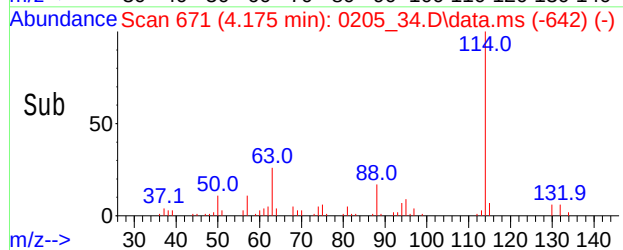
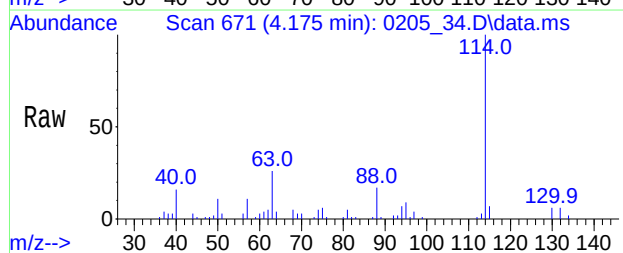
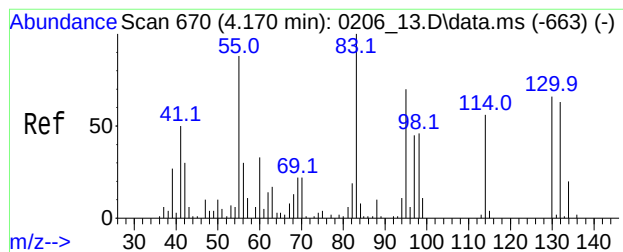
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	14292		
65	32.1	1.1	61.1	
83	12.3	0.0	42.8	



#30
1,1,1-Trichloroethane
Conc: 8\$ 0.441 ug/l
RT: 3.537 min Scan# 549
Delta R.T. -0.000 min
Lab File: 0205_34.D
Acq: 5 Feb 2024 8:22 pm

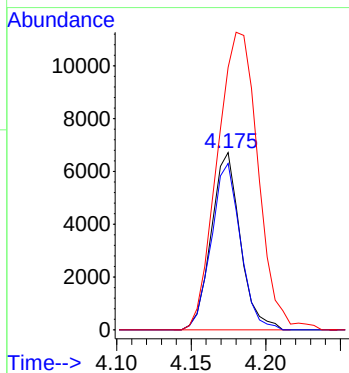
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	4636		
99	60.0	33.6	93.6	
61	44.9	13.8	73.8	





#39
 Trichloroethene
 Conc: 8\$ 1.230 ug/l
 RT: 4.175 min Scan# 671
 Delta R.T. -0.000 min
 Lab File: 0205_34.D
 Acq: 5 Feb 2024 8:22 pm

Tgt Ion	Ratio	Lower	Upper
130	100		
132	94.3	65.5	125.5
95	236.7	79.3	139.3#



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-XX 5X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97098 5X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_12.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 5

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	5.0	U	1.3	5.0	r
74-87-3	Chloromethane	5.0	U	1.3	5.0	r
75-01-4	Vinyl Chloride	2.0	U	1.3	2.0	r
74-83-9	Bromomethane	5.0	U	1.3	5.0	r
75-00-3	Chloroethane	5.0	U	1.3	5.0	r
75-69-4	Trichlorofluoromethane	5.0	U	1.3	5.0	r
75-35-4	1,1-Dichloroethene	99		1.3	5.0	r
76-13-1	Trichlorotrifluoroethane	5.5		1.3	5.0	r
75-15-0	Carbon Disulfide	5.0	U	1.3	5.0	r
107-02-8	Acrolein	13	U	13	13	r
75-09-2	Methylene Chloride	5.0	U	5.0	5.0	r
67-64-1	Acetone	25	U	13	25	r
156-60-5	Trans-1,2-Dichloroethene	4.8	J	1.3	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	5.0	U	1.3	5.0	r
75-34-3	1,1-Dichloroethane	120		1.3	25	r
107-13-1	Acrylonitrile	5.0	U	5.0	5.0	r
156-59-2	Cis-1,2-Dichloroethene	250	E	1.3	5.0	
594-20-7	2,2-Dichloropropane	5.0	U	1.3	5.0	r
74-97-5	Bromochloromethane	5.0	U	1.3	5.0	r
67-66-3	Chloroform	7.0	U	1.3	7.0	r
56-23-5	Carbon Tetrachloride	5.0	U	1.3	5.0	r
109-99-9	Tetrahydrofuran (THF)	25	U	13	25	r
71-55-6	1,1,1-Trichloroethane	1100	E	1.3	25	
78-93-3	Methyl Ethyl Ketone	13	U	13	13	r
563-58-6	1,1-Dichloropropene	5.0	U	1.3	5.0	r
71-43-2	Benzene	1.3	U	1.3	1.3	r
107-06-2	1,2-Dichloroethane	2.5	U	2.5	2.5	r
79-01-6	Trichloroethene	31		1.3	5.0	r
74-95-3	Dibromomethane	5.0	U	1.3	5.0	r
78-87-5	1,2-dichloropropane	1.3	U	1.3	1.3	r
75-27-4	Bromodichloromethane	5.0	U	1.3	5.0	r
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	1.3	r
108-88-3	Toluene	36		1.3	5.0	r
108-10-1	4-Methyl-2-Pentanone	13	U	13	13	r
127-18-4	Tetrachloroethene	5.2		1.3	5.0	r
10061-02-6	trans-1,3-Dichloropropene	1.3	U	1.3	1.3	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-XX 5X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97098 5X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_12.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 5

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	1.3	r
124-48-1	Dibromochloromethane	5.0	U	1.3	5.0	r
142-28-9	1,3-Dichloropropane	5.0	U	1.3	5.0	r
106-93-4	1,2-Dibromoethane	1.3	U	1.3	1.3	r
591-78-6	2-Hexanone	13	U	13	13	r
108-90-7	Chlorobenzene	5.0	U	1.3	5.0	r
100-41-4	Ethylbenzene	3.6	J	1.3	5.0	r
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	1.3	5.0	r
179601-23-1	m&p-Xylene	9.2		1.3	5.0	r
95-47-6	o-Xylene	3.6	J	1.3	5.0	r
100-42-5	Styrene	5.0	U	1.3	5.0	r
75-25-2	Bromoform	25	U	1.3	25	r
98-82-8	Isopropylbenzene	5.0	U	1.3	5.0	r
108-86-1	Bromobenzene	5.0	U	1.3	5.0	r
103-65-1	n-Propylbenzene	5.0	U	1.3	5.0	r
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	1.3	5.0	r
95-49-8	2-Chlorotoluene	5.0	U	1.3	5.0	r
108-67-8	1,3,5-Trimethylbenzene	5.0	U	1.3	5.0	r
96-18-4	1,2,3-Trichloropropane	1.3	U	1.3	1.3	r
110-57-6	trans-1,4-Dichloro-2-butene	13	U	13	13	r
106-43-4	4-Chlorotoluene	5.0	U	1.3	5.0	r
98-06-6	tert-Butylbenzene	5.0	U	1.3	5.0	r
95-63-6	1,2,4-Trimethylbenzene	2.6	J	1.3	5.0	r
135-98-8	sec-Butylbenzene	5.0	U	1.3	5.0	r
99-87-6	p-Isopropyltoluene	5.0	U	1.3	5.0	r
541-73-1	1,3-Dichlorobenzene	3.0	U	1.3	3.0	r
106-46-7	1,4-Dichlorobenzene	5.0	U	1.3	5.0	r
527-84-4	2-Isopropyltoluene	5.0	U	1.3	5.0	r
104-51-8	n-Butylbenzene	5.0	U	1.3	5.0	r
95-50-1	1,2-Dichlorobenzene	3.2	J	1.3	4.7	r
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	2.5	2.5	r
87-68-3	Hexachlorobutadiene	1.0	U	1.0	1.0	r
120-82-1	1,2,4-Trichlorobenzene	5.0	U	1.3	5.0	r
91-20-3	Naphthalene	5.0	U	5.0	5.0	r
87-61-6	1,2,3-Trichlorobenzene	5.0	U	1.3	5.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_12.D
 Acq On : 2 Feb 2024 12:18 pm
 Operator :
 Client ID : MW-XX 5X
 Lab ID : CP97098 5X
 ALS Vial : 1 Sample Multiplier: 1

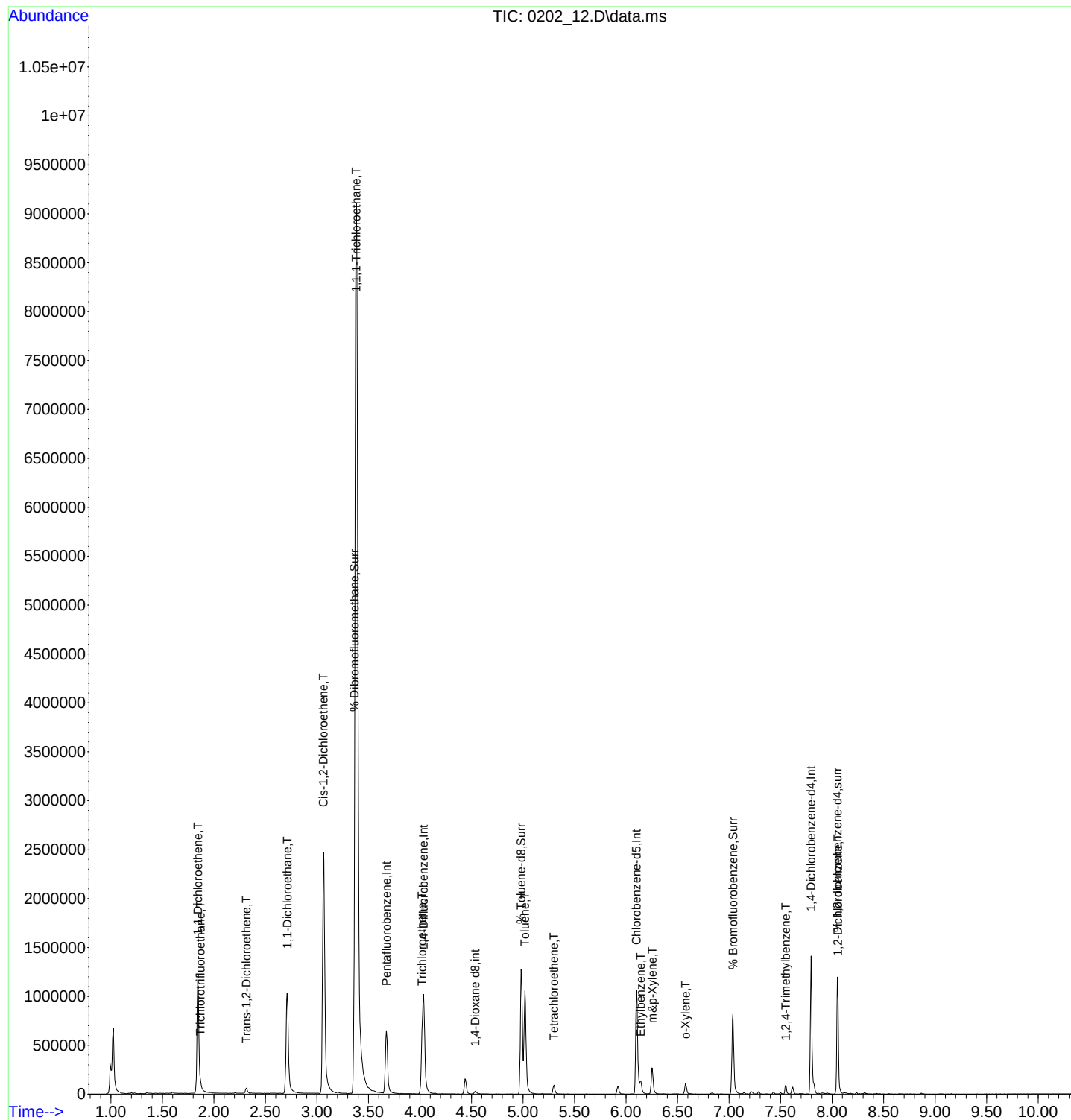
Quant Time: Feb 05 16:00:28 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

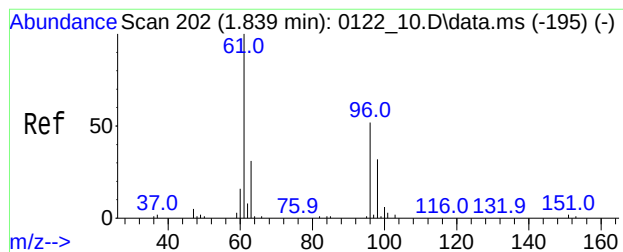
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	351007	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	551041	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	484171	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	252147	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	18617	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	21963	8.041	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	80.40%		
45) % Toluene-d8	4.982	98	679394	9.709	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.10%		
62) % Bromofluorobenzene	7.037	95	227838	9.593	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.90%		
64) % 1,2-dichlorobenzene-d4	8.052	152	195041	9.169	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.70%		
Target Compounds						
9) 1,1-Dichloroethene	1.844	96	306274	19.787	ug/l	94
10) Trichlorotrifluoroethane	1.870	151	13887	1.107	ug/l	95
15) Trans-1,2-Dichloroethene	2.315	96	16061	0.965	ug/l	94
19) 1,1-Dichloroethane	2.712	63	871204	24.750	ug/l	100
23) Cis-1,2-Dichloroethene	3.062	96	858324	50.315	ug/l	96
30) 1,1,1-Trichloroethane	3.382	97	5671957	219.149	ug/l	95
39) Trichloroethene	4.020	130	115316	6.159	ug/l	98
44) Toluene	5.019	92	350164	7.144	ug/l	99
47) Tetrachloroethene	5.301	164	17854	1.044	ug/l	96
56) Ethylbenzene	6.143	106	21077	0.729	ug/l	93
58) m&p-Xylene	6.253	106	63481	1.843	ug/l	100
59) o-Xylene	6.577	106	24607	0.722	ug/l	100
75) 1,2,4-Trimethylbenzene	7.550	105	38672	0.513	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	18780	0.639	ug/l	89

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\V2024\CHEM17\02FEB\020224\
Data File : 0202_12.D
Acq On : 2 Feb 2024 12:18 pm
Operator :
Client ID : MW-XX 5X
Lab ID : CP97098 5X
ALS Vial : 1 Sample Multiplier: 1

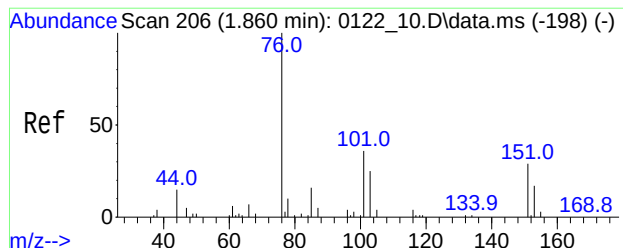
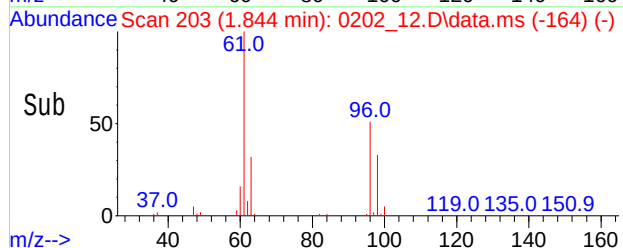
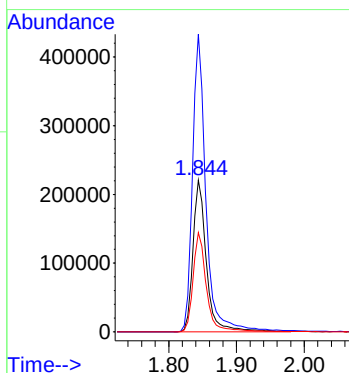
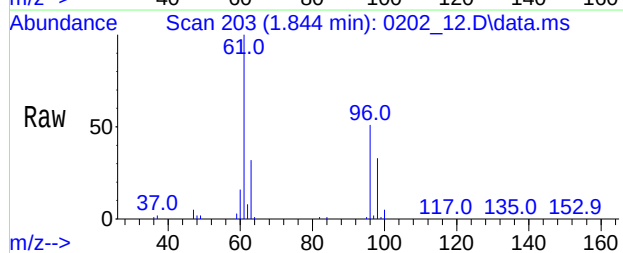
Quant Time: Feb 05 16:00:28 2024
Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration





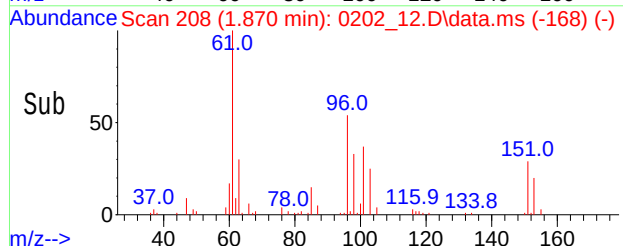
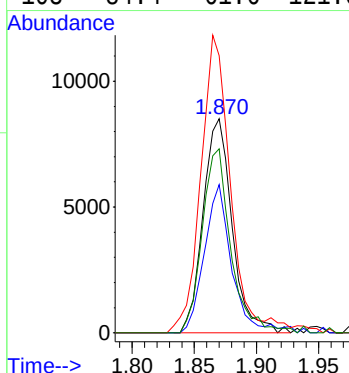
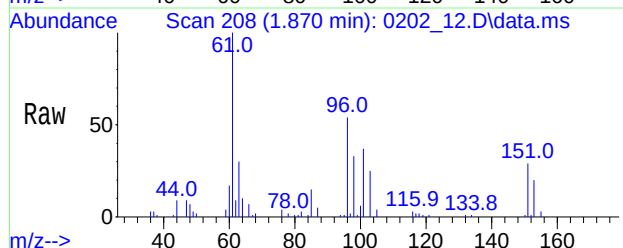
#9
1,1-Dichloroethene
Conc: 8\$ 19.787 ug/l
RT: 1.844 min Scan# 203
Delta R.T. 0.005 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

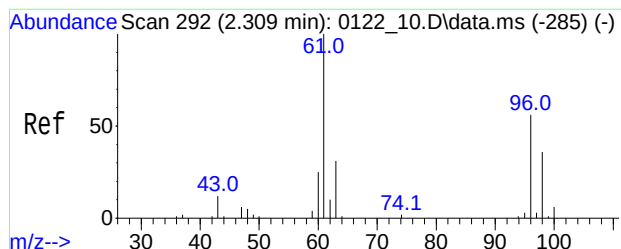
Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.6	177.1	237.1
98	64.8	33.1	93.1



#10
Trichlorotrifluoroethane
Conc: 8\$ 1.107 ug/l
RT: 1.870 min Scan# 208
Delta R.T. 0.010 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

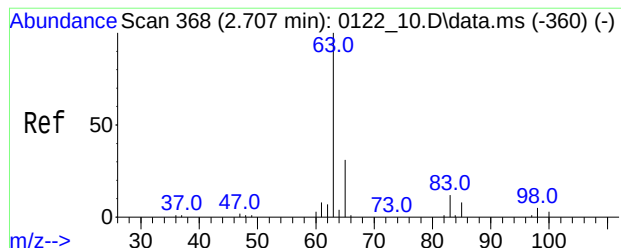
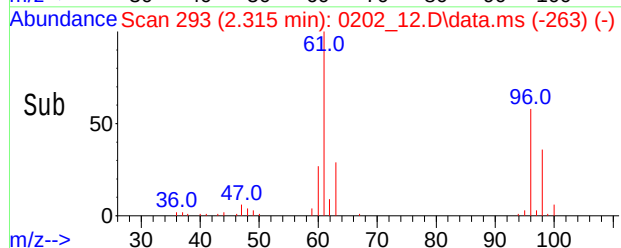
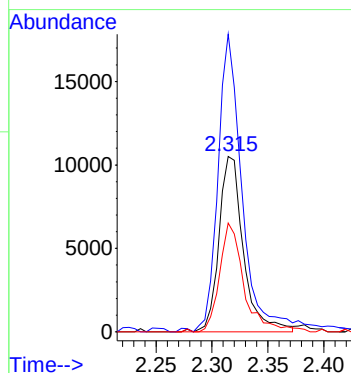
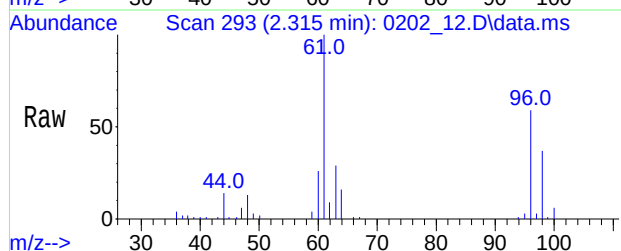
Tgt Ion	Ratio	Lower	Upper
151	100		
153	65.5	31.8	91.8
101	143.8	109.9	169.9
103	84.4	61.6	121.6





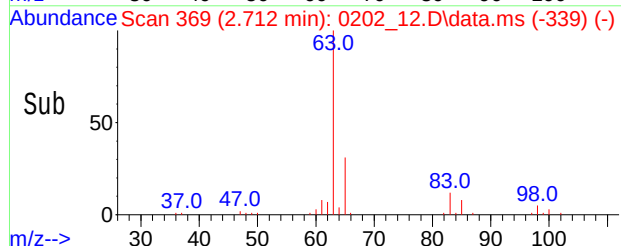
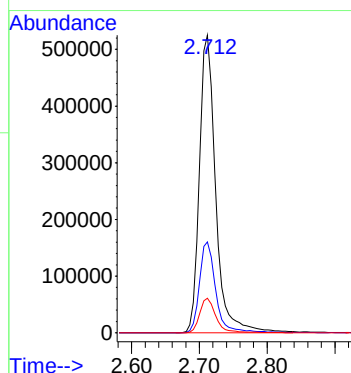
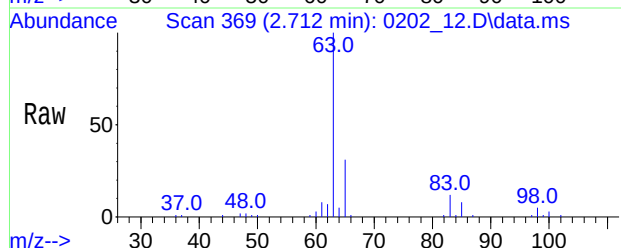
#15
 Trans-1,2-Dichloroethene
 Conc: 8\$ 0.965 ug/l
 RT: 2.315 min Scan# 293
 Delta R.T. 0.005 min
 Lab File: 0202_12.D
 Acq: 2 Feb 2024 12:18 pm

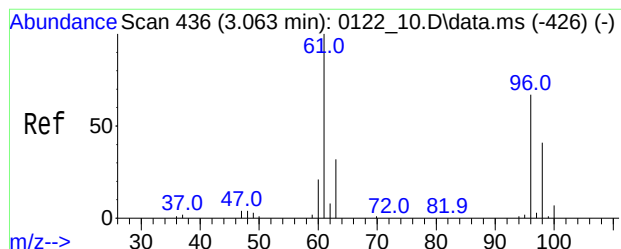
Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.3	152.3	212.3
98	61.6	33.5	93.5



#19
 1,1-Dichloroethane
 Conc: 8\$ 24.750 ug/l
 RT: 2.712 min Scan# 369
 Delta R.T. 0.005 min
 Lab File: 0202_12.D
 Acq: 2 Feb 2024 12:18 pm

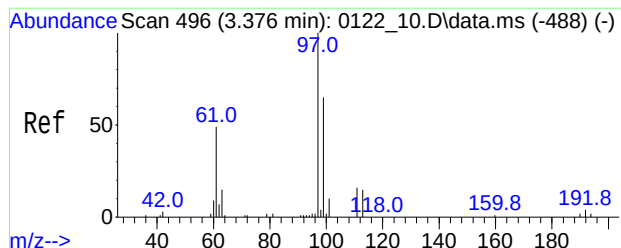
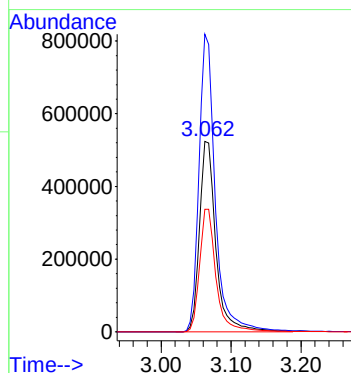
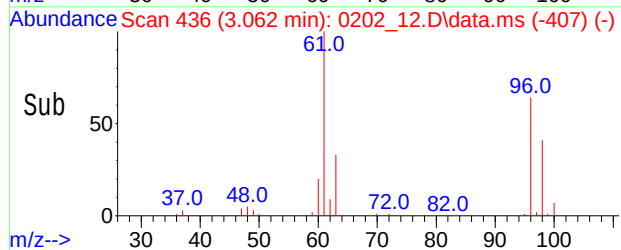
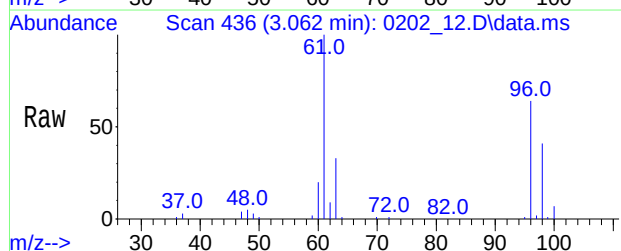
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.5	0.5	60.5
83	11.7	0.0	41.9





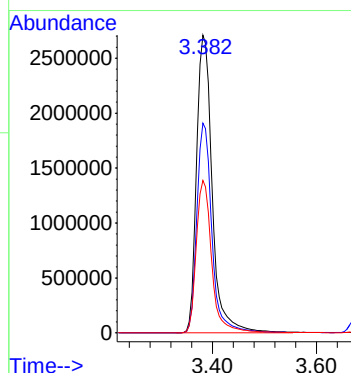
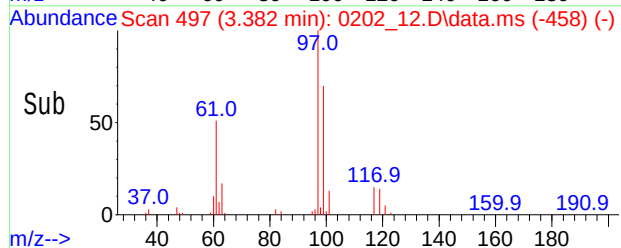
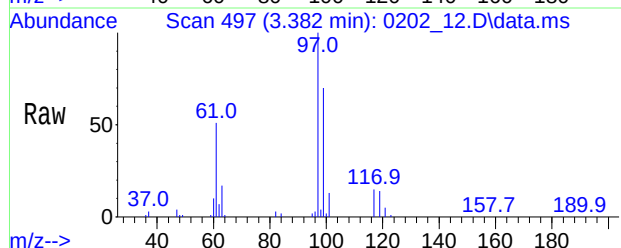
#23
Cis-1,2-Dichloroethene
Conc: 8\$ 50.315 ug/l
RT: 3.062 min Scan# 436
Delta R.T. -0.000 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

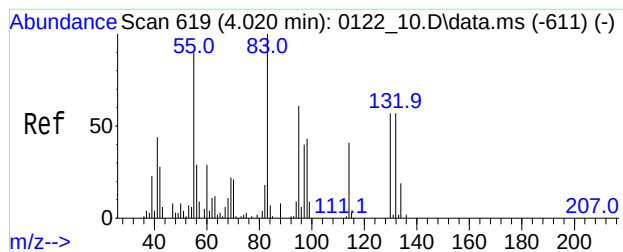
Tgt Ion: 96 Resp: 858324
Ion Ratio Lower Upper
96 100
61 154.4 128.7 188.7
98 64.4 30.1 90.1



#30
1,1,1-Trichloroethane
Conc: 8\$ 219.149 ug/l
RT: 3.382 min Scan# 497
Delta R.T. 0.005 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

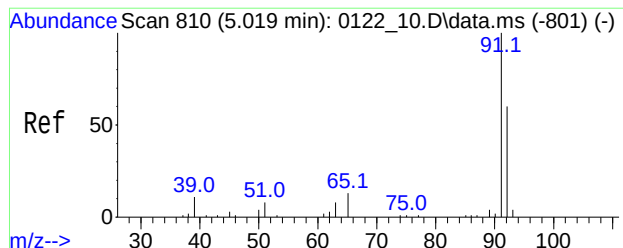
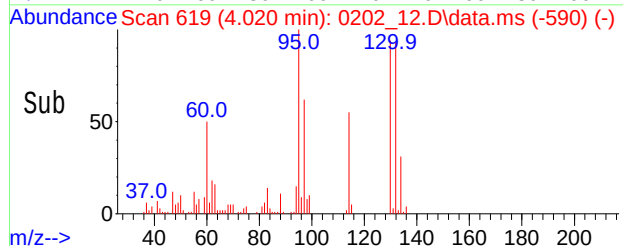
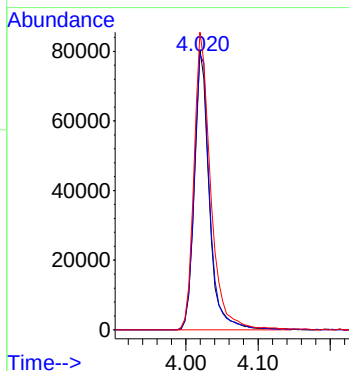
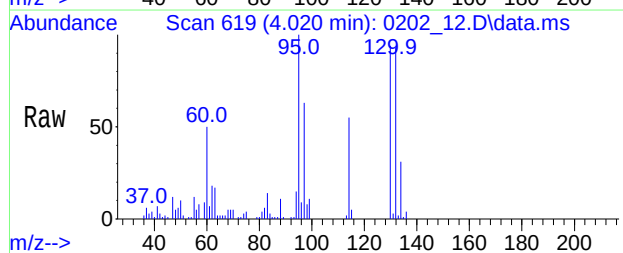
Tgt Ion: 97 Resp: 5671957
Ion Ratio Lower Upper
97 100
99 67.8 33.6 93.6
61 50.4 24.1 84.1





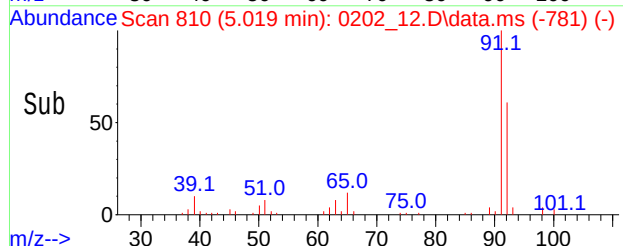
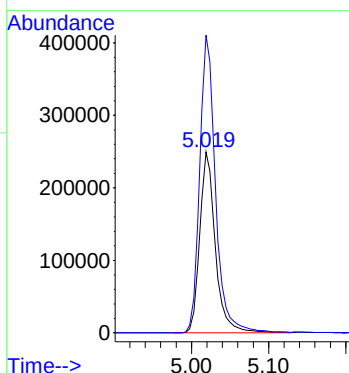
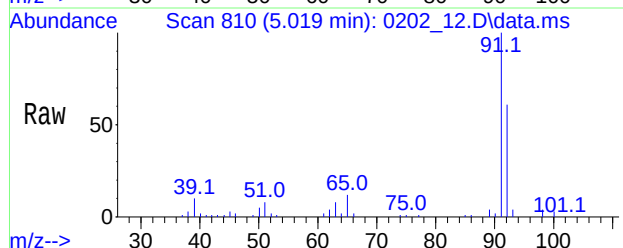
#39
Trichloroethene
Conc: 8\$ 6.159 ug/l
RT: 4.020 min Scan# 619
Delta R.T. -0.000 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

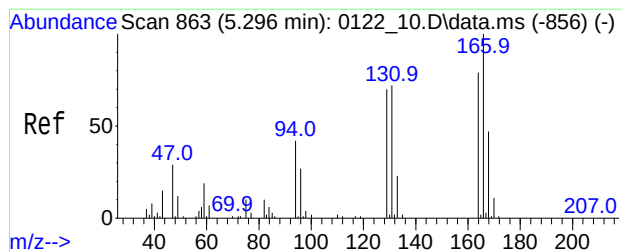
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	115316		
132	102.7	73.3	133.3	
95	119.0	92.1	152.1	



#44
Toluene
Conc: 8\$ 7.144 ug/l
RT: 5.019 min Scan# 810
Delta R.T. -0.000 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

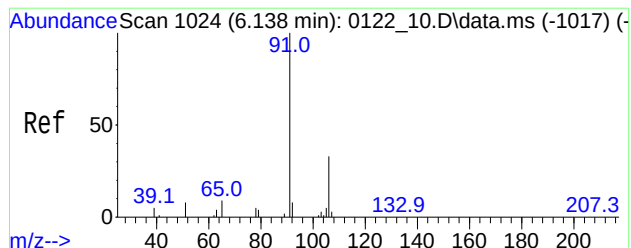
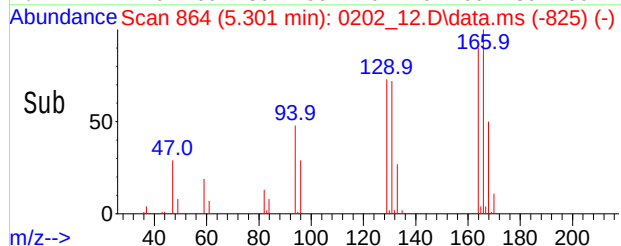
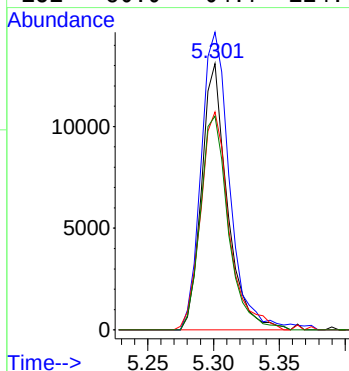
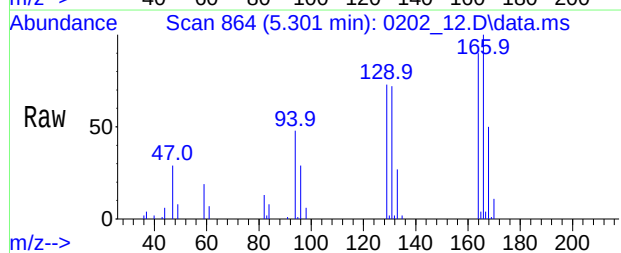
Tgt Ion	Ratio	Resp	Lower	Upper
92	100	350164		
91	167.3	138.1	198.1	





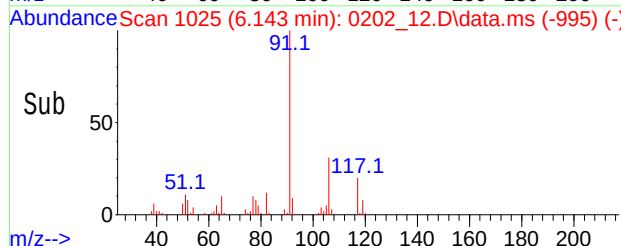
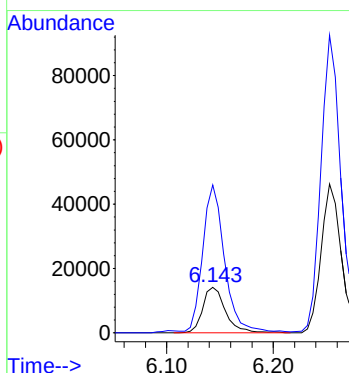
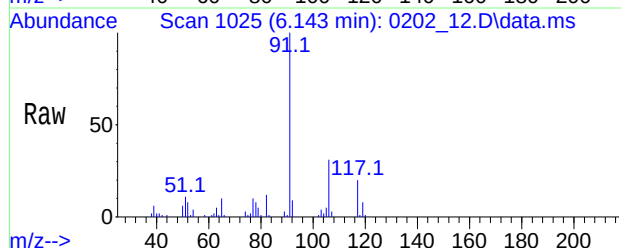
#47
Tetrachloroethene
Conc: 8\$ 1.044 ug/l
RT: 5.301 min Scan# 864
Delta R.T. 0.005 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

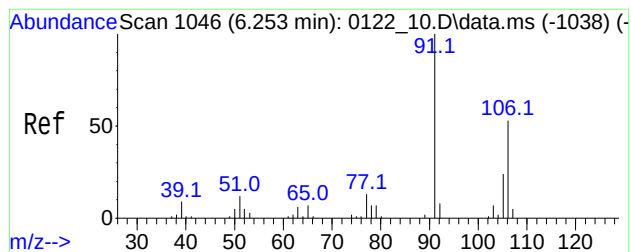
Tgt Ion	164	Resp	17854
Ratio	100	Lower	Upper
166	125.1	96.2	156.2
129	90.6	63.9	123.9
131	86.9	64.7	124.7



#56
Ethylbenzene
Conc: 8\$ 0.729 ug/l
RT: 6.143 min Scan# 1025
Delta R.T. 0.005 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

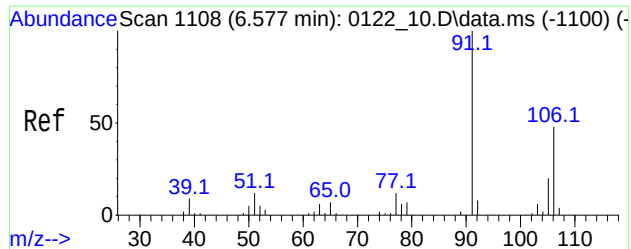
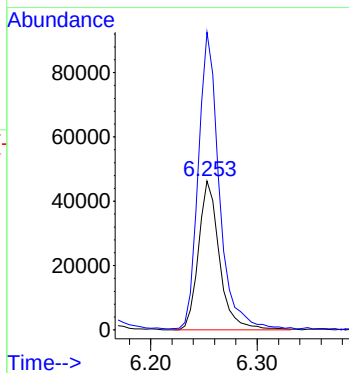
Tgt Ion	106	Resp	21077
Ratio	100	Lower	Upper
91	323.0	278.2	338.2





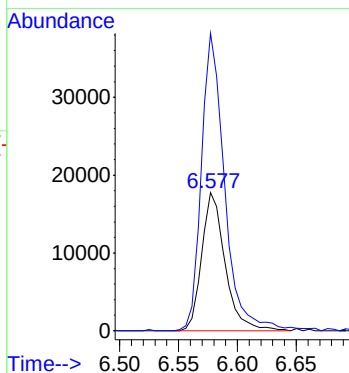
#58
m&p-Xylene
Conc: 8\$ 1.843 ug/l
RT: 6.253 min Scan# 1046
Delta R.T. -0.000 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

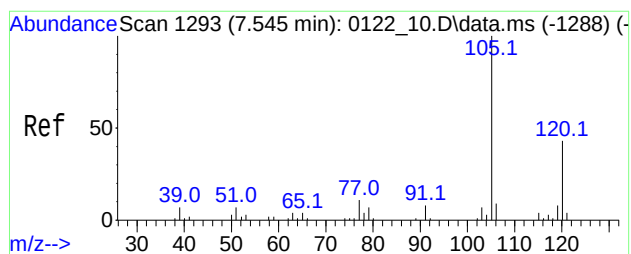
Tgt Ion:106 Resp: 63481
Ion Ratio Lower Upper
106 100
91 196.4 166.8 226.8



#59
o-Xylene
Conc: 8\$ 0.722 ug/l
RT: 6.577 min Scan# 1108
Delta R.T. -0.000 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

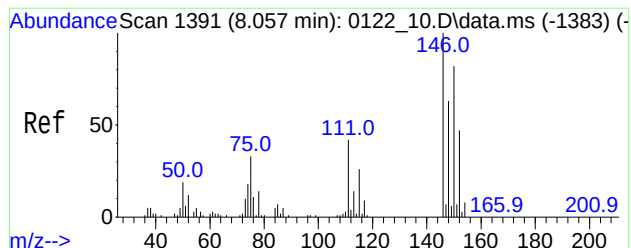
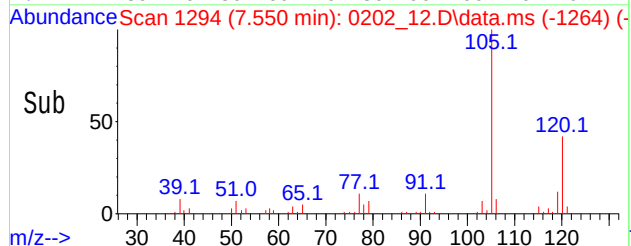
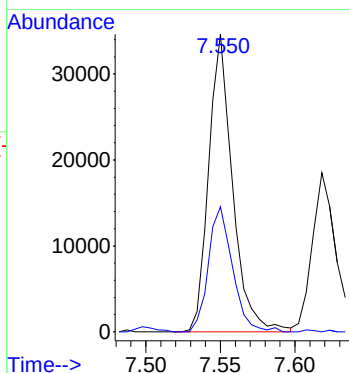
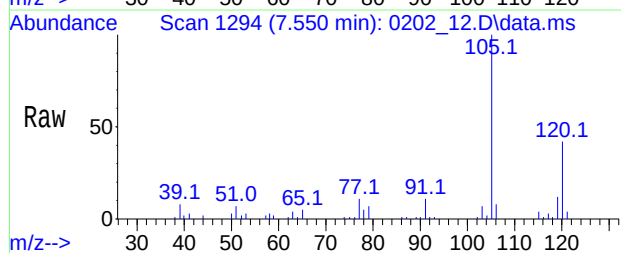
Tgt Ion:106 Resp: 24607
Ion Ratio Lower Upper
106 100
91 214.3 184.2 244.2





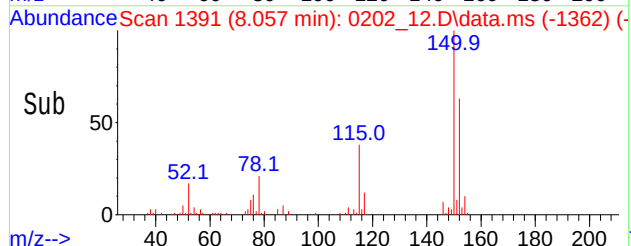
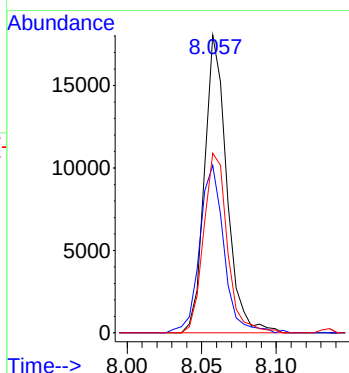
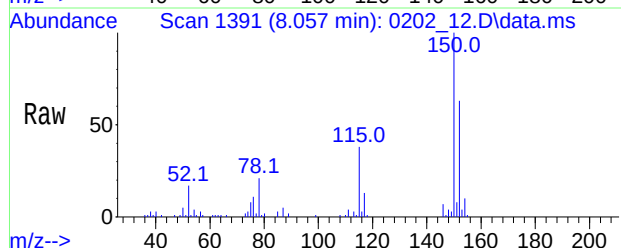
#75
1,2,4-Trimethylbenzene
Conc: 8\$ 0.513 ug/l
RT: 7.550 min Scan# 1294
Delta R.T. 0.005 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

Tgt Ion: 105 Resp: 38672
Ion Ratio Lower Upper
105 100
120 42.4 12.9 72.9



#83
1,2-Dichlorobenzene
Conc: 8\$ 0.639 ug/l
RT: 8.057 min Scan# 1391
Delta R.T. -0.000 min
Lab File: 0202_12.D
Acq: 2 Feb 2024 12:18 pm

Tgt Ion: 146 Resp: 18780
Ion Ratio Lower Upper
146 100
111 61.4 15.2 75.2
148 64.2 33.6 93.6



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-XX 50X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97098 50X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_11.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 50

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	50	U	13	50	
74-87-3	Chloromethane	250	U	13	250	
75-01-4	Vinyl Chloride	50	U	13	50	
74-83-9	Bromomethane	250	U	13	250	
75-00-3	Chloroethane	250	U	13	250	
75-69-4	Trichlorofluoromethane	50	U	13	50	
75-35-4	1,1-Dichloroethene	99	X	13	50	
76-13-1	Trichlorotrifluoroethane	50	U	13	50	
75-15-0	Carbon Disulfide	50	U	13	50	
107-02-8	Acrolein	250	U	130	250	
75-09-2	Methylene Chloride	150	U	50	150	
67-64-1	Acetone	250	U	130	250	
156-60-5	Trans-1,2-Dichloroethene	250	U	13	250	
1634-04-4	Methyl t-Butyl Ether (MTBE)	50	U	13	50	
75-34-3	1,1-Dichloroethane	130	JX	13	250	
107-13-1	Acrylonitrile	250	U	130	250	
156-59-2	Cis-1,2-Dichloroethene	290	D	13	50	r
594-20-7	2,2-Dichloropropane	50	U	13	50	
74-97-5	Bromochloromethane	50	U	13	50	
67-66-3	Chloroform	250	U	13	250	
56-23-5	Carbon Tetrachloride	50	U	13	50	
109-99-9	Tetrahydrofuran (THF)	250	U	130	250	
71-55-6	1,1,1-Trichloroethane	1600	E	13	250	
78-93-3	Methyl Ethyl Ketone	130	U	130	130	
563-58-6	1,1-Dichloropropene	50	U	13	50	
71-43-2	Benzene	35	U	13	35	
107-06-2	1,2-Dichloroethane	30	U	25	30	
79-01-6	Trichloroethene	30	JX	13	50	
74-95-3	Dibromomethane	50	U	13	50	
78-87-5	1,2-dichloropropane	50	U	13	50	
75-27-4	Bromodichloromethane	50	U	13	50	
10061-01-5	cis-1,3-Dichloropropene	20	U	13	20	
108-88-3	Toluene	38	JX	13	50	
108-10-1	4-Methyl-2-Pentanone	130	U	130	130	
127-18-4	Tetrachloroethene	50	U	13	50	
10061-02-6	trans-1,3-Dichloropropene	20	U	13	20	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-XX 50X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97098 50X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_11.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 50

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	50	U	13	50	
124-48-1	Dibromochloromethane	50	U	13	50	
142-28-9	1,3-Dichloropropane	50	U	13	50	
106-93-4	1,2-Dibromoethane	50	U	13	50	
591-78-6	2-Hexanone	130	U	130	130	
108-90-7	Chlorobenzene	250	U	13	250	
100-41-4	Ethylbenzene	50	U	13	50	
630-20-6	1,1,1,2-Tetrachloroethane	50	U	13	50	
179601-23-1	m&p-Xylene	50	U	13	50	
95-47-6	o-Xylene	50	U	13	50	
100-42-5	Styrene	50	U	13	50	
75-25-2	Bromoform	250	U	13	250	
98-82-8	Isopropylbenzene	50	U	13	50	
108-86-1	Bromobenzene	50	U	13	50	
103-65-1	n-Propylbenzene	50	U	13	50	
79-34-5	1,1,2,2-Tetrachloroethane	50	U	13	50	
95-49-8	2-Chlorotoluene	50	U	13	50	
108-67-8	1,3,5-Trimethylbenzene	50	U	13	50	
96-18-4	1,2,3-Trichloropropane	50	U	13	50	
110-57-6	trans-1,4-Dichloro-2-butene	130	U	130	130	
106-43-4	4-Chlorotoluene	50	U	13	50	
98-06-6	tert-Butylbenzene	50	U	13	50	
95-63-6	1,2,4-Trimethylbenzene	50	U	13	50	
135-98-8	sec-Butylbenzene	50	U	13	50	
99-87-6	p-Isopropyltoluene	50	U	13	50	
541-73-1	1,3-Dichlorobenzene	50	U	13	50	
106-46-7	1,4-Dichlorobenzene	50	U	13	50	
527-84-4	2-Isopropyltoluene	50	U	13	50	
104-51-8	n-Butylbenzene	50	U	13	50	
95-50-1	1,2-Dichlorobenzene	50	U	13	50	
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	25	50	
87-68-3	Hexachlorobutadiene	25	U	10	25	
120-82-1	1,2,4-Trichlorobenzene	50	U	13	50	
91-20-3	Naphthalene	50	U	50	50	
87-61-6	1,2,3-Trichlorobenzene	50	U	13	50	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_11.D
 Acq On : 2 Feb 2024 11:53 am
 Operator :
 Client ID : MW-XX 50X
 Lab ID : CP97098 50X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:59:14 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

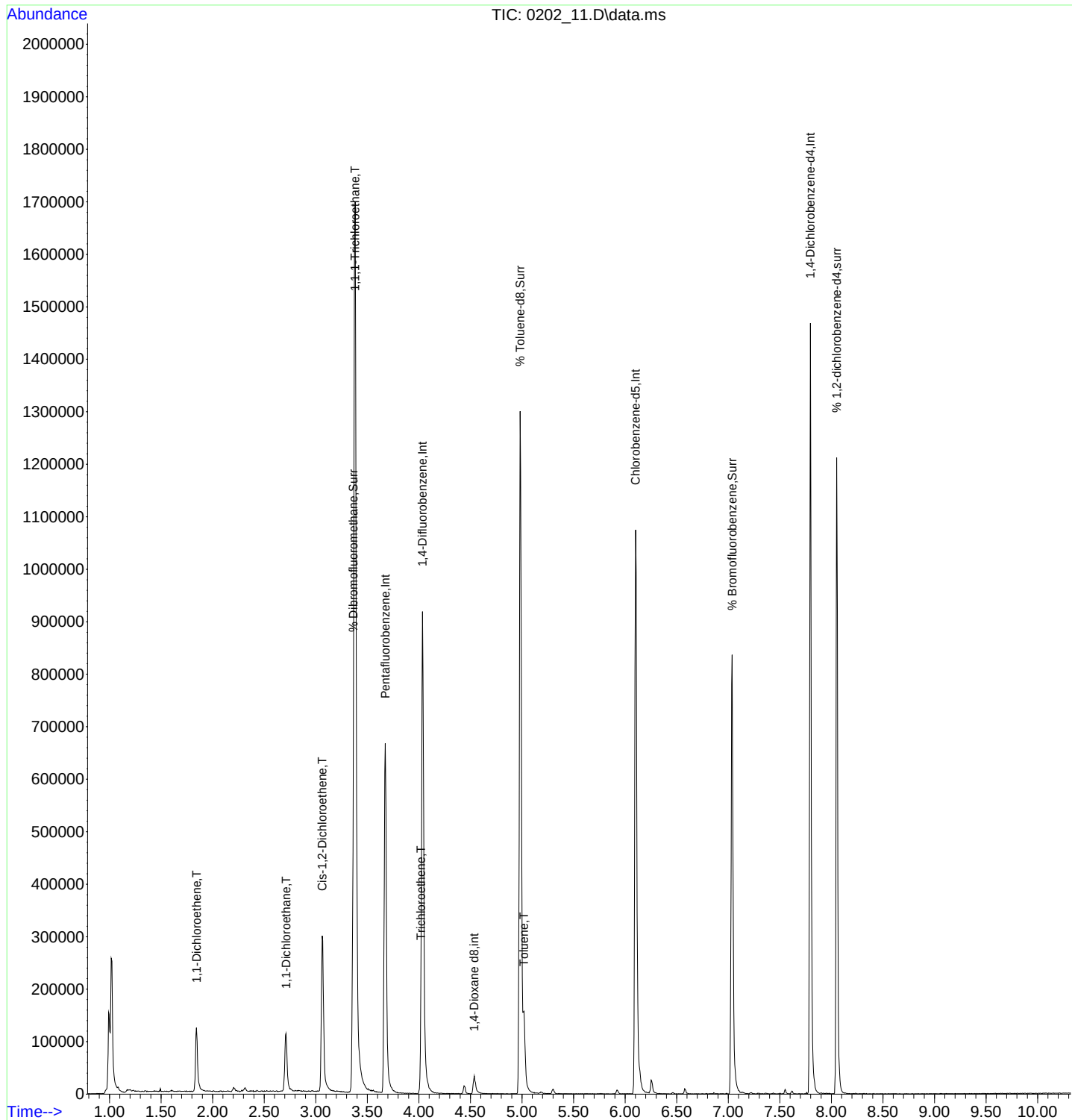
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	369477	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	574476	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	502817	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	260273	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	20951	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	26087	9.074	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.70%		
45) % Toluene-d8	4.982	98	689160	9.447	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.50%		
62) % Bromofluorobenzene	7.037	95	238077	9.652	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.50%		
64) % 1,2-dichlorobenzene-d4	8.052	152	207002	9.427	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.30%		
Target Compounds						
9) 1,1-Dichloroethene	1.844	96	32159	1.974	ug/l	94
19) 1,1-Dichloroethane	2.712	63	94787	2.558	ug/l	98
23) Cis-1,2-Dichloroethene	3.063	96	102550	5.711	ug/l	97
30) 1,1,1-Trichloroethane	3.382	97	878579	32.249	ug/l	97
39) Trichloroethene	4.020	130	11750	0.602	ug/l#	40
44) Toluene	5.019	92	38610	0.756	ug/l	95

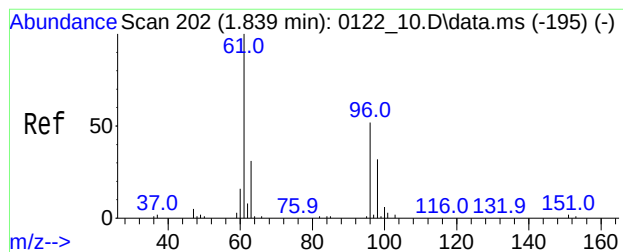
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_11.D
 Acq On : 2 Feb 2024 11:53 am
 Operator :
 Client ID : MW-XX 50X
 Lab ID : CP97098 50X
 ALS Vial : 1 Sample Multiplier: 1

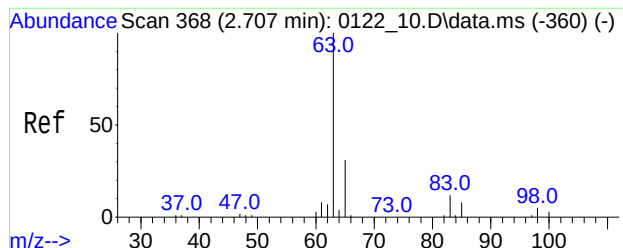
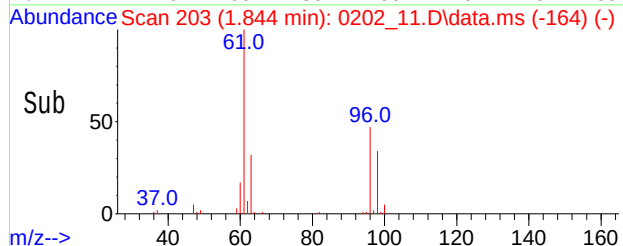
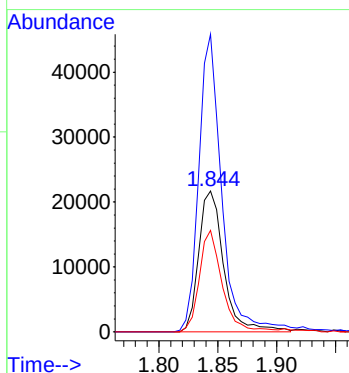
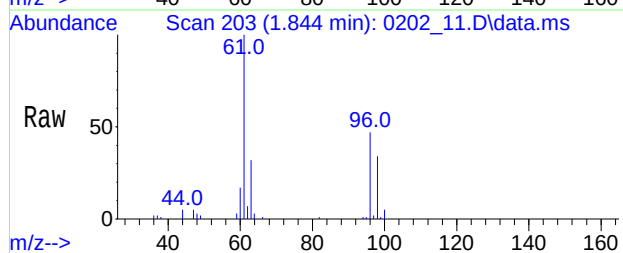
Quant Time: Feb 05 15:59:14 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration





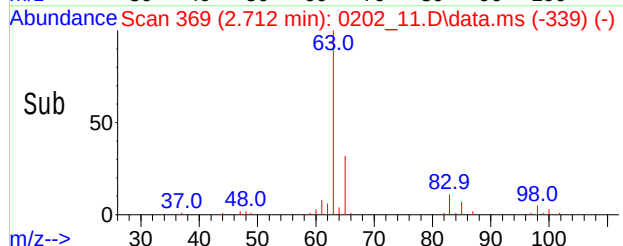
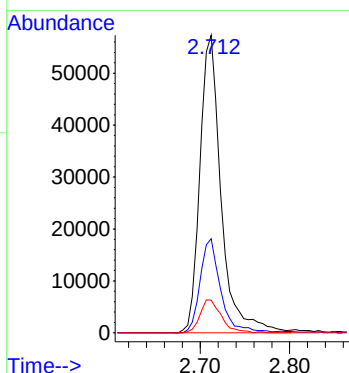
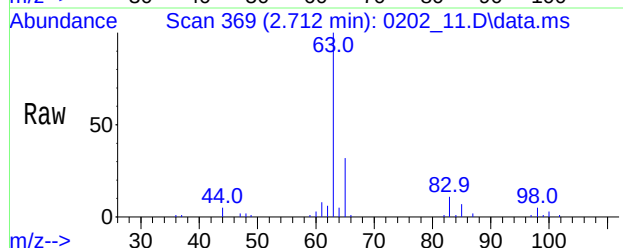
#9
1,1-Dichloroethene
Conc: 8\$ 1.974 ug/l
RT: 1.844 min Scan# 203
Delta R.T. 0.005 min
Lab File: 0202_11.D
Acq: 2 Feb 2024 11:53 am

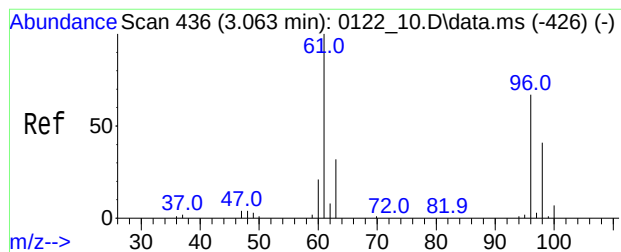
Tgt Ion: 96 Resp: 32159
Ion Ratio Lower Upper
96 100
61 196.4 177.1 237.1
98 65.5 33.1 93.1



#19
1,1-Dichloroethane
Conc: 8\$ 2.558 ug/l
RT: 2.712 min Scan# 369
Delta R.T. 0.005 min
Lab File: 0202_11.D
Acq: 2 Feb 2024 11:53 am

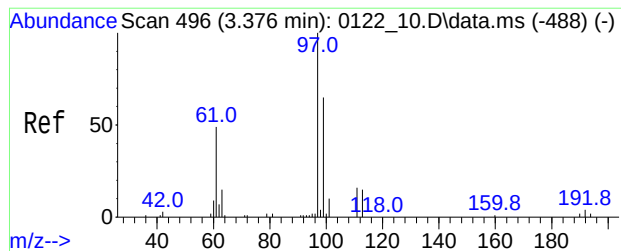
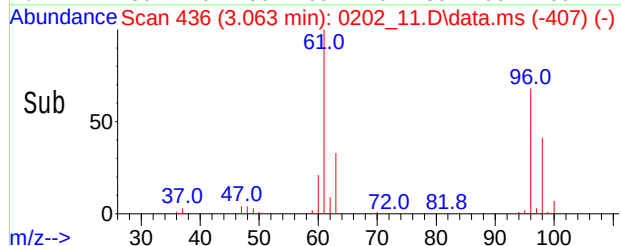
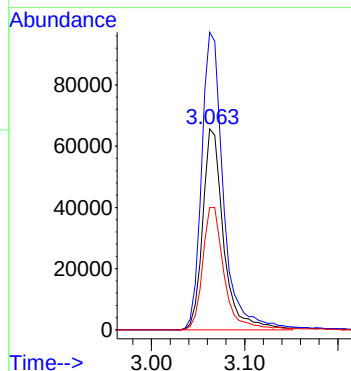
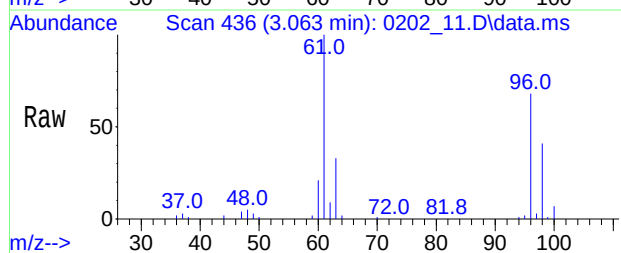
Tgt Ion: 63 Resp: 94787
Ion Ratio Lower Upper
63 100
65 31.6 0.5 60.5
83 10.9 0.0 41.9





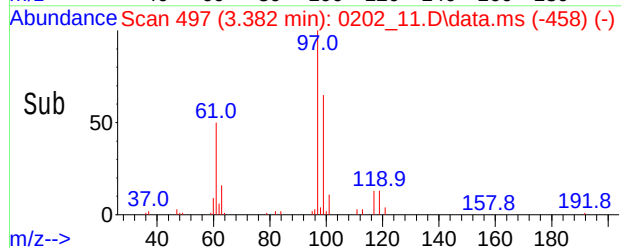
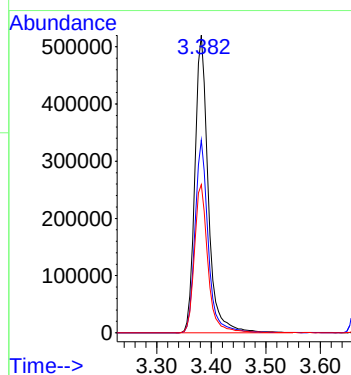
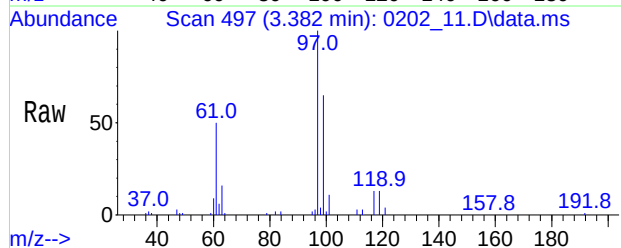
#23
Cis-1,2-Dichloroethene
Conc: 8\$ 5.711 ug/l
RT: 3.063 min Scan# 436
Delta R.T. -0.000 min
Lab File: 0202_11.D
Acq: 2 Feb 2024 11:53 am

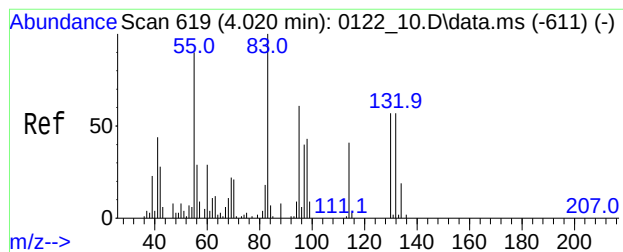
Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	128.7	188.7
98	62.9	30.1	90.1



#30
1,1,1-Trichloroethane
Conc: 8\$ 32.249 ug/l
RT: 3.382 min Scan# 497
Delta R.T. 0.005 min
Lab File: 0202_11.D
Acq: 2 Feb 2024 11:53 am

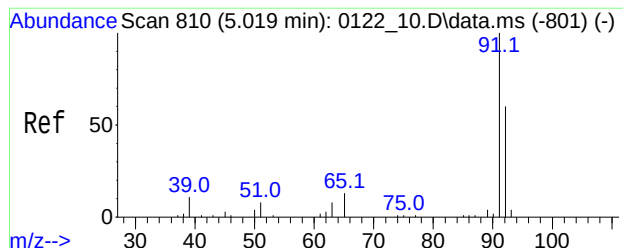
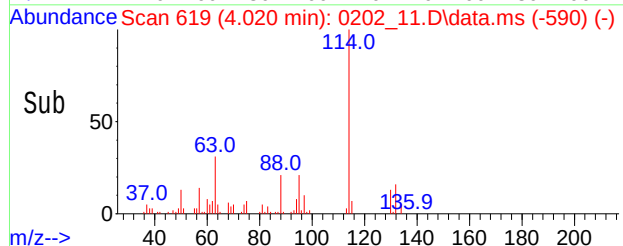
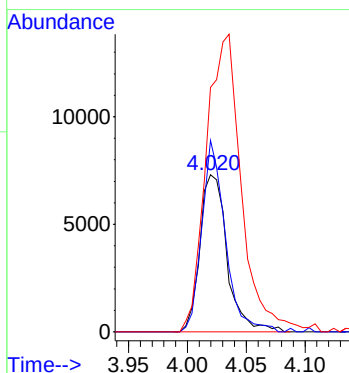
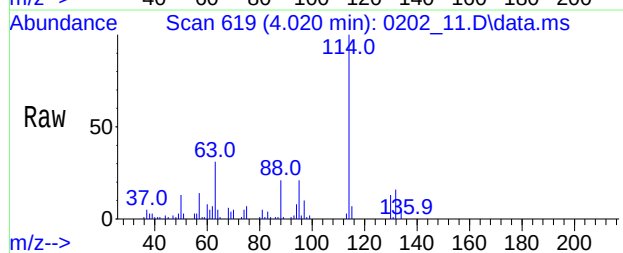
Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	33.6	93.6
61	50.2	24.1	84.1





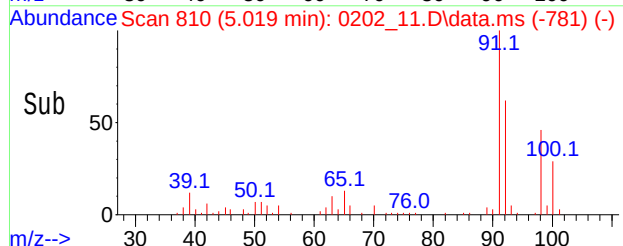
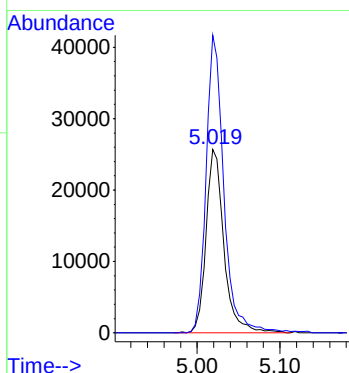
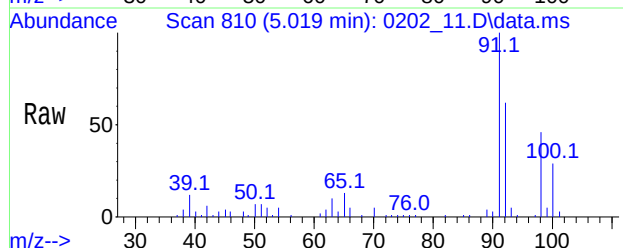
#39
Trichloroethene
Conc: 8\$ 0.602 ug/l
RT: 4.020 min Scan# 619
Delta R.T. -0.000 min
Lab File: 0202_11.D
Acq: 2 Feb 2024 11:53 am

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	11750		
132	105.4	73.3	133.3	
95	245.0	92.1	152.1#	



#44
Toluene
Conc: 8\$ 0.756 ug/l
RT: 5.019 min Scan# 810
Delta R.T. -0.000 min
Lab File: 0202_11.D
Acq: 2 Feb 2024 11:53 am

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	38610		
91	161.1	138.1	198.1	



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-XX 100X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97098 100X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_14.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 100

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	100	U	25	100	
74-87-3	Chloromethane	500	U	25	500	
75-01-4	Vinyl Chloride	100	U	25	100	
74-83-9	Bromomethane	500	U	25	500	
75-00-3	Chloroethane	500	U	25	500	
75-69-4	Trichlorofluoromethane	100	U	25	100	
75-35-4	1,1-Dichloroethene	90	JX	25	100	
76-13-1	Trichlorotrifluoroethane	100	U	25	100	
75-15-0	Carbon Disulfide	100	U	25	100	
107-02-8	Acrolein	500	U	250	500	
75-09-2	Methylene Chloride	300	U	100	300	
67-64-1	Acetone	500	U	250	500	
156-60-5	Trans-1,2-Dichloroethene	500	U	25	500	
1634-04-4	Methyl t-Butyl Ether (MTBE)	100	U	25	100	
75-34-3	1,1-Dichloroethane	120	JX	25	500	
107-13-1	Acrylonitrile	500	U	250	500	
156-59-2	Cis-1,2-Dichloroethene	280	X	25	100	
594-20-7	2,2-Dichloropropane	100	U	25	100	
74-97-5	Bromochloromethane	100	U	25	100	
67-66-3	Chloroform	500	U	25	500	
56-23-5	Carbon Tetrachloride	100	U	25	100	
109-99-9	Tetrahydrofuran (THF)	500	U	250	500	
71-55-6	1,1,1-Trichloroethane	1600	D	25	500	r
78-93-3	Methyl Ethyl Ketone	250	U	250	250	
563-58-6	1,1-Dichloropropene	100	U	25	100	
71-43-2	Benzene	70	U	25	70	
107-06-2	1,2-Dichloroethane	60	U	50	60	
79-01-6	Trichloroethene	26	JX	25	100	
74-95-3	Dibromomethane	100	U	25	100	
78-87-5	1,2-dichloropropane	100	U	25	100	
75-27-4	Bromodichloromethane	100	U	25	100	
10061-01-5	cis-1,3-Dichloropropene	40	U	25	40	
108-88-3	Toluene	31	JX	25	100	
108-10-1	4-Methyl-2-Pentanone	250	U	250	250	
127-18-4	Tetrachloroethene	100	U	25	100	
10061-02-6	trans-1,3-Dichloropropene	40	U	25	40	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-XX 100X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97098 100X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_14.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 100

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	100	U	25	100	
124-48-1	Dibromochloromethane	100	U	25	100	
142-28-9	1,3-Dichloropropane	100	U	25	100	
106-93-4	1,2-Dibromoethane	100	U	25	100	
591-78-6	2-Hexanone	250	U	250	250	
108-90-7	Chlorobenzene	500	U	25	500	
100-41-4	Ethylbenzene	100	U	25	100	
630-20-6	1,1,1,2-Tetrachloroethane	100	U	25	100	
179601-23-1	m&p-Xylene	100	U	25	100	
95-47-6	o-Xylene	100	U	25	100	
100-42-5	Styrene	100	U	25	100	
75-25-2	Bromoform	500	U	25	500	
98-82-8	Isopropylbenzene	100	U	25	100	
108-86-1	Bromobenzene	100	U	25	100	
103-65-1	n-Propylbenzene	100	U	25	100	
79-34-5	1,1,2,2-Tetrachloroethane	100	U	25	100	
95-49-8	2-Chlorotoluene	100	U	25	100	
108-67-8	1,3,5-Trimethylbenzene	100	U	25	100	
96-18-4	1,2,3-Trichloropropane	100	U	25	100	
110-57-6	trans-1,4-Dichloro-2-butene	250	U	250	250	
106-43-4	4-Chlorotoluene	100	U	25	100	
98-06-6	tert-Butylbenzene	100	U	25	100	
95-63-6	1,2,4-Trimethylbenzene	100	U	25	100	
135-98-8	sec-Butylbenzene	100	U	25	100	
99-87-6	p-Isopropyltoluene	100	U	25	100	
541-73-1	1,3-Dichlorobenzene	100	U	25	100	
106-46-7	1,4-Dichlorobenzene	100	U	25	100	
527-84-4	2-Isopropyltoluene	100	U	25	100	
104-51-8	n-Butylbenzene	100	U	25	100	
95-50-1	1,2-Dichlorobenzene	100	U	25	100	
96-12-8	1,2-Dibromo-3-Chloropropane	100	U	50	100	
87-68-3	Hexachlorobutadiene	50	U	20	50	
120-82-1	1,2,4-Trichlorobenzene	100	U	25	100	
91-20-3	Naphthalene	100	U	100	100	
87-61-6	1,2,3-Trichlorobenzene	100	U	25	100	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_14.D
 Acq On : 5 Feb 2024 12:14 pm
 Operator :
 Client ID : MW-XX 100X
 Lab ID : CP97098 100X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 14:22:16 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

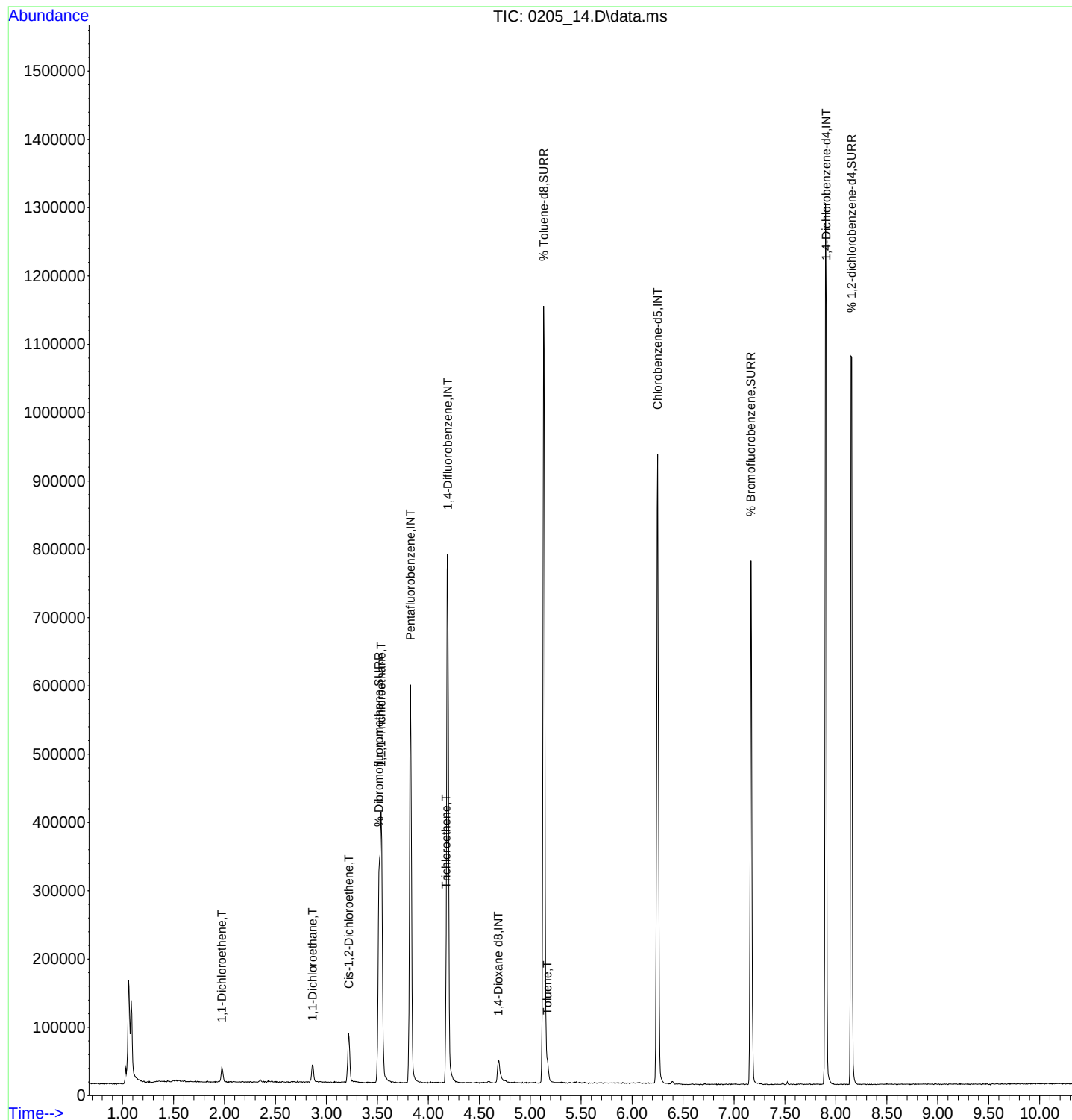
Internal Standards						
1) Pentafluorobenzene	3.825	168	273944	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	451696	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	374099	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	210002	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	25607	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	22173	10.291	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.90%		
45) % Toluene-d8	5.132	98	549944	9.917	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.20%		
62) % Bromofluorobenzene	7.167	95	181714	9.593	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.90%		
64) % 1,2-dichlorobenzene-d4	8.155	152	175680	10.055	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.50%		
Target Compounds						
9) 1,1-Dichloroethene	1.973	96	5645	0.898	ug/l	99
19) 1,1-Dichloroethane	2.862	63	18708	1.230	ug/l	94
23) Cis-1,2-Dichloroethene	3.218	96	22201	2.820	ug/l	95
30) 1,1,1-Trichloroethane	3.537	97	179780	16.192	ug/l	97
39) Trichloroethene	4.175	130	2076	0.262	ug/l#	1
44) Toluene	5.169	92	6019	0.314	ug/l	100

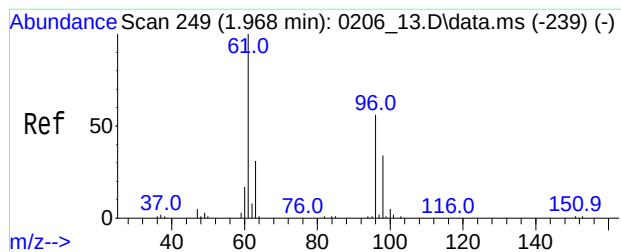
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_14.D
 Acq On : 5 Feb 2024 12:14 pm
 Operator :
 Client ID : MW-XX 100X
 Lab ID : CP97098 100X
 ALS Vial : 1 Sample Multiplier: 1

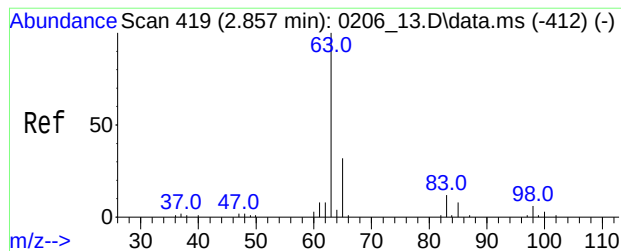
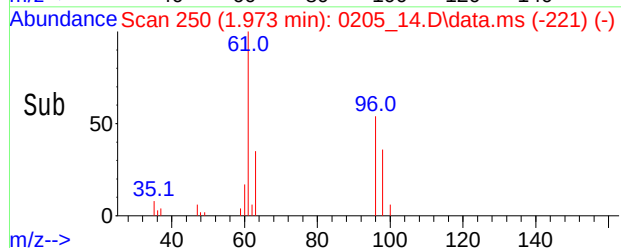
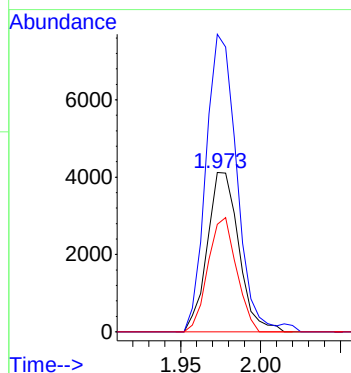
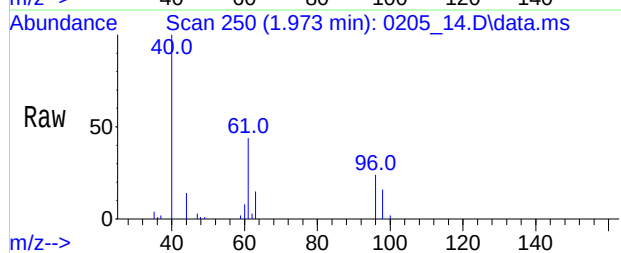
Quant Time: Feb 06 14:22:16 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration





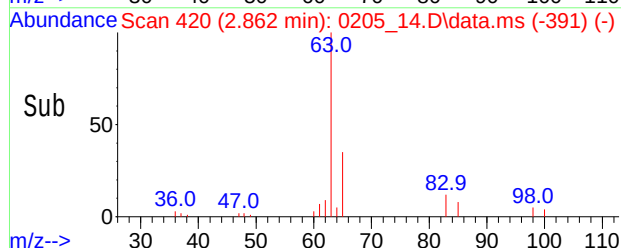
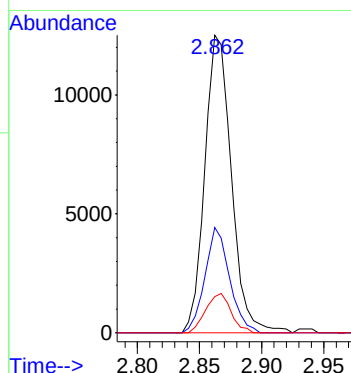
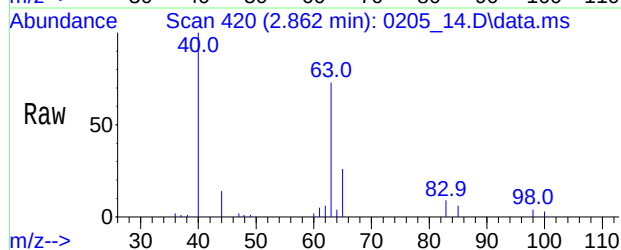
#9
 1,1-Dichloroethene
 Conc: 8\$ 0.898 ug/l
 RT: 1.973 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: 0205_14.D
 Acq: 5 Feb 2024 12:14 pm

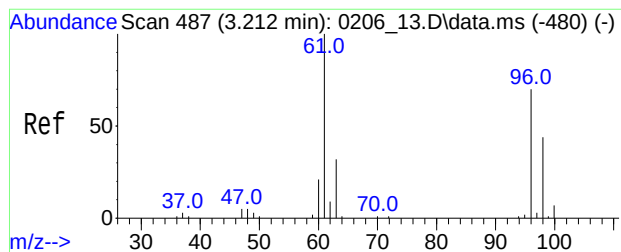
Tgt Ion:	96	Resp:	5645
Ion Ratio	Lower	Upper	
96	100		
61	183.0	152.5	212.5
98	64.7	33.5	93.5



#19
 1,1-Dichloroethane
 Conc: 8\$ 1.230 ug/l
 RT: 2.862 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: 0205_14.D
 Acq: 5 Feb 2024 12:14 pm

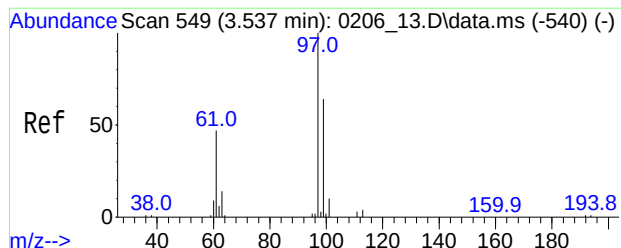
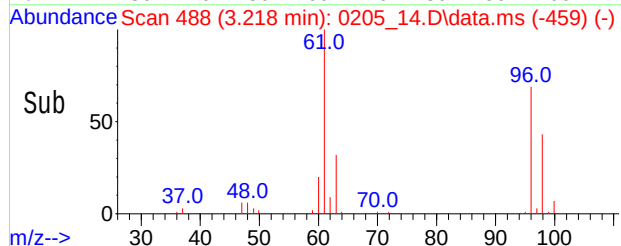
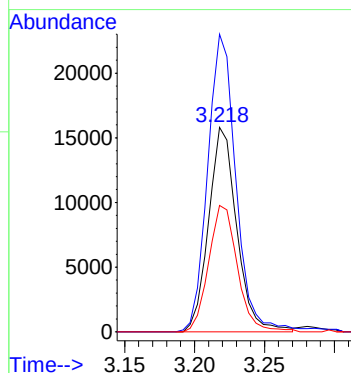
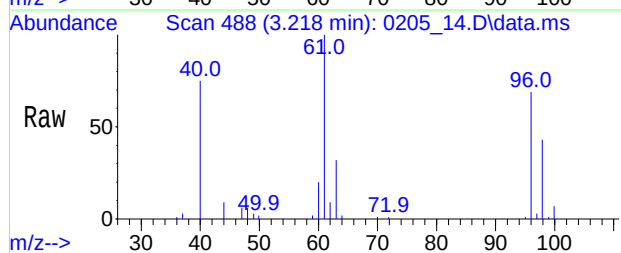
Tgt Ion:	63	Resp:	18708
Ion Ratio	Lower	Upper	
63	100		
65	35.4	1.1	61.1
83	12.2	0.0	42.8





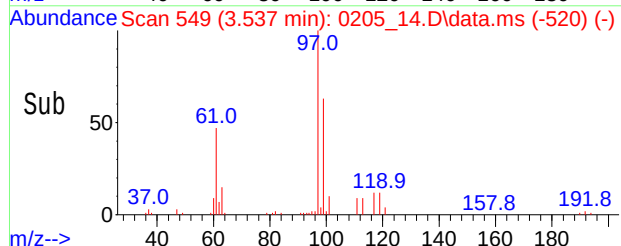
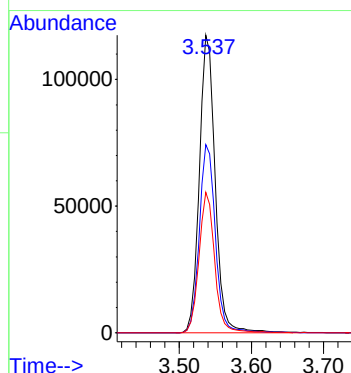
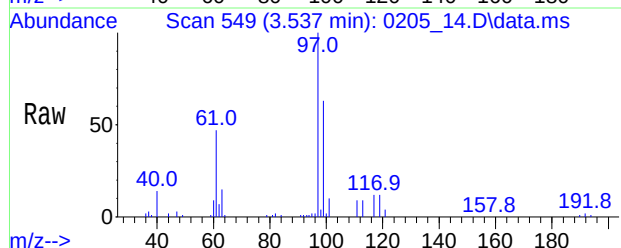
#23
Cis-1,2-Dichloroethene
Conc: 8\$ 2.820 ug/l
RT: 3.218 min Scan# 488
Delta R.T. 0.000 min
Lab File: 0205_14.D
Acq: 5 Feb 2024 12:14 pm

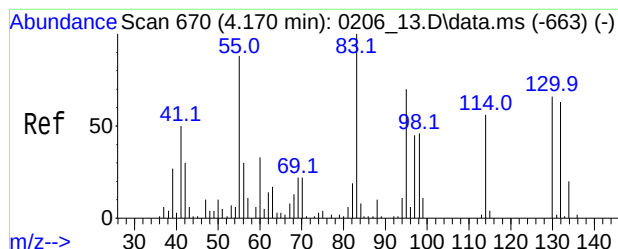
Tgt Ion: 96 Resp: 22201
Ion Ratio Lower Upper
96 100
61 147.0 109.2 169.2
98 63.1 34.1 94.1



#30
1,1,1-Trichloroethane
Conc: 8\$ 16.192 ug/l
RT: 3.537 min Scan# 549
Delta R.T. 0.000 min
Lab File: 0205_14.D
Acq: 5 Feb 2024 12:14 pm

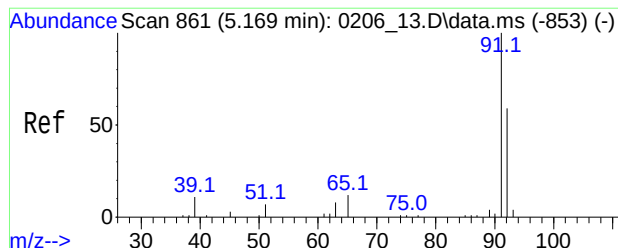
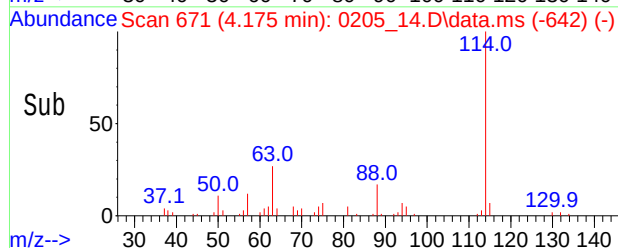
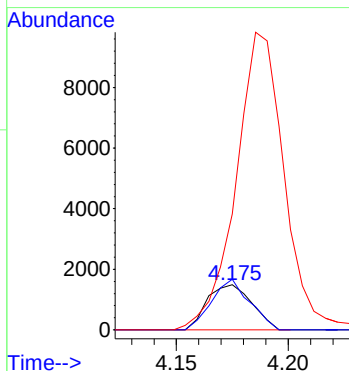
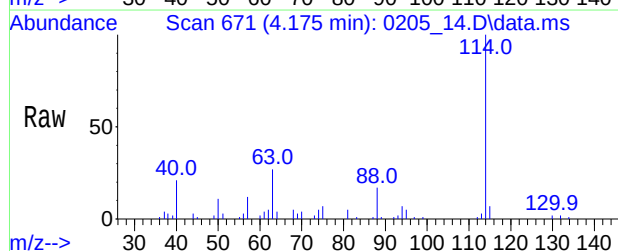
Tgt Ion: 97 Resp: 179780
Ion Ratio Lower Upper
97 100
99 64.4 33.6 93.6
61 46.8 13.8 73.8





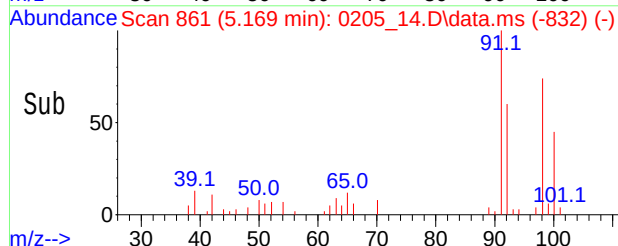
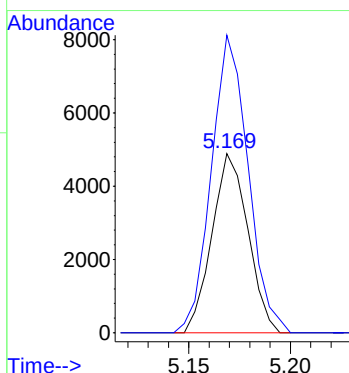
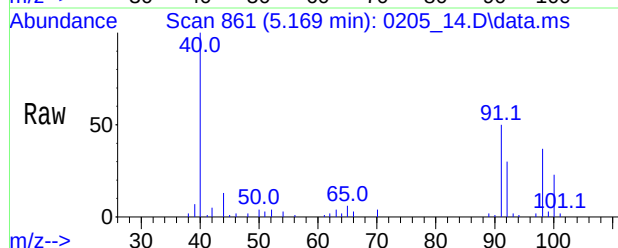
#39
Trichloroethene
Conc: 8\$ 0.262 ug/l
RT: 4.175 min Scan# 671
Delta R.T. 0.000 min
Lab File: 0205_14.D
Acq: 5 Feb 2024 12:14 pm

Tgt Ion	Ratio	Lower	Upper
130	100		
132	95.5	65.5	125.5
95	711.6	79.3	139.3#



#44
Toluene
Conc: 8\$ 0.314 ug/l
RT: 5.169 min Scan# 861
Delta R.T. 0.000 min
Lab File: 0205_14.D
Acq: 5 Feb 2024 12:14 pm

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	140.1	200.1



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

TRIP BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97099

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0201_07.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/01/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

TRIP BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP97099

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0201_07.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/01/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	0.25	U	0.25	0.25	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	0.25	U	0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.50	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_07.D
 Acq On : 1 Feb 2024 9:32 am
 Operator :
 Client ID : TRIP BLANK
 Lab ID : CP97099
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:52:39 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

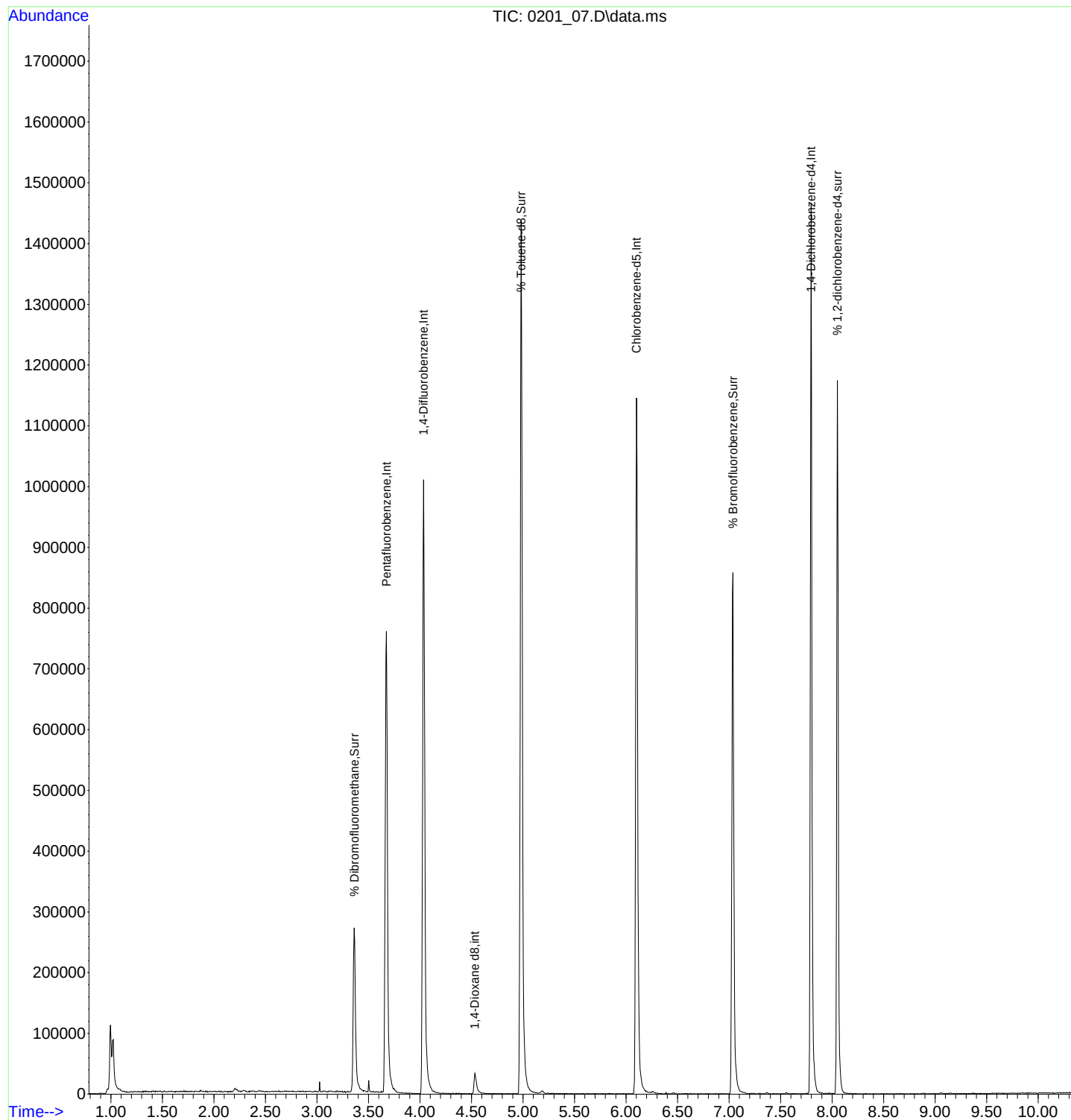
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	3.674	168	428791	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	640505	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	520244	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	264740	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.532	96	20695	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	27913	8.366	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	83.70%		
45) % Toluene-d8	4.982	98	753102	9.259	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.60%		
62) % Bromofluorobenzene	7.037	95	243901	9.557	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.60%		
64) % 1,2-dichlorobenzene-d4	8.052	152	203656	9.118	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.20%		
Target Compounds						Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\V2024\CHEM17\02FEB\020124\
Data File : 0201_07.D
Acq On : 1 Feb 2024 9:32 am
Operator :
Client ID : TRIP BLANK
Lab ID : CP97099
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:52:39 2024
Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration



6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096

Instrument ID: CHEM02 Calibration Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Calibration Time(s): 13:46 16:08

GC Column: _____ Method File: VT-P020324.M

LAB FILE ID:

RRF 0.5	0203_07.D	RRF 2	0203_09.D	RRF 4	0203_10.D	RRF 10	0203_11.D
RRF 20	0203_12.D	RRF 30	0203_13.D				

COMPOUND		RRF 0.5	RRF 2	RRF 4	RRF 10	RRF 20	RRF 30			RRF	% RSD	% RSD LIMITS
Dichlorodifluoromethane		0.251	0.274	0.254	0.305	0.330	0.371			0.298	15.8	20 (40)
Chloromethane		0.468	0.416	0.420	0.431	0.409	0.446			0.432	5.1	20 (40)
Vinyl Chloride		0.316	0.339	0.337	0.373	0.371	0.407			0.357	9.2	20 (30)
Bromomethane		0.127	0.145	0.159	0.177	0.173	0.187			0.161	13.8	20 (40)
Chloroethane		0.217	0.201	0.213	0.222	0.212	0.226			0.215	4.1	20 (40)
Trichlorofluoromethane		0.327	0.346	0.331	0.384	0.401	0.442			0.372	12.2	20 (40)
1,1-Dichloroethene		0.221	0.215	0.212	0.235	0.239	0.254			0.229	7.2	20 (30)
Trichlorotrifluoroethane		0.130	0.140	0.129	0.157	0.169	0.184			0.152	14.8	20 (40)
Carbon Disulfide		0.759	0.697	0.686	0.738	0.715	0.772			0.728	4.7	20 (40)
Acrolein	*	0.013	0.014	0.015	0.015	0.015	0.010			0.014	15.3	20 (40)
Methylene Chloride		0.311	0.254	0.250	0.253	0.240	0.255			0.261	9.8	20 (40)
Acetone			0.031	0.027	0.026	0.026	0.025			0.027	9.3	20 (40)
Trans-1,2-Dichloroethene		0.261	0.258	0.268	0.280	0.269	0.291			0.271	4.6	20 (40)
Methyl t-Butyl Ether (MTBE)		0.358	0.370	0.387	0.397	0.385	0.407			0.384	4.6	20 (40)
1,1-Dichloroethane		0.549	0.531	0.559	0.570	0.545	0.577			0.555	3.1	20 (40)
Acrylonitrile	*	0.033	0.032	0.031	0.033	0.032	0.035			0.033	3.6	20 (40)
Cis-1,2-Dichloroethene		0.297	0.279	0.283	0.290	0.279	0.296			0.287	2.9	20 (40)
2,2-Dichloropropane		0.455	0.418	0.413	0.437	0.417	0.447			0.431	4.1	20 (40)
Bromochloromethane	*	0.094	0.090	0.092	0.095	0.093	0.098			0.094	2.7	20 (40)
Chloroform		0.496	0.497	0.495	0.496	0.476	0.501			0.493	1.8	20 (30)
Carbon Tetrachloride		0.291	0.285	0.284	0.318	0.325	0.362			0.311	9.8	20 (40)
Tetrahydrofuran (THF)	*	0.040	0.030	0.027	0.025	0.024	0.025			0.029	21.4 +	20 (40)
1,1,1-Trichloroethane		0.392	0.392	0.383	0.422	0.405	0.438			0.405	5.2	20 (40)
Methyl Ethyl Ketone			0.041	0.038	0.038	0.035	0.036			0.038	6.4	20 (40)
1,1-Dichloropropene		0.219	0.219	0.217	0.232	0.233	0.252			0.229	5.9	20 (40)
Benzene		0.709	0.684	0.702	0.718	0.693	0.740			0.708	2.8	20 (40)
1,2-Dichloroethane		0.143	0.144	0.149	0.151	0.146	0.154			0.148	3.0	20 (40)
Trichloroethene	*	0.173	0.169	0.171	0.177	0.175	0.187			0.175	3.5	20 (40)
Dibromomethane		0.057	0.053	0.055	0.057	0.056	0.060			0.056	3.9	20 (40)
1,2-dichloropropane	*	0.173	0.162	0.168	0.168	0.165	0.175			0.169	3.0	20 (30)
Bromodichloromethane	*	0.164	0.163	0.169	0.171	0.170	0.182			0.170	3.9	20 (40)
cis-1,3-Dichloropropene	*	0.210	0.206	0.216	0.221	0.220	0.236			0.218	4.8	20 (40)
Toluene		0.416	0.401	0.417	0.432	0.423	0.453			0.424	4.2	20 (30)
4-Methyl-2-Pentanone		0.059	0.051	0.052	0.053	0.053	0.055			0.054	5.0	20 (40)
Tetrachloroethene		0.123	0.117	0.119	0.129	0.130	0.139			0.126	6.3	20 (40)
trans-1,3-Dichloropropene	*	0.144	0.142	0.152	0.157	0.156	0.168			0.153	6.1	20 (40)
1,1,2-Trichloroethane	*	0.070	0.070	0.075	0.074	0.074	0.079			0.074	4.6	20 (40)
Dibromochloromethane	*	0.093	0.097	0.100	0.104	0.102	0.113			0.101	6.9	20 (40)
1,3-Dichloropropane		0.161	0.162	0.162	0.168	0.154	0.166			0.162	2.9	20 (40)
1,2-Dibromoethane	*	0.076	0.077	0.082	0.083	0.078	0.084			0.080	4.2	20 (40)
2-Hexanone			0.038	0.038	0.038	0.038	0.039			0.038	1.5	20 (40)
Chlorobenzene		0.497	0.481	0.505	0.512	0.486	0.515			0.499	2.7	20 (40)
Ethylbenzene	*	0.279	0.275	0.288	0.299	0.284	0.305			0.288	4.0	20 (30)
1,1,1,2-Tetrachloroethane		0.128	0.130	0.135	0.142	0.139	0.150			0.137	5.9	20 (40)
m&p-Xylene		0.352	0.351	0.358	0.374	0.357	0.385			0.363	3.8	20 (40)
o-Xylene		0.328	0.331	0.347	0.361	0.345	0.370			0.347	4.8	20 (40)
Styrene		0.460	0.502	0.535	0.543	0.526	0.562			0.521	6.9	20 (40)
Bromoform	*	0.036	0.035	0.037	0.041	0.043	0.048			0.040	12.6	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) %

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

FORM VI VOA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument ID: CHEM02 Calibration Date(s): 02/03/24 02/03/24

Heated Purge (Y/N):	N	Calibration Time(s):	13:46	16:08

GC Column: Method File: VT-P020324.M

LAB FILE ID:

RRF 0.5	<u>0203_07.D</u>	RRF 2	<u>0203_09.D</u>	RRF 4	<u>0203_10.D</u>	RRF 10	<u>0203_11.D</u>
RRF 20	<u>0203_12.D</u>	RRF 30	<u>0203_13.D</u>				

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) %

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

FORM VI VOA

Response Factor Report CHEM02

Method Path : H:\V2024\CHEM02\Methods\
 Method File : VT-P020324.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Feb 07 05:49:32 2024
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,g,qf) display calculated conc and corr. coefficient.)
 1A =0203_07.D 1 =0203_09.D 2 =0203_10.D 3 =0203_11.D 4 =0203_12.D 5 =0203_13.D

Compound	1A	1	2	3	4	5	Avg	%RSD
1) INT Pentafluorobenzene	-----ISTD-----							
2) T Dichlorodifluo...	0.251	0.274	0.254	0.305	0.330	0.371	0.298	15.84#
3) T Chloromethane	0.468	0.416	0.420	0.431	0.409	0.446	0.432	5.12
4) T Vinyl Chloride	0.316	0.339	0.337	0.373	0.371	0.407	0.357	9.20
5) T Bromomethane	0.127	0.145	0.159	0.177	0.173	0.187	0.161	13.76
6) T Chloroethane	0.217	0.201	0.213	0.222	0.212	0.226	0.215	4.05
7) T Trichlorofluor...	0.327	0.346	0.331	0.384	0.401	0.442	0.372	12.22
9) T 1,1-Dichloroet...	0.221	0.215	0.212	0.235	0.239	0.254	0.229	7.16
10) T Trichlorotrifl...	0.130	0.140	0.129	0.157	0.169	0.184	0.152	14.81
11) T Carbon Disulfide	0.759	0.697	0.686	0.738	0.715	0.772	0.728	4.71
12) T Acrolein	0.013	0.014	0.015	0.015	0.015	0.010	0.014	15.34#
13) T Methylene Chlo...	0.311	0.254	0.250	0.253	0.240	0.255	0.261	9.77
14) T Acetone		0.031	0.027	0.026	0.026	0.025	0.027	9.29
15) T Trans-1,2-Dich...	0.261	0.258	0.268	0.280	0.269	0.291	0.271	4.55
17) T Methyl t-Butyl...	0.358	0.370	0.387	0.397	0.385	0.407	0.384	4.61
19) T 1,1-Dichloroet...	0.549	0.531	0.559	0.570	0.545	0.577	0.555	3.09
20) T Acrylonitrile	0.033	0.032	0.031	0.033	0.032	0.035	0.033	3.61
23) T Cis-1,2-Dichlo...	0.297	0.279	0.283	0.290	0.279	0.296	0.287	2.85
24) T 2,2-Dichloropr...	0.455	0.418	0.413	0.437	0.417	0.447	0.431	4.07
25) T Bromochloromet...	0.094	0.090	0.092	0.095	0.093	0.098	0.094	2.72
27) T Chloroform	0.496	0.497	0.495	0.496	0.476	0.501	0.493	1.81
28) T Carbon Tetrach...	0.291	0.285	0.284	0.318	0.325	0.362	0.311	9.79
29) T Tetrahydrofura...	0.040	0.030	0.027	0.025	0.024	0.025	0.029#	21.42#
30) T 1,1,1-Trichlor...	0.392	0.392	0.383	0.422	0.405	0.438	0.405	5.22
31) SURR% Dibromofluor...	0.079	0.079	0.080	0.078	0.078	0.077	0.079	1.36
32) T Methyl Ethyl K...		0.041	0.038	0.038	0.035	0.036	0.038	6.44
33) INT 1,4-Difluorobenzene	-----ISTD-----							
34) T 1,1-Dichloropr...	0.219	0.219	0.217	0.232	0.233	0.252	0.229	5.88
35) T Benzene	0.709	0.684	0.702	0.718	0.693	0.740	0.708	2.78
37) T 1,2-Dichloroet...	0.143	0.144	0.149	0.151	0.146	0.154	0.148	3.01
39) T Trichloroethene	0.173	0.169	0.171	0.177	0.175	0.187	0.175	3.51
40) T Dibromomethane	0.057	0.053	0.055	0.057	0.056	0.060	0.056#	3.87
41) T 1,2-dichloropr...	0.173	0.162	0.168	0.168	0.165	0.175	0.169	2.99
42) T Bromodichlorom...	0.164	0.163	0.169	0.171	0.170	0.182	0.170#	3.94
43) T cis-1,3-Dichlo...	0.210	0.206	0.216	0.221	0.220	0.236	0.218	4.84
44) T Toluene	0.416	0.401	0.417	0.432	0.423	0.453	0.424	4.18
45) SURR% Toluene-d8	1.207	1.207	1.222	1.231	1.249	1.251	1.228	1.57
46) T 4-Methyl-2-Pen...	0.059	0.051	0.052	0.053	0.053	0.055	0.054#	5.04
47) T Tetrachloroethene	0.123	0.117	0.119	0.129	0.130	0.139	0.126	6.30
48) T trans-1,3-Dich...	0.144	0.142	0.152	0.157	0.156	0.168	0.153	6.05
49) T 1,1,2-Trichlor...	0.070	0.070	0.075	0.074	0.074	0.079	0.074#	4.62
50) INT Chlorobenzene-d5	-----ISTD-----							
51) T Dibromochlorom...	0.093	0.097	0.100	0.104	0.102	0.113	0.101	6.90
52) T 1,3-Dichloropr...	0.161	0.162	0.162	0.168	0.154	0.166	0.162	2.86
53) T 1,2-Dibromoethane	0.076	0.077	0.082	0.083	0.078	0.084	0.080	4.22
54) T 2-Hexanone		0.038	0.038	0.038	0.038	0.039	0.038	1.53
55) T Chlorobenzene	0.497	0.481	0.505	0.512	0.486	0.515	0.499#	2.74
56) T Ethylbenzene	0.279	0.275	0.288	0.299	0.284	0.305	0.288	4.04
57) T 1,1,1,2-Tetrac...	0.128	0.130	0.135	0.142	0.139	0.150	0.137	5.91
58) T m&p-Xylene	0.352	0.351	0.358	0.374	0.357	0.385	0.363	3.78
59) T o-Xylene	0.328	0.331	0.347	0.361	0.345	0.370	0.347	4.80
60) T Styrene	0.460	0.502	0.535	0.543	0.526	0.562	0.521	6.90
61) T Bromoform	0.036	0.035	0.037	0.041	0.043	0.048	0.040#	12.56
62) SURR% Bromofluorob...	0.500	0.506	0.508	0.505	0.508	0.512	0.506	0.79
63) INT 1,4-Dichlorobenzen...	-----ISTD-----							
64) SURR% 1,2-dichloro...	0.822	0.826	0.835	0.837	0.834	0.838	0.832	0.78

Response Factor Report CHEM02

Method	Path : H:\V2024\CHEM02\Methods\
Method	File : VT-P020324.M
65) T	Isopropylbenzene 0.397 0.416 0.421 0.450 0.436 0.474 0.432 6.24
66) T	Bromobenzene 0.300 0.310 0.325 0.330 0.323 0.344 0.322 4.80
67) T	n-Propylbenzene 0.439 0.426 0.438 0.471 0.447 0.490 0.452 5.27
68) T	1,1,2,2-Tetrac... 0.152 0.144 0.153 0.155 0.151 0.160 0.152# 3.49
69) T	2-Chlorotoluene 0.370 0.371 0.386 0.400 0.384 0.416 0.388 4.50
70) T	1,3,5-Trimethy... 1.338 1.320 1.390 1.452 1.383 1.504 1.398 4.96
71) T	1,2,3-Trichlor... 0.125 0.128 0.127 0.131 0.127 0.134 0.129 2.70
72) T	trans-1,4-Dich... 0.042 0.047 0.050 0.055 0.056 0.063 0.052 14.37
73) T	4-Chlorotoluene 0.370 0.378 0.404 0.409 0.390 0.423 0.396 5.12
74) T	tert-Butylbenzene 1.092 1.111 1.141 1.227 1.173 1.290 1.173 6.37
75) T	1,2,4-Trimethy... 1.295 1.360 1.429 1.491 1.401 1.527 1.417 6.00
76) T	sec-Butylbenzene 1.587 1.649 1.679 1.832 1.754 1.916 1.736 7.06
77) T	p-Isopropyltol... 1.375 1.443 1.494 1.616 1.535 1.678 1.523 7.31
78) T	1,3-Dichlorobe... 0.706 0.686 0.713 0.727 0.688 0.738 0.710 2.96
79) T	1,4-Dichlorobe... 0.659 0.653 0.676 0.701 0.664 0.714 0.678 3.61
81) T	2-Isopropyltol... 1.374 1.386 1.419 1.505 1.425 1.547 1.443 4.76
82) T	n-Butylbenzene 1.221 1.331 1.351 1.486 1.416 1.542 1.391 8.29
83) T	1,2-Dichlorobe... 0.562 0.553 0.573 0.596 0.563 0.606 0.576 3.63
84) T	1,2-Dibromo-3-... 0.013 0.014 0.019 0.021 0.021 0.023 0.019 21.96#
85) T	Hexachlorobuta... 0.160 0.163 0.167 0.183 0.174 0.191 0.173 7.05
86) T	1,2,4-Trichlor... 0.315 0.331 0.337 0.353 0.339 0.360 0.339 4.75
87) T	Naphthalene 0.451 0.487 0.531 0.557 0.545 0.582 0.525 9.21
88) T	1,2,3-Trichlor... 0.237 0.248 0.268 0.278 0.266 0.287 0.264 7.02

89) INT 1,4-Dioxane d8 -----ISTD-----

(#,\$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_07.D
 Acq On : 3 Feb 2024 1:46 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD VOA14L 02/03 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:29:42 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.819	168	288441	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	469419	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	395353	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	222375	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	22212	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	22866	10.145	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.40%		
45) % Toluene-d8	5.132	98	566442	9.805	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.10%		
62) % Bromofluorobenzene	7.167	95	197734	9.910	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.10%		
64) % 1,2-dichlorobenzene-d4	8.155	152	182856	9.825	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.20%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	3621	0.412	ug/l	95
3) Chloromethane	1.262	50	6751	0.543	ug/l	99
4) Vinyl Chloride	1.303	62	4556	0.424	ug/l	99
5) Bromomethane	1.492	94	1837	0.360	ug/l	98
6) Chloroethane	1.565	64	3126	0.488	ug/l	100
7) Trichlorofluoromethane	1.649	101	4710	0.425	ug/l	99
9) 1,1-Dichloroethene	1.968	96	3186	0.470	ug/l	96
10) Trichlorotrifluoroethane	1.994	151	1878	0.415	ug/l	95
11) Carbon Disulfide	1.994	76	10945	0.514	ug/l	97
12) Acrolein	2.182	56	962	2.227	ug/l	71
13) Methylene Chloride	2.344	84	4491	0.616	ug/l	90
14) Acetone	2.370	43	930	1.246	ug/l	74
15) Trans-1,2-Dichloroethene	2.459	96	3769	0.467	ug/l	97
17) Methyl t-Butyl Ether (...)	2.533	73	5161	0.451	ug/l	95
19) 1,1-Dichloroethane	2.862	63	7918	0.481	ug/l	92
20) Acrylonitrile	2.883	53	475	0.495	ug/l#	61
23) Cis-1,2-Dichloroethene	3.212	96	4283	0.513	ug/l	98
24) 2,2-Dichloropropane	3.286	77	6556	0.520	ug/l	99
25) Bromochloromethane	3.343	128	1357	0.495	ug/l	89
27) Chloroform	3.390	83	7150	0.500	ug/l	95
28) Carbon Tetrachloride	3.495	117	4196	0.458	ug/l	100
29) Tetrahydrofuran (THF)	3.511	42	1454	2.014	ug/l	85
30) 1,1,1-Trichloroethane	3.537	97	5647	0.464	ug/l	98
32) Methyl Ethyl Ketone	3.505	43	383	0.346	ug/l	88
34) 1,1-Dichloropropene	3.615	75	5134	0.472	ug/l	98
35) Benzene	3.777	78	16645	0.494	ug/l	98
37) 1,2-Dichloroethane	3.908	62	3349	0.471	ug/l	79
39) Trichloroethene	4.170	130	4065	0.490	ug/l#	1
40) Dibromomethane	4.452	93	1343	0.501	ug/l	97
41) 1,2-dichloropropane	4.520	63	4072	0.516	ug/l	86
42) Bromodichloromethane	4.562	83	3850	0.479	ug/l	98
43) cis-1,3-Dichloropropene	5.001	75	4937	0.477	ug/l	97
44) Toluene	5.169	92	9775	0.482	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	1380	0.552	ug/l	68
47) Tetrachloroethene	5.446	164	2877	0.477	ug/l	91
48) trans-1,3-Dichloropropene	5.456	75	3390	0.459	ug/l	94
49) 1,1,2-Trichloroethane	5.571	97	1636	0.469	ug/l	96

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_07.D
 Acq On : 3 Feb 2024 1:46 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD VOA14L 02/03 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:29:42 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:01 2024
 Response via : Initial Calibration

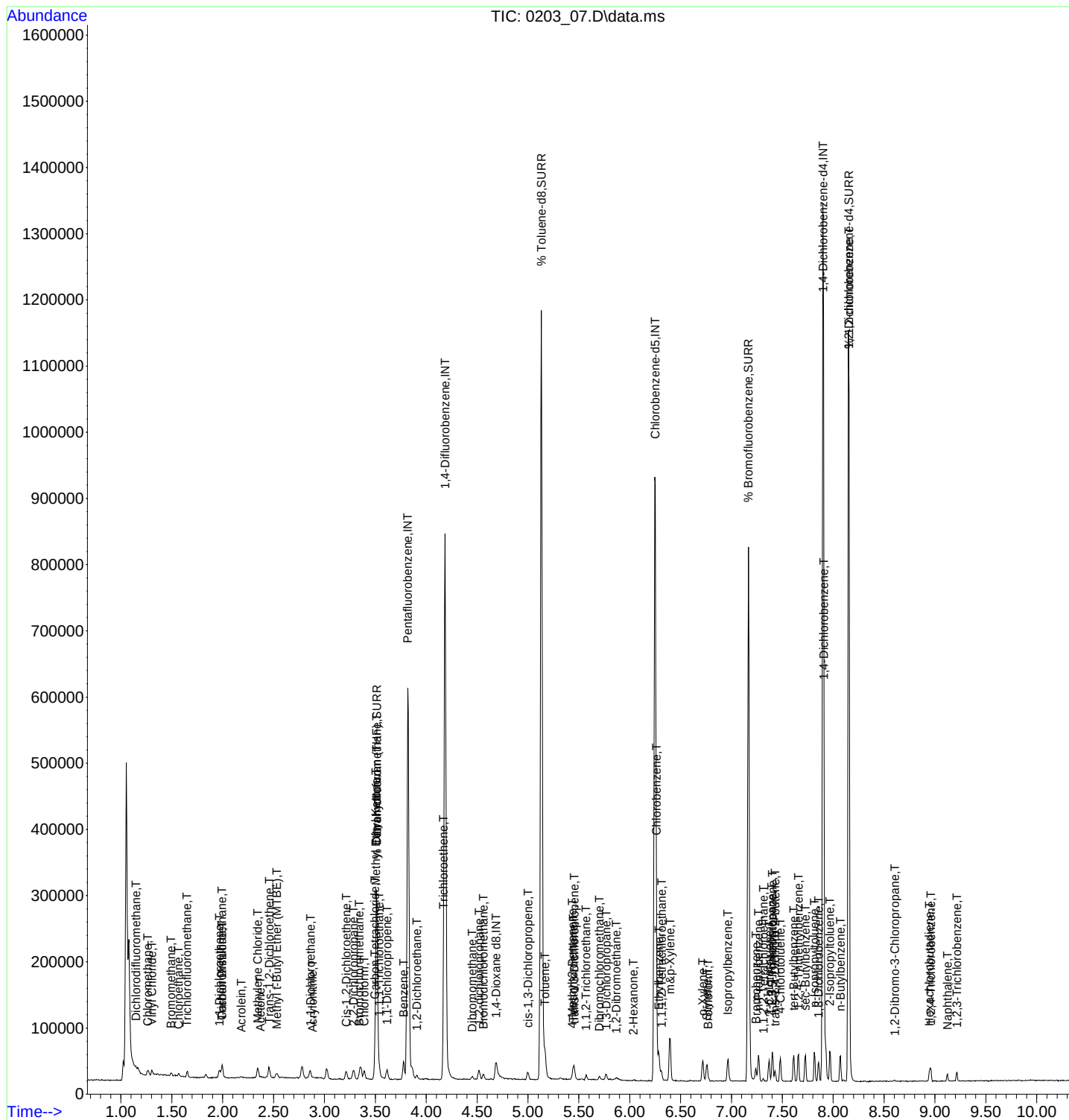
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	1836	0.446	ug/l	94
52) 1,3-Dichloropropane	5.770	76	3186	0.480	ug/l	96
53) 1,2-Dibromoethane	5.869	107	1506	0.457	ug/l	78
54) 2-Hexanone	6.037	43	1266	0.839	ug/l	84
55) Chlorobenzene	6.262	112	9817	0.485	ug/l	94
56) Ethylbenzene	6.288	106	5525	0.468	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.314	131	2528	0.451	ug/l#	68
58) m&p-Xylene	6.398	106	13914	0.940	ug/l	97
59) o-Xylene	6.717	106	6475	0.454	ug/l	96
60) Styrene	6.759	104	9098	0.423	ug/l	98
61) Bromoform	6.769	173	713	0.436	ug/l	76
65) Isopropylbenzene	6.963	120	4419	0.442	ug/l	98
66) Bromobenzene	7.240	156	3335	0.455	ug/l	87
67) n-Propylbenzene	7.266	120	4883	0.467	ug/l	94
68) 1,1,2,2-Tetrachloroethane	7.313	83	1693	0.492	ug/l	92
69) 2-Chlorotoluene	7.371	126	4117	0.463	ug/l#	78
70) 1,3,5-Trimethylbenzene	7.402	105	14881	0.461	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	1387	0.475	ug/l	85
72) trans-1,4-Dichloro-2-b...	7.428	75	2327	1.895	ug/l	89
73) 4-Chlorotoluene	7.480	126	4111	0.452	ug/l	90
74) tert-Butylbenzene	7.611	119	12147	0.445	ug/l	95
75) 1,2,4-Trimethylbenzene	7.658	105	14396	0.434	ug/l	100
76) sec-Butylbenzene	7.726	105	17648	0.433	ug/l	96
77) p-Isopropyltoluene	7.815	119	15283	0.425	ug/l	98
78) 1,3-Dichlorobenzene	7.857	146	7853	0.486	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	7323m	0.470	ug/l	98
81) 2-Isopropyltoluene	7.967	119	15282	0.457	ug/l	99
82) n-Butylbenzene	8.071	91	13578	0.411	ug/l	97
83) 1,2-Dichlorobenzene	8.155	146	6246	0.471	ug/l#	72
84) 1,2-Dibromo-3-Chloropr...	8.605	155	144	0.308	ug/l	78
85) Hexachlorobutadiene	8.945	225	1781	0.436	ug/l	92
86) 1,2,4-Trichlorobenzene	8.960	180	3500	0.446	ug/l	96
87) Naphthalene	9.123	128	5009	0.405	ug/l	94
88) 1,2,3-Trichlorobenzene	9.217	180	2638	0.426	ug/l	94

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

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Data Path : H:\V2024\CHEM02\02FEB\020324\  
Data File : 0203_07.D  
Acq On : 3 Feb 2024 1:46 pm  
Operator :  
Client ID : BFB TUNE  
Lab ID : VOA 0.5 PPB STD VOA14L 02/03 JP  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Feb 06 08:29:42 2024
Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Sat Feb 03 16:21:01 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_09.D
 Acq On : 3 Feb 2024 2:34 pm
 Operator :
 Client ID : ICAL 2
 Lab ID : VOA 2 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 16:21:20 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	307227	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.190	114	498838	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	416636	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	235785	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	23259	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	24287	10.116	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.20%		
45) % Toluene-d8	5.132	98	602155	9.809	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.10%		
62) % Bromofluorobenzene	7.166	95	210712	10.021	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.20%		
64) % 1,2-dichlorobenzene-d4	8.155	152	194704	9.866	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.70%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	16847	1.843	ug/l	97
3) Chloromethane	1.267	50	25551	1.927	ug/l	98
4) Vinyl Chloride	1.309	62	20840	1.900	ug/l	97
5) Bromomethane	1.497	94	8885	1.794	ug/l	100
6) Chloroethane	1.570	64	12355	1.870	ug/l	97
7) Trichlorofluoromethane	1.659	101	21275	1.863	ug/l	99
9) 1,1-Dichloroethene	1.973	96	13187	1.871	ug/l	96
10) Trichlorotrifluoroethane	1.999	151	8590	1.845	ug/l	97
11) Carbon Disulfide	1.999	76	42807	1.915	ug/l	98
12) Acrolein	2.182	56	4300	10.193	ug/l	81
13) Methylene Chloride	2.349	84	15607	1.950	ug/l	89
14) Acetone	2.381	43	1907	2.310	ug/l	96
15) Trans-1,2-Dichloroethene	2.459	96	15873	1.904	ug/l	95
17) Methyl t-Butyl Ether (...)	2.533	73	22749	1.928	ug/l	98
19) 1,1-Dichloroethane	2.862	63	32617	1.913	ug/l	99
20) Acrylonitrile	2.888	53	1996	1.982	ug/l	87
23) Cis-1,2-Dichloroethene	3.218	96	17116	1.939	ug/l	97
24) 2,2-Dichloropropane	3.291	77	25669	1.937	ug/l	99
25) Bromochloromethane	3.348	128	5541	1.925	ug/l	91
27) Chloroform	3.395	83	30553	2.016	ug/l	97
28) Carbon Tetrachloride	3.495	117	17512	1.835	ug/l	99
29) Tetrahydrofuran (THF)	3.516	42	4551	5.195	ug/l	93
30) 1,1,1-Trichloroethane	3.537	97	24061	1.932	ug/l	98
32) Methyl Ethyl Ketone	3.594	43	2538	2.190	ug/l	72
34) 1,1-Dichloropropene	3.620	75	21815	1.914	ug/l	98
35) Benzene	3.783	78	68272	1.934	ug/l	99
37) 1,2-Dichloroethane	3.913	62	14369	1.949	ug/l	97
39) Trichloroethene	4.175	130	16866	1.929	ug/l#	62
40) Dibromomethane	4.452	93	5301	1.884	ug/l	95
41) 1,2-dichloropropane	4.520	63	16119	1.917	ug/l	98
42) Bromodichloromethane	4.567	83	16291	1.922	ug/l	98
43) cis-1,3-Dichloropropene	5.001	75	20513	1.886	ug/l	100
44) Toluene	5.169	92	39984	1.891	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	5102	1.897	ug/l	93
47) Tetrachloroethene	5.446	164	11686	1.860	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	14176	1.855	ug/l	99
49) 1,1,2-Trichloroethane	5.577	97	6958	1.896	ug/l	94

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_09.D
 Acq On : 3 Feb 2024 2:34 pm
 Operator :
 Client ID : ICAL 2
 Lab ID : VOA 2 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 16:21:20 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:06 2024
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	Dibromochloromethane	5.702	129	8049	1.905	ug/l	100
52)	1,3-Dichloropropane	5.770	76	13526	2.001	ug/l	97
53)	1,2-Dibromoethane	5.875	107	6454	1.930	ug/l	100
54)	2-Hexanone	6.042	43	3127	1.973	ug/l	93
55)	Chlorobenzene	6.262	112	40089	1.927	ug/l	94
56)	Ethylbenzene	6.288	106	22911	1.907	ug/l	98
57)	1,1,1,2-Tetrachloroethane	6.314	131	10844	1.893	ug/l	91
58)	m&p-Xylene	6.398	106	58523	3.869	ug/l	99
59)	o-Xylene	6.722	106	27541	1.905	ug/l	97
60)	Styrene	6.759	104	41816	1.925	ug/l	98
61)	Bromofom	6.774	173	2928	1.754	ug/l	93
65)	Isopropylbenzene	6.968	120	19624	1.925	ug/l	98
66)	Bromobenzene	7.240	156	14627	1.927	ug/l	91
67)	n-Propylbenzene	7.266	120	20106	1.888	ug/l	89
68)	1,1,2,2-Tetrachloroethane	7.313	83	6770	1.885	ug/l	97
69)	2-Chlorotoluene	7.370	126	17518	1.915	ug/l	84
70)	1,3,5-Trimethylbenzene	7.402	105	62253	1.889	ug/l	99
71)	1,2,3-Trichloropropane	7.402	75	6053	1.992	ug/l#	80
72)	trans-1,4-Dichloro-2-b...	7.428	75	10983	8.954	ug/l	85
73)	4-Chlorotoluene	7.480	126	17810	1.909	ug/l	89
74)	tert-Butylbenzene	7.611	119	52408	1.896	ug/l	96
75)	1,2,4-Trimethylbenzene	7.658	105	64119	1.919	ug/l	100
76)	sec-Butylbenzene	7.726	105	77745	1.899	ug/l	97
77)	p-Isopropyltoluene	7.815	119	68046	1.894	ug/l	99
78)	1,3-Dichlorobenzene	7.857	146	32329	1.932	ug/l	99
79)	1,4-Dichlorobenzene	7.909	146	30800	1.927	ug/l	94
81)	2-Isopropyltoluene	7.967	119	65368	1.921	ug/l	99
82)	n-Butylbenzene	8.071	91	62753	1.913	ug/l	97
83)	1,2-Dichlorobenzene	8.160	146	26097	1.923	ug/l	93
84)	1,2-Dibromo-3-Chloropr...	8.605	155	677	1.540	ug/l	94
85)	Hexachlorobutadiene	8.945	225	7664	1.878	ug/l	98
86)	1,2,4-Trichlorobenzene	8.960	180	15592	1.950	ug/l	96
87)	Naphthalene	9.123	128	22956	1.854	ug/l	98
88)	1,2,3-Trichlorobenzene	9.217	180	11704	1.879	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

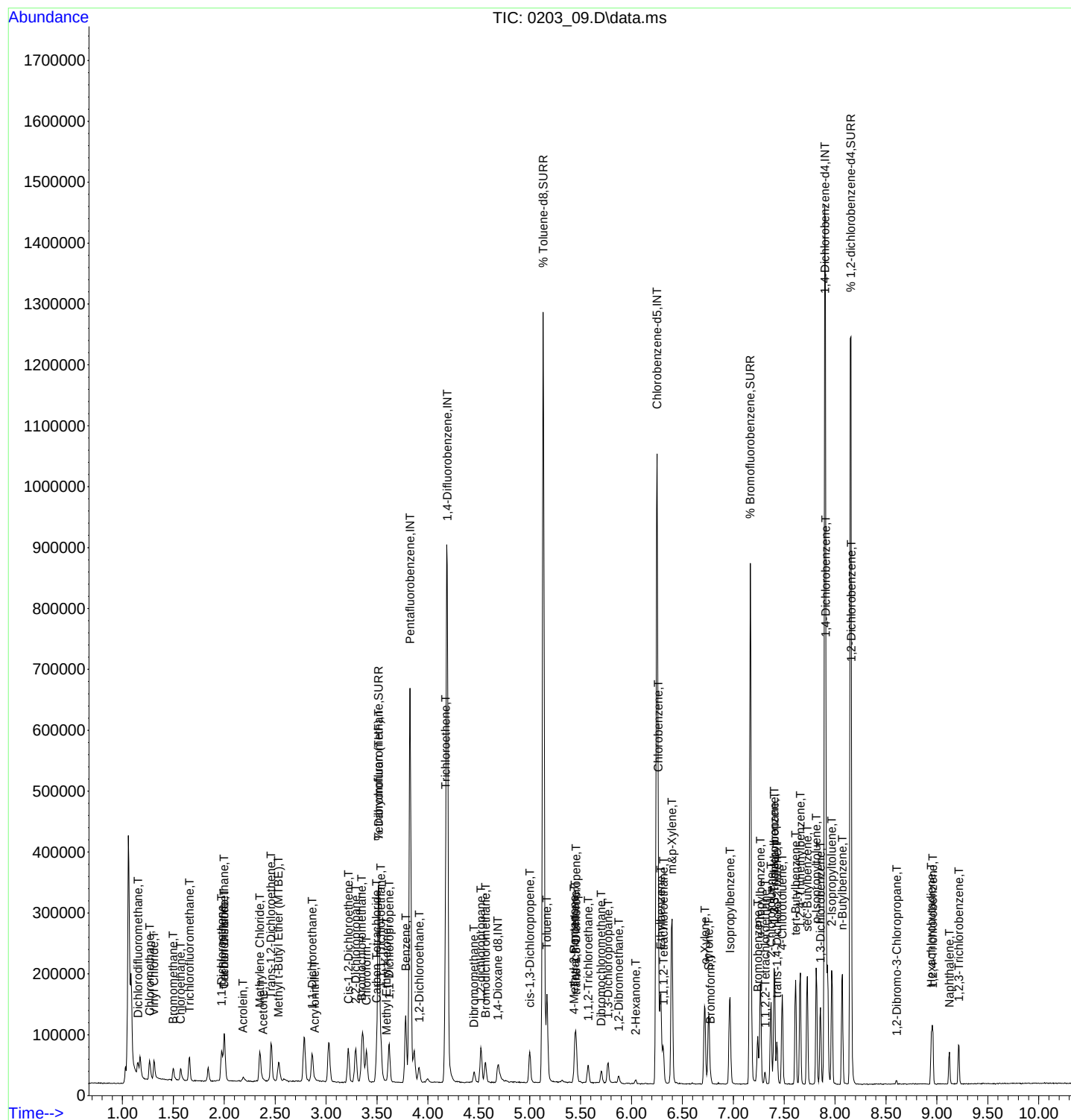
Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\V2024\CHEM02\02FEB\020324\
Data File   : 0203_09.D
Acq On      : 3 Feb 2024    2:34 pm
Operator    :
Client ID   : ICAL 2
Lab ID      : VOA 2 PPB STD
ALS Vial    : 1    Sample Multiplier: 1

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Quant Time: Feb 03 16:21:20 2024
Quant Method : H:\2024\CHEM02\METHODS\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Sat Feb 03 16:21:06 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_10.D
 Acq On : 3 Feb 2024 2:57 pm
 Operator :
 Client ID : ICAL 4
 Lab ID : VOA 4 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 16:21:22 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	301494	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	489530	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	413147	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	234611	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	24423	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	24192	10.269	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.70%	
45) % Toluene-d8	5.132	98	598289	9.931	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.30%	
62) % Bromofluorobenzene	7.167	95	209679	10.056	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.60%	
64) % 1,2-dichlorobenzene-d4	8.155	152	195835	9.973	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	30637	3.415	ug/l	100
3) Chloromethane	1.267	50	50683	3.895	ug/l	98
4) Vinyl Chloride	1.309	62	40590	3.770	ug/l	96
5) Bromomethane	1.497	94	19169	3.943	ug/l	97
6) Chloroethane	1.570	64	25633	3.953	ug/l	94
7) Trichlorofluoromethane	1.654	101	39898	3.560	ug/l	100
9) 1,1-Dichloroethene	1.973	96	25554	3.695	ug/l	98
10) Trichlorotrifluoroethane	1.999	151	15548	3.402	ug/l	95
11) Carbon Disulfide	1.999	76	82703	3.770	ug/l	98
12) Acrolein	2.187	56	9132	22.059	ug/l	94
13) Methylene Chloride	2.350	84	30145	3.838	ug/l	91
14) Acetone	2.381	43	3280	4.048	ug/l	94
15) Trans-1,2-Dichloroethene	2.459	96	32337	3.953	ug/l	98
17) Methyl t-Butyl Ether (...)	2.533	73	46663	4.030	ug/l	100
19) 1,1-Dichloroethane	2.862	63	67357	4.025	ug/l	100
20) Acrylonitrile	2.888	53	3734	3.778	ug/l	98
23) Cis-1,2-Dichloroethene	3.218	96	34179	3.945	ug/l	98
24) 2,2-Dichloropropane	3.291	77	49823	3.832	ug/l	98
25) Bromochloromethane	3.349	128	11118	3.936	ug/l	90
27) Chloroform	3.396	83	59649	4.010	ug/l	97
28) Carbon Tetrachloride	3.495	117	34243	3.656	ug/l	99
29) Tetrahydrofuran (THF)	3.516	42	8072	9.390	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	46208	3.782	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	4575	4.023	ug/l	76
34) 1,1-Dichloropropene	3.620	75	42478	3.797	ug/l	96
35) Benzene	3.783	78	137549	3.970	ug/l	100
37) 1,2-Dichloroethane	3.913	62	29141	4.027	ug/l	96
39) Trichloroethene	4.175	130	33523	3.907	ug/l#	82
40) Dibromomethane	4.452	93	10823	3.919	ug/l	95
41) 1,2-dichloropropane	4.520	63	32944	3.993	ug/l	96
42) Bromodichloromethane	4.567	83	33170	3.987	ug/l	98
43) cis-1,3-Dichloropropene	5.001	75	42201	3.953	ug/l	99
44) Toluene	5.169	92	81718	3.939	ug/l	100
46) 4-Methyl-2-Pentanone	5.435	43	10272	3.892	ug/l	96
47) Tetrachloroethene	5.446	164	23343	3.785	ug/l	96
48) trans-1,3-Dichloropropene	5.462	75	29804	3.974	ug/l	98
49) 1,1,2-Trichloroethane	5.571	97	14632	4.062	ug/l	91

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_10.D
 Acq On : 3 Feb 2024 2:57 pm
 Operator :
 Client ID : ICAL 4
 Lab ID : VOA 4 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 16:21:22 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	16491	3.936	ug/l	97
52) 1,3-Dichloropropane	5.770	76	26776	3.995	ug/l	96
53) 1,2-Dibromoethane	5.875	107	13581	4.095	ug/l	87
54) 2-Hexanone	6.037	43	6290	4.002	ug/l	98
55) Chlorobenzene	6.262	112	83444	4.045	ug/l	97
56) Ethylbenzene	6.288	106	47521	3.990	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.309	131	22382	3.941	ug/l	95
58) m&p-Xylene	6.398	106	118397	7.894	ug/l	99
59) o-Xylene	6.717	106	57346	4.001	ug/l	99
60) Styrene	6.759	104	88368	4.102	ug/l	99
61) Bromoform	6.774	173	6097	3.683	ug/l	97
65) Isopropylbenzene	6.968	120	39541	3.898	ug/l	98
66) Bromobenzene	7.240	156	30465	4.033	ug/l	92
67) n-Propylbenzene	7.266	120	41094	3.877	ug/l	89
68) 1,1,2,2-Tetrachloroethane	7.313	83	14361	4.018	ug/l	99
69) 2-Chlorotoluene	7.371	126	36260	3.983	ug/l#	83
70) 1,3,5-Trimethylbenzene	7.402	105	130417	3.977	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	11940	3.948	ug/l	87
72) trans-1,4-Dichloro-2-b...	7.428	75	23279	19.074	ug/l	86
73) 4-Chlorotoluene	7.480	126	37934	4.086	ug/l	95
74) tert-Butylbenzene	7.611	119	107106	3.894	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	134074	4.033	ug/l	99
76) sec-Butylbenzene	7.726	105	157543	3.867	ug/l	97
77) p-Isopropyltoluene	7.815	119	140204	3.923	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	66884	4.017	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	63412	3.988	ug/l	97
81) 2-Isopropyltoluene	7.967	119	133145	3.933	ug/l	99
82) n-Butylbenzene	8.071	91	126808	3.885	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	53783	3.982	ug/l	97
84) 1,2-Dibromo-3-Chloropr...	8.605	155	1795	4.104	ug/l	89
85) Hexachlorobutadiene	8.945	225	15710	3.869	ug/l	98
86) 1,2,4-Trichlorobenzene	8.961	180	31669	3.980	ug/l	95
87) Naphthalene	9.123	128	49795	4.041	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	25148	4.058	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

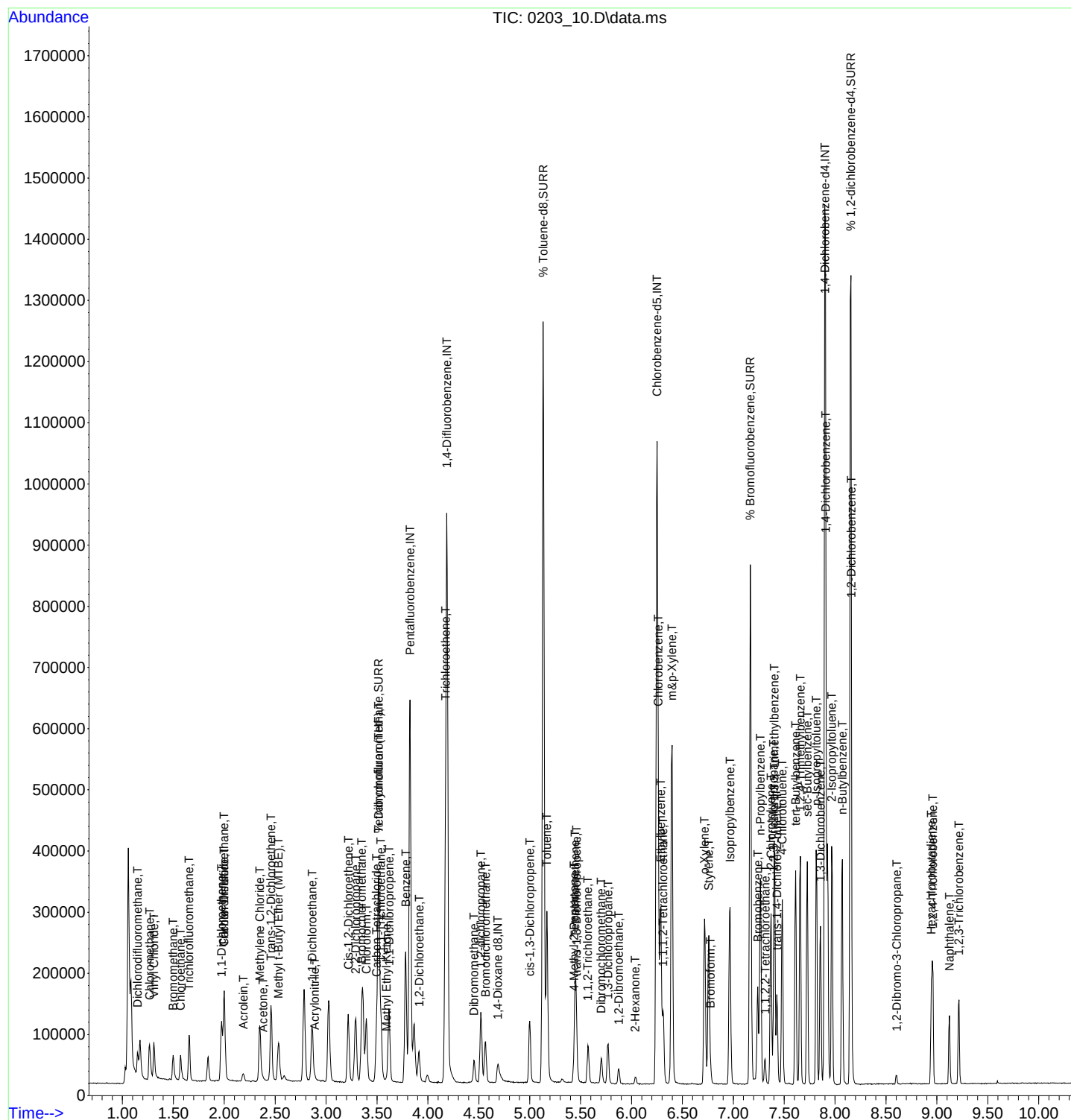
Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\V2024\CHEM02\02FEB\020324\
Data File   : 0203_10.D
Acq On      : 3 Feb 2024    2:57 pm
Operator    :
Client ID   : ICAL 4
Lab ID      : VOA 4 PPB STD
ALS Vial    : 1    Sample Multiplier: 1

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Quant Time: Feb 03 16:21:22 2024
Quant Method : H:\2024\CHEM02\METHODS\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Sat Feb 03 16:21:06 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_11.D
 Acq On : 3 Feb 2024 3:21 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : VOA 10 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:31:06 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:30:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	289997	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	473758	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	402936	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	228717	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	22295	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	22661	9.936	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.40%		
45) % Toluene-d8	5.132	98	583044	10.025	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.20%		
62) % Bromofluorobenzene	7.167	95	203364	9.968	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.70%		
64) % 1,2-dichlorobenzene-d4	8.155	152	191427	10.060	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.60%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	88456	10.251	ug/l	100
3) Chloromethane	1.267	50	124928	9.981	ug/l	100
4) Vinyl Chloride	1.309	62	108102	10.439	ug/l	98
5) Bromomethane	1.497	94	51242	10.959	ug/l	98
6) Chloroethane	1.570	64	64387	10.323	ug/l	95
7) Trichlorofluoromethane	1.654	101	111342	10.328	ug/l	99
9) 1,1-Dichloroethene	1.973	96	68194	10.252	ug/l	100
10) Trichlorotrifluoroethane	1.999	151	45523	10.357	ug/l	97
11) Carbon Disulfide	1.999	76	214028	10.142	ug/l	99
12) Acrolein	2.187	56	21719	54.543	ug/l	95
13) Methylene Chloride	2.350	84	73242	9.694	ug/l	90
14) Acetone	2.376	43	7503	9.628	ug/l	100
15) Trans-1,2-Dichloroethene	2.459	96	81164	10.314	ug/l	97
17) Methyl t-Butyl Ether (...)	2.533	73	115168	10.341	ug/l	99
19) 1,1-Dichloroethane	2.862	63	165360	10.273	ug/l	99
20) Acrylonitrile	2.888	53	9639	10.138	ug/l	95
23) Cis-1,2-Dichloroethene	3.218	96	83971	10.076	ug/l	98
24) 2,2-Dichloropropane	3.291	77	126829	10.142	ug/l	98
25) Bromochloromethane	3.349	128	27581	10.152	ug/l	93
27) Chloroform	3.396	83	143800	10.051	ug/l	99
28) Carbon Tetrachloride	3.495	117	92096	10.223	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	18147	21.946	ug/l	96
30) 1,1,1-Trichloroethane	3.537	97	122368	10.411	ug/l	99
32) Methyl Ethyl Ketone	3.600	43	11114	10.162	ug/l	85
34) 1,1-Dichloropropene	3.621	75	109800	10.142	ug/l	98
35) Benzene	3.783	78	340070	10.143	ug/l	100
37) 1,2-Dichloroethane	3.913	62	71710	10.240	ug/l	97
39) Trichloroethene	4.175	130	83730	10.084	ug/l	95
40) Dibromomethane	4.452	93	27072	10.129	ug/l	97
41) 1,2-dichloropropane	4.520	63	79704	9.981	ug/l	97
42) Bromodichloromethane	4.562	83	81153	10.079	ug/l	98
43) cis-1,3-Dichloropropene	5.001	75	104530	10.118	ug/l	100
44) Toluene	5.169	92	204649	10.193	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	25251	9.886	ug/l	98
47) Tetrachloroethene	5.446	164	60891	10.202	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	74469	10.261	ug/l	97
49) 1,1,2-Trichloroethane	5.571	97	35237	10.108	ug/l	88

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_11.D
 Acq On : 3 Feb 2024 3:21 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : VOA 10 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:31:06 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:30:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	41989	10.275	ug/l	98
52) 1,3-Dichloropropane	5.770	76	67649	10.349	ug/l	98
53) 1,2-Dibromoethane	5.875	107	33570	10.379	ug/l	98
54) 2-Hexanone	6.037	43	15373	10.029	ug/l	96
55) Chlorobenzene	6.262	112	206236	10.252	ug/l	97
56) Ethylbenzene	6.288	106	120443	10.368	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.314	131	57173	10.322	ug/l	96
58) m&p-Xylene	6.398	106	301611	20.619	ug/l	100
59) o-Xylene	6.722	106	145302	10.394	ug/l	98
60) Styrene	6.759	104	218966	10.422	ug/l	98
61) Bromoform	6.774	173	16668	10.323	ug/l	99
65) Isopropylbenzene	6.968	120	102931	10.408	ug/l	98
66) Bromobenzene	7.240	156	75441	10.245	ug/l	90
67) n-Propylbenzene	7.266	120	107640	10.418	ug/l	90
68) 1,1,2,2-Tetrachloroethane	7.308	83	35399	10.158	ug/l	99
69) 2-Chlorotoluene	7.371	126	91441	10.304	ug/l	85
70) 1,3,5-Trimethylbenzene	7.402	105	332111	10.388	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	30056	10.195	ug/l	85
72) trans-1,4-Dichloro-2-b...	7.428	75	63159	53.085	ug/l	85
73) 4-Chlorotoluene	7.480	126	93616	10.344	ug/l	94
74) tert-Butylbenzene	7.611	119	280535	10.461	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	341009	10.522	ug/l	99
76) sec-Butylbenzene	7.726	105	419095	10.553	ug/l	97
77) p-Isopropyltoluene	7.815	119	369717	10.611	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	166319	10.246	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	160228	10.337	ug/l	100
81) 2-Isopropyltoluene	7.967	119	344215	10.431	ug/l	100
82) n-Butylbenzene	8.071	91	339906	10.683	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	136412	10.361	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.600	155	4814	11.289	ug/l	84
85) Hexachlorobutadiene	8.945	225	41967	10.603	ug/l	99
86) 1,2,4-Trichlorobenzene	8.961	180	80723	10.407	ug/l	95
87) Naphthalene	9.123	128	127363	10.602	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	63635	10.534	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

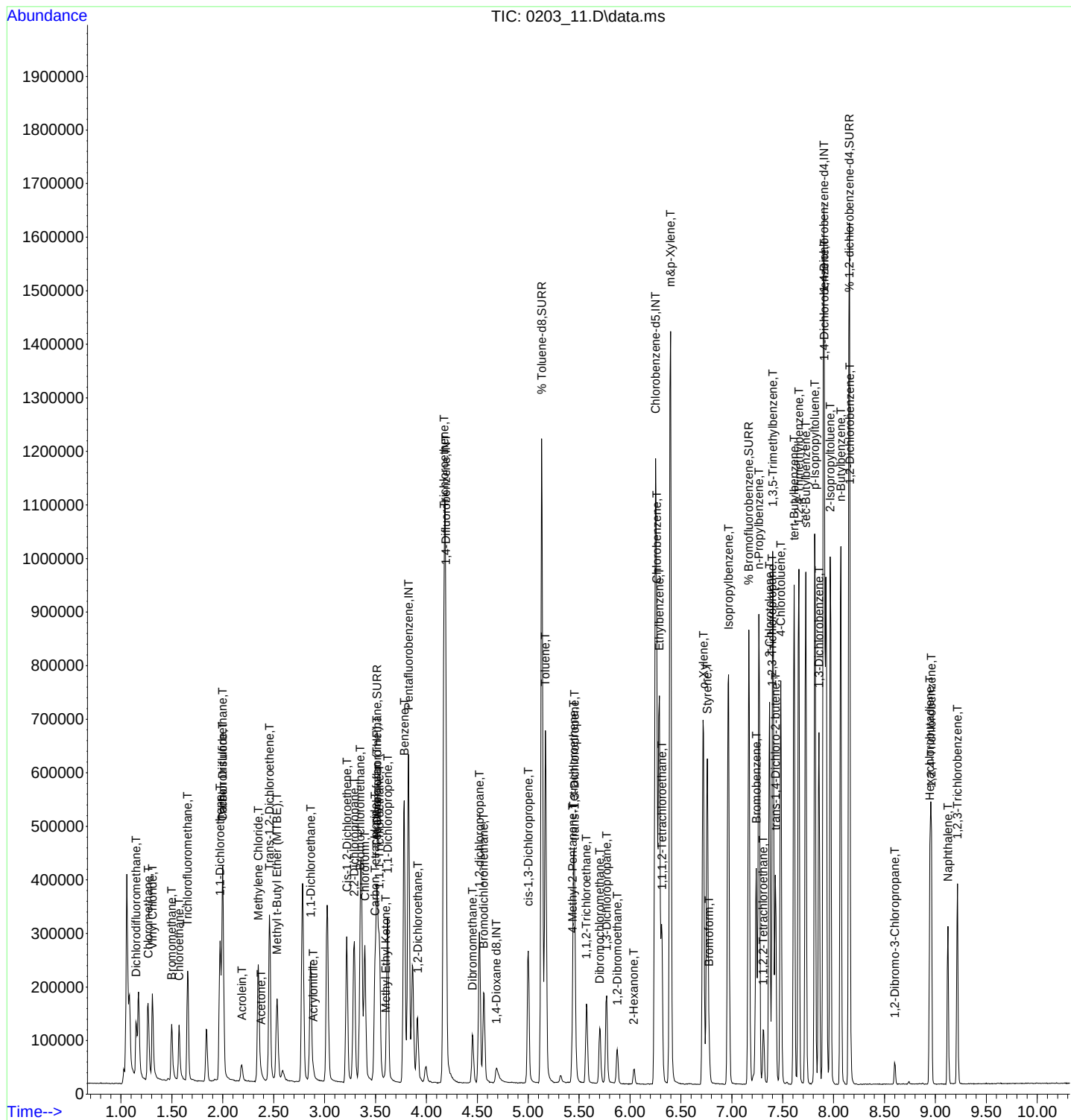
Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\V2024\CHEM02\02FEB\020324\
Data File   : 0203_11.D
Acq On      : 3 Feb 2024   3:21 pm
Operator    :
Client ID   : ICAL 10
Lab ID      : VOA 10 PPB STD
ALS Vial    : 1 Sample Multiplier: 1

```

Quant Time: Feb 06 08:31:06 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:30:30 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_12.D
 Acq On : 3 Feb 2024 3:45 pm
 Operator :
 Client ID : ICAL 20
 Lab ID : VOA 20 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 16:21:26 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	291244	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	470403	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	411715	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	234052	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	21721	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	22672	9.962	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.60%	
45) % Toluene-d8	5.132	98	587383	10.146	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.50%	
62) % Bromofluorobenzene	7.167	95	209005	10.058	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.60%	
64) % 1,2-dichlorobenzene-d4	8.155	152	195162	9.963	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.60%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	192252	22.184	ug/l	98
3) Chloromethane	1.267	50	238046	18.937	ug/l	100
4) Vinyl Chloride	1.309	62	216059	20.774	ug/l	99
5) Bromomethane	1.497	94	100723	21.449	ug/l	99
6) Chloroethane	1.570	64	123567	19.727	ug/l	95
7) Trichlorofluoromethane	1.654	101	233441	21.560	ug/l	98
9) 1,1-Dichloroethene	1.973	96	139452	20.874	ug/l	97
10) Trichlorotrifluoroethane	1.999	151	98547	22.324	ug/l	98
11) Carbon Disulfide	1.999	76	416554	19.655	ug/l	100
12) Acrolein	2.187	56	44326	110.839	ug/l	96
13) Methylene Chloride	2.350	84	140070	18.461	ug/l	90
14) Acetone	2.381	43	14896	19.033	ug/l	96
15) Trans-1,2-Dichloroethene	2.459	96	156658	19.823	ug/l	98
17) Methyl t-Butyl Ether (...)	2.533	73	224478	20.070	ug/l	100
19) 1,1-Dichloroethane	2.862	63	317186	19.620	ug/l	99
20) Acrylonitrile	2.888	53	18929	19.824	ug/l	96
23) Cis-1,2-Dichloroethene	3.218	96	162693	19.439	ug/l	98
24) 2,2-Dichloropropane	3.291	77	243126	19.358	ug/l	97
25) Bromochloromethane	3.349	128	54133	19.841	ug/l	94
27) Chloroform	3.396	83	277072	19.283	ug/l	98
28) Carbon Tetrachloride	3.495	117	189022	20.893	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	34993	42.138	ug/l	98
30) 1,1,1-Trichloroethane	3.537	97	236005	19.994	ug/l	98
32) Methyl Ethyl Ketone	3.594	43	20378	18.552	ug/l	89
34) 1,1-Dichloropropene	3.620	75	219472	20.416	ug/l	98
35) Benzene	3.783	78	651688	19.576	ug/l	99
37) 1,2-Dichloroethane	3.913	62	137155	19.726	ug/l	97
39) Trichloroethene	4.175	130	164491	19.952	ug/l	99
40) Dibromomethane	4.452	93	52759	19.880	ug/l	96
41) 1,2-dichloropropane	4.520	63	155156	19.568	ug/l	97
42) Bromodichloromethane	4.567	83	159755	19.983	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	207215	20.200	ug/l	100
44) Toluene	5.169	92	397828	19.956	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	49560	19.542	ug/l	97
47) Tetrachloroethene	5.446	164	122231	20.626	ug/l	95
48) trans-1,3-Dichloropropene	5.456	75	146496	20.329	ug/l	98
49) 1,1,2-Trichloroethane	5.571	97	69941	20.206	ug/l	90

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_12.D
 Acq On : 3 Feb 2024 3:45 pm
 Operator :
 Client ID : ICAL 20
 Lab ID : VOA 20 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 16:21:26 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	83855	20.083	ug/l	100
52) 1,3-Dichloropropane	5.770	76	127076	19.025	ug/l	97
53) 1,2-Dibromoethane	5.875	107	64441	19.499	ug/l	97
54) 2-Hexanone	6.037	43	30901	19.729	ug/l	95
55) Chlorobenzene	6.262	112	400391	19.479	ug/l	97
56) Ethylbenzene	6.288	106	233501	19.672	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.314	131	114808	20.286	ug/l	97
58) m&p-Xylene	6.398	106	588465	39.370	ug/l	99
59) o-Xylene	6.722	106	284433	19.913	ug/l	98
60) Styrene	6.759	104	433323	20.185	ug/l	99
61) Bromoform	6.774	173	35127	21.292	ug/l	98
65) Isopropylbenzene	6.968	120	203908	20.149	ug/l	99
66) Bromobenzene	7.240	156	151159	20.059	ug/l	92
67) n-Propylbenzene	7.266	120	209066	19.773	ug/l	88
68) 1,1,2,2-Tetrachloroethane	7.313	83	70565	19.788	ug/l	98
69) 2-Chlorotoluene	7.371	126	179870	19.806	ug/l	85
70) 1,3,5-Trimethylbenzene	7.402	105	647157	19.782	ug/l	100
71) 1,2,3-Trichloropropane	7.402	75	59534	19.734	ug/l	83
72) trans-1,4-Dichloro-2-b...	7.428	75	131501	108.006	ug/l	83
73) 4-Chlorotoluene	7.480	126	182527	19.709	ug/l	94
74) tert-Butylbenzene	7.611	119	549185	20.012	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	656041	19.781	ug/l	100
76) sec-Butylbenzene	7.726	105	821248	20.208	ug/l	97
77) p-Isopropyltoluene	7.815	119	718563	20.152	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	322113	19.391	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	310933	19.602	ug/l	99
81) 2-Isopropyltoluene	7.967	119	667141	19.756	ug/l	100
82) n-Butylbenzene	8.071	91	662655	20.351	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	263673	19.571	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.600	155	9934	22.765	ug/l	88
85) Hexachlorobutadiene	8.945	225	81283	20.067	ug/l	99
86) 1,2,4-Trichlorobenzene	8.961	180	158648	19.987	ug/l	96
87) Naphthalene	9.123	128	254969	20.740	ug/l	99
88) 1,2,3-Trichlorobenzene	9.217	180	124476	20.136	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_13.D
 Acq On : 3 Feb 2024 4:08 pm
 Operator :
 Client ID : ICAL 30
 Lab ID : VOA 30 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 16:21:28 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	283157	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	459446	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	410031	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	231357	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	23241	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	21898	9.897	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.00%		
45) % Toluene-d8	5.132	98	574545	10.161	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.60%		
62) % Bromofluorobenzene	7.167	95	210045	10.150	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.50%		
64) % 1,2-dichlorobenzene-d4	8.155	152	193963	10.017	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.20%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	315145	37.403	ug/l	100
3) Chloromethane	1.262	50	378841	30.999	ug/l	99
4) Vinyl Chloride	1.309	62	345953	34.214	ug/l	98
5) Bromomethane	1.497	94	158747	34.771	ug/l	99
6) Chloroethane	1.570	64	191883	31.509	ug/l	95
7) Trichlorofluoromethane	1.654	101	375630	35.684	ug/l	100
9) 1,1-Dichloroethene	1.973	96	216009	33.258	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	156589	36.485	ug/l	98
11) Carbon Disulfide	1.999	76	655396	31.808	ug/l	99
12) Acrolein	2.182	56	68718	176.740	ug/l	96
13) Methylene Chloride	2.349	84	216391	29.334	ug/l	90
14) Acetone	2.376	43	20966	27.554	ug/l	94
15) Trans-1,2-Dichloroethene	2.459	96	247583	32.223	ug/l	98
17) Methyl t-Butyl Ether (...)	2.533	73	345457	31.769	ug/l	99
19) 1,1-Dichloroethane	2.862	63	490444	31.204	ug/l	99
20) Acrylonitrile	2.888	53	29388	31.656	ug/l	94
23) Cis-1,2-Dichloroethene	3.218	96	251742	30.939	ug/l	98
24) 2,2-Dichloropropane	3.291	77	379859	31.109	ug/l	97
25) Bromochloromethane	3.348	128	82894	31.250	ug/l	93
27) Chloroform	3.396	83	425508	30.460	ug/l	99
28) Carbon Tetrachloride	3.495	117	307377	34.946	ug/l	100
29) Tetrahydrofuran (THF)	3.511	42	53714	66.529	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	372335	32.444	ug/l	98
32) Methyl Ethyl Ketone	3.600	43	30603	28.656	ug/l	94
34) 1,1-Dichloropropene	3.615	75	347054	33.054	ug/l	98
35) Benzene	3.783	78	1019592	31.358	ug/l	99
37) 1,2-Dichloroethane	3.913	62	212537	31.296	ug/l	97
39) Trichloroethene	4.175	130	257136	31.933	ug/l	97
40) Dibromomethane	4.452	93	82227	31.723	ug/l	96
41) 1,2-dichloropropane	4.520	63	241059	31.127	ug/l	97
42) Bromodichloromethane	4.562	83	250723	32.109	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	325408	32.478	ug/l	99
44) Toluene	5.169	92	624910	32.094	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	75948	30.662	ug/l	98
47) Tetrachloroethene	5.446	164	190922	32.985	ug/l	97
48) trans-1,3-Dichloropropene	5.461	75	230939	32.811	ug/l	96
49) 1,1,2-Trichloroethane	5.571	97	108366	32.053	ug/l	89

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020324\
 Data File : 0203_13.D
 Acq On : 3 Feb 2024 4:08 pm
 Operator :
 Client ID : ICAL 30
 Lab ID : VOA 30 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 16:21:28 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:21:06 2024
 Response via : Initial Calibration

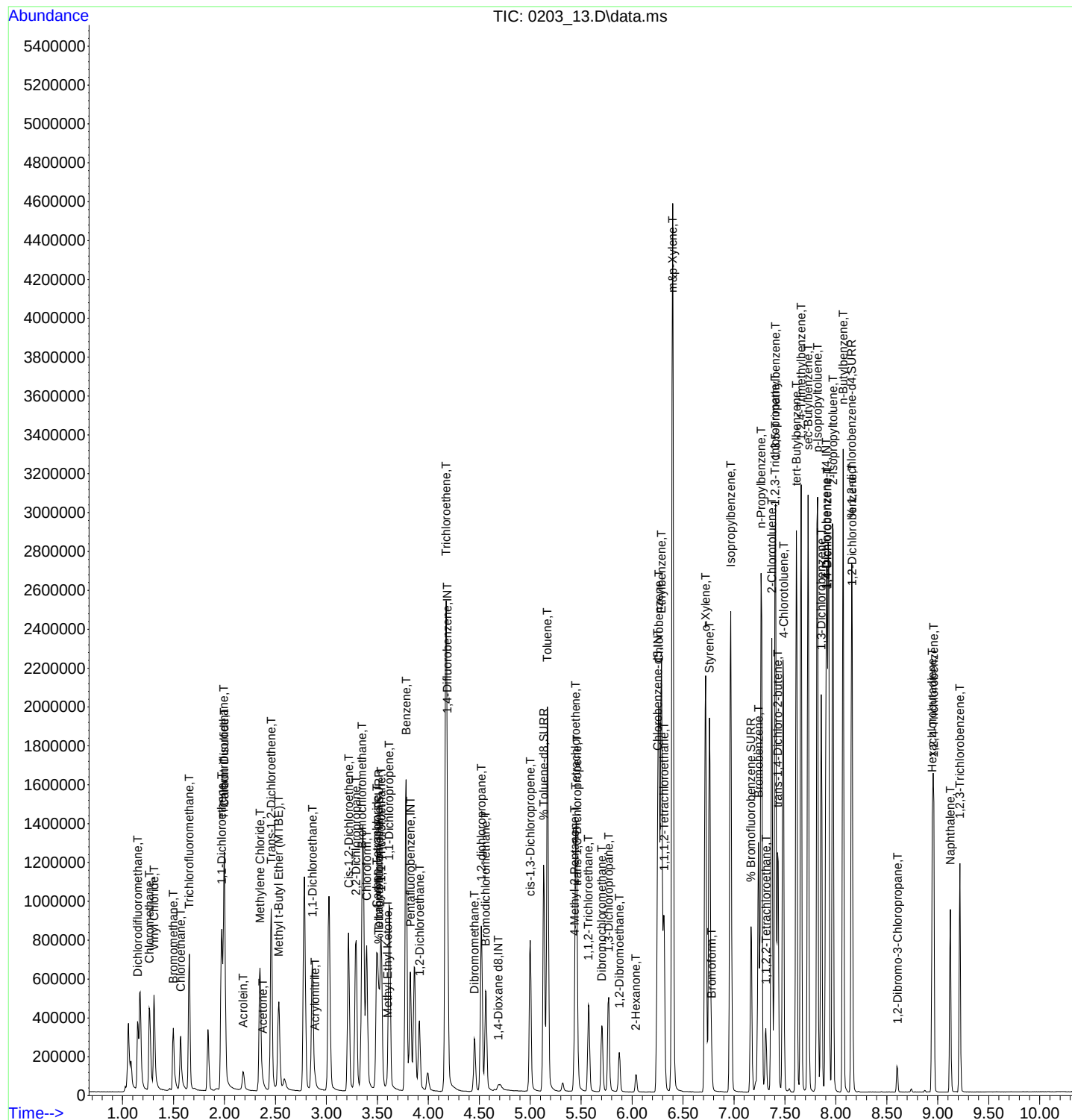
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	139218	33.480	ug/l	98
52) 1,3-Dichloropropane	5.770	76	203764	30.632	ug/l	97
53) 1,2-Dibromoethane	5.875	107	103618	31.482	ug/l	98
54) 2-Hexanone	6.037	43	47906	30.712	ug/l	98
55) Chlorobenzene	6.262	112	633224	30.933	ug/l	96
56) Ethylbenzene	6.288	106	375514	31.767	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.314	131	184506	32.735	ug/l	97
58) m&p-Xylene	6.398	106	947966	63.683	ug/l	100
59) o-Xylene	6.722	106	455717	32.036	ug/l	98
60) Styrene	6.759	104	691435	32.340	ug/l	99
61) Bromoform	6.779	173	59416	36.162	ug/l	99
65) Isopropylbenzene	6.968	120	328772	32.866	ug/l	97
66) Bromobenzene	7.240	156	238980	32.082	ug/l	90
67) n-Propylbenzene	7.266	120	340007	32.531	ug/l	89
68) 1,1,2,2-Tetrachloroethane	7.313	83	110906	31.463	ug/l	98
69) 2-Chlorotoluene	7.371	126	288674	32.157	ug/l	86
70) 1,3,5-Trimethylbenzene	7.407	105	1043729	32.275	ug/l	100
71) 1,2,3-Trichloropropane	7.402	75	93328	31.295	ug/l	85
72) trans-1,4-Dichloro-2-b...	7.428	75	217437	180.668	ug/l	82
73) 4-Chlorotoluene	7.486	126	293764	32.090	ug/l	95
74) tert-Butylbenzene	7.611	119	895425	33.009	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	1059578	32.320	ug/l	100
76) sec-Butylbenzene	7.726	105	1330167	33.113	ug/l	98
77) p-Isopropyltoluene	7.820	119	1164415	33.037	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	512530	31.214	ug/l	99
79) 1,4-Dichlorobenzene	7.914	146	495570	31.607	ug/l	99
81) 2-Isopropyltoluene	7.972	119	1073947	32.173	ug/l	100
82) n-Butylbenzene	8.071	91	1070317	33.254	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	420466	31.572	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	16075	37.267	ug/l	94
85) Hexachlorobutadiene	8.945	225	132652	33.131	ug/l	99
86) 1,2,4-Trichlorobenzene	8.961	180	249931	31.854	ug/l	96
87) Naphthalene	9.123	128	404002	33.245	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	199279	32.613	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

```
Data Path : H:\V2024\CHEM02\02FEB\020324\  
Data File : 0203_13.D  
Acq On : 3 Feb 2024 4:08 pm  
Operator :  
Client ID : ICAL 30  
Lab ID : VOA 30 PPB STD  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Feb 03 16:21:28 2024
Quant Method : H:\2024\CHEM02\METHODS\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Sat Feb 03 16:21:06 2024
Response via : Initial Calibration



6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCP97096

Instrument ID: CHEM17 Calibration Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Calibration Time(s): 12:40 14:47

GC Column: _____ Method File: VT-012224.M

LAB FILE ID:

RRF 0.5	0122_07.D	RRF 2	0122_08.D	RRF 4	0122_09.D	RRF 10	0122_10.D
RRF 20	0122_11.D	RRF 30	0122_12.D				

COMPOUND		RRF 0.5	RRF 2	RRF 4	RRF 10	RRF 20	RRF 30			RRF	% RSD	% RSD LIMITS
Dichlorodifluoromethane		0.639	0.741	0.850	0.815	0.802	0.779			0.771	9.7	20 (40)
Chloromethane		1.087	1.138	1.274	1.170	1.152	1.079			1.150	6.2	20 (40)
Vinyl Chloride		0.690	0.762	0.847	0.807	0.799	0.753			0.776	7.0	20 (30)
Bromomethane		0.177	0.199	0.224	0.233	0.241	0.242			0.219	11.9	20 (40)
Chloroethane		0.396	0.392	0.412	0.382	0.353	0.330			0.377	8.0	20 (40)
Trichlorofluoromethane		0.758	0.808	0.911	0.851	0.814	0.767			0.818	6.9	20 (40)
1,1-Dichloroethene		0.400	0.418	0.490	0.463	0.451	0.424			0.441	7.6	20 (30)
Trichlorotrifluoroethane		0.327	0.367	0.386	0.370	0.356	0.338			0.357	6.1	20 (40)
Carbon Disulfide		1.172	1.277	1.436	1.318	1.252	1.162			1.270	8.0	20 (40)
Acrolein	*	0.022	0.024	0.030	0.028	0.029	0.028			0.027	11.7	20 (40)
Methylene Chloride		0.421	0.402	0.444	0.412	0.412	0.390			0.414	4.4	20 (40)
Acetone			0.046	0.053	0.044	0.043	0.041			0.045	9.8	20 (40)
Trans-1,2-Dichloroethene		0.437	0.467	0.525	0.486	0.480	0.451			0.474	6.5	20 (40)
Methyl t-Butyl Ether (MTBE)		0.571	0.650	0.722	0.710	0.708	0.671			0.672	8.4	20 (40)
1,1-Dichloroethane		0.904	0.984	1.112	1.035	1.018	0.964			1.003	7.0	20 (40)
Acrylonitrile		0.059	0.055	0.064	0.061	0.061	0.057			0.060	5.4	20 (40)
Cis-1,2-Dichloroethene		0.438	0.463	0.535	0.511	0.499	0.471			0.486	7.3	20 (40)
2,2-Dichloropropane		0.708	0.796	0.815	0.786	0.768	0.731			0.767	5.3	20 (40)
Bromochloromethane		0.122	0.139	0.153	0.150	0.145	0.139			0.141	8.0	20 (40)
Chloroform		0.709	0.762	0.853	0.789	0.781	0.737			0.772	6.4	20 (30)
Carbon Tetrachloride		0.439	0.487	0.555	0.546	0.564	0.550			0.523	9.5	20 (40)
Tetrahydrofuran (THF)	*	0.054	0.040	0.045	0.043	0.043	0.039			0.044	11.8	20 (40)
1,1,1-Trichloroethane		0.670	0.710	0.807	0.757	0.756	0.725			0.737	6.4	20 (40)
Methyl Ethyl Ketone			0.059	0.071	0.063	0.066	0.064			0.065	6.6	20 (40)
1,1-Dichloropropene		0.392	0.445	0.455	0.450	0.446	0.450			0.440	5.4	20 (40)
Benzene		1.074	1.223	1.234	1.231	1.223	1.278			1.211	5.8	20 (40)
1,2-Dichloroethane		0.253	0.287	0.303	0.300	0.310	0.315			0.295	7.6	20 (40)
Trichloroethene		0.299	0.343	0.362	0.347	0.344	0.344			0.340	6.3	20 (40)
Dibromomethane		0.094	0.104	0.113	0.117	0.122	0.126			0.113	10.8	20 (40)
1,2-dichloropropane		0.320	0.374	0.387	0.395	0.398	0.404			0.380	8.2	20 (30)
Bromodichloromethane		0.251	0.286	0.308	0.319	0.340	0.360			0.311	12.5	20 (40)
cis-1,3-Dichloropropene		0.317	0.385	0.422	0.444	0.473	0.493			0.422	15.2	20 (40)
Toluene		0.768	0.871	0.926	0.918	0.923	0.930			0.889	7.1	20 (30)
4-Methyl-2-Pentanone			0.112	0.114	0.114	0.121	0.123			0.117	4.2	20 (40)
Tetrachloroethene		0.264	0.315	0.321	0.316	0.320	0.325			0.310	7.4	20 (40)
trans-1,3-Dichloropropene	*	0.207	0.254	0.270	0.289	0.305	0.314			0.273	14.4	20 (40)
1,1,2-Trichloroethane	*	0.139	0.151	0.156	0.161	0.166	0.173			0.158	7.6	20 (40)
Dibromochloromethane	*	0.110	0.136	0.144	0.159	0.182	0.195			0.154	20.2 +	20 (40)
1,3-Dichloropropane		0.278	0.338	0.334	0.331	0.337	0.339			0.326	7.3	20 (40)
1,2-Dibromoethane	*	0.133	0.159	0.170	0.169	0.178	0.180			0.165	10.6	20 (40)
2-Hexanone			0.079	0.080	0.081	0.088	0.092			0.084	6.9	20 (40)
Chlorobenzene		0.823	0.988	0.998	0.970	0.970	0.955			0.951	6.8	20 (40)
Ethylbenzene		0.525	0.633	0.640	0.605	0.592	0.589			0.597	6.9	20 (30)
1,1,1,2-Tetrachloroethane		0.159	0.206	0.217	0.229	0.244	0.259			0.219	16.0	20 (40)
m&p-Xylene		0.648	0.766	0.771	0.718	0.692	0.674			0.711	7.0	20 (40)
o-Xylene		0.593	0.721	0.744	0.723	0.721	0.721			0.704	7.9	20 (40)
Styrene		0.827	1.051	1.078	1.044	1.043	1.035			1.013	9.1	20 (40)
Bromoform	*	0.040	0.059	0.062	0.067	0.080	0.088			0.066	25.6 +	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) %

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

FORM VI VOA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument ID: CHEM17 Calibration Date(s): 01/22/24 01/22/24

Heated Purge (Y/N):	N	Calibration Time(s):	12:40	14:47

GC Column: Method File: VT-012224.M

LAB FILE ID:

RRF 0.5	<u>0122_07.D</u>	RRF 2	<u>0122_08.D</u>	RRF 4	<u>0122_09.D</u>	RRF 10	<u>0122_10.D</u>
RRF 20	<u>0122_11.D</u>	RRF 30	<u>0122_12.D</u>				

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) %

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

FORM VI VOA

Response Factor Report Chem17

Method Path : H:\V2024\CHEM17\Methods\
 Method File : VT-012224.M
 Title : VOA Standards for 5 point calibration
 Last Update : Tue Jan 23 10:34:02 2024
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,g,qf) display calculated conc and corr. coefficient.)
 1A =0122_07.D 1 =0122_08.D 2 =0122_09.D 3 =0122_10.D 4 =0122_11.D 5 =0122_12.D

Compound	1A	1	2	3	4	5	Avg	%RSD
1) Int Pentafluorobenzene	-----ISTD-----							
2) T Dichlorodifluo...	0.639	0.741	0.850	0.815	0.802	0.779	0.771	9.65
3) T Chloromethane	1.087	1.138	1.274	1.170	1.152	1.079	1.150	6.16
4) T Vinyl Chloride	0.690	0.762	0.847	0.807	0.799	0.753	0.776	6.96
5) T Bromomethane	0.177	0.199	0.224	0.233	0.241	0.242	0.219	11.86
6) T Chloroethane	0.396	0.392	0.412	0.382	0.353	0.330	0.377	8.03
7) T Trichlorofluor...	0.758	0.808	0.911	0.851	0.814	0.767	0.818	6.91
9) T 1,1-Dichloroet...	0.400	0.418	0.490	0.463	0.451	0.424	0.441	7.56
10) T Trichlorotrifl...	0.327	0.367	0.386	0.370	0.356	0.338	0.357	6.11
11) T Carbon Disulfide	1.172	1.277	1.436	1.318	1.252	1.162	1.270	8.01
12) T Acrolein	0.022	0.024	0.030	0.028	0.029	0.028	0.027	11.65
13) T Methylene Chlo...	0.421	0.402	0.444	0.412	0.412	0.390	0.414	4.41
14) T Acetone		0.046	0.053	0.044	0.043	0.041	0.045	9.76
15) T Trans-1,2-Dich...	0.437	0.467	0.525	0.486	0.480	0.451	0.474	6.50
17) T Methyl t-Butyl...	0.571	0.650	0.722	0.710	0.708	0.671	0.672	8.36
19) T 1,1-Dichloroet...	0.904	0.984	1.112	1.035	1.018	0.964	1.003	7.01
20) T Acrylonitrile	0.059	0.055	0.064	0.061	0.061	0.057	0.060	5.38
23) T Cis-1,2-Dichlo...	0.438	0.463	0.535	0.511	0.499	0.471	0.486	7.30
24) T 2,2-Dichloropr...	0.708	0.796	0.815	0.786	0.768	0.731	0.767	5.30
25) T Bromochloromet...	0.122	0.139	0.153	0.150	0.145	0.139	0.141	8.00
27) T Chloroform	0.709	0.762	0.853	0.789	0.781	0.737	0.772	6.43
28) T Carbon Tetrach...	0.439	0.487	0.555	0.546	0.564	0.550	0.523	9.48
29) T Tetrahydrofura...	0.054	0.040	0.045	0.043	0.043	0.039	0.044#	11.76
30) T 1,1,1-Trichlor...	0.670	0.710	0.807	0.757	0.756	0.725	0.737	6.38
31) Surr% Dibromofluor...	0.079	0.074	0.081	0.080	0.077	0.075	0.078	3.59
32) T Methyl Ethyl K...		0.059	0.071	0.063	0.066	0.064	0.065	6.56
33) Int 1,4-Difluorobenzene	-----ISTD-----							
34) T 1,1-Dichloropr...	0.392	0.445	0.455	0.450	0.446	0.450	0.440	5.36
35) T Benzene	1.074	1.223	1.234	1.231	1.223	1.278	1.211	5.77
37) T 1,2-Dichloroet...	0.253	0.287	0.303	0.300	0.310	0.315	0.295	7.63
39) T Trichloroethene	0.299	0.343	0.362	0.347	0.344	0.344	0.340	6.29
40) T Dibromomethane	0.094	0.104	0.113	0.117	0.122	0.126	0.113	10.76
41) T 1,2-dichloropr...	0.320	0.374	0.387	0.395	0.398	0.404	0.380	8.16
42) T Bromodichlorom...	0.251	0.286	0.308	0.319	0.340	0.360	0.311	12.49
43) T cis-1,3-Dichlo...	0.317	0.385	0.422	0.444	0.473	0.493	0.422	15.16
44) T Toluene	0.768	0.871	0.926	0.918	0.923	0.930	0.889	7.11
45) Surr% Toluene-d8	1.189	1.225	1.241	1.286	1.329	1.348	1.270	4.89
46) T 4-Methyl-2-Pen...		0.112	0.114	0.114	0.121	0.123	0.117	4.15
47) T Tetrachloroethene	0.264	0.315	0.321	0.316	0.320	0.325	0.310	7.36
48) T trans-1,3-Dich...	0.207	0.254	0.270	0.289	0.305	0.314	0.273	14.40
49) T 1,1,2-Trichlor...	0.139	0.151	0.156	0.161	0.166	0.173	0.158	7.58
50) Int Chlorobenzene-d5	-----ISTD-----							
51) T Dibromochlorom...	0.110	0.136	0.144	0.159	0.182	0.195	0.154	20.17
52) T 1,3-Dichloropr...	0.278	0.338	0.334	0.331	0.337	0.339	0.326	7.28
53) T 1,2-Dibromoethane	0.133	0.159	0.170	0.169	0.178	0.180	0.165	10.55
54) T 2-Hexanone		0.079	0.080	0.081	0.088	0.092	0.084	6.88
55) T Chlorobenzene	0.823	0.988	0.998	0.970	0.970	0.955	0.951	6.78
56) T Ethylbenzene	0.525	0.633	0.640	0.605	0.592	0.589	0.597	6.93
57) T 1,1,1,2-Tetrac...	0.159	0.206	0.217	0.229	0.244	0.259	0.219	15.97
58) T m&p-Xylene	0.648	0.766	0.771	0.718	0.692	0.674	0.711	7.02
59) T o-Xylene	0.593	0.721	0.744	0.723	0.721	0.721	0.704	7.85
60) T Styrene	0.827	1.051	1.078	1.044	1.043	1.035	1.013	9.13
61) T Bromoform	0.040	0.059	0.062	0.067	0.080	0.088	0.066#	25.59#
62) Surr% Bromofluorob...	0.468	0.486	0.482	0.487	0.506	0.514	0.491	3.44
63) Int 1,4-Dichlorobenzen...	-----ISTD-----							
64) surr% 1,2-dichloro...	0.830	0.844	0.848	0.854	0.848	0.839	0.844	1.00

Response Factor Report Chem17

Method	Path	: H:\V2024\CHEM17\Methods\								
Method	File	: VT-012224.M								
65)	T	Isopropylbenzene	0.821	1.006	1.036	0.985	0.951	0.934	0.956	7.90
66)	T	Bromobenzene	0.599	0.698	0.739	0.709	0.704	0.698	0.691	6.90
67)	T	n-Propylbenzene	0.821	0.996	1.055	1.002	0.964	0.942	0.963	8.25
68)	T	1,1,2,2-Tetrac...	0.280	0.326	0.332	0.337	0.335	0.342	0.325	7.00
69)	T	2-Chlorotoluene	0.694	0.800	0.817	0.780	0.757	0.749	0.766	5.67
70)	T	1,3,5-Trimethy...	2.723	3.191	3.328	3.069	2.927	2.798	3.006	7.76
71)	T	1,2,3-Trichlor...	0.248	0.255	0.274	0.259	0.249	0.244	0.255	4.14
72)	Tqf	trans-1,4-Dich...	1.560	8.432	18.87	48.99	101.7	149.4	Coef R2	1.00
73)	T	4-Chlorotoluene	0.704	0.801	0.823	0.778	0.765	0.759	0.772	5.24
74)	T	tert-Butylbenzene	2.224	2.666	2.780	2.613	2.535	2.459	2.546	7.56
75)	T	1,2,4-Trimethy...	2.651	3.187	3.284	3.105	2.936	2.790	2.992	8.14
76)	T	sec-Butylbenzene	3.646	4.188	4.433	4.145	3.914	3.700	4.004	7.63
77)	T	p-Isopropyltol...	2.820	3.378	3.523	3.337	3.219	3.048	3.221	7.85
78)	T	1,3-Dichlorobe...	1.334	1.524	1.555	1.481	1.456	1.442	1.465	5.25
79)	T	1,4-Dichlorobe...	1.247	1.388	1.467	1.397	1.368	1.360	1.371	5.22
81)	T	2-Isopropyltol...	2.672	3.046	3.210	3.052	2.919	2.776	2.946	6.72
82)	T	n-Butylbenzene	2.568	3.049	3.259	3.123	2.986	2.806	2.965	8.29
83)	T	1,2-Dichlorobe...	1.028	1.161	1.229	1.208	1.184	1.180	1.165	6.09
84)	T	1,2-Dibromo-3-...	0.023	0.026	0.033	0.037	0.041	0.045	0.034	25.53
85)	T	Hexachlorobuta...	0.337	0.357	0.399	0.384	0.385	0.370	0.372	6.06
86)	T	1,2,4-Trichlor...	0.550	0.608	0.660	0.646	0.644	0.636	0.624	6.42
87)	T	Naphthalene	0.630	0.793	0.877	0.928	0.974	0.998	0.867	15.82
88)	T	1,2,3-Trichlor...	0.405	0.445	0.492	0.507	0.510	0.522	0.480	9.51

89) int 1,4-Dioxane d8 -----ISTD-----

(#,\$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_07.D
 Acq On : 22 Jan 2024 12:40 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD, VOA13G I 01/22 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:46 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	415113	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	720704	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	634415	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	325676	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	23391	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.361	192	32791	9.872	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.70%	
45) % Toluene-d8	4.982	98	857031	9.246	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	92.50%	
62) % Bromofluorobenzene	7.032	95	296925	9.617	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.20%	
64) % 1,2-dichlorobenzene-d4	8.052	152	270344	9.716	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.20%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	13258	0.392	ug/l	97
3) Chloromethane	1.195	50	22569	0.465	ug/l	99
4) Vinyl Chloride	1.227	62	14327	0.428	ug/l	88
5) Bromomethane	1.399	94	3677	0.380	ug/l	89
6) Chloroethane	1.467	64	8211	0.518	ug/l	79
7) Trichlorofluoromethane	1.546	101	15737	0.445	ug/l	98
9) 1,1-Dichloroethene	1.839	96	8294	0.432	ug/l	93
10) Trichlorotrifluoroethane	1.859	151	6777	0.442	ug/l	91
11) Carbon Disulfide	1.865	76	24322	0.444	ug/l	99
12) Acrolein	2.048	56	2261	1.913	ug/l	66
13) Methylene Chloride	2.205	84	8745	0.511	ug/l	95
14) Acetone	2.236	43	1161	0.632	ug/l	95
15) Trans-1,2-Dichloroethene	2.309	96	9064	0.449	ug/l	87
17) Methyl t-Butyl Ether (...)	2.382	73	11860	0.402	ug/l	100
19) 1,1-Dichloroethane	2.707	63	18769	0.437	ug/l	93
20) Acrylonitrile	2.738	53	1229	0.486	ug/l	84
23) Cis-1,2-Dichloroethene	3.062	96	9082	0.428	ug/l	94
24) 2,2-Dichloropropane	3.130	77	14690	0.450	ug/l	99
25) Bromochloromethane	3.193	128	2522	0.405	ug/l#	86
27) Chloroform	3.245	83	14715	0.449	ug/l	97
28) Carbon Tetrachloride	3.340	117	9106	0.402	ug/l	94
29) Tetrahydrofuran (THF)	3.361	42	2798	1.552	ug/l	94
30) 1,1,1-Trichloroethane	3.381	97	13897	0.443	ug/l	95
32) Methyl Ethyl Ketone	3.439	43	1492	0.572	ug/l	87
34) 1,1-Dichloropropene	3.460	75	14139	0.436	ug/l	97
35) Benzene	3.622	78	38718	0.436	ug/l	99
37) 1,2-Dichloroethane	3.758	62	9131	0.422	ug/l	95
39) Trichloroethene	4.020	130	10763	0.430	ug/l#	14
40) Dibromomethane	4.302	93	3372	0.399	ug/l	94
41) 1,2-dichloropropane	4.365	63	11528	0.405	ug/l	99
42) Bromodichloromethane	4.417	83	9055	0.394	ug/l	91
43) cis-1,3-Dichloropropene	4.851	75	11424	0.357	ug/l	98
44) Toluene	5.019	92	27678	0.418	ug/l	99
46) 4-Methyl-2-Pentanone	5.290	43	2991	0.363	ug/l	81
47) Tetrachloroethene	5.296	164	9521	0.418	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	7453	0.358	ug/l	95
49) 1,1,2-Trichloroethane	5.426	97	4996	0.431	ug/l	82

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_07.D
 Acq On : 22 Jan 2024 12:40 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD, VOA13G I 01/22 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:46 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

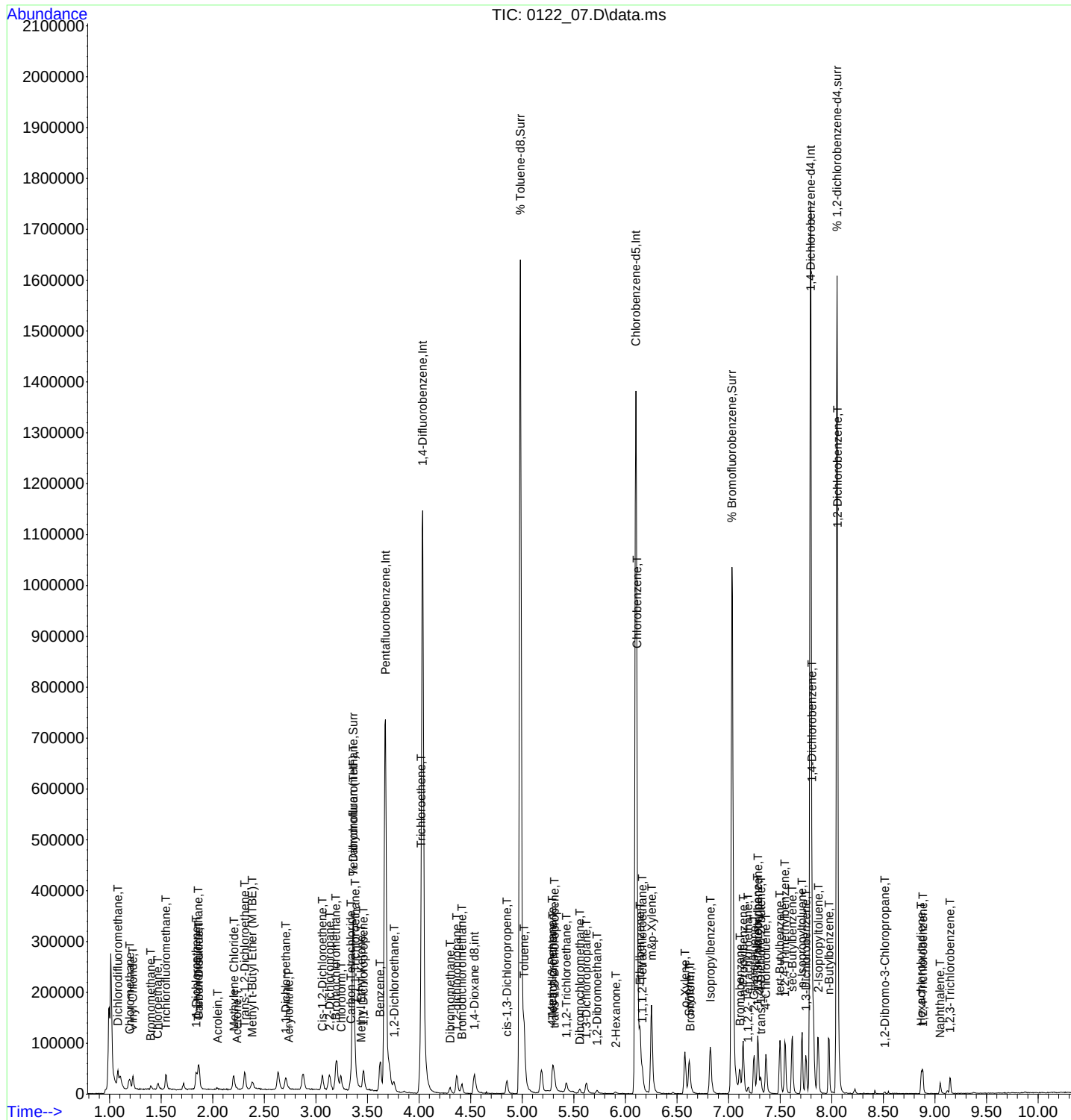
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	3480	0.345	ug/l	98
52) 1,3-Dichloropropane	5.620	76	8821	0.420	ug/l	98
53) 1,2-Dibromoethane	5.725	107	4217	0.393	ug/l	95
54) 2-Hexanone	5.908	43	2121	0.410	ug/l	78
55) Chlorobenzene	6.112	112	26092	0.424	ug/l	89
56) Ethylbenzene	6.143	106	16639	0.434	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.164	131	5038	0.346	ug/l#	62
58) m&p-Xylene	6.253	106	41115	0.903	ug/l	94
59) o-Xylene	6.577	106	18800	0.410	ug/l	97
60) Styrene	6.619	104	26218	0.396	ug/l	96
61) Bromoform	6.629	173	1273	0.298	ug/l	97
65) Isopropylbenzene	6.823	120	13374	0.417	ug/l	97
66) Bromobenzene	7.111	156	9750	0.422	ug/l	92
67) n-Propylbenzene	7.142	120	13369	0.410	ug/l	95
68) 1,1,2,2-Tetrachloroethane	7.189	83	4566	0.415	ug/l	96
69) 2-Chlorotoluene	7.247	126	11300	0.445	ug/l	90
70) 1,3,5-Trimethylbenzene	7.283	105	44339	0.444	ug/l	99
71) 1,2,3-Trichloropropane	7.278	75	4045	0.479	ug/l#	72
73) 4-Chlorotoluene	7.362	126	11471	0.453	ug/l	89
74) tert-Butylbenzene	7.498	119	36208	0.426	ug/l	98
75) 1,2,4-Trimethylbenzene	7.545	105	43168	0.427	ug/l	100
76) sec-Butylbenzene	7.618	105	59370	0.440	ug/l	100
77) p-Isopropyltoluene	7.712	119	45924	0.423	ug/l	99
78) 1,3-Dichlorobenzene	7.749	146	21722	0.450	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	20306	0.446	ug/l	90
81) 2-Isopropyltoluene	7.869	119	43509	0.438	ug/l	97
82) n-Butylbenzene	7.974	91	41813	0.411	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	16744	0.426	ug/l	86
84) 1,2-Dibromo-3-Chloropr...	8.512	155	367	0.301	ug/l	87
85) Hexachlorobutadiene	8.868	225	5486	0.438	ug/l	92
86) 1,2,4-Trichlorobenzene	8.884	180	8959	0.426	ug/l	95
87) Naphthalene	9.051	128	10258	0.340	ug/l	99
88) 1,2,3-Trichlorobenzene	9.145	180	6595	0.400	ug/l	90

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
Data File : 0122_07.D
Acq On : 22 Jan 2024 12:40 pm
Operator :
Client ID : BFB TUNE
Lab ID : VOA 0.5 PPB STD, VOA13G I 01/22 V
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:46 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon Jan 22 16:50:54 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_08.D
 Acq On : 22 Jan 2024 1:06 pm
 Operator :
 Client ID : ICAL 2
 Lab ID : VOA 2 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:48 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	421166	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	700013	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	609018	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	316940	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	25417	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.361	192	31269	9.278	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	92.80%	
45) % Toluene-d8	4.982	98	857608	9.525	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.30%	
62) % Bromofluorobenzene	7.032	95	296287	9.996	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.00%	
64) % 1,2-dichlorobenzene-d4	8.052	152	267388	9.875	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	62397	1.922	ug/l	99
3) Chloromethane	1.190	50	95854	1.979	ug/l	99
4) Vinyl Chloride	1.227	62	64223	1.964	ug/l	74
5) Bromomethane	1.404	94	16756	1.814	ug/l	98
6) Chloroethane	1.472	64	32989	2.076	ug/l	99
7) Trichlorofluoromethane	1.546	101	68094	1.976	ug/l	100
9) 1,1-Dichloroethene	1.839	96	35176	1.894	ug/l	99
10) Trichlorotrifluoroethane	1.865	151	30913	2.054	ug/l	93
11) Carbon Disulfide	1.865	76	107606	2.012	ug/l	98
12) Acrolein	2.043	56	10274	9.063	ug/l	98
13) Methylene Chloride	2.205	84	33864	1.944	ug/l	92
14) Acetone	2.231	43	3880	2.028	ug/l	96
15) Trans-1,2-Dichloroethene	2.309	96	39319	1.968	ug/l	94
17) Methyl t-Butyl Ether (...)	2.388	73	54792	1.935	ug/l	98
19) 1,1-Dichloroethane	2.707	63	82907	1.963	ug/l	96
20) Acrylonitrile	2.733	53	4645	1.849	ug/l	90
23) Cis-1,2-Dichloroethene	3.062	96	38974	1.904	ug/l	95
24) 2,2-Dichloropropane	3.130	77	67040	2.074	ug/l	99
25) Bromochloromethane	3.193	128	11726	1.968	ug/l#	83
27) Chloroform	3.240	83	64201	1.975	ug/l	98
28) Carbon Tetrachloride	3.340	117	41030	1.862	ug/l	97
29) Tetrahydrofuran (THF)	3.361	42	8528	4.592	ug/l	98
30) 1,1,1-Trichloroethane	3.381	97	59801	1.926	ug/l	96
32) Methyl Ethyl Ketone	3.444	43	4982	1.828	ug/l	89
34) 1,1-Dichloropropene	3.460	75	62330	2.024	ug/l	97
35) Benzene	3.622	78	171221	2.020	ug/l	100
37) 1,2-Dichloroethane	3.758	62	40187	1.947	ug/l	93
39) Trichloroethene	4.020	130	48034	2.020	ug/l	86
40) Dibromomethane	4.297	93	14585	1.849	ug/l	92
41) 1,2-dichloropropane	4.365	63	52418	1.973	ug/l	100
42) Bromodichloromethane	4.412	83	39982	1.839	ug/l	94
43) cis-1,3-Dichloropropene	4.851	75	53891	1.823	ug/l	99
44) Toluene	5.019	92	121983	1.959	ug/l	96
46) 4-Methyl-2-Pentanone	5.290	43	15628	1.910	ug/l	96
47) Tetrachloroethene	5.296	164	44139	2.032	ug/l	94
48) trans-1,3-Dichloropropene	5.311	75	35511	1.858	ug/l	100
49) 1,1,2-Trichloroethane	5.426	97	21197	1.921	ug/l	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_08.D
 Acq On : 22 Jan 2024 1:06 pm
 Operator :
 Client ID : ICAL 2
 Lab ID : VOA 2 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:48 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	Dibromochloromethane	5.557	129	16584	1.767	ug/l	98
52)	1,3-Dichloropropane	5.620	76	41140	2.071	ug/l	100
53)	1,2-Dibromoethane	5.725	107	19321	1.925	ug/l	95
54)	2-Hexanone	5.897	43	9591	1.872	ug/l	96
55)	Chlorobenzene	6.117	112	120375	2.079	ug/l	96
56)	Ethylbenzene	6.143	106	77159	2.121	ug/l	96
57)	1,1,1,2-Tetrachloroethane	6.164	131	25118	1.883	ug/l	90
58)	m&p-Xylene	6.253	106	186630	4.307	ug/l	100
59)	o-Xylene	6.577	106	87869	2.050	ug/l	100
60)	Styrene	6.619	104	128001	2.075	ug/l	98
61)	Bromoform	6.629	173	7140	1.778	ug/l	99
65)	Isopropylbenzene	6.823	120	63780	2.106	ug/l	95
66)	Bromobenzene	7.111	156	44267	2.021	ug/l	92
67)	n-Propylbenzene	7.142	120	63140	2.068	ug/l	99
68)	1,1,2,2-Tetrachloroethane	7.189	83	20635	2.000	ug/l	99
69)	2-Chlorotoluene	7.247	126	50698	2.088	ug/l	95
70)	1,3,5-Trimethylbenzene	7.283	105	202278	2.123	ug/l	100
71)	1,2,3-Trichloropropane	7.278	75	16178	2.002	ug/l	91
73)	4-Chlorotoluene	7.362	126	50756	2.075	ug/l	91
74)	tert-Butylbenzene	7.498	119	169006	2.094	ug/l	97
75)	1,2,4-Trimethylbenzene	7.545	105	202028	2.130	ug/l	100
76)	sec-Butylbenzene	7.618	105	265446	2.092	ug/l	99
77)	p-Isopropyltoluene	7.712	119	214135	2.098	ug/l	99
78)	1,3-Dichlorobenzene	7.749	146	96592	2.080	ug/l	98
79)	1,4-Dichlorobenzene	7.806	146	87952	2.024	ug/l	97
81)	2-Isopropyltoluene	7.869	119	193083	2.068	ug/l	98
82)	n-Butylbenzene	7.968	91	193249	2.056	ug/l	99
83)	1,2-Dichlorobenzene	8.057	146	73613	1.994	ug/l	97
84)	1,2-Dibromo-3-Chloropr...	8.512	155	1641	1.519	ug/l#	84
85)	Hexachlorobutadiene	8.868	225	22619	1.918	ug/l	99
86)	1,2,4-Trichlorobenzene	8.884	180	38552	1.949	ug/l	97
87)	Naphthalene	9.051	128	50296	1.831	ug/l	97
88)	1,2,3-Trichlorobenzene	9.150	180	28199	1.853	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

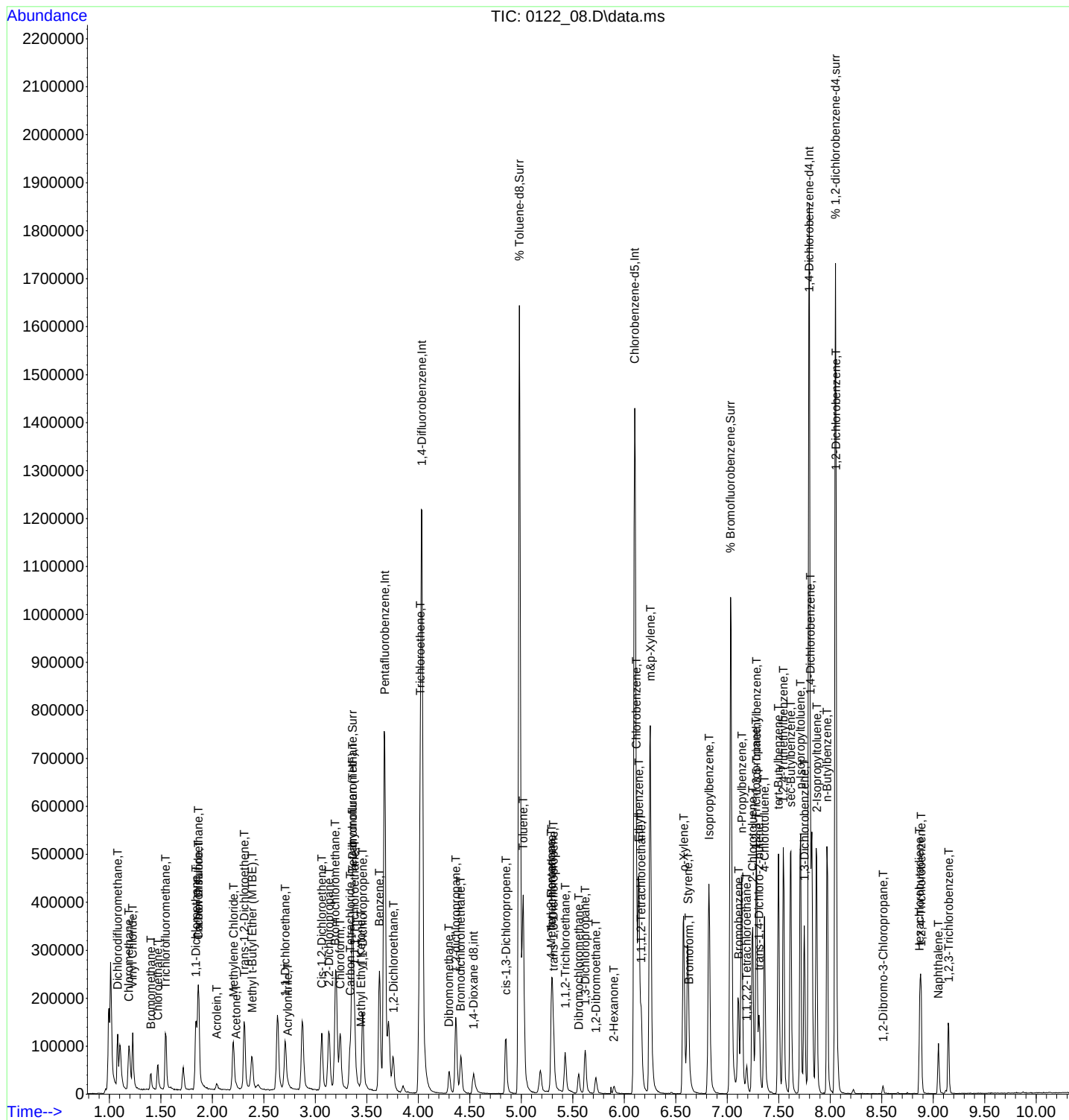
Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\V2024\CHEM17\01JAN\012224\
Data File   : 0122_08.D
Acq On      : 22 Jan 2024   1:06 pm
Operator    :
Client ID   : ICAL 2
Lab ID      : VOA 2 PPB STD.
ALS Vial    : 1   Sample Multiplier: 1

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Quant Time: Jan 22 16:50:48 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon Jan 22 16:50:54 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_09.D
 Acq On : 22 Jan 2024 1:31 pm
 Operator :
 Client ID : ICAL 4
 Lab ID : VOA 4 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:50 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	379916	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	684136	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	607837	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	309468	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	27136	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	30859	10.151	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.50%		
45) % Toluene-d8	4.982	98	849207	9.651	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.50%		
62) % Bromofluorobenzene	7.032	95	292740	9.896	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.00%		
64) % 1,2-dichlorobenzene-d4	8.052	152	262343	9.923	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.20%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	129199	4.411	ug/l	100
3) Chloromethane	1.190	50	193681	4.432	ug/l	99
4) Vinyl Chloride	1.227	62	128720	4.364	ug/l	84
5) Bromomethane	1.404	94	34046	4.085	ug/l	99
6) Chloroethane	1.467	64	62547	4.364	ug/l	98
7) Trichlorofluoromethane	1.546	101	138366	4.451	ug/l	100
9) 1,1-Dichloroethene	1.839	96	74491	4.446	ug/l	94
10) Trichlorotrifluoroethane	1.865	151	58681	4.323	ug/l	98
11) Carbon Disulfide	1.865	76	218259	4.525	ug/l	97
12) Acrolein	2.043	56	22418	21.923	ug/l	95
13) Methylene Chloride	2.205	84	67429	4.292	ug/l	90
14) Acetone	2.231	43	7995	4.633	ug/l	93
15) Trans-1,2-Dichloroethene	2.309	96	79795	4.427	ug/l	94
17) Methyl t-Butyl Ether (...)	2.383	73	109725	4.297	ug/l	98
19) 1,1-Dichloroethane	2.707	63	168951	4.435	ug/l	100
20) Acrylonitrile	2.733	53	9767	4.310	ug/l	90
23) Cis-1,2-Dichloroethene	3.062	96	81300	4.403	ug/l	93
24) 2,2-Dichloropropane	3.130	77	123811	4.247	ug/l	99
25) Bromochloromethane	3.193	128	23316	4.337	ug/l#	84
27) Chloroform	3.240	83	129664	4.421	ug/l	98
28) Carbon Tetrachloride	3.340	117	84294	4.240	ug/l	97
29) Tetrahydrofuran (THF)	3.361	42	16932	10.107	ug/l	92
30) 1,1,1-Trichloroethane	3.382	97	122616	4.377	ug/l	95
32) Methyl Ethyl Ketone	3.444	43	10726	4.363	ug/l	93
34) 1,1-Dichloropropene	3.460	75	124544	4.138	ug/l	97
35) Benzene	3.622	78	337821	4.078	ug/l	99
37) 1,2-Dichloroethane	3.753	62	82982	4.114	ug/l	96
39) Trichloroethene	4.020	130	99083	4.263	ug/l	98
40) Dibromomethane	4.297	93	30866	4.003	ug/l	94
41) 1,2-dichloropropane	4.365	63	105846	4.076	ug/l	100
42) Bromodichloromethane	4.412	83	84178	3.961	ug/l	97
43) cis-1,3-Dichloropropene	4.851	75	115550	3.999	ug/l	99
44) Toluene	5.019	92	253389	4.164	ug/l	99
46) 4-Methyl-2-Pentanone	5.285	43	31333	3.919	ug/l	94
47) Tetrachloroethene	5.296	164	87932	4.143	ug/l	95
48) trans-1,3-Dichloropropene	5.311	75	73850	3.953	ug/l	97
49) 1,1,2-Trichloroethane	5.427	97	42606	3.952	ug/l	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_09.D
 Acq On : 22 Jan 2024 1:31 pm
 Operator :
 Client ID : ICAL 4
 Lab ID : VOA 4 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:50 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	34919	3.727	ug/l	99
52) 1,3-Dichloropropane	5.620	76	81192	4.095	ug/l	98
53) 1,2-Dibromoethane	5.719	107	41310	4.123	ug/l	98
54) 2-Hexanone	5.897	43	19439	3.802	ug/l	99
55) Chlorobenzene	6.112	112	242555	4.198	ug/l	97
56) Ethylbenzene	6.138	106	155563	4.285	ug/l	93
57) 1,1,1,2-Tetrachloroethane	6.164	131	52795	3.965	ug/l	97
58) m&p-Xylene	6.253	106	375138	8.675	ug/l	99
59) o-Xylene	6.577	106	180948	4.229	ug/l	98
60) Styrene	6.614	104	262003	4.256	ug/l	96
61) Bromoform	6.629	173	14974	3.736	ug/l	97
65) Isopropylbenzene	6.823	120	128302	4.338	ug/l	99
66) Bromobenzene	7.105	156	91425	4.274	ug/l	96
67) n-Propylbenzene	7.142	120	130562	4.380	ug/l	94
68) 1,1,2,2-Tetrachloroethane	7.189	83	41040	4.075	ug/l	96
69) 2-Chlorotoluene	7.247	126	101076	4.264	ug/l	93
70) 1,3,5-Trimethylbenzene	7.283	105	412012	4.429	ug/l	98
71) 1,2,3-Trichloropropane	7.278	75	33878	4.293	ug/l#	79
73) 4-Chlorotoluene	7.362	126	101820	4.263	ug/l	92
74) tert-Butylbenzene	7.498	119	344160	4.368	ug/l	97
75) 1,2,4-Trimethylbenzene	7.545	105	406464	4.390	ug/l	100
76) sec-Butylbenzene	7.618	105	548703	4.428	ug/l	99
77) p-Isopropyltoluene	7.712	119	436067	4.375	ug/l	99
78) 1,3-Dichlorobenzene	7.749	146	192465	4.245	ug/l	99
79) 1,4-Dichlorobenzene	7.806	146	181556	4.278	ug/l	98
81) 2-Isopropyltoluene	7.864	119	397386	4.359	ug/l	98
82) n-Butylbenzene	7.968	91	403447	4.397	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	152083	4.219	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.512	155	4049	3.839	ug/l	89
85) Hexachlorobutadiene	8.868	225	49416	4.292	ug/l	99
86) 1,2,4-Trichlorobenzene	8.884	180	81711	4.231	ug/l	99
87) Naphthalene	9.051	128	108543	4.047	ug/l	98
88) 1,2,3-Trichlorobenzene	9.150	180	60939	4.100	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

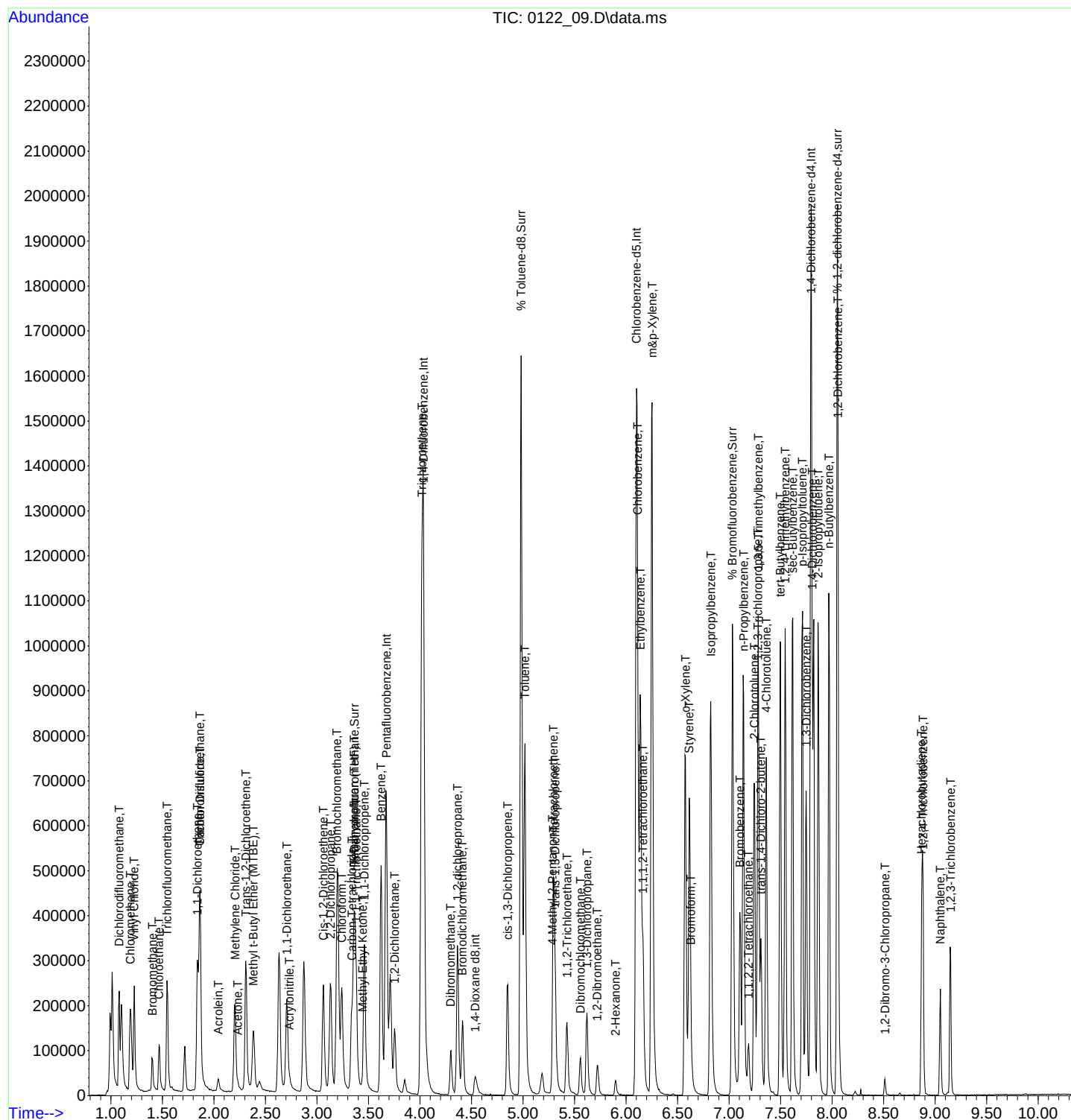
Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\V2024\CHEM17\01JAN\012224\
Data File   : 0122_09.D
Acq On      : 22 Jan 2024   1:31 pm
Operator    :
Client ID   : ICAL 4
Lab ID      : VOA 4 PPB STD.
ALS Vial    : 1   Sample Multiplier: 1

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Quant Time: Jan 22 16:50:50 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon Jan 22 16:50:54 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_10.D
 Acq On : 22 Jan 2024 1:56 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : VOA 10 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 23 10:32:22 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:31:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	378883	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	653646	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	605125	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	310654	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	29127	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.361	192	30318	10.283	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.80%			
45) % Toluene-d8	4.982	98	840704	10.129	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%			
62) % Bromofluorobenzene	7.032	95	294505	9.921	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.20%			
64) % 1,2-dichlorobenzene-d4	8.052	152	265399	10.127	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	308813	10.572	ug/l	100
3) Chloromethane	1.190	50	443414	10.175	ug/l	99
4) Vinyl Chloride	1.227	62	305718	10.394	ug/l	98
5) Bromomethane	1.399	94	88377	10.634	ug/l	97
6) Chloroethane	1.467	64	144718	10.124	ug/l	98
7) Trichlorofluoromethane	1.546	101	322595	10.406	ug/l	100
9) 1,1-Dichloroethene	1.839	96	175430	10.500	ug/l	93
10) Trichlorotrifluoroethane	1.860	151	140011	10.343	ug/l	94
11) Carbon Disulfide	1.865	76	499475	10.383	ug/l	100
12) Acrolein	2.043	56	53943	52.896	ug/l	99
13) Methylene Chloride	2.200	84	156219	9.970	ug/l	91
14) Acetone	2.226	43	16777	9.748	ug/l	98
15) Trans-1,2-Dichloroethene	2.309	96	184221	10.249	ug/l	96
17) Methyl t-Butyl Ether (...)	2.383	73	269069	10.565	ug/l	96
19) 1,1-Dichloroethane	2.707	63	392063	10.319	ug/l	99
20) Acrylonitrile	2.733	53	23068	10.208	ug/l	94
23) Cis-1,2-Dichloroethene	3.063	96	193581	10.513	ug/l	93
24) 2,2-Dichloropropane	3.131	77	297972	10.248	ug/l	98
25) Bromochloromethane	3.193	128	56847	10.604	ug/l#	79
27) Chloroform	3.240	83	299004	10.223	ug/l	99
28) Carbon Tetrachloride	3.340	117	206767	10.428	ug/l	98
29) Tetrahydrofuran (THF)	3.355	42	41128	24.616	ug/l	96
30) 1,1,1-Trichloroethane	3.376	97	286645	10.260	ug/l	96
32) Methyl Ethyl Ketone	3.444	43	23803	9.710	ug/l	96
34) 1,1-Dichloropropene	3.460	75	294429	10.239	ug/l	98
35) Benzene	3.622	78	804960	10.171	ug/l	100
37) 1,2-Dichloroethane	3.753	62	196145	10.177	ug/l	96
39) Trichloroethene	4.020	130	227064	10.224	ug/l	97
40) Dibromomethane	4.297	93	76554	10.392	ug/l	93
41) 1,2-dichloropropane	4.365	63	257983	10.397	ug/l	99
42) Bromodichloromethane	4.412	83	208617	10.276	ug/l	99
43) cis-1,3-Dichloropropene	4.851	75	290212	10.513	ug/l	100
44) Toluene	5.019	92	600083	10.322	ug/l	99
46) 4-Methyl-2-Pentanone	5.285	43	74758	9.786	ug/l	94
47) Tetrachloroethene	5.296	164	206407	10.179	ug/l	97
48) trans-1,3-Dichloropropene	5.312	75	188777	10.577	ug/l	99
49) 1,1,2-Trichloroethane	5.427	97	105204	10.212	ug/l	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_10.D
 Acq On : 22 Jan 2024 1:56 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : VOA 10 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

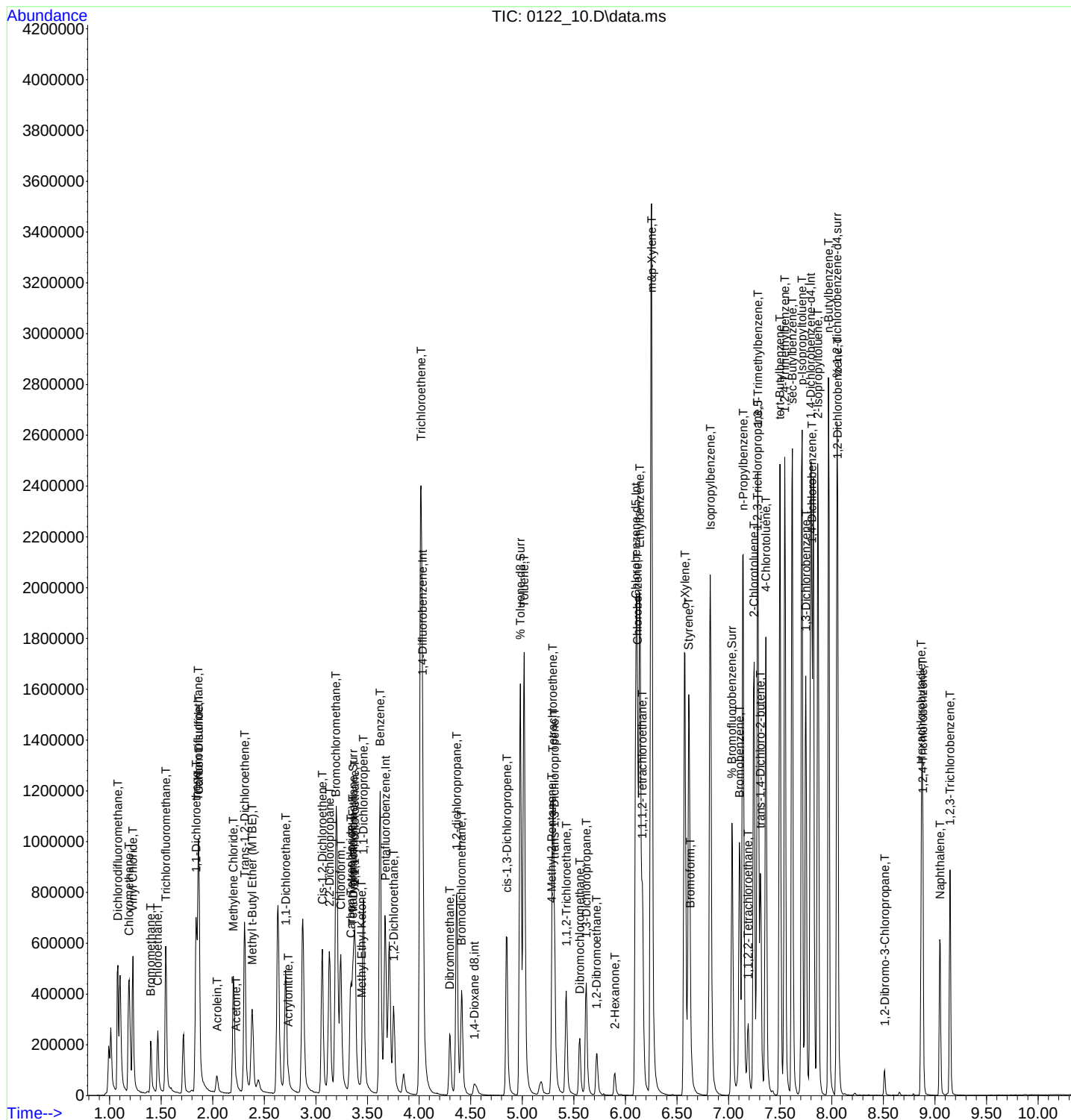
Quant Time: Jan 23 10:32:22 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:31:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	96273	10.321	ug/l	100
52) 1,3-Dichloropropane	5.620	76	200230	10.144	ug/l	99
53) 1,2-Dibromoethane	5.720	107	102432	10.269	ug/l	100
54) 2-Hexanone	5.897	43	49308	9.687	ug/l	91
55) Chlorobenzene	6.117	112	586707	10.200	ug/l	98
56) Ethylbenzene	6.138	106	365862	10.123	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.164	131	138743	10.465	ug/l	98
58) m&p-Xylene	6.253	106	868997	20.185	ug/l	98
59) o-Xylene	6.577	106	437631	10.273	ug/l	95
60) Styrene	6.614	104	631476	10.303	ug/l	97
61) Bromoform	6.630	173	40698	10.200	ug/l	99
65) Isopropylbenzene	6.823	120	306080	10.310	ug/l	98
66) Bromobenzene	7.106	156	220307	10.261	ug/l	93
67) n-Propylbenzene	7.142	120	311139	10.398	ug/l	92
68) 1,1,2,2-Tetrachloroethane	7.189	83	104836	10.369	ug/l	99
69) 2-Chlorotoluene	7.247	126	242183	10.178	ug/l	93
70) 1,3,5-Trimethylbenzene	7.283	105	953477	10.210	ug/l	98
71) 1,2,3-Trichloropropane	7.278	75	80518	10.164	ug/l#	82
72) trans-1,4-Dichloro-2-b...	7.309	75	139002	48.987	ug/l	98
73) 4-Chlorotoluene	7.362	126	241720	10.083	ug/l	94
74) tert-Butylbenzene	7.498	119	811590	10.261	ug/l	97
75) 1,2,4-Trimethylbenzene	7.545	105	964715	10.379	ug/l	99
76) sec-Butylbenzene	7.618	105	1287736	10.352	ug/l	99
77) p-Isopropyltoluene	7.712	119	1036521	10.359	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	460023	10.107	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	434042	10.189	ug/l	98
81) 2-Isopropyltoluene	7.864	119	948096	10.360	ug/l	98
82) n-Butylbenzene	7.968	91	970135	10.532	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	375157	10.367	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	11634	10.988	ug/l	90
85) Hexachlorobutadiene	8.868	225	119416	10.331	ug/l	100
86) 1,2,4-Trichlorobenzene	8.884	180	200611	10.349	ug/l	100
87) Naphthalene	9.051	128	288180	10.704	ug/l	99
88) 1,2,3-Trichlorobenzene	9.145	180	157406	10.551	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

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Data Path : H:\V2024\CHEM17\01JAN\012224\  
Data File : 0122_10.D  
Acq On : 22 Jan 2024 1:56 pm  
Operator :  
Client ID : ICAL 10  
Lab ID : VOA 10 PPB STD.  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Jan 23 10:32:22 2024
Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 23 10:31:19 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_11.D
 Acq On : 22 Jan 2024 2:22 pm
 Operator :
 Client ID : ICAL 20
 Lab ID : VOA 20 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:54 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	375219	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	634643	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	594687	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	315592	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	31921	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.361	192	29061	9.679	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.80%		
45) % Toluene-d8	4.982	98	843340	10.332	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.30%		
62) % Bromofluorobenzene	7.032	95	301136	10.405	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.00%		
64) % 1,2-dichlorobenzene-d4	8.052	152	267465	9.920	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.20%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	602048	20.811	ug/l	100
3) Chloromethane	1.190	50	864648	20.036	ug/l	99
4) Vinyl Chloride	1.227	62	599410	20.578	ug/l	96
5) Bromomethane	1.399	94	180589	21.941	ug/l	97
6) Chloroethane	1.467	64	265251	18.737	ug/l	99
7) Trichlorofluoromethane	1.546	101	610902	19.898	ug/l	99
9) 1,1-Dichloroethene	1.839	96	338650	20.467	ug/l	94
10) Trichlorotrifluoroethane	1.860	151	267203	19.932	ug/l	93
11) Carbon Disulfide	1.865	76	939636	19.724	ug/l	100
12) Acrolein	2.043	56	110505	109.417	ug/l	99
13) Methylene Chloride	2.200	84	309144	19.923	ug/l	89
14) Acetone	2.231	43	32505	19.071	ug/l	92
15) Trans-1,2-Dichloroethene	2.309	96	360350	20.244	ug/l	95
17) Methyl t-Butyl Ether (...)	2.383	73	530937	21.051	ug/l	95
19) 1,1-Dichloroethane	2.707	63	764011	20.304	ug/l	99
20) Acrylonitrile	2.733	53	45877	20.499	ug/l	98
23) Cis-1,2-Dichloroethene	3.063	96	374278	20.525	ug/l	93
24) 2,2-Dichloropropane	3.131	77	576531	20.023	ug/l	98
25) Bromochloromethane	3.188	128	109146	20.559	ug/l#	80
27) Chloroform	3.240	83	586440	20.247	ug/l	100
28) Carbon Tetrachloride	3.340	117	423006	21.542	ug/l	98
29) Tetrahydrofuran (THF)	3.355	42	80386	48.582	ug/l	96
30) 1,1,1-Trichloroethane	3.376	97	567647	20.517	ug/l	96
32) Methyl Ethyl Ketone	3.444	43	49879	20.546	ug/l	96
34) 1,1-Dichloropropene	3.460	75	566511	20.290	ug/l	97
35) Benzene	3.622	78	1552227	20.201	ug/l	100
37) 1,2-Dichloroethane	3.753	62	393576	21.032	ug/l	97
39) Trichloroethene	4.020	130	436243	20.231	ug/l	95
40) Dibromomethane	4.297	93	154895	21.657	ug/l	92
41) 1,2-dichloropropane	4.365	63	504919	20.958	ug/l	99
42) Bromodichloromethane	4.412	83	431613	21.896	ug/l	98
43) cis-1,3-Dichloropropene	4.851	75	600035	22.387	ug/l	100
44) Toluene	5.019	92	1171621	20.756	ug/l	98
46) 4-Methyl-2-Pentanone	5.285	43	153140	20.646	ug/l	93
47) Tetrachloroethene	5.296	164	406315	20.637	ug/l	96
48) trans-1,3-Dichloropropene	5.312	75	387246	22.346	ug/l	97
49) 1,1,2-Trichloroethane	5.427	97	211155	21.111	ug/l	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_11.D
 Acq On : 22 Jan 2024 2:22 pm
 Operator :
 Client ID : ICAL 20
 Lab ID : VOA 20 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:54 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

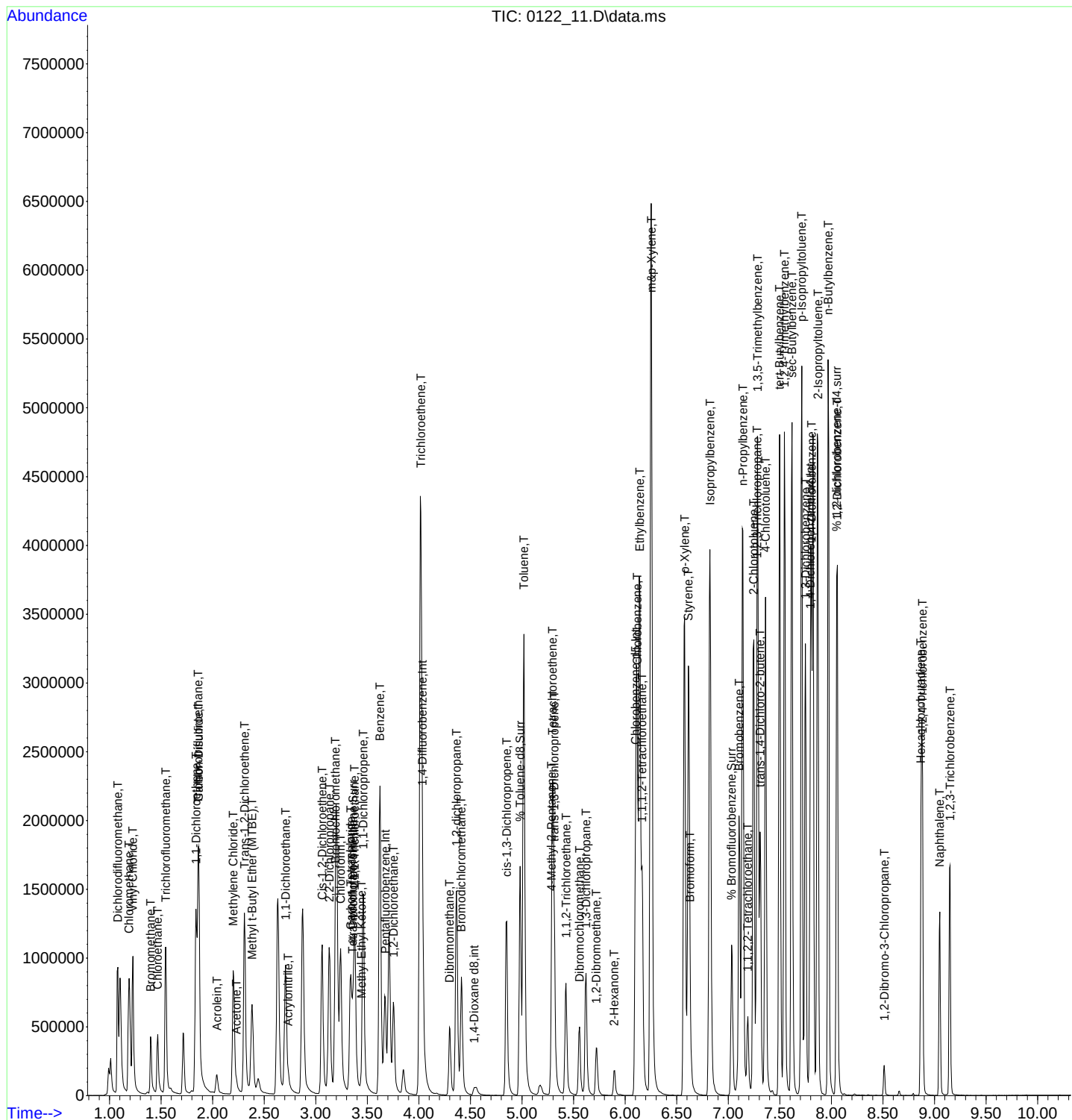
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	215997	23.562	ug/l	100
52) 1,3-Dichloropropane	5.620	76	400749	20.660	ug/l	100
53) 1,2-Dibromoethane	5.720	107	211497	21.576	ug/l	98
54) 2-Hexanone	5.892	43	105128	21.015	ug/l	99
55) Chlorobenzene	6.117	112	1153751	20.411	ug/l	98
56) Ethylbenzene	6.143	106	704500	19.835	ug/l	92
57) 1,1,1,2-Tetrachloroethane	6.164	131	290192	22.274	ug/l	98
58) m&p-Xylene	6.253	106	1645012	38.880	ug/l	94
59) o-Xylene	6.577	106	857665	20.487	ug/l	94
60) Styrene	6.614	104	1240847	20.601	ug/l	96
61) Bromoform	6.630	173	95300	24.305	ug/l	97
65) Isopropylbenzene	6.823	120	600156	19.898	ug/l	95
66) Bromobenzene	7.106	156	444449	20.376	ug/l	93
67) n-Propylbenzene	7.142	120	608728	20.024	ug/l#	88
68) 1,1,2,2-Tetrachloroethane	7.189	83	211713	20.612	ug/l	98
69) 2-Chlorotoluene	7.247	126	477843	19.767	ug/l	92
70) 1,3,5-Trimethylbenzene	7.283	105	1847216	19.471	ug/l	97
71) 1,2,3-Trichloropropane	7.278	75	157240	19.538	ug/l#	80
73) 4-Chlorotoluene	7.362	126	483016	19.832	ug/l	91
74) tert-Butylbenzene	7.498	119	1599961	19.912	ug/l	97
75) 1,2,4-Trimethylbenzene	7.545	105	1852936	19.623	ug/l	97
76) sec-Butylbenzene	7.618	105	2470241	19.548	ug/l	97
77) p-Isopropyltoluene	7.712	119	2031950	19.990	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	918699	19.869	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	863756	19.960	ug/l	98
81) 2-Isopropyltoluene	7.869	119	1842474	19.818	ug/l	97
82) n-Butylbenzene	7.968	91	1884571	20.139	ug/l	97
83) 1,2-Dichlorobenzene	8.057	146	747482	20.332	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	25884	24.065	ug/l	93
85) Hexachlorobutadiene	8.868	225	243220	20.713	ug/l	100
86) 1,2,4-Trichlorobenzene	8.884	180	406658	20.649	ug/l	98
87) Naphthalene	9.051	128	614684	22.474	ug/l	99
88) 1,2,3-Trichlorobenzene	9.151	180	322013	21.246	ug/l	98

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_11.D
 Acq On : 22 Jan 2024 2:22 pm
 Operator :
 Client ID : ICAL 20
 Lab ID : VOA 20 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:54 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_12.D
 Acq On : 22 Jan 2024 2:47 pm
 Operator :
 Client ID : ICAL 30
 Lab ID : VOA 30 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:56 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	390989	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	615896	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	585424	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	317159	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	29668	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.361	192	29305	9.367	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.70%		
45) % Toluene-d8	4.982	98	830496	10.484	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.80%		
62) % Bromofluorobenzene	7.032	95	300959	10.563	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.60%		
64) % 1,2-dichlorobenzene-d4	8.052	152	265939	9.815	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.10%		
Target Compounds						
2) Dichlorodifluoromethane	1.080	85	913643	30.308	ug/l	100
3) Chloromethane	1.190	50	1265070	28.132	ug/l	99
4) Vinyl Chloride	1.227	62	882694	29.081	ug/l	98
5) Bromomethane	1.399	94	284021	33.115	ug/l	95
6) Chloroethane	1.467	64	386531	26.202	ug/l	100
7) Trichlorofluoromethane	1.546	101	899373	28.113	ug/l	99
9) 1,1-Dichloroethene	1.839	96	497489	28.854	ug/l	94
10) Trichlorotrifluoroethane	1.860	151	396906	28.414	ug/l	93
11) Carbon Disulfide	1.865	76	1362691	27.451	ug/l	100
12) Acrolein	2.043	56	163544	155.403	ug/l	99
13) Methylene Chloride	2.205	84	457420	28.289	ug/l	89
14) Acetone	2.231	43	47920	26.981	ug/l	96
15) Trans-1,2-Dichloroethene	2.309	96	529500	28.547	ug/l	95
17) Methyl t-Butyl Ether (...)	2.383	73	787554	29.967	ug/l	96
19) 1,1-Dichloroethane	2.707	63	1130515	28.833	ug/l	99
20) Acrylonitrile	2.733	53	67127	28.784	ug/l	98
23) Cis-1,2-Dichloroethene	3.063	96	552552	29.079	ug/l	94
24) 2,2-Dichloropropane	3.131	77	857715	28.587	ug/l	98
25) Bromochloromethane	3.193	128	163417	29.540	ug/l#	77
27) Chloroform	3.240	83	864057	28.628	ug/l	99
28) Carbon Tetrachloride	3.340	117	645137	31.530	ug/l	98
29) Tetrahydrofuran (THF)	3.355	42	115335	66.893	ug/l	95
30) 1,1,1-Trichloroethane	3.382	97	850169	29.489	ug/l	96
32) Methyl Ethyl Ketone	3.444	43	75646	29.902	ug/l	98
34) 1,1-Dichloropropene	3.460	75	831769	30.698	ug/l	97
35) Benzene	3.622	78	2361955	31.674	ug/l	100
37) 1,2-Dichloroethane	3.753	62	582595	32.081	ug/l	97
39) Trichloroethene	4.020	130	634949	30.343	ug/l	94
40) Dibromomethane	4.297	93	233727	33.673	ug/l	91
41) 1,2-dichloropropane	4.365	63	746559	31.932	ug/l	99
42) Bromodichloromethane	4.412	83	665031	34.764	ug/l	99
43) cis-1,3-Dichloropropene	4.851	75	910951	35.022	ug/l	100
44) Toluene	5.019	92	1718873	31.377	ug/l	97
46) 4-Methyl-2-Pentanone	5.285	43	227700	31.632	ug/l	94
47) Tetrachloroethene	5.296	164	599939	31.399	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	580373	34.510	ug/l	96
49) 1,1,2-Trichloroethane	5.427	97	318835	32.847	ug/l	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_12.D
 Acq On : 22 Jan 2024 2:47 pm
 Operator :
 Client ID : ICAL 30
 Lab ID : VOA 30 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:56 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

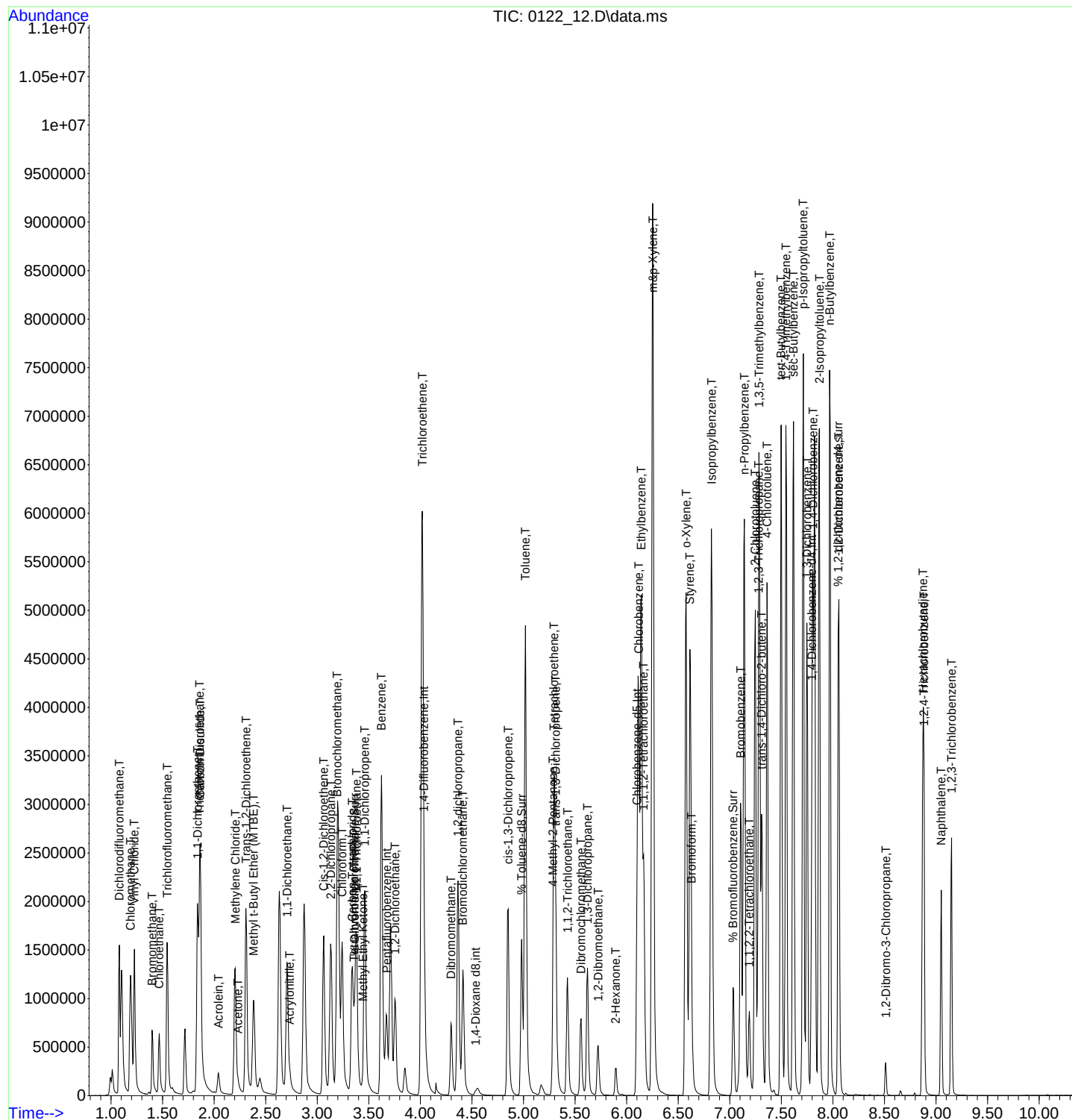
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	341960	37.894	ug/l	100
52) 1,3-Dichloropropane	5.620	76	596251	31.224	ug/l	99
53) 1,2-Dibromoethane	5.725	107	316887	32.839	ug/l	100
54) 2-Hexanone	5.892	43	161640	32.823	ug/l	99
55) Chlorobenzene	6.117	112	1677504	30.146	ug/l	98
56) Ethylbenzene	6.143	106	1033967	29.572	ug/l	88
57) 1,1,1,2-Tetrachloroethane	6.164	131	454946	35.472	ug/l	99
58) m&p-Xylene	6.253	106	2365767	56.801	ug/l	89
59) o-Xylene	6.577	106	1266518	30.732	ug/l	90
60) Styrene	6.614	104	1817918	30.660	ug/l	97
61) Bromoform	6.630	173	154359	39.989	ug/l	98
65) Isopropylbenzene	6.823	120	888750	29.321	ug/l	91
66) Bromobenzene	7.105	156	664094	30.295	ug/l	93
67) n-Propylbenzene	7.142	120	896108	29.332	ug/l#	82
68) 1,1,2,2-Tetrachloroethane	7.189	83	325783	31.561	ug/l	99
69) 2-Chlorotoluene	7.247	126	712633	29.334	ug/l	92
70) 1,3,5-Trimethylbenzene	7.283	105	2662358	27.925	ug/l	95
71) 1,2,3-Trichloropropane	7.278	75	232583	28.757	ug/l#	81
73) 4-Chlorotoluene	7.362	126	722454	29.517	ug/l	88
74) tert-Butylbenzene	7.498	119	2339744	28.975	ug/l	97
75) 1,2,4-Trimethylbenzene	7.545	105	2654380	27.971	ug/l	95
76) sec-Butylbenzene	7.618	105	3520021	27.718	ug/l	95
77) p-Isopropyltoluene	7.712	119	2900346	28.392	ug/l	97
78) 1,3-Dichlorobenzene	7.749	146	1371726	29.520	ug/l	97
79) 1,4-Dichlorobenzene	7.806	146	1294410	29.764	ug/l	97
81) 2-Isopropyltoluene	7.869	119	2641627	28.273	ug/l	97
82) n-Butylbenzene	7.968	91	2670172	28.394	ug/l	95
83) 1,2-Dichlorobenzene	8.057	146	1122299	30.376	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	42716	39.518	ug/l	90
85) Hexachlorobutadiene	8.873	225	351833	29.815	ug/l	99
86) 1,2,4-Trichlorobenzene	8.884	180	604754	30.557	ug/l	99
87) Naphthalene	9.051	128	949640	34.550	ug/l	98
88) 1,2,3-Trichlorobenzene	9.150	180	497100	32.637	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM17\01JAN\012224\
Data File : 0122_12.D
Acq On : 22 Jan 2024 2:47 pm
Operator :
Client ID : ICAL 30
Lab ID : VOA 30 PPB STD.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:56 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon Jan 22 16:50:54 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM02 Calibration Date: 02/05/24 Time: 07:04

Lab File Id: 0205_02.D Init. Calib. Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Init. Calib. Times: 13:46 16:08

GC Column: RTX-VMS Method File: VT-P020324.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Pentafluorobenzene (IS Area/Area%)	289997	287046	n.a.	99.0	50-200
1,4-Difluorobenzene (IS Area/Area%)	473758	462352	n.a.	97.6	50-200
Chlorobenzene-d5 (IS Area/Area%)	402936	398672	n.a.	98.9	50-200
1,4-Dichlorobenzene-d4 (IS Area/Area%)	228717	234998	n.a.	102.7	50-200
1,4-Dioxane d8 (IS Area/Area%)	22295	26323	n.a.	118.1	n.a.
Dichlorodifluoromethane	0.298	0.370	0.010	-24.2 +	20 (60)
Chloromethane	0.432	0.421	0.010	2.5	20 (60)
Vinyl Chloride	0.357	0.394	0.010	-10.4	20 (40)
Bromomethane	0.161	0.144	0.010	10.6	20 (60)
Chloroethane	0.215	0.228	0.010	-6.0	20 (40)
Trichlorofluoromethane	0.372	0.460	0.010	-23.7 +	20 (40)
1,1-Dichloroethene	0.229	0.260	0.060	-13.5	20 (40)
Trichlorotrifluoroethane	0.152	0.196	0.050	-28.9 +	20 (40)
Carbon Disulfide	0.728	0.781	0.100	-7.3	20 (40)
Acrolein	0.014	0.017	* 0.050	-21.4 +	20 (40)
Methylene Chloride	0.261	0.260	0.010	0.4	20 (40)
Acetone	0.027	0.031	0.010	-14.8	20 (60)
Trans-1,2-Dichloroethene	0.271	0.285	0.100	-5.2	20 (40)
Methyl t-Butyl Ether (MTBE)	0.384	0.421	0.100	-9.6	20 (40)
1,1-Dichloroethane	0.555	0.570	0.300	-2.7	20 (40)
Acrylonitrile	0.033	0.036	* 0.050	-9.1	20 (40)
Cis-1,2-Dichloroethene	0.287	0.292	0.200	-1.7	20 (40)
2,2-Dichloropropane	0.431	0.465	0.050	-7.9	20 (40)
Bromochloromethane	0.094	0.096	* 0.100	-2.1	20 (40)
Chloroform	0.493	0.511	0.300	-3.7	20 (40)
Carbon Tetrachloride	0.311	0.350	0.100	-12.5	20 (40)
Tetrahydrofuran (THF)	0.029	0.028	* 0.050	3.4	20 (40)
1,1,1-Trichloroethane	0.405	0.437	0.050	-7.9	20 (40)
Methyl Ethyl Ketone	0.038	0.041	0.010	-7.9	20 (60)
1,1-Dichloropropene	0.229	0.252	0.050	-10.0	20 (40)
Benzene	0.708	0.724	0.200	-2.3	20 (40)
1,2-Dichloroethane	0.148	0.158	0.070	-6.8	20 (40)
Trichloroethene	0.175	0.183	* 0.200	-4.6	20 (40)
Dibromomethane	0.056	0.060	0.050	-7.1	20 (40)
1,2-dichloropropane	0.169	0.173	* 0.200	-2.4	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM02 Calibration Date: 02/05/24 Time: 07:04

Lab File Id: 0205_02.D Init. Calib. Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Init. Calib. Times: 13:46 16:08

GC Column: RTX-VMS Method File: VT-P020324.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Bromodichloromethane	0.170	0.184	* 0.300	-8.2	20 (40)
cis-1,3-Dichloropropene	0.218	0.233	* 0.300	-6.9	20 (40)
Toluene	0.424	0.436	0.300	-2.8	20 (40)
4-Methyl-2-Pentanone	0.054	0.060	0.030	-11.1	20 (60)
Tetrachloroethene	0.126	0.137	0.100	-8.7	20 (40)
trans-1,3-Dichloropropene	0.153	0.165	* 0.300	-7.8	20 (40)
1,1,2-Trichloroethane	0.074	0.080	* 0.200	-8.1	20 (40)
Dibromochloromethane	0.101	0.111	* 0.200	-9.9	20 (40)
1,3-Dichloropropane	0.162	0.173	0.050	-6.8	20 (40)
1,2-Dibromoethane	0.080	0.089	* 0.200	-11.3	20 (40)
2-Hexanone	0.038	0.046	0.010	-21.1 +	20 (60)
Chlorobenzene	0.499	0.512	0.400	-2.6	20 (40)
Ethylbenzene	0.288	0.296	* 0.400	-2.8	20 (40)
1,1,1,2-Tetrachloroethane	0.137	0.146	0.050	-6.6	20 (40)
m&p-Xylene	0.363	0.375	0.200	-3.3	20 (40)
o-Xylene	0.347	0.356	0.200	-2.6	20 (40)
Styrene	0.521	0.552	0.200	-6.0	20 (40)
Bromoform	0.040	0.044	* 0.100	-10.0	20 (40)
Isopropylbenzene	0.432	0.434	0.400	-0.5	20 (40)
Bromobenzene	0.322	0.321	0.050	0.3	20 (40)
n-Propylbenzene	0.452	0.460	0.050	-1.8	20 (40)
1,1,2,2-Tetrachloroethane	0.152	0.161	* 0.200	-5.9	20 (40)
2-Chlorotoluene	0.388	0.388	0.050	0.0	20 (40)
1,3,5-Trimethylbenzene	1.398	1.410	0.050	-0.9	20 (40)
1,2,3-Trichloropropane	0.129	0.136	0.050	-5.4	20 (40)
trans-1,4-Dichloro-2-butene	0.052	0.058	0.050	-11.5	20 (40)
4-Chlorotoluene	0.396	0.400	0.050	-1.0	20 (40)
tert-Butylbenzene	1.173	1.212	0.050	-3.3	20 (40)
1,2,4-Trimethylbenzene	1.417	1.441	0.050	-1.7	20 (40)
sec-Butylbenzene	1.736	1.854	0.050	-6.8	20 (40)
p-Isopropyltoluene	1.523	1.597	0.050	-4.9	20 (40)
1,3-Dichlorobenzene	0.710	0.716	0.500	-0.8	20 (40)
1,4-Dichlorobenzene	0.686	0.697	0.600	-1.6	20 (40)
2-Isopropyltoluene	1.443	1.467	0.050	-1.7	20 (40)
n-Butylbenzene	1.391	1.520	0.050	-9.3	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCP97096
Instrument:	CHEM02		Calibration Date:	02/05/24	Time: 07:04
Lab File Id:	0205_02.D		Init. Calib. Date(s):	02/03/24	02/03/24
Heated Purge (Y/N):	N		Init. Calib. Times:	13:46	16:08
GC Column:	RTX-VMS		Method File: VT-P020324.M		

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_02.D
 Acq On : 5 Feb 2024 7:04 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 07:17:41 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:22:45 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 INT	Pentafluorobenzene	1.000	1.000	0.0	99
2 T	Dichlorodifluoromethane	0.298	0.370	-24.2	
3 T	Chloromethane	0.432	0.421	2.5	
4 T	Vinyl Chloride	0.357	0.394	-10.4	
5 T	Bromomethane	0.161	0.144	10.6	
6 T	Chloroethane	0.215	0.228	-6.0	
7 T	Trichlorofluoromethane	0.372	0.460	-23.7	
9 T	1,1-Dichloroethene	0.229	0.260	-13.5	
10 T	Trichlorotrifluoroethane	0.152	0.196	-28.9	
11 T	Carbon Disulfide	0.728	0.781	-7.3	
12 T	Acrolein	0.014	0.017	-21.4	
13 T	Methylene Chloride	0.261	0.260	0.4	
14 T	Acetone	0.027	0.031	-14.8	
15 T	Trans-1,2-Dichloroethene	0.271	0.285	-5.2	
17 T	Methyl t-Butyl Ether (MTBE)	0.384	0.421	-9.6	
19 T	1,1-Dichloroethane	0.555	0.570	-2.7	
20 T	Acrylonitrile	0.033	0.036	-9.1	
23 T	Cis-1,2-Dichloroethene	0.287	0.292	-1.7	
24 T	2,2-Dichloropropane	0.431	0.465	-7.9	
25 T	Bromochloromethane	0.094	0.096	-2.1	
27 T	Chloroform	0.493	0.511	-3.7	
28 T	Carbon Tetrachloride	0.311	0.350	-12.5	
29 T	Tetrahydrofuran (THF)	0.029	0.028	3.4	
30 T	1,1,1-Trichloroethane	0.405	0.437	-7.9	
31 SURR	% Dibromofluoromethane	0.079	0.078	1.3	
32 T	Methyl Ethyl Ketone	0.038	0.041	-7.9	
33 INT	1,4-Difluorobenzene	1.000	1.000	0.0	98
34 T	1,1-Dichloropropene	0.229	0.252	-10.0	
35 T	Benzene	0.708	0.724	-2.3	
37 T	1,2-Dichloroethane	0.148	0.158	-6.8	
39 T	Trichloroethene	0.175	0.183	-4.6	
40 T	Dibromomethane	0.056	0.060	-7.1	
41 T	1,2-dichloropropane	0.169	0.173	-2.4	
42 T	Bromodichloromethane	0.170	0.184	-8.2	
43 T	cis-1,3-Dichloropropene	0.218	0.233	-6.9	
44 T	Toluene	0.424	0.436	-2.8	
45 SURR	% Toluene-d8	1.228	1.235	-0.6	
46 T	4-Methyl-2-Pentanone	0.054	0.060	-11.1	
47 T	Tetrachloroethene	0.126	0.137	-8.7	
48 T	trans-1,3-Dichloropropene	0.153	0.165	-7.8	
49 T	1,1,2-Trichloroethane	0.074	0.080	-8.1	
50 INT	Chlorobenzene-d5	1.000	1.000	0.0	99
51 T	Dibromochloromethane	0.101	0.111	-9.9	
52 T	1,3-Dichloropropane	0.162	0.173	-6.8	
53 T	1,2-Dibromoethane	0.080	0.089	-11.2	
54 T	2-Hexanone	0.038	0.046	-21.1	
55 T	Chlorobenzene	0.499	0.512	-2.6	
56 T	Ethylbenzene	0.288	0.296	-2.8	
57 T	1,1,1,2-Tetrachloroethane	0.137	0.146	-6.6	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_02.D
 Acq On : 5 Feb 2024 7:04 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 07:17:41 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:22:45 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
58 T	m&p-Xylene	0.363	0.375	-3.3	
59 T	o-Xylene	0.347	0.356	-2.6	
60 T	Styrene	0.521	0.552	-6.0	
61 T	Bromoform	0.040	0.044	-10.0	
62 SURR	% Bromofluorobenzene	0.506	0.516	-2.0	
63 INT	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103
64 SURR	% 1,2-dichlorobenzene-d4	0.832	0.838	-0.7	
65 T	Isopropylbenzene	0.432	0.434	-0.5	
66 T	Bromobenzene	0.322	0.321	0.3	
67 T	n-Propylbenzene	0.452	0.460	-1.8	
68 T	1,1,2,2-Tetrachloroethane	0.152	0.161	-5.9	
69 T	2-Chlorotoluene	0.388	0.388	0.0	
70 T	1,3,5-Trimethylbenzene	1.398	1.410	-0.9	
71 T	1,2,3-Trichloropropane	0.129	0.136	-5.4	
72 T	trans-1,4-Dichloro-2-butene	0.052	0.058	-11.5	
73 T	4-Chlorotoluene	0.396	0.400	-1.0	
74 T	tert-Butylbenzene	1.173	1.212	-3.3	
75 T	1,2,4-Trimethylbenzene	1.417	1.441	-1.7	
76 T	sec-Butylbenzene	1.736	1.854	-6.8	
77 T	p-Isopropyltoluene	1.523	1.597	-4.9	
78 T	1,3-Dichlorobenzene	0.710	0.716	-0.8	
79 T	1,4-Dichlorobenzene	0.678	0.697	-2.8	
81 T	2-Isopropyltoluene	1.443	1.467	-1.7	
82 T	n-Butylbenzene	1.391	1.520	-9.3	
83 T	1,2-Dichlorobenzene	0.576	0.592	-2.8	
84 T	1,2-Dibromo-3-Chloropropane	0.019	0.022	-15.8	
85 T	Hexachlorobutadiene	0.173	0.187	-8.1	
86 T	1,2,4-Trichlorobenzene	0.339	0.353	-4.1	
87 T	Naphthalene	0.525	0.572	-9.0	
88 T	1,2,3-Trichlorobenzene	0.264	0.281	-6.4	
89 INT	1,4-Dioxane d8	1.000	1.000	0.0	118

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, gf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_02.D
 Acq On : 5 Feb 2024 7:04 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 07:17:41 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:22:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	287046	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	462352	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	398672	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	234998	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.688	96	26323	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	22257	9.859	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.60%	
45) % Toluene-d8	5.132	98	571143	10.062	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.60%	
62) % Bromofluorobenzene	7.167	95	205656	10.188	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.90%	
64) % 1,2-dichlorobenzene-d4	8.155	152	196928	10.072	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	106095	12.421	ug/l	99
3) Chloromethane	1.262	50	120984	9.765	ug/l	99
4) Vinyl Chloride	1.309	62	113148	11.038	ug/l	98
5) Bromomethane	1.497	94	41327	8.929	ug/l	99
6) Chloroethane	1.570	64	65560	10.620	ug/l	96
7) Trichlorofluoromethane	1.654	101	132158	12.385	ug/l	99
9) 1,1-Dichloroethene	1.968	96	74490	11.313	ug/l	97
10) Trichlorotrifluoroethane	1.994	151	56357	12.953	ug/l	98
11) Carbon Disulfide	1.999	76	224120	10.730	ug/l	99
12) Acrolein	2.182	56	23879	60.584	ug/l	93
13) Methylene Chloride	2.344	84	74560	9.970	ug/l	90
14) Acetone	2.376	43	8869	11.498	ug/l	98
15) Trans-1,2-Dichloroethene	2.459	96	81839	10.507	ug/l	98
17) Methyl t-Butyl Ether (...)	2.533	73	120813	10.960	ug/l	99
19) 1,1-Dichloroethane	2.862	63	163749	10.277	ug/l	98
20) Acrylonitrile	2.883	53	10265	10.908	ug/l	95
23) Cis-1,2-Dichloroethene	3.218	96	83781	10.157	ug/l	97
24) 2,2-Dichloropropane	3.286	77	133398	10.777	ug/l	98
25) Bromochloromethane	3.349	128	27682	10.294	ug/l	88
27) Chloroform	3.396	83	146690	10.359	ug/l	99
28) Carbon Tetrachloride	3.495	117	100513	11.272	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	20333	24.843	ug/l	96
30) 1,1,1-Trichloroethane	3.537	97	125331	10.773	ug/l	98
32) Methyl Ethyl Ketone	3.594	43	11902	10.994	ug/l	82
34) 1,1-Dichloropropene	3.615	75	116450	11.021	ug/l	98
35) Benzene	3.778	78	334536	10.224	ug/l	100
37) 1,2-Dichloroethane	3.908	62	72852	10.660	ug/l	97
39) Trichloroethene	4.170	130	84427	10.419	ug/l	96
40) Dibromomethane	4.452	93	27685	10.614	ug/l	97
41) 1,2-dichloropropane	4.520	63	80114	10.280	ug/l	97
42) Bromodichloromethane	4.562	83	84858	10.799	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	107881	10.700	ug/l	99
44) Toluene	5.169	92	201719	10.295	ug/l	100
46) 4-Methyl-2-Pentanone	5.430	43	27950	11.213	ug/l	98
47) Tetrachloroethene	5.446	164	63186	10.848	ug/l	96
48) trans-1,3-Dichloropropene	5.456	75	76145	10.750	ug/l	98
49) 1,1,2-Trichloroethane	5.571	97	36781	10.811	ug/l	93

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_02.D
 Acq On : 5 Feb 2024 7:04 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 07:17:41 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:22:45 2024
 Response via : Initial Calibration

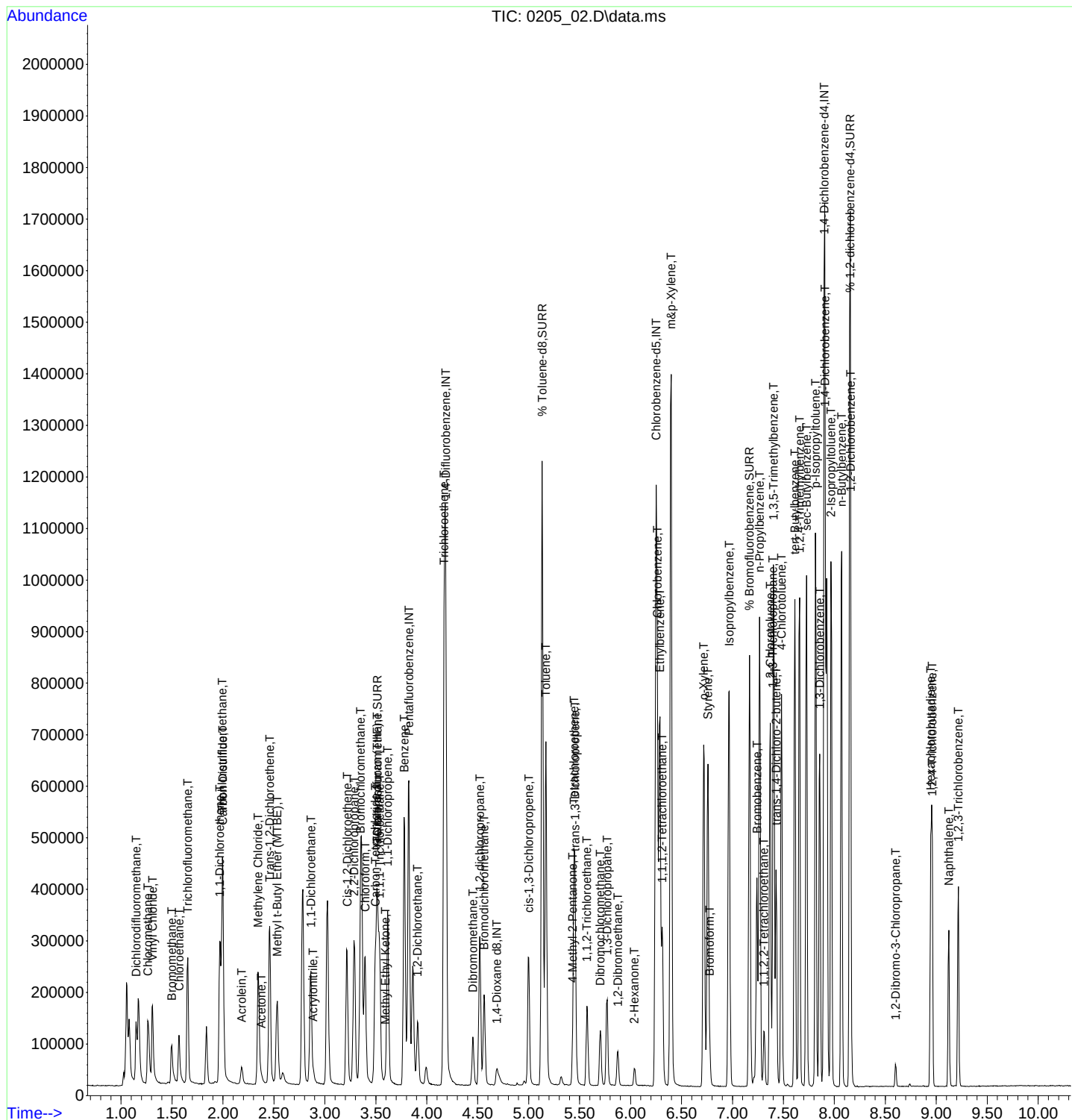
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	44193	10.931	ug/l	98
52) 1,3-Dichloropropane	5.770	76	68823	10.641	ug/l	98
53) 1,2-Dibromoethane	5.875	107	35390	11.059	ug/l	98
54) 2-Hexanone	6.037	43	18411	12.139	ug/l	95
55) Chlorobenzene	6.262	112	203976	10.248	ug/l	96
56) Ethylbenzene	6.288	106	118139	10.279	ug/l	96
57) 1,1,1,2-Tetrachloroethane	6.309	131	58069	10.596	ug/l	96
58) m&p-Xylene	6.398	106	299042	20.662	ug/l	100
59) o-Xylene	6.717	106	142013	10.268	ug/l	98
60) Styrene	6.759	104	219890	10.578	ug/l	99
61) Bromoform	6.774	173	17378	10.878	ug/l	99
65) Isopropylbenzene	6.968	120	102069	10.045	ug/l	95
66) Bromobenzene	7.240	156	75375	9.962	ug/l	88
67) n-Propylbenzene	7.266	120	108048	10.178	ug/l#	86
68) 1,1,2,2-Tetrachloroethane	7.308	83	37771	10.549	ug/l	99
69) 2-Chlorotoluene	7.371	126	91209	10.003	ug/l	84
70) 1,3,5-Trimethylbenzene	7.402	105	331355	10.088	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	31894	10.529	ug/l	81
72) trans-1,4-Dichloro-2-b...	7.428	75	68577	56.098	ug/l	85
73) 4-Chlorotoluene	7.481	126	94061	10.116	ug/l	93
74) tert-Butylbenzene	7.611	119	284876	10.339	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	338562	10.167	ug/l	100
76) sec-Butylbenzene	7.726	105	435586	10.675	ug/l	97
77) p-Isopropyltoluene	7.815	119	375197	10.480	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	168348	10.094	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	163735	10.162	ug/l	100
81) 2-Isopropyltoluene	7.967	119	344637	10.165	ug/l	99
82) n-Butylbenzene	8.072	91	357093	10.923	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	139060	10.280	ug/l	100
84) 1,2-Dibromo-3-Chloropr...	8.600	155	5176	11.814	ug/l	88
85) Hexachlorobutadiene	8.945	225	44012	10.822	ug/l	99
86) 1,2,4-Trichlorobenzene	8.961	180	83064	10.422	ug/l	96
87) Naphthalene	9.123	128	134470	10.894	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	66105	10.651	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
Data File : 0205_02.D
Acq On : 5 Feb 2024 7:04 am
Operator :
Client ID : CCAL 10 - BFB TUNE
Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 07:17:41 2024
Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Sat Feb 03 16:22:45 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM02 Calibration Date: 02/05/24 Time: 17:21

Lab File Id: 0205_27.D Init. Calib. Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Init. Calib. Times: 13:46 16:08

GC Column: RTX-VMS Method File: VT-P020324.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	0.298	0.349	0.010	-17.1	50
Chloromethane	0.432	0.393	0.010	9.0	50
Vinyl Chloride	0.357	0.388	0.010	-8.7	50
Bromomethane	0.161	0.152	0.010	5.6	50
Chloroethane	0.215	0.236	0.010	-9.8	50
Trichlorofluoromethane	0.372	0.474	0.010	-27.4	50
1,1-Dichloroethene	0.229	0.251	0.010	-9.6	50
Trichlorotrifluoroethane	0.152	0.191	0.010	-25.7	50
Carbon Disulfide	0.728	0.768	0.010	-5.5	50
Acrolein	0.014	0.016	0.010	-14.3	50
Methylene Chloride	0.261	0.257	0.010	1.5	50
Acetone	0.027	0.032	0.010	-18.5	50
Trans-1,2-Dichloroethene	0.271	0.280	0.010	-3.3	50
Methyl t-Butyl Ether (MTBE)	0.384	0.410	0.010	-6.8	50
1,1-Dichloroethane	0.555	0.586	0.010	-5.6	50
Acrylonitrile	0.033	0.036	0.010	-9.1	50
Cis-1,2-Dichloroethene	0.287	0.289	0.010	-0.7	50
2,2-Dichloropropane	0.431	0.364	0.010	15.5	50
Bromochloromethane	0.094	0.097	0.010	-3.2	50
Chloroform	0.493	0.513	0.010	-4.1	50
Carbon Tetrachloride	0.311	0.329	0.010	-5.8	50
Tetrahydrofuran (THF)	0.029	0.029	0.010	0.0	50
1,1,1-Trichloroethane	0.405	0.437	0.010	-7.9	50
Methyl Ethyl Ketone	0.038	0.047	0.010	-23.7	50
1,1-Dichloropropene	0.229	0.250	0.010	-9.2	50
Benzene	0.708	0.728	0.010	-2.8	50
1,2-Dichloroethane	0.148	0.160	0.010	-8.1	50
Trichloroethene	0.175	0.180	0.010	-2.9	50
Dibromomethane	0.056	0.059	0.010	-5.4	50
1,2-dichloropropane	0.169	0.176	0.010	-4.1	50
Bromodichloromethane	0.170	0.175	0.010	-2.9	50
cis-1,3-Dichloropropene	0.218	0.213	0.010	2.3	50
Toluene	0.424	0.429	0.010	-1.2	50
4-Methyl-2-Pentanone	0.054	0.059	0.010	-9.3	50
Tetrachloroethene	0.126	0.132	0.010	-4.8	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM02 Calibration Date: 02/05/24 Time: 17:21

Lab File Id: 0205_27.D Init. Calib. Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Init. Calib. Times: 13:46 16:08

GC Column: RTX-VMS Method File: VT-P020324.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
trans-1,3-Dichloropropene	0.153	0.149	0.010	2.6	50
1,1,2-Trichloroethane	0.074	0.079	0.010	-6.8	50
Dibromochloromethane	0.101	0.101	0.010	0.0	50
1,3-Dichloropropane	0.162	0.179	0.010	-10.5	50
1,2-Dibromoethane	0.080	0.090	0.010	-12.5	50
2-Hexanone	0.038	0.044	0.010	-15.8	50
Chlorobenzene	0.499	0.514	0.010	-3.0	50
Ethylbenzene	0.288	0.296	0.010	-2.8	50
1,1,1,2-Tetrachloroethane	0.137	0.134	0.010	2.2	50
m&p-Xylene	0.363	0.373	0.010	-2.8	50
o-Xylene	0.347	0.352	0.010	-1.4	50
Styrene	0.521	0.550	0.010	-5.6	50
Bromoform	0.040	0.035	0.010	12.5	50
Isopropylbenzene	0.432	0.426	0.010	1.4	50
Bromobenzene	0.322	0.315	0.010	2.2	50
n-Propylbenzene	0.452	0.440	0.010	2.7	50
1,1,2,2-Tetrachloroethane	0.152	0.157	0.010	-3.3	50
2-Chlorotoluene	0.388	0.379	0.010	2.3	50
1,3,5-Trimethylbenzene	1.398	1.383	0.010	1.1	50
1,2,3-Trichloropropane	0.129	0.137	0.010	-6.2	50
trans-1,4-Dichloro-2-butene	0.052	0.039	0.010	25.0	50
4-Chlorotoluene	0.396	0.395	0.010	0.3	50
tert-Butylbenzene	1.173	1.185	0.010	-1.0	50
1,2,4-Trimethylbenzene	1.417	1.427	0.010	-0.7	50
sec-Butylbenzene	1.736	1.806	0.010	-4.0	50
p-Isopropyltoluene	1.523	1.563	0.010	-2.6	50
1,3-Dichlorobenzene	0.710	0.702	0.010	1.1	50
1,4-Dichlorobenzene	0.686	0.692	0.010	-0.9	50
2-Isopropyltoluene	1.443	1.471	0.010	-1.9	50
n-Butylbenzene	1.391	1.453	0.010	-4.5	50
1,2-Dichlorobenzene	0.576	0.591	0.010	-2.6	50
1,2-Dibromo-3-Chloropropane	0.019	0.019	0.010	0.0	50
Hexachlorobutadiene	0.173	0.175	0.010	-1.2	50
1,2,4-Trichlorobenzene	0.339	0.340	0.010	-0.3	50
Naphthalene	0.525	0.558	0.010	-6.3	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCP97096
Instrument:	CHEM02		Calibration Date:	02/05/24	Time: 17:21
Lab File Id:	0205_27.D		Init. Calib. Date(s):	02/03/24	02/03/24
Heated Purge (Y/N):	N		Init. Calib. Times:	13:46	16:08
GC Column:	RTX-VMS		Method File: VT-P020324.M		

[illegible]

(*) Recommended RRF not met. (+) %D exceeds criteria. (%) %D exceeds (maximum) criteria.
%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D.
(*) Recommended RRF not met. (#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_27.D
 Acq On : 5 Feb 2024 5:21 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:07 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 INT	Pentafluorobenzene	1.000	1.000	0.0	83
2 T	Dichlorodifluoromethane	0.298	0.349	-17.1	
3 T	Chloromethane	0.432	0.393	9.0	
4 T	Vinyl Chloride	0.357	0.388	-8.7	
5 T	Bromomethane	0.161	0.152	5.6	
6 T	Chloroethane	0.215	0.236	-9.8	
7 T	Trichlorofluoromethane	0.372	0.474	-27.4	
9 T	1,1-Dichloroethene	0.229	0.251	-9.6	
10 T	Trichlorotrifluoroethane	0.152	0.191	-25.7	
11 T	Carbon Disulfide	0.728	0.768	-5.5	
12 T	Acrolein	0.014	0.016	-14.3	
13 T	Methylene Chloride	0.261	0.257	1.5	
14 T	Acetone	0.027	0.032	-18.5	
15 T	Trans-1,2-Dichloroethene	0.271	0.280	-3.3	
17 T	Methyl t-Butyl Ether (MTBE)	0.384	0.410	-6.8	
19 T	1,1-Dichloroethane	0.555	0.586	-5.6	
20 T	Acrylonitrile	0.033	0.036	-9.1	
23 T	Cis-1,2-Dichloroethene	0.287	0.289	-0.7	
24 T	2,2-Dichloropropane	0.431	0.364	15.5	
25 T	Bromochloromethane	0.094	0.097	-3.2	
27 T	Chloroform	0.493	0.513	-4.1	
28 T	Carbon Tetrachloride	0.311	0.329	-5.8	
29 T	Tetrahydrofuran (THF)	0.029	0.029	0.0	
30 T	1,1,1-Trichloroethane	0.405	0.437	-7.9	
31 SURR	% Dibromofluoromethane	0.079	0.079	0.0	
32 T	Methyl Ethyl Ketone	0.038	0.047	-23.7	
33 INT	1,4-Difluorobenzene	1.000	1.000	0.0	83
34 T	1,1-Dichloropropene	0.229	0.250	-9.2	
35 T	Benzene	0.708	0.728	-2.8	
37 T	1,2-Dichloroethane	0.148	0.160	-8.1	
39 T	Trichloroethene	0.175	0.180	-2.9	
40 T	Dibromomethane	0.056	0.059	-5.4	
41 T	1,2-dichloropropane	0.169	0.176	-4.1	
42 T	Bromodichloromethane	0.170	0.175	-2.9	
43 T	cis-1,3-Dichloropropene	0.218	0.213	2.3	
44 T	Toluene	0.424	0.429	-1.2	
45 SURR	% Toluene-d8	1.228	1.231	-0.2	
46 T	4-Methyl-2-Pentanone	0.054	0.059	-9.3	
47 T	Tetrachloroethene	0.126	0.132	-4.8	
48 T	trans-1,3-Dichloropropene	0.153	0.149	2.6	
49 T	1,1,2-Trichloroethane	0.074	0.079	-6.8	
50 INT	Chlorobenzene-d5	1.000	1.000	0.0	81
51 T	Dibromochloromethane	0.101	0.101	0.0	
52 T	1,3-Dichloropropane	0.162	0.179	-10.5	
53 T	1,2-Dibromoethane	0.080	0.090	-12.5	
54 T	2-Hexanone	0.038	0.044	-15.8	
55 T	Chlorobenzene	0.499	0.514	-3.0	
56 T	Ethylbenzene	0.288	0.296	-2.8	
57 T	1,1,1,2-Tetrachloroethane	0.137	0.134	2.2	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_27.D
 Acq On : 5 Feb 2024 5:21 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:07 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
58 T	m&p-Xylene	0.363	0.373	-2.8	
59 T	o-Xylene	0.347	0.352	-1.4	
60 T	Styrene	0.521	0.550	-5.6	
61 T	Bromoform	0.040	0.035	12.5	
62 SURR	% Bromofluorobenzene	0.506	0.508	-0.4	
63 INT	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86
64 SURR	% 1,2-dichlorobenzene-d4	0.832	0.843	-1.3	
65 T	Isopropylbenzene	0.432	0.426	1.4	
66 T	Bromobenzene	0.322	0.315	2.2	
67 T	n-Propylbenzene	0.452	0.440	2.7	
68 T	1,1,2,2-Tetrachloroethane	0.152	0.157	-3.3	
69 T	2-Chlorotoluene	0.388	0.379	2.3	
70 T	1,3,5-Trimethylbenzene	1.398	1.383	1.1	
71 T	1,2,3-Trichloropropane	0.129	0.137	-6.2	
72 T	trans-1,4-Dichloro-2-butene	0.052	0.039	25.0	
73 T	4-Chlorotoluene	0.396	0.395	0.3	
74 T	tert-Butylbenzene	1.173	1.185	-1.0	
75 T	1,2,4-Trimethylbenzene	1.417	1.427	-0.7	
76 T	sec-Butylbenzene	1.736	1.806	-4.0	
77 T	p-Isopropyltoluene	1.523	1.563	-2.6	
78 T	1,3-Dichlorobenzene	0.710	0.702	1.1	
79 T	1,4-Dichlorobenzene	0.678	0.692	-2.1	
81 T	2-Isopropyltoluene	1.443	1.471	-1.9	
82 T	n-Butylbenzene	1.391	1.453	-4.5	
83 T	1,2-Dichlorobenzene	0.576	0.591	-2.6	
84 T	1,2-Dibromo-3-Chloropropane	0.019	0.019	0.0	
85 T	Hexachlorobutadiene	0.173	0.175	-1.2	
86 T	1,2,4-Trichlorobenzene	0.339	0.340	-0.3	
87 T	Naphthalene	0.525	0.558	-6.3	
88 T	1,2,3-Trichlorobenzene	0.264	0.280	-6.1	
89 INT	1,4-Dioxane d8	1.000	1.000	0.0	103

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, gf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_27.D
 Acq On : 5 Feb 2024 5:21 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:07 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	240968	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	394472	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	325224	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	197207	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	22957	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.521	192	18964	10.006	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.10%			
45) % Toluene-d8	5.132	98	485470	10.025	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.20%			
62) % Bromofluorobenzene	7.167	95	165287	10.037	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.40%			
64) % 1,2-dichlorobenzene-d4	8.155	152	166259	10.133	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	84161	11.738	ug/l	99
3) Chloromethane	1.267	50	94622	9.098	ug/l	99
4) Vinyl Chloride	1.309	62	93537	10.870	ug/l	98
5) Bromomethane	1.502	94	36605	9.421	ug/l	100
6) Chloroethane	1.570	64	56855	10.971	ug/l	96
7) Trichlorofluoromethane	1.659	101	114227	12.751	ug/l	98
9) 1,1-Dichloroethene	1.973	96	60539	10.953	ug/l	97
10) Trichlorotrifluoroethane	1.999	151	46123	12.628	ug/l	98
11) Carbon Disulfide	2.004	76	184957	10.548	ug/l	99
12) Acrolein	2.187	56	19415	58.677	ug/l	96
13) Methylene Chloride	2.350	84	62035	9.882	ug/l	93
14) Acetone	2.381	43	7617	11.763	ug/l	97
15) Trans-1,2-Dichloroethene	2.459	96	67490	10.322	ug/l	97
17) Methyl t-Butyl Ether (...)	2.533	73	98678	10.663	ug/l	100
19) 1,1-Dichloroethane	2.862	63	141284	10.563	ug/l	99
20) Acrylonitrile	2.888	53	8748	11.073	ug/l	92
23) Cis-1,2-Dichloroethene	3.218	96	69618	10.054	ug/l	96
24) 2,2-Dichloropropane	3.291	77	87811	8.450	ug/l	98
25) Bromochloromethane	3.349	128	23482	10.402	ug/l	87
27) Chloroform	3.396	83	123595	10.397	ug/l	99
28) Carbon Tetrachloride	3.495	117	79378	10.604	ug/l	98
29) Tetrahydrofuran (THF)	3.516	42	17599	25.614	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	105203	10.772	ug/l	98
32) Methyl Ethyl Ketone	3.600	43	11416	12.561	ug/l	76
34) 1,1-Dichloropropene	3.620	75	98665	10.945	ug/l	96
35) Benzene	3.783	78	287309	10.292	ug/l	100
37) 1,2-Dichloroethane	3.913	62	62975	10.800	ug/l	97
39) Trichloroethene	4.175	130	70915	10.257	ug/l	96
40) Dibromomethane	4.452	93	23411	10.519	ug/l	98
41) 1,2-dichloropropane	4.520	63	69331	10.427	ug/l	96
42) Bromodichloromethane	4.567	83	69037	10.298	ug/l	100
43) cis-1,3-Dichloropropene	5.001	75	84151	9.782	ug/l	99
44) Toluene	5.169	92	169288	10.126	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	23346	10.978	ug/l	97
47) Tetrachloroethene	5.446	164	52187	10.501	ug/l	96
48) trans-1,3-Dichloropropene	5.456	75	58757	9.723	ug/l	96
49) 1,1,2-Trichloroethane	5.577	97	31235	10.761	ug/l	93

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_27.D
 Acq On : 5 Feb 2024 5:21 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:07 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

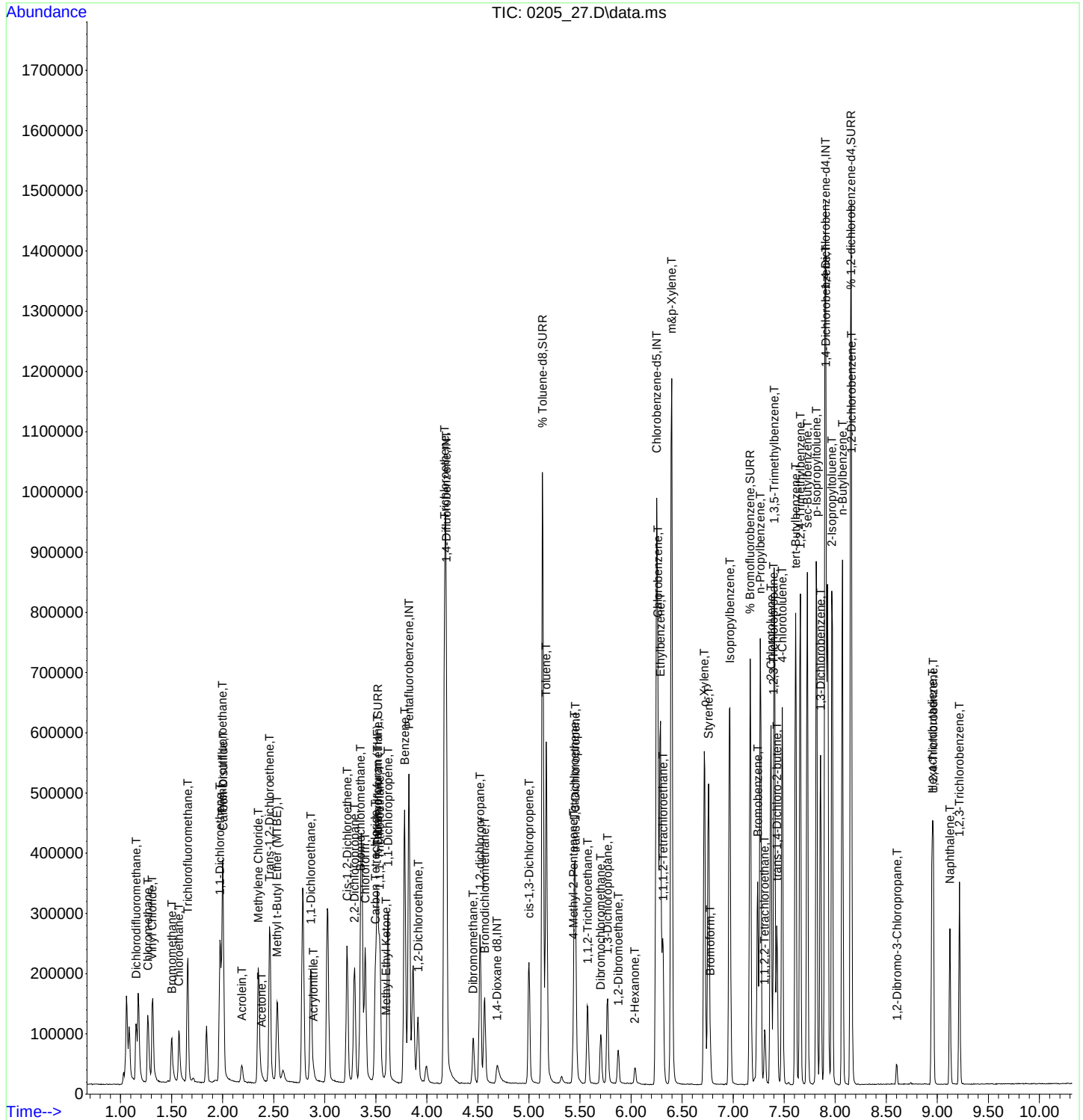
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	32824	9.952	ug/l	97
52) 1,3-Dichloropropane	5.770	76	58066	11.005	ug/l	97
53) 1,2-Dibromoethane	5.875	107	29390	11.258	ug/l	95
54) 2-Hexanone	6.037	43	14348	11.597	ug/l	97
55) Chlorobenzene	6.262	112	167146	10.294	ug/l	97
56) Ethylbenzene	6.288	106	96209	10.261	ug/l	98
57) 1,1,1,2-Tetrachloroethane	6.314	131	43575	9.747	ug/l	96
58) m&p-Xylene	6.398	106	242764	20.561	ug/l	99
59) o-Xylene	6.717	106	114369	10.136	ug/l	98
60) Styrene	6.759	104	178837	10.546	ug/l	99
61) Bromoform	6.774	173	11321	8.687	ug/l	99
65) Isopropylbenzene	6.968	120	83947	9.845	ug/l	96
66) Bromobenzene	7.240	156	62067	9.775	ug/l	90
67) n-Propylbenzene	7.266	120	86798	9.743	ug/l#	84
68) 1,1,2,2-Tetrachloroethane	7.308	83	30928	10.293	ug/l	99
69) 2-Chlorotoluene	7.371	126	74651	9.756	ug/l	84
70) 1,3,5-Trimethylbenzene	7.402	105	272778	9.896	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	26922	10.591	ug/l#	81
72) trans-1,4-Dichloro-2-b...	7.428	75	38697	37.721	ug/l	90
73) 4-Chlorotoluene	7.480	126	77815	9.972	ug/l	96
74) tert-Butylbenzene	7.611	119	233634	10.104	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	281317	10.067	ug/l	98
76) sec-Butylbenzene	7.726	105	356154	10.401	ug/l	98
77) p-Isopropyltoluene	7.815	119	308209	10.259	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	138440	9.891	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	136495	10.213	ug/l	99
81) 2-Isopropyltoluene	7.967	119	290113	10.196	ug/l	100
82) n-Butylbenzene	8.071	91	286472	10.442	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	116608	10.272	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	3825	10.403	ug/l	92
85) Hexachlorobutadiene	8.950	225	34430	10.088	ug/l	99
86) 1,2,4-Trichlorobenzene	8.961	180	67064	10.027	ug/l	96
87) Naphthalene	9.123	128	110097	10.629	ug/l	99
88) 1,2,3-Trichlorobenzene	9.217	180	55172	10.593	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

```
Data Path : H:\V2024\CHEM02\02FEB\020524\  
Data File : 0205_27.D  
Acq On : 5 Feb 2024 5:21 pm  
Operator :  
Client ID : CCAL 10  
Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V  
ALS Vial : 1 Sample Multiplier: 1
```

Quant Time: Feb 06 12:41:07 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:31:38 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM02 Calibration Date: 02/05/24 Time: 17:45

Lab File Id: 0205_28.D Init. Calib. Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Init. Calib. Times: 13:46 16:08

GC Column: RTX-VMS Method File: VT-P020324.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Pentafluorobenzene (IS Area/Area%)	289997	240266	n.a.	82.9	50-200
1,4-Difluorobenzene (IS Area/Area%)	473758	391736	n.a.	82.7	50-200
Chlorobenzene-d5 (IS Area/Area%)	402936	323717	n.a.	80.3	50-200
1,4-Dichlorobenzene-d4 (IS Area/Area%)	228717	194801	n.a.	85.2	50-200
1,4-Dioxane d8 (IS Area/Area%)	22295	21405	n.a.	96.0	n.a.
Dichlorodifluoromethane	0.298	0.377	0.010	-26.5 +	20 (60)
Chloromethane	0.432	0.426	0.010	1.4	20 (60)
Vinyl Chloride	0.357	0.416	0.010	-16.5	20 (40)
Bromomethane	0.161	0.174	0.010	-8.1	20 (60)
Chloroethane	0.215	0.248	0.010	-15.3	20 (40)
Trichlorofluoromethane	0.372	0.490	0.010	-31.7 +	20 (40)
1,1-Dichloroethene	0.229	0.268	0.060	-17.0	20 (40)
Trichlorotrifluoroethane	0.152	0.200	0.050	-31.6 +	20 (40)
Carbon Disulfide	0.728	0.808	0.100	-11.0	20 (40)
Acrolein	0.014	0.017	* 0.050	-21.4 +	20 (40)
Methylene Chloride	0.261	0.269	0.010	-3.1	20 (40)
Acetone	0.027	0.033	0.010	-22.2 +	20 (60)
Trans-1,2-Dichloroethene	0.271	0.286	0.100	-5.5	20 (40)
Methyl t-Butyl Ether (MTBE)	0.384	0.431	0.100	-12.2	20 (40)
1,1-Dichloroethane	0.555	0.608	0.300	-9.5	20 (40)
Acrylonitrile	0.033	0.037	* 0.050	-12.1	20 (40)
Cis-1,2-Dichloroethene	0.287	0.300	0.200	-4.5	20 (40)
2,2-Dichloropropane	0.431	0.370	0.050	14.2	20 (40)
Bromochloromethane	0.094	0.103	0.100	-9.6	20 (40)
Chloroform	0.493	0.533	0.300	-8.1	20 (40)
Carbon Tetrachloride	0.311	0.341	0.100	-9.6	20 (40)
Tetrahydrofuran (THF)	0.029	0.030	* 0.050	-3.4	20 (40)
1,1,1-Trichloroethane	0.405	0.449	0.050	-10.9	20 (40)
Methyl Ethyl Ketone	0.038	0.045	0.010	-18.4	20 (60)
1,1-Dichloropropene	0.229	0.254	0.050	-10.9	20 (40)
Benzene	0.708	0.747	0.200	-5.5	20 (40)
1,2-Dichloroethane	0.148	0.165	0.070	-11.5	20 (40)
Trichloroethene	0.175	0.186	* 0.200	-6.3	20 (40)
Dibromomethane	0.056	0.061	0.050	-8.9	20 (40)
1,2-dichloropropane	0.169	0.178	* 0.200	-5.3	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM02 Calibration Date: 02/05/24 Time: 17:45

Lab File Id: 0205_28.D Init. Calib. Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Init. Calib. Times: 13:46 16:08

GC Column: RTX-VMS Method File: VT-P020324.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Bromodichloromethane	0.170	0.183	* 0.300	-7.6	20 (40)
cis-1,3-Dichloropropene	0.218	0.220	* 0.300	-0.9	20 (40)
Toluene	0.424	0.446	0.300	-5.2	20 (40)
4-Methyl-2-Pentanone	0.054	0.059	0.030	-9.3	20 (60)
Tetrachloroethene	0.126	0.135	0.100	-7.1	20 (40)
trans-1,3-Dichloropropene	0.153	0.154	* 0.300	-0.7	20 (40)
1,1,2-Trichloroethane	0.074	0.081	* 0.200	-9.5	20 (40)
Dibromochloromethane	0.101	0.108	* 0.200	-6.9	20 (40)
1,3-Dichloropropane	0.162	0.182	0.050	-12.3	20 (40)
1,2-Dibromoethane	0.080	0.092	* 0.200	-15.0	20 (40)
2-Hexanone	0.038	0.045	0.010	-18.4	20 (60)
Chlorobenzene	0.499	0.527	0.400	-5.6	20 (40)
Ethylbenzene	0.288	0.306	* 0.400	-6.3	20 (40)
1,1,1,2-Tetrachloroethane	0.137	0.142	0.050	-3.6	20 (40)
m&p-Xylene	0.363	0.381	0.200	-5.0	20 (40)
o-Xylene	0.347	0.360	0.200	-3.7	20 (40)
Styrene	0.521	0.559	0.200	-7.3	20 (40)
Bromoform	0.040	0.037	* 0.100	7.5	20 (40)
Isopropylbenzene	0.432	0.437	0.400	-1.2	20 (40)
Bromobenzene	0.322	0.328	0.050	-1.9	20 (40)
n-Propylbenzene	0.452	0.463	0.050	-2.4	20 (40)
1,1,2,2-Tetrachloroethane	0.152	0.165	* 0.200	-8.6	20 (40)
2-Chlorotoluene	0.388	0.392	0.050	-1.0	20 (40)
1,3,5-Trimethylbenzene	1.398	1.427	0.050	-2.1	20 (40)
1,2,3-Trichloropropane	0.129	0.139	0.050	-7.8	20 (40)
trans-1,4-Dichloro-2-butene	0.052	0.041	* 0.050	21.2 +	20 (40)
4-Chlorotoluene	0.396	0.411	0.050	-3.8	20 (40)
tert-Butylbenzene	1.173	1.230	0.050	-4.9	20 (40)
1,2,4-Trimethylbenzene	1.417	1.461	0.050	-3.1	20 (40)
sec-Butylbenzene	1.736	1.880	0.050	-8.3	20 (40)
p-Isopropyltoluene	1.523	1.616	0.050	-6.1	20 (40)
1,3-Dichlorobenzene	0.710	0.730	0.500	-2.8	20 (40)
1,4-Dichlorobenzene	0.686	0.717	0.600	-4.5	20 (40)
2-Isopropyltoluene	1.443	1.511	0.050	-4.7	20 (40)
n-Butylbenzene	1.391	1.513	0.050	-8.8	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCP97096
Instrument:	CHEM02		Calibration Date:	02/05/24	Time: 17:45
Lab File Id:	0205_28.D		Init. Calib. Date(s):	02/03/24	02/03/24
Heated Purge (Y/N):	N		Init. Calib. Times:	13:46	16:08
GC Column:	RTX-VMS		Method File:	VT-P020324.M	

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_28.D
 Acq On : 5 Feb 2024 5:45 pm
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:10 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
1 INT	Pentafluorobenzene	1.000	1.000	0.0	83
2 T	Dichlorodifluoromethane	0.298	0.377	-26.5	
3 T	Chloromethane	0.432	0.426	1.4	
4 T	Vinyl Chloride	0.357	0.416	-16.5	
5 T	Bromomethane	0.161	0.174	-8.1	
6 T	Chloroethane	0.215	0.248	-15.3	
7 T	Trichlorofluoromethane	0.372	0.490	-31.7#	
9 T	1,1-Dichloroethene	0.229	0.268	-17.0	
10 T	Trichlorotrifluoroethane	0.152	0.200	-31.6#	
11 T	Carbon Disulfide	0.728	0.808	-11.0	
12 T	Acrolein	0.014	0.017	-21.4	
13 T	Methylene Chloride	0.261	0.269	-3.1	
14 T	Acetone	0.027	0.033	-22.2	
15 T	Trans-1,2-Dichloroethene	0.271	0.286	-5.5	
17 T	Methyl t-Butyl Ether (MTBE)	0.384	0.431	-12.2	
19 T	1,1-Dichloroethane	0.555	0.608	-9.5	
20 T	Acrylonitrile	0.033	0.037	-12.1	
23 T	Cis-1,2-Dichloroethene	0.287	0.300	-4.5	
24 T	2,2-Dichloropropane	0.431	0.370	14.2	
25 T	Bromochloromethane	0.094	0.103	-9.6	
27 T	Chloroform	0.493	0.533	-8.1	
28 T	Carbon Tetrachloride	0.311	0.341	-9.6	
29 T	Tetrahydrofuran (THF)	0.029	0.030	-3.4	
30 T	1,1,1-Trichloroethane	0.405	0.449	-10.9	
31 SURR	% Dibromofluoromethane	0.079	0.080	-1.3	
32 T	Methyl Ethyl Ketone	0.038	0.045	-18.4	
33 INT	1,4-Difluorobenzene	1.000	1.000	0.0	83
34 T	1,1-Dichloropropene	0.229	0.254	-10.9	
35 T	Benzene	0.708	0.747	-5.5	
37 T	1,2-Dichloroethane	0.148	0.165	-11.5	
39 T	Trichloroethene	0.175	0.186	-6.3	
40 T	Dibromomethane	0.056	0.061	-8.9	
41 T	1,2-dichloropropane	0.169	0.178	-5.3	
42 T	Bromodichloromethane	0.170	0.183	-7.6	
43 T	cis-1,3-Dichloropropene	0.218	0.220	-0.9	
44 T	Toluene	0.424	0.446	-5.2	
45 SURR	% Toluene-d8	1.228	1.230	-0.2	
46 T	4-Methyl-2-Pentanone	0.054	0.059	-9.3	
47 T	Tetrachloroethene	0.126	0.135	-7.1	
48 T	trans-1,3-Dichloropropene	0.153	0.154	-0.7	
49 T	1,1,2-Trichloroethane	0.074	0.081	-9.5	
50 INT	Chlorobenzene-d5	1.000	1.000	0.0	80
51 T	Dibromochloromethane	0.101	0.108	-6.9	
52 T	1,3-Dichloropropane	0.162	0.182	-12.3	
53 T	1,2-Dibromoethane	0.080	0.092	-15.0	
54 T	2-Hexanone	0.038	0.045	-18.4	
55 T	Chlorobenzene	0.499	0.527	-5.6	
56 T	Ethylbenzene	0.288	0.306	-6.3	
57 T	1,1,1,2-Tetrachloroethane	0.137	0.142	-3.6	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_28.D
 Acq On : 5 Feb 2024 5:45 pm
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:10 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	

58 T	m&p-Xylene	0.363	0.381	-5.0	
59 T	o-Xylene	0.347	0.360	-3.7	
60 T	Styrene	0.521	0.559	-7.3	
61 T	Bromoform	0.040	0.037	7.5	
62 SURR	% Bromofluorobenzene	0.506	0.506	0.0	
63 INT	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85
64 SURR	% 1,2-dichlorobenzene-d4	0.832	0.838	-0.7	
65 T	Isopropylbenzene	0.432	0.437	-1.2	
66 T	Bromobenzene	0.322	0.328	-1.9	
67 T	n-Propylbenzene	0.452	0.463	-2.4	
68 T	1,1,2,2-Tetrachloroethane	0.152	0.165	-8.6	
69 T	2-Chlorotoluene	0.388	0.392	-1.0	
70 T	1,3,5-Trimethylbenzene	1.398	1.427	-2.1	
71 T	1,2,3-Trichloropropane	0.129	0.139	-7.8	
72 T	trans-1,4-Dichloro-2-butene	0.052	0.041	21.2	
73 T	4-Chlorotoluene	0.396	0.411	-3.8	
74 T	tert-Butylbenzene	1.173	1.230	-4.9	
75 T	1,2,4-Trimethylbenzene	1.417	1.461	-3.1	
76 T	sec-Butylbenzene	1.736	1.880	-8.3	
77 T	p-Isopropyltoluene	1.523	1.616	-6.1	
78 T	1,3-Dichlorobenzene	0.710	0.730	-2.8	
79 T	1,4-Dichlorobenzene	0.678	0.717	-5.8	
81 T	2-Isopropyltoluene	1.443	1.511	-4.7	
82 T	n-Butylbenzene	1.391	1.513	-8.8	
83 T	1,2-Dichlorobenzene	0.576	0.614	-6.6	
84 T	1,2-Dibromo-3-Chloropropane	0.019	0.019	0.0	
85 T	Hexachlorobutadiene	0.173	0.185	-6.9	
86 T	1,2,4-Trichlorobenzene	0.339	0.352	-3.8	
87 T	Naphthalene	0.525	0.572	-9.0	
88 T	1,2,3-Trichlorobenzene	0.264	0.286	-8.3	
89 INT	1,4-Dioxane d8	1.000	1.000	0.0	96

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, gf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_28.D
 Acq On : 5 Feb 2024 5:45 pm
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:10 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	240266	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	391736	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	323717	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	194801	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.688	96	21405	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	19162	10.140	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.40%			
45) % Toluene-d8	5.132	98	481652	10.015	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.20%			
62) % Bromofluorobenzene	7.167	95	163712	9.988	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.90%			
64) % 1,2-dichlorobenzene-d4	8.155	152	163212	10.070	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%			
Target Compounds						
2) Dichlorodifluoromethane	1.147	85	90493	12.657	ug/l	99
3) Chloromethane	1.262	50	102438	9.878	ug/l	99
4) Vinyl Chloride	1.304	62	100015	11.657	ug/l	98
5) Bromomethane	1.497	94	41797	10.789	ug/l	98
6) Chloroethane	1.565	64	59491	11.513	ug/l	97
7) Trichlorofluoromethane	1.654	101	117819	13.190	ug/l	98
9) 1,1-Dichloroethene	1.968	96	64506	11.705	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	47982	13.175	ug/l	98
11) Carbon Disulfide	1.994	76	194222	11.109	ug/l	99
12) Acrolein	2.182	56	20385	61.789	ug/l	96
13) Methylene Chloride	2.344	84	64520	10.308	ug/l	92
14) Acetone	2.376	43	7924	12.273	ug/l	97
15) Trans-1,2-Dichloroethene	2.454	96	68794	10.552	ug/l	95
17) Methyl t-Butyl Ether (...)	2.527	73	103441	11.211	ug/l	100
19) 1,1-Dichloroethane	2.857	63	146087	10.954	ug/l	98
20) Acrylonitrile	2.883	53	8850	11.235	ug/l	96
23) Cis-1,2-Dichloroethene	3.213	96	72124	10.446	ug/l	97
24) 2,2-Dichloropropane	3.286	77	89017	8.592	ug/l	99
25) Bromochloromethane	3.343	128	24802	11.019	ug/l	93
27) Chloroform	3.396	83	127942	10.794	ug/l	98
28) Carbon Tetrachloride	3.495	117	81918	10.976	ug/l	98
29) Tetrahydrofuran (THF)	3.511	42	17785	25.960	ug/l	99
30) 1,1,1-Trichloroethane	3.537	97	107776	11.068	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	10771	11.886	ug/l	82
34) 1,1-Dichloropropene	3.615	75	99434	11.107	ug/l	97
35) Benzene	3.777	78	292726	10.559	ug/l	100
37) 1,2-Dichloroethane	3.908	62	64512	11.141	ug/l	98
39) Trichloroethene	4.170	130	72841	10.609	ug/l	96
40) Dibromomethane	4.452	93	23878	10.804	ug/l	98
41) 1,2-dichloropropane	4.520	63	69869	10.581	ug/l	97
42) Bromodichloromethane	4.562	83	71512	10.741	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	86092	10.078	ug/l	98
44) Toluene	5.169	92	174558	10.515	ug/l	100
46) 4-Methyl-2-Pentanone	5.430	43	23306	11.035	ug/l	98
47) Tetrachloroethene	5.446	164	52762	10.691	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	60201	10.031	ug/l	97
49) 1,1,2-Trichloroethane	5.571	97	31738	11.010	ug/l	90

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_28.D
 Acq On : 5 Feb 2024 5:45 pm
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:10 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

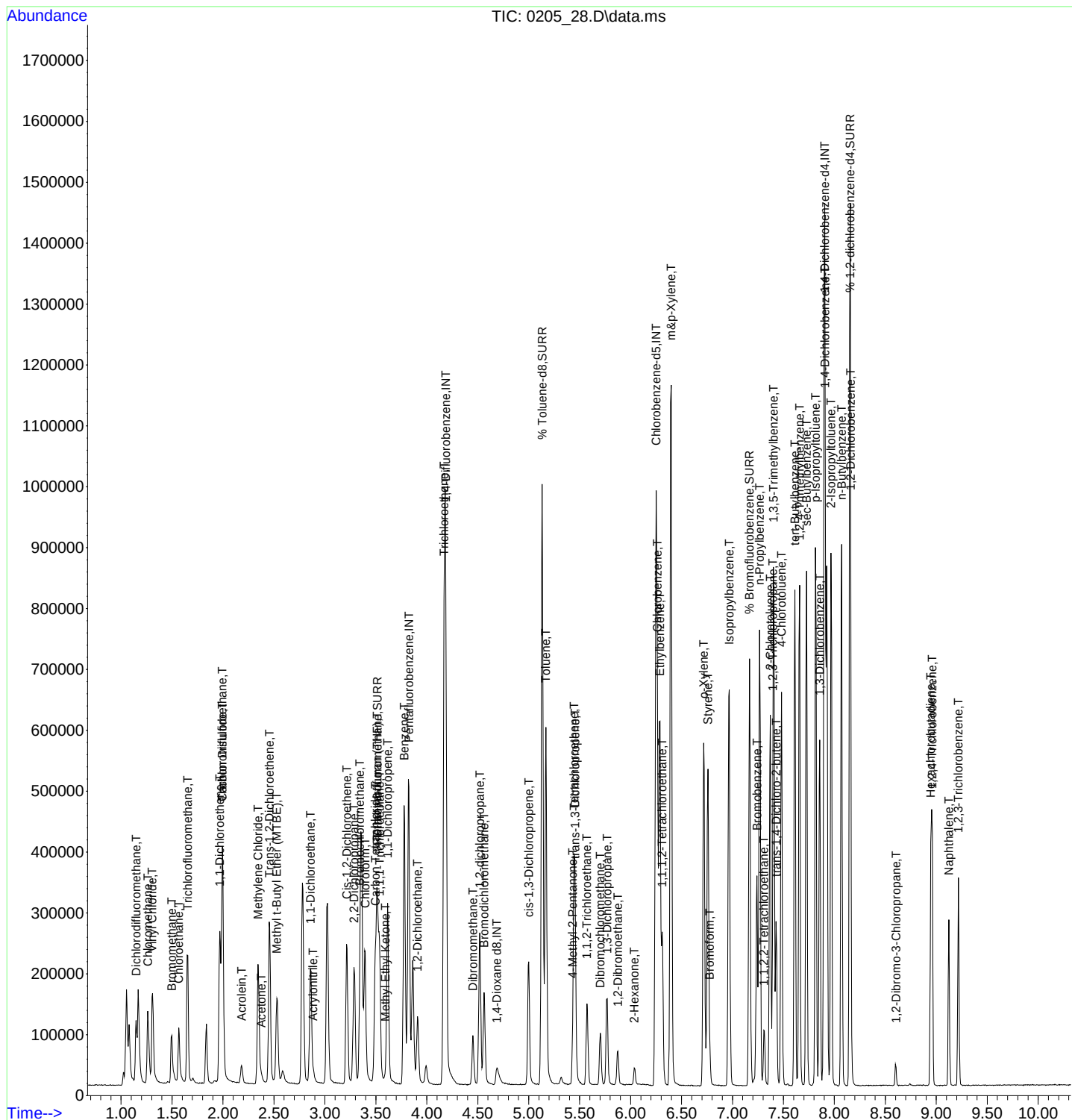
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	35038	10.673	ug/l	99
52) 1,3-Dichloropropane	5.770	76	58960	11.227	ug/l	97
53) 1,2-Dibromoethane	5.875	107	29664	11.416	ug/l	98
54) 2-Hexanone	6.037	43	14666	11.909	ug/l	97
55) Chlorobenzene	6.262	112	170678	10.561	ug/l	98
56) Ethylbenzene	6.288	106	99011	10.609	ug/l	98
57) 1,1,1,2-Tetrachloroethane	6.309	131	45878	10.310	ug/l	96
58) m&p-Xylene	6.398	106	246715	20.993	ug/l	98
59) o-Xylene	6.717	106	116648	10.386	ug/l	98
60) Styrene	6.759	104	180974	10.722	ug/l	99
61) Bromoform	6.774	173	12102	9.329	ug/l	99
65) Isopropylbenzene	6.968	120	85049	10.098	ug/l	96
66) Bromobenzene	7.240	156	63898	10.188	ug/l	91
67) n-Propylbenzene	7.266	120	90159	10.245	ug/l#	87
68) 1,1,2,2-Tetrachloroethane	7.308	83	32045	10.797	ug/l	98
69) 2-Chlorotoluene	7.371	126	76370	10.104	ug/l	84
70) 1,3,5-Trimethylbenzene	7.402	105	277922	10.207	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	27154	10.814	ug/l#	80
72) trans-1,4-Dichloro-2-b...	7.428	75	40116	39.587	ug/l	90
73) 4-Chlorotoluene	7.480	126	80094	10.391	ug/l	99
74) tert-Butylbenzene	7.611	119	239697	10.494	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	284585	10.310	ug/l	99
76) sec-Butylbenzene	7.726	105	366312	10.830	ug/l	97
77) p-Isopropyltoluene	7.815	119	314861	10.610	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	142236	10.288	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	139696	10.582	ug/l	100
81) 2-Isopropyltoluene	7.967	119	294388	10.474	ug/l	100
82) n-Butylbenzene	8.071	91	294767	10.877	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	119562	10.663	ug/l	100
84) 1,2-Dibromo-3-Chloropr...	8.605	155	3797	10.455	ug/l	96
85) Hexachlorobutadiene	8.945	225	36007	10.681	ug/l	100
86) 1,2,4-Trichlorobenzene	8.961	180	68486	10.367	ug/l	95
87) Naphthalene	9.123	128	111468	10.894	ug/l	99
88) 1,2,3-Trichlorobenzene	9.217	180	55731	10.832	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
Data File : 0205_28.D
Acq On : 5 Feb 2024 5:45 pm
Operator :
Client ID : CCAL 10 - BFB TUNE
Lab ID : VOA 10 PPB STD. VOA14L III 02/05 V - VOA 10 PPB STD. VOA14L III 02/05 V
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:10 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:31:38 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM02 Calibration Date: 02/06/24 Time: 03:52

Lab File Id: 0205_53.D Init. Calib. Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Init. Calib. Times: 13:46 16:08

GC Column: RTX-VMS Method File: VT-P020324.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	0.298	0.286	0.010	4.0	50
Chloromethane	0.432	0.380	0.010	12.0	50
Vinyl Chloride	0.357	0.349	0.010	2.2	50
Bromomethane	0.161	0.149	0.010	7.5	50
Chloroethane	0.215	0.217	0.010	-0.9	50
Trichlorofluoromethane	0.372	0.411	0.010	-10.5	50
1,1-Dichloroethene	0.229	0.231	0.010	-0.9	50
Trichlorotrifluoroethane	0.152	0.163	0.010	-7.2	50
Carbon Disulfide	0.728	0.715	0.010	1.8	50
Acrolein	0.014	0.016	0.010	-14.3	50
Methylene Chloride	0.261	0.250	0.010	4.2	50
Acetone	0.027	0.031	0.010	-14.8	50
Trans-1,2-Dichloroethene	0.271	0.267	0.010	1.5	50
Methyl t-Butyl Ether (MTBE)	0.384	0.402	0.010	-4.7	50
1,1-Dichloroethane	0.555	0.547	0.010	1.4	50
Acrylonitrile	0.033	0.034	0.010	-3.0	50
Cis-1,2-Dichloroethene	0.287	0.278	0.010	3.1	50
2,2-Dichloropropane	0.431	0.321	0.010	25.5	50
Bromochloromethane	0.094	0.093	0.010	1.1	50
Chloroform	0.493	0.486	0.010	1.4	50
Carbon Tetrachloride	0.311	0.294	0.010	5.5	50
Tetrahydrofuran (THF)	0.029	0.028	0.010	3.4	50
1,1,1-Trichloroethane	0.405	0.393	0.010	3.0	50
Methyl Ethyl Ketone	0.038	0.040	0.010	-5.3	50
1,1-Dichloropropene	0.229	0.222	0.010	3.1	50
Benzene	0.708	0.677	0.010	4.4	50
1,2-Dichloroethane	0.148	0.153	0.010	-3.4	50
Trichloroethene	0.175	0.166	0.010	5.1	50
Dibromomethane	0.056	0.058	0.010	-3.6	50
1,2-dichloropropane	0.169	0.165	0.010	2.4	50
Bromodichloromethane	0.170	0.162	0.010	4.7	50
cis-1,3-Dichloropropene	0.218	0.201	0.010	7.8	50
Toluene	0.424	0.402	0.010	5.2	50
4-Methyl-2-Pentanone	0.054	0.058	0.010	-7.4	50
Tetrachloroethene	0.126	0.120	0.010	4.8	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM02 Calibration Date: 02/06/24 Time: 03:52

Lab File Id: 0205_53.D Init. Calib. Date(s): 02/03/24 02/03/24

Heated Purge (Y/N): N Init. Calib. Times: 13:46 16:08

GC Column: RTX-VMS Method File: VT-P020324.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
trans-1,3-Dichloropropene	0.153	0.142	0.010	7.2	50
1,1,2-Trichloroethane	0.074	0.077	0.010	-4.1	50
Dibromochloromethane	0.101	0.100	0.010	1.0	50
1,3-Dichloropropane	0.162	0.172	0.010	-6.2	50
1,2-Dibromoethane	0.080	0.086	0.010	-7.5	50
2-Hexanone	0.038	0.044	0.010	-15.8	50
Chlorobenzene	0.499	0.480	0.010	3.8	50
Ethylbenzene	0.288	0.274	0.010	4.9	50
1,1,1,2-Tetrachloroethane	0.137	0.125	0.010	8.8	50
m&p-Xylene	0.363	0.342	0.010	5.8	50
o-Xylene	0.347	0.326	0.010	6.1	50
Styrene	0.521	0.518	0.010	0.6	50
Bromoform	0.040	0.035	0.010	12.5	50
Isopropylbenzene	0.432	0.391	0.010	9.5	50
Bromobenzene	0.322	0.300	0.010	6.8	50
n-Propylbenzene	0.452	0.412	0.010	8.8	50
1,1,2,2-Tetrachloroethane	0.152	0.155	0.010	-2.0	50
2-Chlorotoluene	0.388	0.357	0.010	8.0	50
1,3,5-Trimethylbenzene	1.398	1.283	0.010	8.2	50
1,2,3-Trichloropropane	0.129	0.129	0.010	0.0	50
trans-1,4-Dichloro-2-butene	0.052	0.040	0.010	23.1	50
4-Chlorotoluene	0.396	0.373	0.010	5.8	50
tert-Butylbenzene	1.173	1.084	0.010	7.6	50
1,2,4-Trimethylbenzene	1.417	1.323	0.010	6.6	50
sec-Butylbenzene	1.736	1.646	0.010	5.2	50
p-Isopropyltoluene	1.523	1.428	0.010	6.2	50
1,3-Dichlorobenzene	0.710	0.673	0.010	5.2	50
1,4-Dichlorobenzene	0.686	0.661	0.010	3.6	50
2-Isopropyltoluene	1.443	1.362	0.010	5.6	50
n-Butylbenzene	1.391	1.334	0.010	4.1	50
1,2-Dichlorobenzene	0.576	0.570	0.010	1.0	50
1,2-Dibromo-3-Chloropropane	0.019	0.019	0.010	0.0	50
Hexachlorobutadiene	0.173	0.164	0.010	5.2	50
1,2,4-Trichlorobenzene	0.339	0.333	0.010	1.8	50
Naphthalene	0.525	0.541	0.010	-3.0	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(*) Recommended RRF not met. (#) Maximum %D not met.

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCP97096
Instrument:	CHEM02		Calibration Date:	02/06/24	Time: 03:52
Lab File Id:	0205_53.D		Init. Calib. Date(s):	02/03/24	02/03/24
Heated Purge (Y/N):	N		Init. Calib. Times:	13:46	16:08
GC Column:	RTX-VMS		Method File: VT-P020324.M		

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(*) Recommended RRF not met. (#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_53.D
 Acq On : 6 Feb 2024 3:52 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 DT1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:25 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
1 INT	Pentafluorobenzene	1.000	1.000	0.0	86
2 T	Dichlorodifluoromethane	0.298	0.286	4.0	
3 T	Chloromethane	0.432	0.380	12.0	
4 T	Vinyl Chloride	0.357	0.349	2.2	
5 T	Bromomethane	0.161	0.149	7.5	
6 T	Chloroethane	0.215	0.217	-0.9	
7 T	Trichlorofluoromethane	0.372	0.411	-10.5	
9 T	1,1-Dichloroethene	0.229	0.231	-0.9	
10 T	Trichlorotrifluoroethane	0.152	0.163	-7.2	
11 T	Carbon Disulfide	0.728	0.715	1.8	
12 T	Acrolein	0.014	0.016	-14.3	
13 T	Methylene Chloride	0.261	0.250	4.2	
14 T	Acetone	0.027	0.031	-14.8	
15 T	Trans-1,2-Dichloroethene	0.271	0.267	1.5	
17 T	Methyl t-Butyl Ether (MTBE)	0.384	0.402	-4.7	
19 T	1,1-Dichloroethane	0.555	0.547	1.4	
20 T	Acrylonitrile	0.033	0.034	-3.0	
23 T	Cis-1,2-Dichloroethene	0.287	0.278	3.1	
24 T	2,2-Dichloropropane	0.431	0.321	25.5	
25 T	Bromochloromethane	0.094	0.093	1.1	
27 T	Chloroform	0.493	0.486	1.4	
28 T	Carbon Tetrachloride	0.311	0.294	5.5	
29 T	Tetrahydrofuran (THF)	0.029	0.028	3.4	
30 T	1,1,1-Trichloroethane	0.405	0.393	3.0	
31 SURR	% Dibromofluoromethane	0.079	0.076	3.8	
32 T	Methyl Ethyl Ketone	0.038	0.040	-5.3	
33 INT	1,4-Difluorobenzene	1.000	1.000	0.0	86
34 T	1,1-Dichloropropene	0.229	0.222	3.1	
35 T	Benzene	0.708	0.677	4.4	
37 T	1,2-Dichloroethane	0.148	0.153	-3.4	
39 T	Trichloroethene	0.175	0.166	5.1	
40 T	Dibromomethane	0.056	0.058	-3.6	
41 T	1,2-dichloropropane	0.169	0.165	2.4	
42 T	Bromodichloromethane	0.170	0.162	4.7	
43 T	cis-1,3-Dichloropropene	0.218	0.201	7.8	
44 T	Toluene	0.424	0.402	5.2	
45 SURR	% Toluene-d8	1.228	1.234	-0.5	
46 T	4-Methyl-2-Pentanone	0.054	0.058	-7.4	
47 T	Tetrachloroethene	0.126	0.120	4.8	
48 T	trans-1,3-Dichloropropene	0.153	0.142	7.2	
49 T	1,1,2-Trichloroethane	0.074	0.077	-4.1	
50 INT	Chlorobenzene-d5	1.000	1.000	0.0	83
51 T	Dibromochloromethane	0.101	0.100	1.0	
52 T	1,3-Dichloropropane	0.162	0.172	-6.2	
53 T	1,2-Dibromoethane	0.080	0.086	-7.5	
54 T	2-Hexanone	0.038	0.044	-15.8	
55 T	Chlorobenzene	0.499	0.480	3.8	
56 T	Ethylbenzene	0.288	0.274	4.9	
57 T	1,1,1,2-Tetrachloroethane	0.137	0.125	8.8	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_53.D
 Acq On : 6 Feb 2024 3:52 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 DT1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:25 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
58 T	m&p-Xylene	0.363	0.342	5.8	
59 T	o-Xylene	0.347	0.326	6.1	
60 T	Styrene	0.521	0.518	0.6	
61 T	Bromoform	0.040	0.035	12.5	
62 SURR	% Bromofluorobenzene	0.506	0.513	-1.4	
63 INT	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88
64 SURR	% 1,2-dichlorobenzene-d4	0.832	0.848	-1.9	
65 T	Isopropylbenzene	0.432	0.391	9.5	
66 T	Bromobenzene	0.322	0.300	6.8	
67 T	n-Propylbenzene	0.452	0.412	8.8	
68 T	1,1,2,2-Tetrachloroethane	0.152	0.155	-2.0	
69 T	2-Chlorotoluene	0.388	0.357	8.0	
70 T	1,3,5-Trimethylbenzene	1.398	1.283	8.2	
71 T	1,2,3-Trichloropropane	0.129	0.129	0.0	
72 T	trans-1,4-Dichloro-2-butene	0.052	0.040	23.1	
73 T	4-Chlorotoluene	0.396	0.373	5.8	
74 T	tert-Butylbenzene	1.173	1.084	7.6	
75 T	1,2,4-Trimethylbenzene	1.417	1.323	6.6	
76 T	sec-Butylbenzene	1.736	1.646	5.2	
77 T	p-Isopropyltoluene	1.523	1.428	6.2	
78 T	1,3-Dichlorobenzene	0.710	0.673	5.2	
79 T	1,4-Dichlorobenzene	0.678	0.661	2.5	
81 T	2-Isopropyltoluene	1.443	1.362	5.6	
82 T	n-Butylbenzene	1.391	1.334	4.1	
83 T	1,2-Dichlorobenzene	0.576	0.570	1.0	
84 T	1,2-Dibromo-3-Chloropropane	0.019	0.019	0.0	
85 T	Hexachlorobutadiene	0.173	0.164	5.2	
86 T	1,2,4-Trichlorobenzene	0.339	0.333	1.8	
87 T	Naphthalene	0.525	0.541	-3.0	
88 T	1,2,3-Trichlorobenzene	0.264	0.269	-1.9	
89 INT	1,4-Dioxane d8	1.000	1.000	0.0	110

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, gf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_53.D
 Acq On : 6 Feb 2024 3:52 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 DT1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:25 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	250631	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	408430	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	335433	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	200896	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	24618	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	19035	9.657	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.60%		
45) % Toluene-d8	5.132	98	503827	10.048	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.50%		
62) % Bromofluorobenzene	7.167	95	172125	10.134	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.30%		
64) % 1,2-dichlorobenzene-d4	8.155	152	170390	10.194	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.90%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	71745	9.620	ug/l	99
3) Chloromethane	1.262	50	95251	8.805	ug/l	99
4) Vinyl Chloride	1.303	62	87465	9.773	ug/l	99
5) Bromomethane	1.497	94	37298	9.230	ug/l	99
6) Chloroethane	1.565	64	54500	10.111	ug/l	96
7) Trichlorofluoromethane	1.649	101	103049	11.060	ug/l	100
9) 1,1-Dichloroethene	1.968	96	57785	10.051	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	40871	10.759	ug/l	95
11) Carbon Disulfide	1.994	76	179263	9.829	ug/l	99
12) Acrolein	2.182	56	19753	57.397	ug/l	92
13) Methylene Chloride	2.344	84	62598	9.587	ug/l	90
14) Acetone	2.376	43	7835	11.633	ug/l	98
15) Trans-1,2-Dichloroethene	2.454	96	66812	9.824	ug/l	99
17) Methyl t-Butyl Ether (...)	2.527	73	100722	10.465	ug/l	99
19) 1,1-Dichloroethane	2.857	63	137150	9.858	ug/l	99
20) Acrylonitrile	2.888	53	8587	10.450	ug/l	98
23) Cis-1,2-Dichloroethene	3.218	96	69658	9.672	ug/l	97
24) 2,2-Dichloropropane	3.286	77	80484	7.447	ug/l	98
25) Bromochloromethane	3.343	128	23217	9.888	ug/l	89
27) Chloroform	3.396	83	121771	9.848	ug/l	98
28) Carbon Tetrachloride	3.495	117	73787	9.477	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	17654	24.704	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	98554	9.702	ug/l	98
32) Methyl Ethyl Ketone	3.594	43	9922	10.497	ug/l	82
34) 1,1-Dichloropropene	3.615	75	90647	9.712	ug/l	98
35) Benzene	3.777	78	276373	9.562	ug/l	100
37) 1,2-Dichloroethane	3.908	62	62684	10.383	ug/l	98
39) Trichloroethene	4.170	130	67913	9.487	ug/l	94
40) Dibromomethane	4.452	93	23639	10.259	ug/l	97
41) 1,2-dichloropropane	4.520	63	67463	9.799	ug/l	96
42) Bromodichloromethane	4.562	83	65997	9.508	ug/l	98
43) cis-1,3-Dichloropropene	4.996	75	82275	9.237	ug/l	98
44) Toluene	5.169	92	164031	9.477	ug/l	100
46) 4-Methyl-2-Pentanone	5.430	43	23517	10.680	ug/l	96
47) Tetrachloroethene	5.446	164	48968	9.517	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	57874	9.249	ug/l	98
49) 1,1,2-Trichloroethane	5.571	97	31538	10.494	ug/l	93

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_53.D
 Acq On : 6 Feb 2024 3:52 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L III 02/05 DT1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:25 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

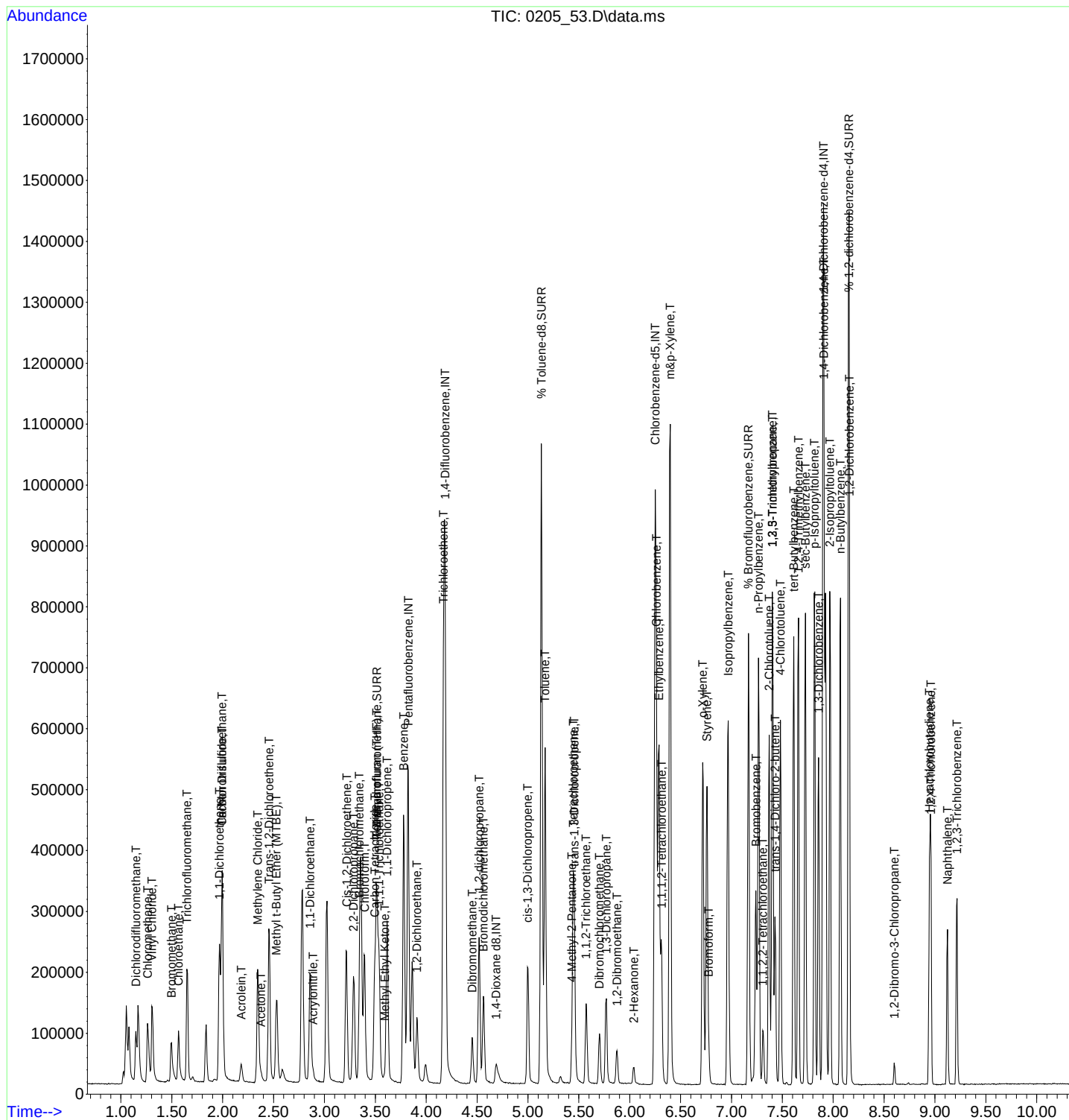
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	33400	9.818	ug/l	99
52) 1,3-Dichloropropane	5.770	76	57549	10.575	ug/l	98
53) 1,2-Dibromoethane	5.875	107	28771	10.685	ug/l	99
54) 2-Hexanone	6.042	43	14850	11.637	ug/l	99
55) Chlorobenzene	6.262	112	160896	9.608	ug/l	96
56) Ethylbenzene	6.288	106	92060	9.520	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.314	131	41800	9.065	ug/l	95
58) m&p-Xylene	6.398	106	229684	18.861	ug/l	98
59) o-Xylene	6.717	106	109400	9.401	ug/l	97
60) Styrene	6.759	104	173802	9.937	ug/l	99
61) Bromoform	6.774	173	11607	8.635	ug/l	98
65) Isopropylbenzene	6.968	120	78472	9.034	ug/l	96
66) Bromobenzene	7.240	156	60312	9.324	ug/l	90
67) n-Propylbenzene	7.266	120	82804	9.124	ug/l#	86
68) 1,1,2,2-Tetrachloroethane	7.308	83	31052	10.145	ug/l	98
69) 2-Chlorotoluene	7.371	126	71724	9.201	ug/l	85
70) 1,3,5-Trimethylbenzene	7.402	105	257734	9.178	ug/l	99
71) 1,2,3-Trichloropropane	7.402	75	25872	9.991	ug/l#	79
72) trans-1,4-Dichloro-2-b...	7.428	75	40286	38.549	ug/l	93
73) 4-Chlorotoluene	7.480	126	74943	9.428	ug/l	97
74) tert-Butylbenzene	7.611	119	217843	9.248	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	265876	9.340	ug/l	99
76) sec-Butylbenzene	7.726	105	330684	9.480	ug/l	97
77) p-Isopropyltoluene	7.815	119	286925	9.375	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	135150	9.479	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	132750	9.750	ug/l	100
81) 2-Isopropyltoluene	7.967	119	273653	9.441	ug/l	99
82) n-Butylbenzene	8.071	91	268088	9.592	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	114461	9.898	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.600	155	3882	10.364	ug/l	86
85) Hexachlorobutadiene	8.945	225	32978	9.485	ug/l	100
86) 1,2,4-Trichlorobenzene	8.961	180	66874	9.815	ug/l	95
87) Naphthalene	9.123	128	108736	10.305	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	54090	10.194	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

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Data Path : H:\V2024\CHEM02\02FEB\020524\  
Data File : 0205_53.D  
Acq On : 6 Feb 2024 3:52 am  
Operator :  
Client ID : CCAL 10  
Lab ID : VOA 10 PPB STD. VOA14L III 02/05 DT1  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Feb 06 12:42:25 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:31:38 2024
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_07.D
 Acq On : 22 Jan 2024 12:40 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD, VOA13G I 01/22 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:46 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Pentafluorobenzene	1.000	1.000	0.0	110
2 T	Dichlorodifluoromethane	0.771	0.032	95.8#	
3 T	Chloromethane	1.150	0.054	95.3#	
4 T	Vinyl Chloride	0.776	0.035	95.5#	
5 T	Bromomethane	0.219	0.009	95.9#	
6 T	Chloroethane	0.377	0.020	94.7#	
7 T	Trichlorofluoromethane	0.818	0.038	95.4#	
9 T	1,1-Dichloroethene	0.441	0.020	95.5#	
10 T	Trichlorotrifluoroethane	0.357	0.016	95.5#	
11 T	Carbon Disulfide	1.270	0.059	95.4#	
12 T	Acrolein	0.027	0.001	96.3#	
13 T	Methylene Chloride	0.414	0.021	94.9#	
14 T	Acetone	0.045	0.003	93.3#	
15 T	Trans-1,2-Dichloroethene	0.474	0.022	95.4#	
17 T	Methyl t-Butyl Ether (MTBE)	0.672	0.029	95.7#	
19 T	1,1-Dichloroethane	1.003	0.045	95.5#	
20 T	Acrylonitrile	0.060	0.003	95.0#	
23 T	Cis-1,2-Dichloroethene	0.486	0.022	95.5#	
24 T	2,2-Dichloropropane	0.767	0.035	95.4#	
25 T	Bromochloromethane	0.141	0.006	95.7#	
27 T	Chloroform	0.772	0.035	95.5#	
28 T	Carbon Tetrachloride	0.523	0.022	95.8#	
29 T	Tetrahydrofuran (THF)	0.044	0.003	93.2#	
30 T	1,1,1-Trichloroethane	0.737	0.033	95.5#	
31 Surr	% Dibromofluoromethane	0.078	0.079	-1.3	
32 T	Methyl Ethyl Ketone	0.065	0.004	93.8#	
33 Int	1,4-Difluorobenzene	1.000	1.000	0.0	110
34 T	1,1-Dichloropropene	0.440	0.020	95.5#	
35 T	Benzene	1.211	0.054	95.5#	
37 T	1,2-Dichloroethane	0.295	0.013	95.6#	
39 T	Trichloroethene	0.340	0.015	95.6#	
40 T	Dibromomethane	0.113	0.005	95.6#	
41 T	1,2-dichloropropane	0.380	0.016	95.8#	
42 T	Bromodichloromethane	0.311	0.013	95.8#	
43 T	cis-1,3-Dichloropropene	0.422	0.016	96.2#	
44 T	Toluene	0.889	0.038	95.7#	
45 Surr	% Toluene-d8	1.270	1.189	6.4	
46 T	4-Methyl-2-Pentanone	0.117	0.004	96.6#	
47 T	Tetrachloroethene	0.310	0.013	95.8#	
48 T	trans-1,3-Dichloropropene	0.273	0.010	96.3#	
49 T	1,1,2-Trichloroethane	0.158	0.007	95.6#	
50 Int	Chlorobenzene-d5	1.000	1.000	0.0	105
51 T	Dibromochloromethane	0.154	0.005	96.8#	
52 T	1,3-Dichloropropane	0.326	0.014	95.7#	
53 T	1,2-Dibromoethane	0.165	0.007	95.8#	
54 T	2-Hexanone	0.084	0.003	96.4#	
55 T	Chlorobenzene	0.951	0.041	95.7#	
56 T	Ethylbenzene	0.597	0.026	95.6#	
57 T	1,1,1,2-Tetrachloroethane	0.219	0.008	96.3#	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\01JAN\012224\
 Data File : 0122_07.D
 Acq On : 22 Jan 2024 12:40 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD, VOA13G I 01/22 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 16:50:46 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jan 22 16:50:54 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
58 T	m&p-Xylene	0.711	0.032	95.5#	
59 T	o-Xylene	0.704	0.030	95.7#	
60 T	Styrene	1.013	0.041	96.0#	
61 T	Bromoform	0.066	0.002	97.0#	
62 Surr	% Bromofluorobenzene	0.491	0.468	4.7	
63 Int	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105
64 surr	% 1,2-dichlorobenzene-d4	0.844	0.830	1.7	
65 T	Isopropylbenzene	0.956	0.041	95.7#	
66 T	Bromobenzene	0.691	0.030	95.7#	
67 T	n-Propylbenzene	0.963	0.041	95.7#	
68 T	1,1,2,2-Tetrachloroethane	0.325	0.014	95.7#	
69 T	2-Chlorotoluene	0.766	0.035	95.4#	
70 T	1,3,5-Trimethylbenzene	3.006	0.136	95.5#	
71 T	1,2,3-Trichloropropane	0.255	0.012	95.3#	
72 qf	trans-1,4-Dichloro-2-butene	50.000	0.000	0.0#	
73 T	4-Chlorotoluene	0.772	0.035	95.5#	
74 T	tert-Butylbenzene	2.546	0.111	95.6#	
75 T	1,2,4-Trimethylbenzene	2.992	0.133	95.6#	
76 T	sec-Butylbenzene	4.004	0.182	95.5#	
77 T	p-Isopropyltoluene	3.221	0.141	95.6#	
78 T	1,3-Dichlorobenzene	1.465	0.067	95.4#	
79 T	1,4-Dichlorobenzene	1.371	0.062	95.5#	
81 T	2-Isopropyltoluene	2.946	0.134	95.5#	
82 T	n-Butylbenzene	2.965	0.128	95.7#	
83 T	1,2-Dichlorobenzene	1.165	0.051	95.6#	
84 T	1,2-Dibromo-3-Chloropropane	0.034	0.001	97.1#	
85 T	Hexachlorobutadiene	0.372	0.017	95.4#	
86 T	1,2,4-Trichlorobenzene	0.624	0.028	95.5#	
87 T	Naphthalene	0.867	0.031	96.4#	
88 T	1,2,3-Trichlorobenzene	0.480	0.020	95.8#	
89 int	1,4-Dioxane d8	1.000	1.000	0.0	80

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM17 Calibration Date: 02/01/24 Time: 07:21

Lab File Id: 0201_02.D Init. Calib. Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Init. Calib. Times: 12:40 14:47

GC Column: RTX-VMS Method File: VT-012224.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Pentafluorobenzene (IS Area/Area%)	378883	369752	n.a.	97.6	50-200
1,4-Difluorobenzene (IS Area/Area%)	653646	570641	n.a.	87.3	50-200
Chlorobenzene-d5 (IS Area/Area%)	605125	520911	n.a.	86.1	50-200
1,4-Dichlorobenzene-d4 (IS Area/Area%)	310654	270759	n.a.	87.2	50-200
1,4-Dioxane d8 (IS Area/Area%)	29127	20373	n.a.	69.9	n.a.
Dichlorodifluoromethane	0.771	0.720	0.010	6.6	20 (60)
Chloromethane	1.150	1.016	0.010	11.7	20 (60)
Vinyl Chloride	0.776	0.755	0.010	2.7	20 (40)
Bromomethane	0.219	0.186	0.010	15.1	20 (60)
Chloroethane	0.377	0.369	0.010	2.1	20 (40)
Trichlorofluoromethane	0.818	0.775	0.010	5.3	20 (40)
1,1-Dichloroethene	0.441	0.431	0.060	2.3	20 (40)
Trichlorotrifluoroethane	0.357	0.345	0.050	3.4	20 (40)
Carbon Disulfide	1.270	1.215	0.100	4.3	20 (40)
Acrolein	0.027	0.024	* 0.050	11.1	20 (40)
Methylene Chloride	0.414	0.365	0.010	11.8	20 (40)
Acetone	0.045	0.035	0.010	22.2 +	20 (60)
Trans-1,2-Dichloroethene	0.474	0.448	0.100	5.5	20 (40)
Methyl t-Butyl Ether (MTBE)	0.672	0.565	0.100	15.9	20 (40)
1,1-Dichloroethane	1.003	0.938	0.300	6.5	20 (40)
Acrylonitrile	0.060	0.049	* 0.050	18.3	20 (40)
Cis-1,2-Dichloroethene	0.486	0.453	0.200	6.8	20 (40)
2,2-Dichloropropane	0.767	0.708	0.050	7.7	20 (40)
Bromochloromethane	0.141	0.131	0.100	7.1	20 (40)
Chloroform	0.772	0.747	0.300	3.2	20 (40)
Carbon Tetrachloride	0.523	0.478	0.100	8.6	20 (40)
Tetrahydrofuran (THF)	0.044	0.035	* 0.050	20.5 +	20 (40)
1,1,1-Trichloroethane	0.737	0.673	0.050	8.7	20 (40)
Methyl Ethyl Ketone	0.065	0.048	0.010	26.2 +	20 (60)
1,1-Dichloropropene	0.440	0.456	0.050	-3.6	20 (40)
Benzene	1.211	1.305	0.200	-7.8	20 (40)
1,2-Dichloroethane	0.295	0.275	0.070	6.8	20 (40)
Trichloroethene	0.340	0.343	0.200	-0.9	20 (40)
Dibromomethane	0.113	0.103	0.050	8.8	20 (40)
1,2-dichloropropane	0.380	0.356	0.200	6.3	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM17 Calibration Date: 02/01/24 Time: 07:21

Lab File Id: 0201_02.D Init. Calib. Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Init. Calib. Times: 12:40 14:47

GC Column: RTX-VMS Method File: VT-012224.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Bromodichloromethane	0.311	0.282	* 0.300	9.3	20 (40)
cis-1,3-Dichloropropene	0.422	0.389	0.300	7.8	20 (40)
Toluene	0.889	0.919	0.300	-3.4	20 (40)
4-Methyl-2-Pentanone	0.117	0.096	0.030	17.9	20 (60)
Tetrachloroethene	0.310	0.314	0.100	-1.3	20 (40)
trans-1,3-Dichloropropene	0.273	0.243	* 0.300	11.0	20 (40)
1,1,2-Trichloroethane	0.158	0.142	* 0.200	10.1	20 (40)
Dibromochloromethane	0.154	0.140	* 0.200	9.1	20 (40)
1,3-Dichloropropane	0.326	0.300	0.050	8.0	20 (40)
1,2-Dibromoethane	0.165	0.153	* 0.200	7.3	20 (40)
2-Hexanone	0.084	0.067	0.010	20.2 +	20 (60)
Chlorobenzene	0.951	0.928	0.400	2.4	20 (40)
Ethylbenzene	0.597	0.614	0.400	-2.8	20 (40)
1,1,1,2-Tetrachloroethane	0.219	0.216	0.050	1.4	20 (40)
m&p-Xylene	0.711	0.729	0.200	-2.5	20 (40)
o-Xylene	0.704	0.714	0.200	-1.4	20 (40)
Styrene	1.013	0.988	0.200	2.5	20 (40)
Bromoform	0.066	0.056	* 0.100	15.2	20 (40)
Isopropylbenzene	0.956	0.967	0.400	-1.2	20 (40)
Bromobenzene	0.691	0.668	0.050	3.3	20 (40)
n-Propylbenzene	0.963	0.963	0.050	0.0	20 (40)
1,1,2,2-Tetrachloroethane	0.325	0.288	0.200	11.4	20 (40)
2-Chlorotoluene	0.766	0.756	0.050	1.3	20 (40)
1,3,5-Trimethylbenzene	3.006	3.033	0.050	-0.9	20 (40)
1,2,3-Trichloropropane	0.255	0.227	0.050	11.0	20 (40)
trans-1,4-Dichloro-2-butene	0.000	0.052	0.050		20 (40)
4-Chlorotoluene	0.772	0.746	0.050	3.4	20 (40)
tert-Butylbenzene	2.546	2.576	0.050	-1.2	20 (40)
1,2,4-Trimethylbenzene	2.992	3.084	0.050	-3.1	20 (40)
sec-Butylbenzene	4.004	4.026	0.050	-0.5	20 (40)
p-Isopropyltoluene	3.221	3.302	0.050	-2.5	20 (40)
1,3-Dichlorobenzene	1.465	1.413	0.500	3.5	20 (40)
1,4-Dichlorobenzene	1.371	1.318	0.600	3.9	20 (40)
2-Isopropyltoluene	2.946	2.958	0.050	-0.4	20 (40)
n-Butylbenzene	2.965	3.003	0.050	-1.3	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCP97096
Instrument:	CHEM17		Calibration Date:	02/01/24	Time: 07:21
Lab File Id:	0201_02.D		Init. Calib. Date(s):	01/22/24	01/22/24
Heated Purge (Y/N):	N		Init. Calib. Times:	12:40	14:47
GC Column:	RTX-VMS		Method File: VT-012224.M		

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_02.D
 Acq On : 1 Feb 2024 7:21 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V - VOA 10 PPB STD. VOA14L II 02/01 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 07:41:17 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Pentafluorobenzene	1.000	1.000	0.0	98
2 T	Dichlorodifluoromethane	0.771	0.720	6.6	
3 T	Chloromethane	1.150	1.016	11.7	
4 T	Vinyl Chloride	0.776	0.755	2.7	
5 T	Bromomethane	0.219	0.186	15.1	
6 T	Chloroethane	0.377	0.369	2.1	
7 T	Trichlorofluoromethane	0.818	0.775	5.3	
9 T	1,1-Dichloroethene	0.441	0.431	2.3	
10 T	Trichlorotrifluoroethane	0.357	0.345	3.4	
11 T	Carbon Disulfide	1.270	1.215	4.3	
12 T	Acrolein	0.027	0.024	11.1	
13 T	Methylene Chloride	0.414	0.365	11.8	
14 T	Acetone	0.045	0.035	22.2	
15 T	Trans-1,2-Dichloroethene	0.474	0.448	5.5	
17 T	Methyl t-Butyl Ether (MTBE)	0.672	0.565	15.9	
19 T	1,1-Dichloroethane	1.003	0.938	6.5	
20 T	Acrylonitrile	0.060	0.049	18.3	
23 T	Cis-1,2-Dichloroethene	0.486	0.453	6.8	
24 T	2,2-Dichloropropane	0.767	0.708	7.7	
25 T	Bromochloromethane	0.141	0.131	7.1	
27 T	Chloroform	0.772	0.747	3.2	
28 T	Carbon Tetrachloride	0.523	0.478	8.6	
29 T	Tetrahydrofuran (THF)	0.044	0.035	20.5	
30 T	1,1,1-Trichloroethane	0.737	0.673	8.7	
31 Surr	% Dibromofluoromethane	0.078	0.073	6.4	
32 T	Methyl Ethyl Ketone	0.065	0.048	26.2	
33 Int	1,4-Difluorobenzene	1.000	1.000	0.0	87
34 T	1,1-Dichloropropene	0.440	0.456	-3.6	
35 T	Benzene	1.211	1.305	-7.8	
37 T	1,2-Dichloroethane	0.295	0.275	6.8	
39 T	Trichloroethene	0.340	0.343	-0.9	
40 T	Dibromomethane	0.113	0.103	8.8	
41 T	1,2-dichloropropane	0.380	0.356	6.3	
42 T	Bromodichloromethane	0.311	0.282	9.3	
43 T	cis-1,3-Dichloropropene	0.422	0.389	7.8	
44 T	Toluene	0.889	0.919	-3.4	
45 Surr	% Toluene-d8	1.270	1.285	-1.2	
46 T	4-Methyl-2-Pentanone	0.117	0.096	17.9	
47 T	Tetrachloroethene	0.310	0.314	-1.3	
48 T	trans-1,3-Dichloropropene	0.273	0.243	11.0	
49 T	1,1,2-Trichloroethane	0.158	0.142	10.1	
50 Int	Chlorobenzene-d5	1.000	1.000	0.0	86
51 T	Dibromochloromethane	0.154	0.140	9.1	
52 T	1,3-Dichloropropane	0.326	0.300	8.0	
53 T	1,2-Dibromoethane	0.165	0.153	7.3	
54 T	2-Hexanone	0.084	0.067	20.2	
55 T	Chlorobenzene	0.951	0.928	2.4	
56 T	Ethylbenzene	0.597	0.614	-2.8	
57 T	1,1,1,2-Tetrachloroethane	0.219	0.216	1.4	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_02.D
 Acq On : 1 Feb 2024 7:21 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V - VOA 10 PPB STD. VOA14L II 02/01 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 07:41:17 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	

58 T	m&p-Xylene	0.711	0.729	-2.5	
59 T	o-Xylene	0.704	0.714	-1.4	
60 T	Styrene	1.013	0.988	2.5	
61 T	Bromoform	0.066	0.056	15.2	
62 Surr	% Bromofluorobenzene	0.491	0.489	0.4	
63 Int	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87
64 surr	% 1,2-dichlorobenzene-d4	0.844	0.825	2.3	
65 T	Isopropylbenzene	0.956	0.967	-1.2	
66 T	Bromobenzene	0.691	0.668	3.3	
67 T	n-Propylbenzene	0.963	0.963	0.0	
68 T	1,1,2,2-Tetrachloroethane	0.325	0.288	11.4	
69 T	2-Chlorotoluene	0.766	0.756	1.3	
70 T	1,3,5-Trimethylbenzene	3.006	3.033	-0.9	
71 T	1,2,3-Trichloropropane	0.255	0.227	11.0	
72 qf	trans-1,4-Dichloro-2-butene	50.000	29.560	40.9#	
73 T	4-Chlorotoluene	0.772	0.746	3.4	
74 T	tert-Butylbenzene	2.546	2.576	-1.2	
75 T	1,2,4-Trimethylbenzene	2.992	3.084	-3.1	
76 T	sec-Butylbenzene	4.004	4.026	-0.5	
77 T	p-Isopropyltoluene	3.221	3.302	-2.5	
78 T	1,3-Dichlorobenzene	1.465	1.413	3.5	
79 T	1,4-Dichlorobenzene	1.371	1.318	3.9	
81 T	2-Isopropyltoluene	2.946	2.958	-0.4	
82 T	n-Butylbenzene	2.965	3.003	-1.3	
83 T	1,2-Dichlorobenzene	1.165	1.090	6.4	
84 T	1,2-Dibromo-3-Chloropropane	0.034	0.026	23.5	
85 T	Hexachlorobutadiene	0.372	0.361	3.0	
86 T	1,2,4-Trichlorobenzene	0.624	0.570	8.7	
87 T	Naphthalene	0.867	0.764	11.9	
88 T	1,2,3-Trichlorobenzene	0.480	0.409	14.8	
89 int	1,4-Dioxane d8	1.000	1.000	0.0	70

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Quantitation Report (Not Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_02.D
 Acq On : 1 Feb 2024 7:21 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V - VOA 10 PPB STD. VOA14L II 02/01 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 07:41:17 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	369752	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	570641	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	520911	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	270759	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	20373	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	26867	9.338	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.40%	
45) % Toluene-d8	4.982	98	732996	10.116	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.20%	
62) % Bromofluorobenzene	7.037	95	254832	9.973	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.70%	
64) % 1,2-dichlorobenzene-d4	8.052	152	223412	9.781	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.80%	
Target Compounds						
2) Dichlorodifluoromethane	1.080	85	266082	9.334	ug/l	100
3) Chloromethane	1.190	50	375721	8.835	ug/l	96
4) Vinyl Chloride	1.232	62	279234	9.728	ug/l	95
5) Bromomethane	1.404	94	68760	8.478	ug/l	96
6) Chloroethane	1.472	64	136569	9.789	ug/l	100
7) Trichlorofluoromethane	1.551	101	286493	9.470	ug/l	99
9) 1,1-Dichloroethene	1.844	96	159278	9.769	ug/l	92
10) Trichlorotrifluoroethane	1.865	151	127667	9.664	ug/l	94
11) Carbon Disulfide	1.870	76	449417	9.573	ug/l	99
12) Acrolein	2.042	56	45226	45.443	ug/l	94
13) Methylene Chloride	2.205	84	134915	8.823	ug/l	90
14) Acetone	2.236	43	12923	7.694	ug/l	99
15) Trans-1,2-Dichloroethene	2.314	96	165607	9.441	ug/l	95
17) Methyl t-Butyl Ether (...)	2.382	73	208978	8.408	ug/l	98
19) 1,1-Dichloroethane	2.712	63	346668	9.349	ug/l	100
20) Acrylonitrile	2.733	53	18172	8.240	ug/l	95
23) Cis-1,2-Dichloroethene	3.062	96	167583	9.326	ug/l	93
24) 2,2-Dichloropropane	3.136	77	261813	9.227	ug/l	97
25) Bromochloromethane	3.193	128	48368	9.245	ug/l#	81
27) Chloroform	3.245	83	276139	9.675	ug/l	93
28) Carbon Tetrachloride	3.340	117	176699	9.132	ug/l	98
29) Tetrahydrofuran (THF)	3.355	42	32029	19.643	ug/l	96
30) 1,1,1-Trichloroethane	3.381	97	249006	9.133	ug/l	97
32) Methyl Ethyl Ketone	3.444	43	17771	7.428	ug/l	80
34) 1,1-Dichloropropene	3.465	75	260416	10.373	ug/l	97
35) Benzene	3.622	78	744779	10.780	ug/l	99
37) 1,2-Dichloroethane	3.758	62	156919	9.326	ug/l	97
39) Trichloroethene	4.019	130	195635	10.090	ug/l	97
40) Dibromomethane	4.302	93	58690	9.126	ug/l	92
41) 1,2-dichloropropane	4.365	63	203242	9.382	ug/l	100
42) Bromodichloromethane	4.417	83	160662	9.065	ug/l	98
43) cis-1,3-Dichloropropene	4.851	75	221730	9.201	ug/l	99
44) Toluene	5.018	92	524325	10.330	ug/l	99
46) 4-Methyl-2-Pentanone	5.285	43	54662	8.196	ug/l	95
47) Tetrachloroethene	5.301	164	179221	10.124	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	138685	8.900	ug/l	98
49) 1,1,2-Trichloroethane	5.426	97	81240	9.033	ug/l	95

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_02.D
 Acq On : 1 Feb 2024 7:21 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V - VOA 10 PPB STD. VOA14L II 02/01 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 07:41:17 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

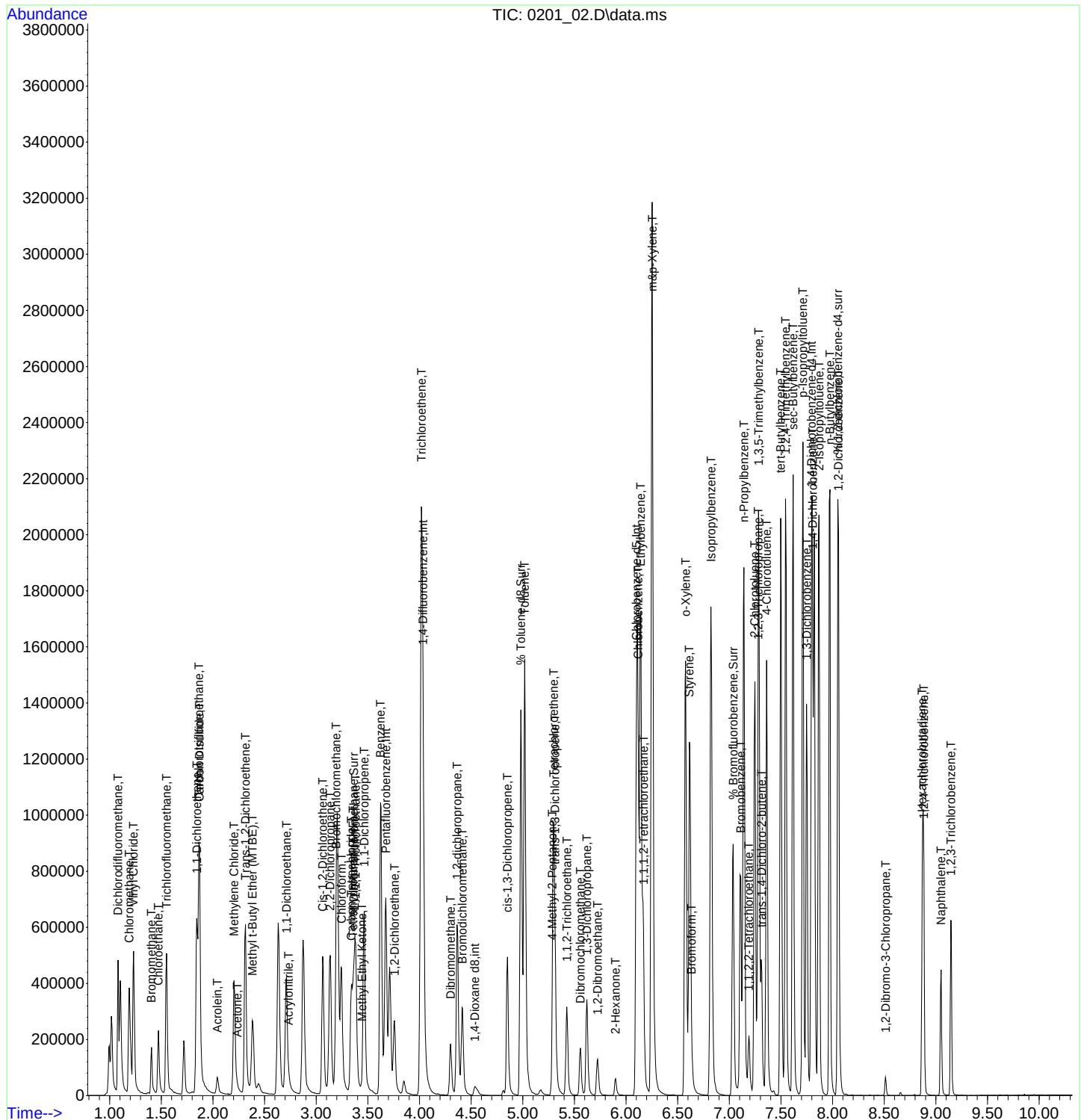
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	73055	9.098	ug/l	98
52) 1,3-Dichloropropane	5.620	76	156208	9.193	ug/l	99
53) 1,2-Dibromoethane	5.725	107	79687	9.281	ug/l	95
54) 2-Hexanone	5.897	43	34769	7.935	ug/l	98
55) Chlorobenzene	6.117	112	483428	9.763	ug/l	97
56) Ethylbenzene	6.143	106	319898	10.282	ug/l	96
57) 1,1,1,2-Tetrachloroethane	6.169	131	112498	9.858	ug/l	99
58) m&p-Xylene	6.253	106	759653	20.498	ug/l	98
59) o-Xylene	6.577	106	371977	10.144	ug/l	97
60) Styrene	6.614	104	514750	9.757	ug/l	97
61) Bromoform	6.635	173	29294	8.529	ug/l	98
65) Isopropylbenzene	6.823	120	261692	10.113	ug/l	97
66) Bromobenzene	7.111	156	180874	9.665	ug/l	92
67) n-Propylbenzene	7.142	120	260707	9.996	ug/l	97
68) 1,1,2,2-Tetrachloroethane	7.189	83	77937	8.844	ug/l	99
69) 2-Chlorotoluene	7.247	126	204738	9.872	ug/l	93
70) 1,3,5-Trimethylbenzene	7.283	105	821290	10.091	ug/l	98
71) 1,2,3-Trichloropropane	7.278	75	61541	8.913	ug/l	91
72) trans-1,4-Dichloro-2-b...	7.315	75	70422	29.560	ug/l	88
73) 4-Chlorotoluene	7.362	126	201997	9.667	ug/l	93
74) tert-Butylbenzene	7.498	119	697434	10.117	ug/l	97
75) 1,2,4-Trimethylbenzene	7.545	105	835124	10.308	ug/l	99
76) sec-Butylbenzene	7.618	105	1090111	10.055	ug/l	98
77) p-Isopropyltoluene	7.712	119	894110	10.253	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	382693	9.647	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	356867	9.612	ug/l	98
81) 2-Isopropyltoluene	7.869	119	800875	10.041	ug/l	98
82) n-Butylbenzene	7.974	91	813158	10.129	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	295169	9.358	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	7098	7.692	ug/l	89
85) Hexachlorobutadiene	8.868	225	97805	9.708	ug/l	100
86) 1,2,4-Trichlorobenzene	8.884	180	154199	9.126	ug/l	99
87) Naphthalene	9.051	128	206754	8.811	ug/l	98
88) 1,2,3-Trichlorobenzene	9.145	180	110840	8.524	ug/l	98

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (Not Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020124\
Data File : 0201_02.D
Acq On : 1 Feb 2024 7:21 am
Operator :
Client ID : CCAL 10 - BFB TUNE
Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V - VOA 10 PPB STD. VOA14L II 02/01 V
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 07:41:17 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM17 Calibration Date: 02/01/24 Time: 17:07

Lab File Id: 0201_25.D Init. Calib. Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Init. Calib. Times: 12:40 14:47

GC Column: RTX-VMS Method File: VT-012224.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	0.771	0.699	0.010	9.3	50
Chloromethane	1.150	1.011	0.010	12.1	50
Vinyl Chloride	0.776	0.745	0.010	4.0	50
Bromomethane	0.219	0.156	0.010	28.8	50
Chloroethane	0.377	0.364	0.010	3.4	50
Trichlorofluoromethane	0.818	0.765	0.010	6.5	50
1,1-Dichloroethene	0.441	0.434	0.010	1.6	50
Trichlorotrifluoroethane	0.357	0.328	0.010	8.1	50
Carbon Disulfide	1.270	1.177	0.010	7.3	50
Acrolein	0.027	0.020	0.010	25.9	50
Methylene Chloride	0.414	0.353	0.010	14.7	50
Acetone	0.045	0.038	0.010	15.6	50
Trans-1,2-Dichloroethene	0.474	0.444	0.010	6.3	50
Methyl t-Butyl Ether (MTBE)	0.672	0.526	0.010	21.7	50
1,1-Dichloroethane	1.003	0.913	0.010	9.0	50
Acrylonitrile	0.060	0.048	0.010	20.0	50
Cis-1,2-Dichloroethene	0.486	0.442	0.010	9.1	50
2,2-Dichloropropane	0.767	0.606	0.010	21.0	50
Bromochloromethane	0.141	0.124	0.010	12.1	50
Chloroform	0.772	0.671	0.010	13.1	50
Carbon Tetrachloride	0.523	0.487	0.010	6.9	50
Tetrahydrofuran (THF)	0.044	0.031	0.010	29.5	50
1,1,1-Trichloroethane	0.737	0.664	0.010	9.9	50
Methyl Ethyl Ketone	0.065	0.046	0.010	29.2	50
1,1-Dichloropropene	0.440	0.461	0.010	-4.8	50
Benzene	1.211	1.516	0.010	-25.2	50
1,2-Dichloroethane	0.295	0.263	0.010	10.8	50
Trichloroethene	0.340	0.349	0.010	-2.6	50
Dibromomethane	0.113	0.099	0.010	12.4	50
1,2-dichloropropane	0.380	0.352	0.010	7.4	50
Bromodichloromethane	0.311	0.272	0.010	12.5	50
cis-1,3-Dichloropropene	0.422	0.363	0.010	14.0	50
Toluene	0.889	0.922	0.010	-3.7	50
4-Methyl-2-Pentanone	0.117	0.088	0.010	24.8	50
Tetrachloroethene	0.310	0.311	0.010	-0.3	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM17 Calibration Date: 02/01/24 Time: 17:07

Lab File Id: 0201_25.D Init. Calib. Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Init. Calib. Times: 12:40 14:47

GC Column: RTX-VMS Method File: VT-012224.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
trans-1,3-Dichloropropene	0.273	0.224	0.010	17.9	50
1,1,2-Trichloroethane	0.158	0.136	0.010	13.9	50
Dibromochloromethane	0.154	0.140	0.010	9.1	50
1,3-Dichloropropane	0.326	0.294	0.010	9.8	50
1,2-Dibromoethane	0.165	0.149	0.010	9.7	50
2-Hexanone	0.084	0.064	0.010	23.8	50
Chlorobenzene	0.951	0.953	0.010	-0.2	50
Ethylbenzene	0.597	0.627	0.010	-5.0	50
1,1,1,2-Tetrachloroethane	0.219	0.215	0.010	1.8	50
m&p-Xylene	0.711	0.743	0.010	-4.5	50
o-Xylene	0.704	0.735	0.010	-4.4	50
Styrene	1.013	1.000	0.010	1.3	50
Bromoform	0.066	0.056	0.010	15.2	50
Isopropylbenzene	0.956	1.001	0.010	-4.7	50
Bromobenzene	0.691	0.672	0.010	2.7	50
n-Propylbenzene	0.963	1.003	0.010	-4.2	50
1,1,2,2-Tetrachloroethane	0.325	0.286	0.010	12.0	50
2-Chlorotoluene	0.766	0.771	0.010	-0.7	50
1,3,5-Trimethylbenzene	3.006	3.127	0.010	-4.0	50
1,2,3-Trichloropropane	0.255	0.237	0.010	7.1	50
trans-1,4-Dichloro-2-butene	0.000	0.038	0.010		50
4-Chlorotoluene	0.772	0.762	0.010	1.3	50
tert-Butylbenzene	2.546	2.649	0.010	-4.0	50
1,2,4-Trimethylbenzene	2.992	3.155	0.010	-5.4	50
sec-Butylbenzene	4.004	4.129	0.010	-3.1	50
p-Isopropyltoluene	3.221	3.315	0.010	-2.9	50
1,3-Dichlorobenzene	1.465	1.415	0.010	3.4	50
1,4-Dichlorobenzene	1.371	1.303	0.010	5.0	50
2-Isopropyltoluene	2.946	2.996	0.010	-1.7	50
n-Butylbenzene	2.965	2.940	0.010	0.8	50
1,2-Dichlorobenzene	1.165	1.093	0.010	6.2	50
1,2-Dibromo-3-Chloropropane	0.034	0.026	0.010	23.5	50
Hexachlorobutadiene	0.372	0.352	0.010	5.4	50
1,2,4-Trichlorobenzene	0.624	0.551	0.010	11.7	50
Naphthalene	0.867	0.737	0.010	15.0	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCP97096
Instrument:	CHEM17		Calibration Date:	02/01/24	Time: 17:07
Lab File Id:	0201_25.D		Init. Calib. Date(s):	01/22/24	01/22/24
Heated Purge (Y/N):	N		Init. Calib. Times:	12:40	14:47
GC Column:	RTX-VMS		Method File: VT-012224.M		

[illegible]

(*) Recommended RRF not met. (+) %D exceeds criteria. (%) %D exceeds (maximum) criteria.
 %D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D.
 (*) Recommended RRF not met. (#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_25.D
 Acq On : 1 Feb 2024 5:07 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:53:50 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
1 Int	Pentafluorobenzene	1.000	1.000	0.0	96
2 T	Dichlorodifluoromethane	0.771	0.699	9.3	
3 T	Chloromethane	1.150	1.011	12.1	
4 T	Vinyl Chloride	0.776	0.745	4.0	
5 T	Bromomethane	0.219	0.156	28.8	
6 T	Chloroethane	0.377	0.364	3.4	
7 T	Trichlorofluoromethane	0.818	0.765	6.5	
9 T	1,1-Dichloroethene	0.441	0.434	1.6	
10 T	Trichlorotrifluoroethane	0.357	0.328	8.1	
11 T	Carbon Disulfide	1.270	1.177	7.3	
12 T	Acrolein	0.027	0.020	25.9	
13 T	Methylene Chloride	0.414	0.353	14.7	
14 T	Acetone	0.045	0.038	15.6	
15 T	Trans-1,2-Dichloroethene	0.474	0.444	6.3	
17 T	Methyl t-Butyl Ether (MTBE)	0.672	0.526	21.7	
19 T	1,1-Dichloroethane	1.003	0.913	9.0	
20 T	Acrylonitrile	0.060	0.048	20.0	
23 T	Cis-1,2-Dichloroethene	0.486	0.442	9.1	
24 T	2,2-Dichloropropane	0.767	0.606	21.0	
25 T	Bromochloromethane	0.141	0.124	12.1	
27 T	Chloroform	0.772	0.671	13.1	
28 T	Carbon Tetrachloride	0.523	0.487	6.9	
29 T	Tetrahydrofuran (THF)	0.044	0.031	29.5	
30 T	1,1,1-Trichloroethane	0.737	0.664	9.9	
31 Surr	% Dibromofluoromethane	0.078	0.066	15.4	
32 T	Methyl Ethyl Ketone	0.065	0.046	29.2	
33 Int	1,4-Difluorobenzene	1.000	1.000	0.0	85
34 T	1,1-Dichloropropene	0.440	0.461	-4.8	
35 T	Benzene	1.211	1.516	-25.2	
37 T	1,2-Dichloroethane	0.295	0.263	10.8	
39 T	Trichloroethene	0.340	0.349	-2.6	
40 T	Dibromomethane	0.113	0.099	12.4	
41 T	1,2-dichloropropane	0.380	0.352	7.4	
42 T	Bromodichloromethane	0.311	0.272	12.5	
43 T	cis-1,3-Dichloropropene	0.422	0.363	14.0	
44 T	Toluene	0.889	0.922	-3.7	
45 Surr	% Toluene-d8	1.270	1.264	0.5	
46 T	4-Methyl-2-Pentanone	0.117	0.088	24.8	
47 T	Tetrachloroethene	0.310	0.311	-0.3	
48 T	trans-1,3-Dichloropropene	0.273	0.224	17.9	
49 T	1,1,2-Trichloroethane	0.158	0.136	13.9	
50 Int	Chlorobenzene-d5	1.000	1.000	0.0	81
51 T	Dibromochloromethane	0.154	0.140	9.1	
52 T	1,3-Dichloropropane	0.326	0.294	9.8	
53 T	1,2-Dibromoethane	0.165	0.149	9.7	
54 T	2-Hexanone	0.084	0.064	23.8	
55 T	Chlorobenzene	0.951	0.953	-0.2	
56 T	Ethylbenzene	0.597	0.627	-5.0	
57 T	1,1,1,2-Tetrachloroethane	0.219	0.215	1.8	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_25.D
 Acq On : 1 Feb 2024 5:07 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:53:50 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
58 T	m&p-Xylene	0.711	0.743	-4.5	
59 T	o-Xylene	0.704	0.735	-4.4	
60 T	Styrene	1.013	1.000	1.3	
61 T	Bromoform	0.066	0.056	15.2	
62 Surr	% Bromofluorobenzene	0.491	0.479	2.4	
63 Int	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81
64 surr	% 1,2-dichlorobenzene-d4	0.844	0.833	1.3	
65 T	Isopropylbenzene	0.956	1.001	-4.7	
66 T	Bromobenzene	0.691	0.672	2.7	
67 T	n-Propylbenzene	0.963	1.003	-4.2	
68 T	1,1,2,2-Tetrachloroethane	0.325	0.286	12.0	
69 T	2-Chlorotoluene	0.766	0.771	-0.7	
70 T	1,3,5-Trimethylbenzene	3.006	3.127	-4.0	
71 T	1,2,3-Trichloropropane	0.255	0.237	7.1	
72 qf	trans-1,4-Dichloro-2-butene	50.000	22.147	55.7#	
73 T	4-Chlorotoluene	0.772	0.762	1.3	
74 T	tert-Butylbenzene	2.546	2.649	-4.0	
75 T	1,2,4-Trimethylbenzene	2.992	3.155	-5.4	
76 T	sec-Butylbenzene	4.004	4.129	-3.1	
77 T	p-Isopropyltoluene	3.221	3.315	-2.9	
78 T	1,3-Dichlorobenzene	1.465	1.415	3.4	
79 T	1,4-Dichlorobenzene	1.371	1.303	5.0	
81 T	2-Isopropyltoluene	2.946	2.996	-1.7	
82 T	n-Butylbenzene	2.965	2.940	0.8	
83 T	1,2-Dichlorobenzene	1.165	1.093	6.2	
84 T	1,2-Dibromo-3-Chloropropane	0.034	0.026	23.5	
85 T	Hexachlorobutadiene	0.372	0.352	5.4	
86 T	1,2,4-Trichlorobenzene	0.624	0.551	11.7	
87 T	Naphthalene	0.867	0.737	15.0	
88 T	1,2,3-Trichlorobenzene	0.480	0.402	16.2	
89 int	1,4-Dioxane d8	1.000	1.000	0.0	78

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_25.D
 Acq On : 1 Feb 2024 5:07 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:53:50 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	365445	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	552722	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	491365	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	251424	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	22777	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	24187	8.506	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	85.10%	
45) % Toluene-d8	4.982	98	698908	9.958	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.60%	
62) % Bromofluorobenzene	7.037	95	235364	9.765	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.60%	
64) % 1,2-dichlorobenzene-d4	8.052	152	209486	9.876	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	255581	9.071	ug/l	99
3) Chloromethane	1.190	50	369552	8.792	ug/l	96
4) Vinyl Chloride	1.232	62	272074	9.590	ug/l	96
5) Bromomethane	1.405	94	56900	7.098	ug/l	97
6) Chloroethane	1.472	64	132893	9.638	ug/l	99
7) Trichlorofluoromethane	1.551	101	279396	9.344	ug/l	100
9) 1,1-Dichloroethene	1.844	96	158735	9.850	ug/l	91
10) Trichlorotrifluoroethane	1.865	151	119699	9.168	ug/l	95
11) Carbon Disulfide	1.870	76	430004	9.268	ug/l	99
12) Acrolein	2.043	56	37330	37.951	ug/l	97
13) Methylene Chloride	2.205	84	129051	8.539	ug/l	89
14) Acetone	2.231	43	14008	8.439	ug/l	96
15) Trans-1,2-Dichloroethene	2.315	96	162190	9.355	ug/l	94
17) Methyl t-Butyl Ether (...)	2.388	73	192050	7.818	ug/l	98
19) 1,1-Dichloroethane	2.712	63	333541	9.101	ug/l	99
20) Acrylonitrile	2.738	53	17632	8.089	ug/l	97
23) Cis-1,2-Dichloroethene	3.068	96	161552	9.096	ug/l	93
24) 2,2-Dichloropropane	3.136	77	221322	7.892	ug/l	98
25) Bromochloromethane	3.193	128	45243	8.750	ug/l#	78
27) Chloroform	3.246	83	245067	8.687	ug/l	100
28) Carbon Tetrachloride	3.340	117	177971	9.306	ug/l	98
29) Tetrahydrofuran (THF)	3.361	42	28557	17.720	ug/l	95
30) 1,1,1-Trichloroethane	3.382	97	242795	9.010	ug/l	98
32) Methyl Ethyl Ketone	3.444	43	16663	7.047	ug/l	76
34) 1,1-Dichloropropene	3.465	75	255077	10.490	ug/l	97
35) Benzene	3.627	78	837987	12.522	ug/l	100
37) 1,2-Dichloroethane	3.758	62	145401	8.922	ug/l	98
39) Trichloroethene	4.020	130	193172	10.286	ug/l	95
40) Dibromomethane	4.302	93	54534	8.755	ug/l	91
41) 1,2-dichloropropane	4.365	63	194527	9.271	ug/l	100
42) Bromodichloromethane	4.417	83	150200	8.749	ug/l	99
43) cis-1,3-Dichloropropene	4.851	75	200448	8.587	ug/l	98
44) Toluene	5.019	92	509471	10.363	ug/l	99
46) 4-Methyl-2-Pentanone	5.285	43	48546	7.515	ug/l	91
47) Tetrachloroethene	5.301	164	171972	10.029	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	123925	8.211	ug/l	97
49) 1,1,2-Trichloroethane	5.427	97	75308	8.645	ug/l	97

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_25.D
 Acq On : 1 Feb 2024 5:07 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:53:50 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

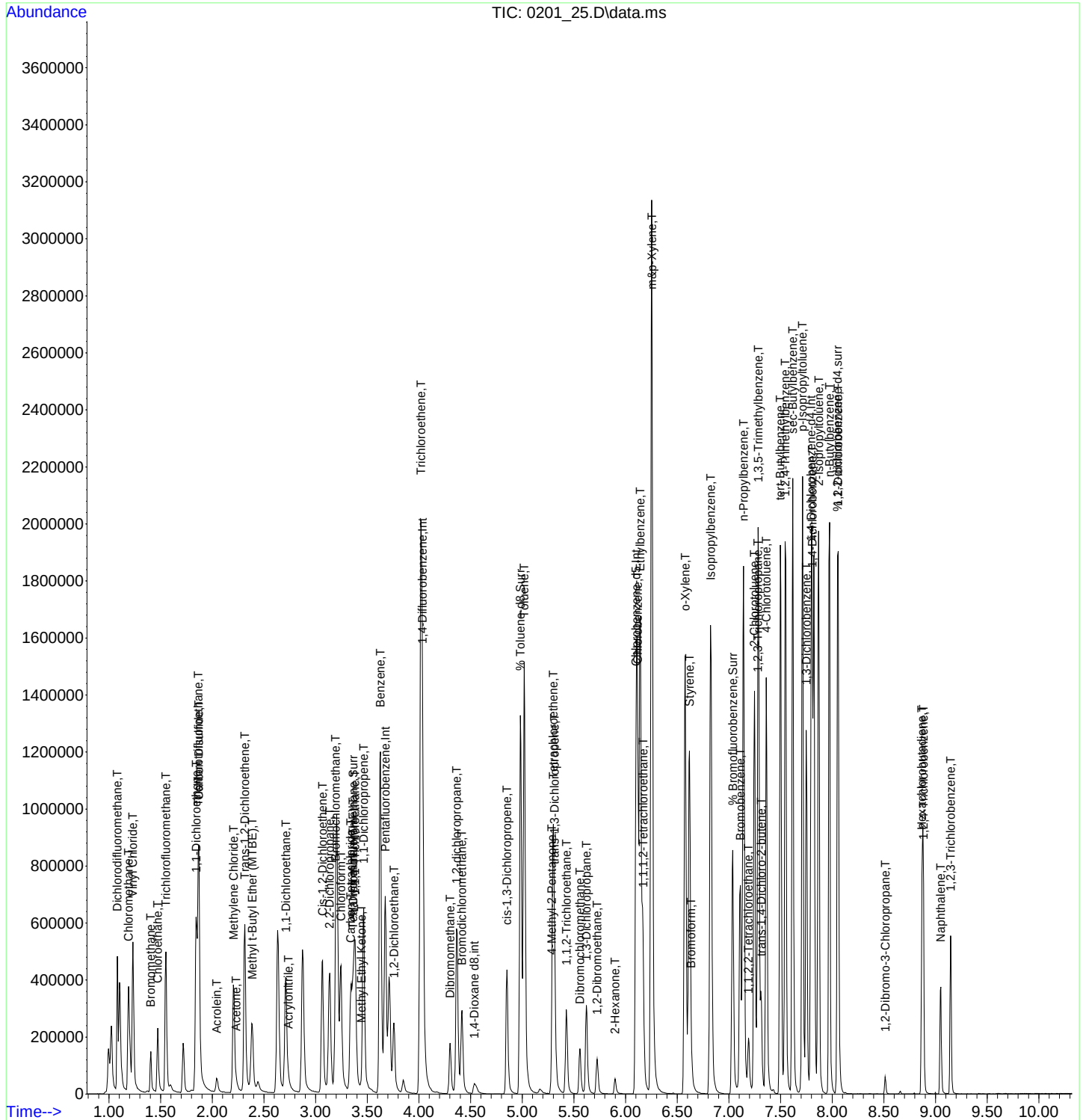
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	68573	9.053	ug/l	98
52) 1,3-Dichloropropane	5.620	76	144272	9.001	ug/l	100
53) 1,2-Dibromoethane	5.725	107	73246	9.043	ug/l	98
54) 2-Hexanone	5.897	43	31513	7.624	ug/l	98
55) Chlorobenzene	6.117	112	468222	10.025	ug/l	97
56) Ethylbenzene	6.143	106	307941	10.493	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.169	131	105790	9.827	ug/l	99
58) m&p-Xylene	6.253	106	730002	20.882	ug/l	98
59) o-Xylene	6.577	106	361000	10.437	ug/l	96
60) Styrene	6.619	104	491342	9.873	ug/l	97
61) Bromoform	6.635	173	27346	8.441	ug/l	96
65) Isopropylbenzene	6.823	120	251607	10.471	ug/l	97
66) Bromobenzene	7.111	156	168991	9.725	ug/l	90
67) n-Propylbenzene	7.142	120	252164	10.412	ug/l	94
68) 1,1,2,2-Tetrachloroethane	7.189	83	71842	8.780	ug/l	99
69) 2-Chlorotoluene	7.247	126	193884	10.067	ug/l	93
70) 1,3,5-Trimethylbenzene	7.283	105	786249	10.403	ug/l	99
71) 1,2,3-Trichloropropane	7.278	75	59568	9.291	ug/l	99
72) trans-1,4-Dichloro-2-b...	7.315	75	48281	22.147	ug/l	96
73) 4-Chlorotoluene	7.362	126	191557	9.873	ug/l	91
74) tert-Butylbenzene	7.498	119	666144	10.406	ug/l	96
75) 1,2,4-Trimethylbenzene	7.545	105	793157	10.543	ug/l	99
76) sec-Butylbenzene	7.618	105	1038045	10.311	ug/l	98
77) p-Isopropyltoluene	7.712	119	833396	10.291	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	355725	9.657	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	327538	9.501	ug/l	97
81) 2-Isopropyltoluene	7.869	119	753194	10.169	ug/l	98
82) n-Butylbenzene	7.974	91	739241	9.916	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	274917	9.386	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	6436	7.511	ug/l	87
85) Hexachlorobutadiene	8.868	225	88613	9.472	ug/l	100
86) 1,2,4-Trichlorobenzene	8.884	180	138555	8.831	ug/l	99
87) Naphthalene	9.051	128	185404	8.509	ug/l	98
88) 1,2,3-Trichlorobenzene	9.145	180	101012	8.366	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020124\
Data File : 0201_25.D
Acq On : 1 Feb 2024 5:07 pm
Operator :
Client ID : CCAL 10
Lab ID : VOA 10 PPB STD. VOA14L II 02/01 V
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:53:50 2024
Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM17 Calibration Date: 02/02/24 Time: 07:57

Lab File Id: 0202_02.D Init. Calib. Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Init. Calib. Times: 12:40 14:47

GC Column: RTX-VMS Method File: VT-012224.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Pentafluorobenzene (IS Area/Area%)	378883	355150	n.a.	93.7	50-200
1,4-Difluorobenzene (IS Area/Area%)	653646	545908	n.a.	83.5	50-200
Chlorobenzene-d5 (IS Area/Area%)	605125	483643	n.a.	79.9	50-200
1,4-Dichlorobenzene-d4 (IS Area/Area%)	310654	244745	n.a.	78.8	50-200
1,4-Dioxane d8 (IS Area/Area%)	29127	19121	n.a.	65.6	n.a.
Dichlorodifluoromethane	0.771	0.602	0.010	21.9 +	20 (60)
Chloromethane	1.150	0.949	0.010	17.5	20 (60)
Vinyl Chloride	0.776	0.699	0.010	9.9	20 (40)
Bromomethane	0.219	0.202	0.010	7.8	20 (60)
Chloroethane	0.377	0.355	0.010	5.8	20 (40)
Trichlorofluoromethane	0.818	0.727	0.010	11.1	20 (40)
1,1-Dichloroethene	0.441	0.414	0.060	6.1	20 (40)
Trichlorotrifluoroethane	0.357	0.324	0.050	9.2	20 (40)
Carbon Disulfide	1.270	1.145	0.100	9.8	20 (40)
Acrolein	0.027	0.023	* 0.050	14.8	20 (40)
Methylene Chloride	0.414	0.356	0.010	14.0	20 (40)
Acetone	0.045	0.037	0.010	17.8	20 (60)
Trans-1,2-Dichloroethene	0.474	0.444	0.100	6.3	20 (40)
Methyl t-Butyl Ether (MTBE)	0.672	0.512	0.100	23.8 +	20 (40)
1,1-Dichloroethane	1.003	0.923	0.300	8.0	20 (40)
Acrylonitrile	0.060	0.047	* 0.050	21.7 +	20 (40)
Cis-1,2-Dichloroethene	0.486	0.453	0.200	6.8	20 (40)
2,2-Dichloropropane	0.767	0.680	0.050	11.3	20 (40)
Bromochloromethane	0.141	0.124	0.100	12.1	20 (40)
Chloroform	0.772	0.680	0.300	11.9	20 (40)
Carbon Tetrachloride	0.523	0.500	0.100	4.4	20 (40)
Tetrahydrofuran (THF)	0.044	0.031	* 0.050	29.5 +	20 (40)
1,1,1-Trichloroethane	0.737	0.673	0.050	8.7	20 (40)
Methyl Ethyl Ketone	0.065	0.050	0.010	23.1 +	20 (60)
1,1-Dichloropropene	0.440	0.441	0.050	-0.2	20 (40)
Benzene	1.211	1.324	0.200	-9.3	20 (40)
1,2-Dichloroethane	0.295	0.267	0.070	9.5	20 (40)
Trichloroethene	0.340	0.340	0.200	0.0	20 (40)
Dibromomethane	0.113	0.098	0.050	13.3	20 (40)
1,2-dichloropropane	0.380	0.347	0.200	8.7	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM17 Calibration Date: 02/02/24 Time: 07:57

Lab File Id: 0202_02.D Init. Calib. Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Init. Calib. Times: 12:40 14:47

GC Column: RTX-VMS Method File: VT-012224.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Bromodichloromethane	0.311	0.285	* 0.300	8.4	20 (40)
cis-1,3-Dichloropropene	0.422	0.379	0.300	10.2	20 (40)
Toluene	0.889	0.869	0.300	2.2	20 (40)
4-Methyl-2-Pentanone	0.117	0.087	0.030	25.6 +	20 (60)
Tetrachloroethene	0.310	0.303	0.100	2.3	20 (40)
trans-1,3-Dichloropropene	0.273	0.237	* 0.300	13.2	20 (40)
1,1,2-Trichloroethane	0.158	0.136	* 0.200	13.9	20 (40)
Dibromochloromethane	0.154	0.149	* 0.200	3.2	20 (40)
1,3-Dichloropropane	0.326	0.294	0.050	9.8	20 (40)
1,2-Dibromoethane	0.165	0.150	* 0.200	9.1	20 (40)
2-Hexanone	0.084	0.060	0.010	28.6 +	20 (60)
Chlorobenzene	0.951	0.946	0.400	0.5	20 (40)
Ethylbenzene	0.597	0.608	0.400	-1.8	20 (40)
1,1,1,2-Tetrachloroethane	0.219	0.230	0.050	-5.0	20 (40)
m&p-Xylene	0.711	0.718	0.200	-1.0	20 (40)
o-Xylene	0.704	0.699	0.200	0.7	20 (40)
Styrene	1.013	1.001	0.200	1.2	20 (40)
Bromoform	0.066	0.060	* 0.100	9.1	20 (40)
Isopropylbenzene	0.956	1.002	0.400	-4.8	20 (40)
Bromobenzene	0.691	0.676	0.050	2.2	20 (40)
n-Propylbenzene	0.963	1.009	0.050	-4.8	20 (40)
1,1,2,2-Tetrachloroethane	0.325	0.288	0.200	11.4	20 (40)
2-Chlorotoluene	0.766	0.804	0.050	-5.0	20 (40)
1,3,5-Trimethylbenzene	3.006	3.115	0.050	-3.6	20 (40)
1,2,3-Trichloropropane	0.255	0.246	0.050	3.5	20 (40)
trans-1,4-Dichloro-2-butene	0.000	0.054	0.050		20 (40)
4-Chlorotoluene	0.772	0.782	0.050	-1.3	20 (40)
tert-Butylbenzene	2.546	2.627	0.050	-3.2	20 (40)
1,2,4-Trimethylbenzene	2.992	3.075	0.050	-2.8	20 (40)
sec-Butylbenzene	4.004	4.040	0.050	-0.9	20 (40)
p-Isopropyltoluene	3.221	3.321	0.050	-3.1	20 (40)
1,3-Dichlorobenzene	1.465	1.442	0.500	1.6	20 (40)
1,4-Dichlorobenzene	1.371	1.331	0.600	2.9	20 (40)
2-Isopropyltoluene	2.946	3.002	0.050	-1.9	20 (40)
n-Butylbenzene	2.965	2.944	0.050	0.7	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCP97096
Instrument:	CHEM17		Calibration Date:	02/02/24	Time: 07:57
Lab File Id:	0202_02.D		Init. Calib. Date(s):	01/22/24	01/22/24
Heated Purge (Y/N):	N		Init. Calib. Times:	12:40	14:47
GC Column:	RTX-VMS		Method File:	VT-012224.M	

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_02.D
 Acq On : 2 Feb 2024 7:57 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V - VOA 10 PPB STD. VOA14L II 02/02 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:09:22 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
1 Int	Pentafluorobenzene	1.000	1.000	0.0	94
2 T	Dichlorodifluoromethane	0.771	0.602	21.9	
3 T	Chloromethane	1.150	0.949	17.5	
4 T	Vinyl Chloride	0.776	0.699	9.9	
5 T	Bromomethane	0.219	0.202	7.8	
6 T	Chloroethane	0.377	0.355	5.8	
7 T	Trichlorofluoromethane	0.818	0.727	11.1	
9 T	1,1-Dichloroethene	0.441	0.414	6.1	
10 T	Trichlorotrifluoroethane	0.357	0.324	9.2	
11 T	Carbon Disulfide	1.270	1.145	9.8	
12 T	Acrolein	0.027	0.023	14.8	
13 T	Methylene Chloride	0.414	0.356	14.0	
14 T	Acetone	0.045	0.037	17.8	
15 T	Trans-1,2-Dichloroethene	0.474	0.444	6.3	
17 T	Methyl t-Butyl Ether (MTBE)	0.672	0.512	23.8	
19 T	1,1-Dichloroethane	1.003	0.923	8.0	
20 T	Acrylonitrile	0.060	0.047	21.7	
23 T	Cis-1,2-Dichloroethene	0.486	0.453	6.8	
24 T	2,2-Dichloropropane	0.767	0.680	11.3	
25 T	Bromochloromethane	0.141	0.124	12.1	
27 T	Chloroform	0.772	0.680	11.9	
28 T	Carbon Tetrachloride	0.523	0.500	4.4	
29 T	Tetrahydrofuran (THF)	0.044	0.031	29.5	
30 T	1,1,1-Trichloroethane	0.737	0.673	8.7	
31 Surr	% Dibromofluoromethane	0.078	0.070	10.3	
32 T	Methyl Ethyl Ketone	0.065	0.050	23.1	
33 Int	1,4-Difluorobenzene	1.000	1.000	0.0	84
34 T	1,1-Dichloropropene	0.440	0.441	-0.2	
35 T	Benzene	1.211	1.324	-9.3	
37 T	1,2-Dichloroethane	0.295	0.267	9.5	
39 T	Trichloroethene	0.340	0.340	0.0	
40 T	Dibromomethane	0.113	0.098	13.3	
41 T	1,2-dichloropropane	0.380	0.347	8.7	
42 T	Bromodichloromethane	0.311	0.285	8.4	
43 T	cis-1,3-Dichloropropene	0.422	0.379	10.2	
44 T	Toluene	0.889	0.869	2.2	
45 Surr	% Toluene-d8	1.270	1.264	0.5	
46 T	4-Methyl-2-Pentanone	0.117	0.087	25.6	
47 T	Tetrachloroethene	0.310	0.303	2.3	
48 T	trans-1,3-Dichloropropene	0.273	0.237	13.2	
49 T	1,1,2-Trichloroethane	0.158	0.136	13.9	
50 Int	Chlorobenzene-d5	1.000	1.000	0.0	80
51 T	Dibromochloromethane	0.154	0.149	3.2	
52 T	1,3-Dichloropropane	0.326	0.294	9.8	
53 T	1,2-Dibromoethane	0.165	0.150	9.1	
54 T	2-Hexanone	0.084	0.060	28.6	
55 T	Chlorobenzene	0.951	0.946	0.5	
56 T	Ethylbenzene	0.597	0.608	-1.8	
57 T	1,1,1,2-Tetrachloroethane	0.219	0.230	-5.0	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_02.D
 Acq On : 2 Feb 2024 7:57 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V - VOA 10 PPB STD. VOA14L II 02/02 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:09:22 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
58 T	m&p-Xylene	0.711	0.718	-1.0	
59 T	o-Xylene	0.704	0.699	0.7	
60 T	Styrene	1.013	1.001	1.2	
61 T	Bromoform	0.066	0.060	9.1	
62 Surr	% Bromofluorobenzene	0.491	0.488	0.6	
63 Int	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79
64 surr	% 1,2-dichlorobenzene-d4	0.844	0.823	2.5	
65 T	Isopropylbenzene	0.956	1.002	-4.8	
66 T	Bromobenzene	0.691	0.676	2.2	
67 T	n-Propylbenzene	0.963	1.009	-4.8	
68 T	1,1,2,2-Tetrachloroethane	0.325	0.288	11.4	
69 T	2-Chlorotoluene	0.766	0.804	-5.0	
70 T	1,3,5-Trimethylbenzene	3.006	3.115	-3.6	
71 T	1,2,3-Trichloropropane	0.255	0.246	3.5	
72 qf	trans-1,4-Dichloro-2-butene	50.000	30.840	38.3#	
73 T	4-Chlorotoluene	0.772	0.782	-1.3	
74 T	tert-Butylbenzene	2.546	2.627	-3.2	
75 T	1,2,4-Trimethylbenzene	2.992	3.075	-2.8	
76 T	sec-Butylbenzene	4.004	4.040	-0.9	
77 T	p-Isopropyltoluene	3.221	3.321	-3.1	
78 T	1,3-Dichlorobenzene	1.465	1.442	1.6	
79 T	1,4-Dichlorobenzene	1.371	1.331	2.9	
81 T	2-Isopropyltoluene	2.946	3.002	-1.9	
82 T	n-Butylbenzene	2.965	2.944	0.7	
83 T	1,2-Dichlorobenzene	1.165	1.114	4.4	
84 T	1,2-Dibromo-3-Chloropropane	0.034	0.029	14.7	
85 T	Hexachlorobutadiene	0.372	0.347	6.7	
86 T	1,2,4-Trichlorobenzene	0.624	0.564	9.6	
87 T	Naphthalene	0.867	0.714	17.6	
88 T	1,2,3-Trichlorobenzene	0.480	0.407	15.2	
89 int	1,4-Dioxane d8	1.000	1.000	0.0	66

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_02.D
 Acq On : 2 Feb 2024 7:57 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V - VOA 10 PPB STD. VOA14L II 02/02 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:09:22 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	355150	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	545908	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	483643	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	244745	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	19121	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	24998	9.046	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	90.50%	
45) % Toluene-d8	4.982	98	690215	9.957	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.60%	
62) % Bromofluorobenzene	7.037	95	235848	9.941	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.40%	
64) % 1,2-dichlorobenzene-d4	8.052	152	201321	9.750	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.50%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	213896	7.812	ug/l	99
3) Chloromethane	1.185	50	337084	8.252	ug/l	98
4) Vinyl Chloride	1.227	62	248313	9.006	ug/l	96
5) Bromomethane	1.404	94	71599	9.190	ug/l	97
6) Chloroethane	1.472	64	125999	9.403	ug/l	99
7) Trichlorofluoromethane	1.551	101	258112	8.882	ug/l	100
9) 1,1-Dichloroethene	1.844	96	147181	9.398	ug/l	92
10) Trichlorotrifluoroethane	1.865	151	114904	9.056	ug/l	94
11) Carbon Disulfide	1.870	76	406739	9.021	ug/l	99
12) Acrolein	2.043	56	41061	42.954	ug/l	100
13) Methylene Chloride	2.205	84	126298	8.599	ug/l	91
14) Acetone	2.231	43	12964	8.036	ug/l	97
15) Trans-1,2-Dichloroethene	2.315	96	157774	9.364	ug/l	94
17) Methyl t-Butyl Ether (...)	2.383	73	182010	7.624	ug/l	96
19) 1,1-Dichloroethane	2.707	63	327925	9.207	ug/l	99
20) Acrylonitrile	2.733	53	16856	7.957	ug/l	95
23) Cis-1,2-Dichloroethene	3.062	96	160751	9.313	ug/l	91
24) 2,2-Dichloropropane	3.136	77	241466	8.860	ug/l	99
25) Bromochloromethane	3.193	128	44040	8.764	ug/l#	80
27) Chloroform	3.246	83	241606	8.813	ug/l	98
28) Carbon Tetrachloride	3.340	117	177445	9.547	ug/l	99
29) Tetrahydrofuran (THF)	3.355	42	27398	17.494	ug/l	93
30) 1,1,1-Trichloroethane	3.382	97	239109	9.131	ug/l	96
32) Methyl Ethyl Ketone	3.439	43	17713	7.708	ug/l	82
34) 1,1-Dichloropropene	3.460	75	240529	10.015	ug/l	97
35) Benzene	3.627	78	722785	10.935	ug/l	100
37) 1,2-Dichloroethane	3.758	62	145514	9.040	ug/l	99
39) Trichloroethene	4.020	130	185758	10.015	ug/l	96
40) Dibromomethane	4.302	93	53741	8.735	ug/l	92
41) 1,2-dichloropropane	4.365	63	189452	9.142	ug/l	100
42) Bromodichloromethane	4.417	83	155749	9.186	ug/l	98
43) cis-1,3-Dichloropropene	4.851	75	206703	8.966	ug/l	99
44) Toluene	5.019	92	474452	9.771	ug/l	100
46) 4-Methyl-2-Pentanone	5.285	43	47294	7.412	ug/l	94
47) Tetrachloroethene	5.301	164	165515	9.773	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	129285	8.673	ug/l	96
49) 1,1,2-Trichloroethane	5.427	97	74335	8.640	ug/l	92

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_02.D
 Acq On : 2 Feb 2024 7:57 am
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V - VOA 10 PPB STD. VOA14L II 02/02 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:09:22 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

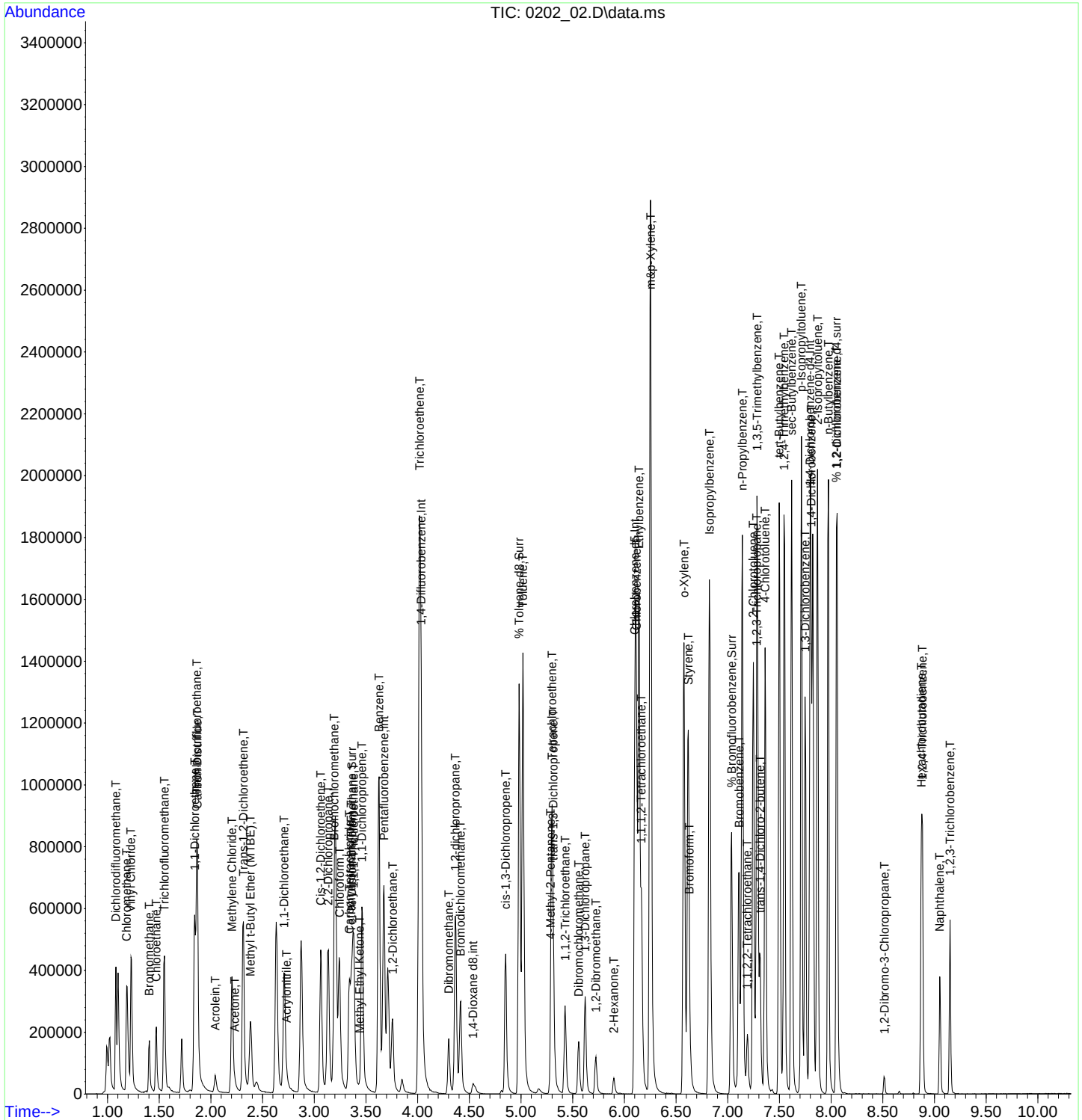
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	71939	9.649	ug/l	100
52) 1,3-Dichloropropane	5.620	76	142185	9.013	ug/l	100
53) 1,2-Dibromoethane	5.725	107	72583	9.105	ug/l	99
54) 2-Hexanone	5.897	43	28886	7.100	ug/l	97
55) Chlorobenzene	6.117	112	457290	9.947	ug/l	98
56) Ethylbenzene	6.143	106	293972	10.177	ug/l	94
57) 1,1,1,2-Tetrachloroethane	6.164	131	111209	10.496	ug/l	99
58) m&p-Xylene	6.253	106	694307	20.178	ug/l	98
59) o-Xylene	6.577	106	338018	9.928	ug/l	96
60) Styrene	6.619	104	484328	9.887	ug/l	97
61) Bromoform	6.630	173	29230	9.166	ug/l	97
65) Isopropylbenzene	6.823	120	245151	10.481	ug/l	96
66) Bromobenzene	7.111	156	165521	9.785	ug/l	91
67) n-Propylbenzene	7.142	120	246846	10.470	ug/l	94
68) 1,1,2,2-Tetrachloroethane	7.189	83	70573	8.860	ug/l	99
69) 2-Chlorotoluene	7.247	126	196828	10.499	ug/l	90
70) 1,3,5-Trimethylbenzene	7.283	105	762326	10.362	ug/l	98
71) 1,2,3-Trichloropropane	7.278	75	60092	9.628	ug/l	87
72) trans-1,4-Dichloro-2-b...	7.315	75	66579	30.840	ug/l	88
73) 4-Chlorotoluene	7.362	126	191342	10.131	ug/l	91
74) tert-Butylbenzene	7.498	119	643015	10.319	ug/l	97
75) 1,2,4-Trimethylbenzene	7.545	105	752476	10.276	ug/l	99
76) sec-Butylbenzene	7.618	105	988759	10.090	ug/l	98
77) p-Isopropyltoluene	7.712	119	812846	10.311	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	352866	9.841	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	325809	9.708	ug/l	98
81) 2-Isopropyltoluene	7.869	119	734825	10.192	ug/l	98
82) n-Butylbenzene	7.974	91	720635	9.930	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	272686	9.564	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.518	155	7094	8.505	ug/l	89
85) Hexachlorobutadiene	8.873	225	84909	9.324	ug/l	98
86) 1,2,4-Trichlorobenzene	8.884	180	137951	9.033	ug/l	99
87) Naphthalene	9.051	128	174821	8.242	ug/l	98
88) 1,2,3-Trichlorobenzene	9.150	180	99537	8.469	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

```
Data Path : H:\V2024\CHEM17\02FEB\020224\  
Data File : 0202_02.D  
Acq On : 2 Feb 2024 7:57 am  
Operator :  
Client ID : CCAL 10 - BFB TUNE  
Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V - VOA 10 PPB STD. VOA14L II 02/02 V  
ALS Vial : 1 Sample Multiplier: 1
```

Quant Time: Feb 02 08:09:22 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM17 Calibration Date: 02/02/24 Time: 19:03

Lab File Id: 0202_28.D Init. Calib. Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Init. Calib. Times: 12:40 14:47

GC Column: RTX-VMS Method File: VT-012224.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	0.771	0.725	0.010	6.0	50
Chloromethane	1.150	1.002	0.010	12.9	50
Vinyl Chloride	0.776	0.821	0.010	-5.8	50
Bromomethane	0.219	0.199	0.010	9.1	50
Chloroethane	0.377	0.408	0.010	-8.2	50
Trichlorofluoromethane	0.818	0.876	0.010	-7.1	50
1,1-Dichloroethene	0.441	0.482	0.010	-9.3	50
Trichlorotrifluoroethane	0.357	0.387	0.010	-8.4	50
Carbon Disulfide	1.270	1.308	0.010	-3.0	50
Acrolein	0.027	0.023	0.010	14.8	50
Methylene Chloride	0.414	0.392	0.010	5.3	50
Acetone	0.045	0.042	0.010	6.7	50
Trans-1,2-Dichloroethene	0.474	0.503	0.010	-6.1	50
Methyl t-Butyl Ether (MTBE)	0.672	0.543	0.010	19.2	50
1,1-Dichloroethane	1.003	1.034	0.010	-3.1	50
Acrylonitrile	0.060	0.051	0.010	15.0	50
Cis-1,2-Dichloroethene	0.486	0.477	0.010	1.9	50
2,2-Dichloropropane	0.767	0.646	0.010	15.8	50
Bromochloromethane	0.141	0.137	0.010	2.8	50
Chloroform	0.772	0.830	0.010	-7.5	50
Carbon Tetrachloride	0.523	0.598	0.010	-14.3	50
Tetrahydrofuran (THF)	0.044	0.033	0.010	25.0	50
1,1,1-Trichloroethane	0.737	0.780	0.010	-5.8	50
Methyl Ethyl Ketone	0.065	0.051	0.010	21.5	50
1,1-Dichloropropene	0.440	0.521	0.010	-18.4	50
Benzene	1.211	1.660	0.010	-37.1	50
1,2-Dichloroethane	0.295	0.293	0.010	0.7	50
Trichloroethene	0.340	0.393	0.010	-15.6	50
Dibromomethane	0.113	0.109	0.010	3.5	50
1,2-dichloropropane	0.380	0.382	0.010	-0.5	50
Bromodichloromethane	0.311	0.319	0.010	-2.6	50
cis-1,3-Dichloropropene	0.422	0.405	0.010	4.0	50
Toluene	0.889	0.997	0.010	-12.1	50
4-Methyl-2-Pentanone	0.117	0.091	0.010	22.2	50
Tetrachloroethene	0.310	0.356	0.010	-14.8	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP97096

Instrument: CHEM17 Calibration Date: 02/02/24 Time: 19:03

Lab File Id: 0202_28.D Init. Calib. Date(s): 01/22/24 01/22/24

Heated Purge (Y/N): N Init. Calib. Times: 12:40 14:47

GC Column: RTX-VMS Method File: VT-012224.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
trans-1,3-Dichloropropene	0.273	0.249	0.010	8.8	50
1,1,2-Trichloroethane	0.158	0.148	0.010	6.3	50
Dibromochloromethane	0.154	0.166	0.010	-7.8	50
1,3-Dichloropropane	0.326	0.315	0.010	3.4	50
1,2-Dibromoethane	0.165	0.165	0.010	0.0	50
2-Hexanone	0.084	0.065	0.010	22.6	50
Chlorobenzene	0.951	1.064	0.010	-11.9	50
Ethylbenzene	0.597	0.702	0.010	-17.6	50
1,1,1,2-Tetrachloroethane	0.219	0.259	0.010	-18.3	50
m&p-Xylene	0.711	0.828	0.010	-16.5	50
o-Xylene	0.704	0.812	0.010	-15.3	50
Styrene	1.013	1.119	0.010	-10.5	50
Bromoform	0.066	0.067	0.010	-1.5	50
Isopropylbenzene	0.956	1.140	0.010	-19.2	50
Bromobenzene	0.691	0.763	0.010	-10.4	50
n-Propylbenzene	0.963	1.158	0.010	-20.2	50
1,1,2,2-Tetrachloroethane	0.325	0.309	0.010	4.9	50
2-Chlorotoluene	0.766	0.892	0.010	-16.4	50
1,3,5-Trimethylbenzene	3.006	3.527	0.010	-17.3	50
1,2,3-Trichloropropane	0.255	0.245	0.010	3.9	50
trans-1,4-Dichloro-2-butene	0.000	0.059	0.010		50
4-Chlorotoluene	0.772	0.879	0.010	-13.9	50
tert-Butylbenzene	2.546	2.992	0.010	-17.5	50
1,2,4-Trimethylbenzene	2.992	3.566	0.010	-19.2	50
sec-Butylbenzene	4.004	4.655	0.010	-16.3	50
p-Isopropyltoluene	3.221	3.730	0.010	-15.8	50
1,3-Dichlorobenzene	1.465	1.605	0.010	-9.6	50
1,4-Dichlorobenzene	1.371	1.484	0.010	-8.2	50
2-Isopropyltoluene	2.946	3.392	0.010	-15.1	50
n-Butylbenzene	2.965	3.294	0.010	-11.1	50
1,2-Dichlorobenzene	1.165	1.218	0.010	-4.5	50
1,2-Dibromo-3-Chloropropane	0.034	0.030	0.010	11.8	50
Hexachlorobutadiene	0.372	0.393	0.010	-5.6	50
1,2,4-Trichlorobenzene	0.624	0.614	0.010	1.6	50
Naphthalene	0.867	0.764	0.010	11.9	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCP97096
Instrument:	CHEM17		Calibration Date:	02/02/24	Time: 19:03
Lab File Id:	0202_28.D		Init. Calib. Date(s):	01/22/24	01/22/24
Heated Purge (Y/N):	N		Init. Calib. Times:	12:40	14:47
GC Column:	RTX-VMS		Method File:	VT-012224.M	

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
 %D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
 (*) Recommended RRF not met. (#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_28.D
 Acq On : 2 Feb 2024 7:03 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:55:30 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
1 Int	Pentafluorobenzene	1.000	1.000	0.0	90
2 T	Dichlorodifluoromethane	0.771	0.725	6.0	
3 T	Chloromethane	1.150	1.002	12.9	
4 T	Vinyl Chloride	0.776	0.821	-5.8	
5 T	Bromomethane	0.219	0.199	9.1	
6 T	Chloroethane	0.377	0.408	-8.2	
7 T	Trichlorofluoromethane	0.818	0.876	-7.1	
9 T	1,1-Dichloroethene	0.441	0.482	-9.3	
10 T	Trichlorotrifluoroethane	0.357	0.387	-8.4	
11 T	Carbon Disulfide	1.270	1.308	-3.0	
12 T	Acrolein	0.027	0.023	14.8	
13 T	Methylene Chloride	0.414	0.392	5.3	
14 T	Acetone	0.045	0.042	6.7	
15 T	Trans-1,2-Dichloroethene	0.474	0.503	-6.1	
17 T	Methyl t-Butyl Ether (MTBE)	0.672	0.543	19.2	
19 T	1,1-Dichloroethane	1.003	1.034	-3.1	
20 T	Acrylonitrile	0.060	0.051	15.0	
23 T	Cis-1,2-Dichloroethene	0.486	0.477	1.9	
24 T	2,2-Dichloropropane	0.767	0.646	15.8	
25 T	Bromochloromethane	0.141	0.137	2.8	
27 T	Chloroform	0.772	0.830	-7.5	
28 T	Carbon Tetrachloride	0.523	0.598	-14.3	
29 T	Tetrahydrofuran (THF)	0.044	0.033	25.0	
30 T	1,1,1-Trichloroethane	0.737	0.780	-5.8	
31 Surr	% Dibromofluoromethane	0.078	0.069	11.5	
32 T	Methyl Ethyl Ketone	0.065	0.051	21.5	
33 Int	1,4-Difluorobenzene	1.000	1.000	0.0	79
34 T	1,1-Dichloropropene	0.440	0.521	-18.4	
35 T	Benzene	1.211	1.660	-37.1#	
37 T	1,2-Dichloroethane	0.295	0.293	0.7	
39 T	Trichloroethene	0.340	0.393	-15.6	
40 T	Dibromomethane	0.113	0.109	3.5	
41 T	1,2-dichloropropane	0.380	0.382	-0.5	
42 T	Bromodichloromethane	0.311	0.319	-2.6	
43 T	cis-1,3-Dichloropropene	0.422	0.405	4.0	
44 T	Toluene	0.889	0.997	-12.1	
45 Surr	% Toluene-d8	1.270	1.267	0.2	
46 T	4-Methyl-2-Pentanone	0.117	0.091	22.2	
47 T	Tetrachloroethene	0.310	0.356	-14.8	
48 T	trans-1,3-Dichloropropene	0.273	0.249	8.8	
49 T	1,1,2-Trichloroethane	0.158	0.148	6.3	
50 Int	Chlorobenzene-d5	1.000	1.000	0.0	74
51 T	Dibromochloromethane	0.154	0.166	-7.8	
52 T	1,3-Dichloropropane	0.326	0.315	3.4	
53 T	1,2-Dibromoethane	0.165	0.165	0.0	
54 T	2-Hexanone	0.084	0.065	22.6	
55 T	Chlorobenzene	0.951	1.064	-11.9	
56 T	Ethylbenzene	0.597	0.702	-17.6	
57 T	1,1,1,2-Tetrachloroethane	0.219	0.259	-18.3	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_28.D
 Acq On : 2 Feb 2024 7:03 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:55:30 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
58 T	m&p-Xylene	0.711	0.828	-16.5	
59 T	o-Xylene	0.704	0.812	-15.3	
60 T	Styrene	1.013	1.119	-10.5	
61 T	Bromoform	0.066	0.067	-1.5	
62 Surr	% Bromofluorobenzene	0.491	0.483	1.6	
63 Int	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73
64 surr	% 1,2-dichlorobenzene-d4	0.844	0.802	5.0	
65 T	Isopropylbenzene	0.956	1.140	-19.2	
66 T	Bromobenzene	0.691	0.763	-10.4	
67 T	n-Propylbenzene	0.963	1.158	-20.2	
68 T	1,1,2,2-Tetrachloroethane	0.325	0.309	4.9	
69 T	2-Chlorotoluene	0.766	0.892	-16.4	
70 T	1,3,5-Trimethylbenzene	3.006	3.527	-17.3	
71 T	1,2,3-Trichloropropane	0.255	0.245	3.9	
72 gf	trans-1,4-Dichloro-2-butene	50.000	33.478	33.0	
73 T	4-Chlorotoluene	0.772	0.879	-13.9	
74 T	tert-Butylbenzene	2.546	2.992	-17.5	
75 T	1,2,4-Trimethylbenzene	2.992	3.566	-19.2	
76 T	sec-Butylbenzene	4.004	4.655	-16.3	
77 T	p-Isopropyltoluene	3.221	3.730	-15.8	
78 T	1,3-Dichlorobenzene	1.465	1.605	-9.6	
79 T	1,4-Dichlorobenzene	1.371	1.484	-8.2	
81 T	2-Isopropyltoluene	2.946	3.392	-15.1	
82 T	n-Butylbenzene	2.965	3.294	-11.1	
83 T	1,2-Dichlorobenzene	1.165	1.218	-4.5	
84 T	1,2-Dibromo-3-Chloropropane	0.034	0.030	11.8	
85 T	Hexachlorobutadiene	0.372	0.393	-5.6	
86 T	1,2,4-Trichlorobenzene	0.624	0.614	1.6	
87 T	Naphthalene	0.867	0.764	11.9	
88 T	1,2,3-Trichlorobenzene	0.480	0.433	9.8	
89 int	1,4-Dioxane d8	1.000	1.000	0.0	59

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, gf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_28.D
 Acq On : 2 Feb 2024 7:03 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:55:30 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	340366	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	513977	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	449851	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	227573	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	17295	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.360	192	23345	8.814	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	88.10%	
45) % Toluene-d8	4.982	98	651265	9.979	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.80%	
62) % Bromofluorobenzene	7.037	95	217222	9.844	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.40%	
64) % 1,2-dichlorobenzene-d4	8.052	152	182440	9.503	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	246799	9.405	ug/l	100
3) Chloromethane	1.190	50	341001	8.711	ug/l	98
4) Vinyl Chloride	1.232	62	279366	10.573	ug/l	98
5) Bromomethane	1.404	94	67826	9.084	ug/l	97
6) Chloroethane	1.472	64	138845	10.812	ug/l	98
7) Trichlorofluoromethane	1.551	101	298328	10.712	ug/l	99
9) 1,1-Dichloroethene	1.844	96	164225	10.942	ug/l	92
10) Trichlorotrifluoroethane	1.865	151	131687	10.829	ug/l	94
11) Carbon Disulfide	1.870	76	445112	10.300	ug/l	99
12) Acrolein	2.042	56	39185	42.772	ug/l	100
13) Methylene Chloride	2.205	84	133546	9.488	ug/l	90
14) Acetone	2.236	43	14174	9.168	ug/l	98
15) Trans-1,2-Dichloroethene	2.314	96	171338	10.611	ug/l	94
17) Methyl t-Butyl Ether (...)	2.382	73	184653	8.071	ug/l	98
19) 1,1-Dichloroethane	2.712	63	351869	10.309	ug/l	99
20) Acrylonitrile	2.738	53	17389	8.565	ug/l	97
23) Cis-1,2-Dichloroethene	3.062	96	162296	9.811	ug/l	95
24) 2,2-Dichloropropane	3.136	77	219930	8.420	ug/l	99
25) Bromochloromethane	3.193	128	46492	9.654	ug/l#	79
27) Chloroform	3.245	83	282507	10.752	ug/l	93
28) Carbon Tetrachloride	3.340	117	203483	11.424	ug/l	98
29) Tetrahydrofuran (THF)	3.355	42	28255	18.825	ug/l	96
30) 1,1,1-Trichloroethane	3.381	97	265384	10.574	ug/l	97
32) Methyl Ethyl Ketone	3.444	43	17388	7.896	ug/l	79
34) 1,1-Dichloropropene	3.465	75	267828	11.845	ug/l	97
35) Benzene	3.622	78	853233	13.711	ug/l	99
37) 1,2-Dichloroethane	3.758	62	150416	9.925	ug/l	96
39) Trichloroethene	4.019	130	201764	11.554	ug/l	96
40) Dibromomethane	4.302	93	55848	9.642	ug/l	93
41) 1,2-dichloropropane	4.365	63	196143	10.053	ug/l	99
42) Bromodichloromethane	4.412	83	164153	10.283	ug/l	97
43) cis-1,3-Dichloropropene	4.851	75	208109	9.587	ug/l	99
44) Toluene	5.018	92	512567	11.212	ug/l	100
46) 4-Methyl-2-Pentanone	5.290	43	46990	7.822	ug/l	95
47) Tetrachloroethene	5.301	164	183222	11.491	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	127906	9.114	ug/l	95
49) 1,1,2-Trichloroethane	5.426	97	75960	9.377	ug/l	98

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_28.D
 Acq On : 2 Feb 2024 7:03 pm
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA14L II 02/02 V
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:55:30 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

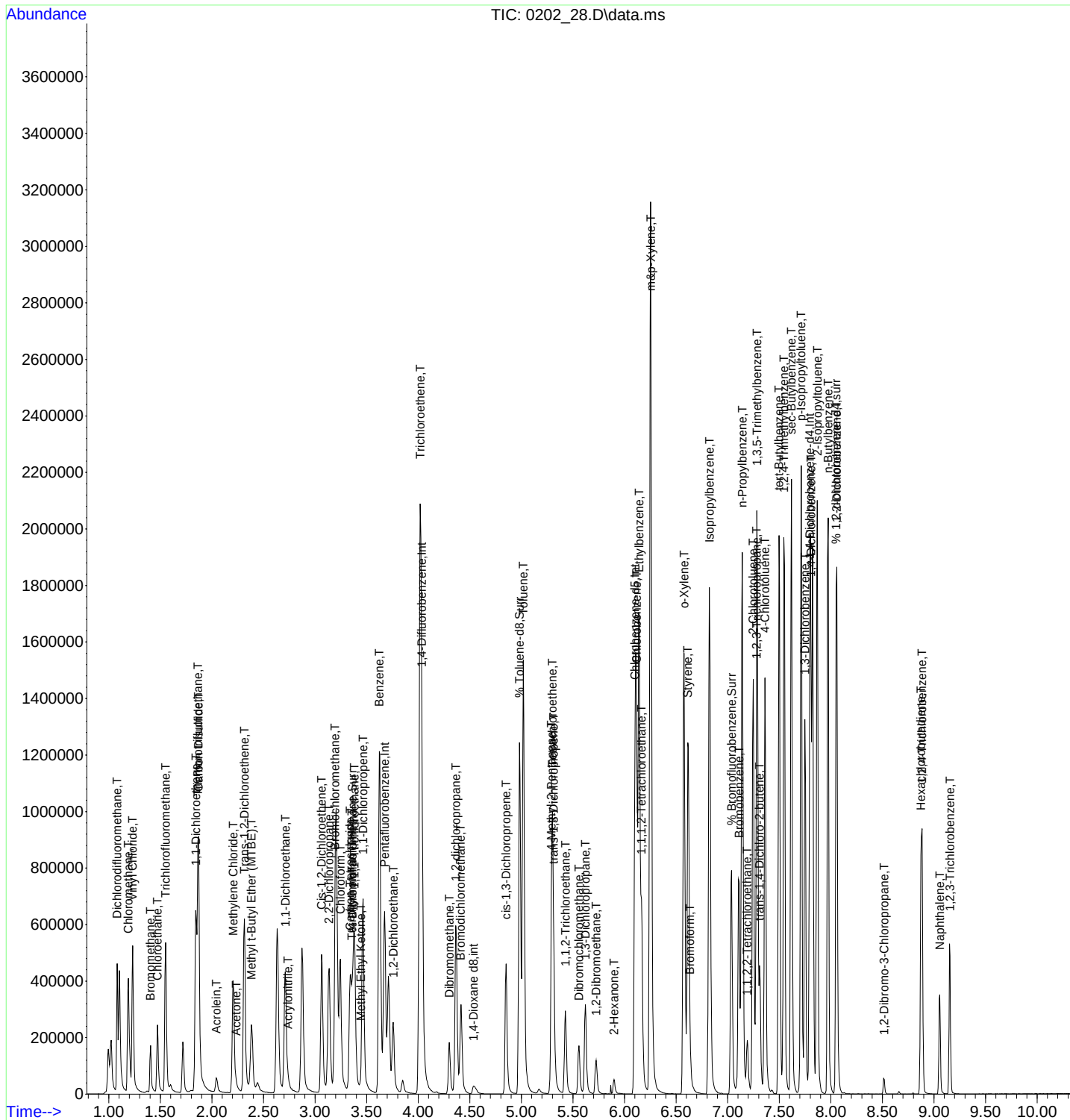
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	74490	10.742	ug/l	98
52) 1,3-Dichloropropane	5.620	76	141901	9.671	ug/l	99
53) 1,2-Dibromoethane	5.724	107	74002	9.980	ug/l	98
54) 2-Hexanone	5.897	43	29270	7.735	ug/l	96
55) Chlorobenzene	6.117	112	478863	11.199	ug/l	97
56) Ethylbenzene	6.143	106	315731	11.751	ug/l	95
57) 1,1,1,2-Tetrachloroethane	6.164	131	116473	11.818	ug/l	98
58) m&p-Xylene	6.253	106	744678	23.268	ug/l	98
59) o-Xylene	6.577	106	365407	11.539	ug/l	95
60) Styrene	6.614	104	503483	11.051	ug/l	96
61) Bromoform	6.635	173	29977	10.107	ug/l	99
65) Isopropylbenzene	6.823	120	259379	11.926	ug/l	96
66) Bromobenzene	7.111	156	173641	11.040	ug/l	91
67) n-Propylbenzene	7.142	120	263583	12.024	ug/l	91
68) 1,1,2,2-Tetrachloroethane	7.189	83	70348	9.498	ug/l	99
69) 2-Chlorotoluene	7.246	126	202944	11.642	ug/l	93
70) 1,3,5-Trimethylbenzene	7.283	105	802728	11.734	ug/l	98
71) 1,2,3-Trichloropropane	7.278	75	55665	9.592	ug/l	99
72) trans-1,4-Dichloro-2-b...	7.309	75	67550	33.478	ug/l	85
73) 4-Chlorotoluene	7.362	126	200115	11.395	ug/l	90
74) tert-Butylbenzene	7.498	119	680801	11.750	ug/l	96
75) 1,2,4-Trimethylbenzene	7.545	105	811466	11.917	ug/l	100
76) sec-Butylbenzene	7.618	105	1059362	11.626	ug/l	98
77) p-Isopropyltoluene	7.712	119	848937	11.582	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	365149	10.952	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	337818	10.826	ug/l	98
81) 2-Isopropyltoluene	7.869	119	771886	11.514	ug/l	98
82) n-Butylbenzene	7.973	91	749611	11.109	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	277109	10.453	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.517	155	6863	8.849	ug/l	95
85) Hexachlorobutadiene	8.873	225	89382	10.556	ug/l	99
86) 1,2,4-Trichlorobenzene	8.884	180	139765	9.842	ug/l	99
87) Naphthalene	9.056	128	173857	8.815	ug/l	98
88) 1,2,3-Trichlorobenzene	9.156	180	98632	9.025	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

```
Data Path   : H:\V2024\CHEM17\02FEB\020224\  
Data File  : 0202_28.D  
Acq On     : 2 Feb 2024    7:03 pm  
Operator   :  
Client ID  : CCAL 10  
Lab ID     : VOA 10 PPB STD, VOA14L II 02/02 V  
ALS Vial   : 1 Sample Multiplier: 1
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Quant Time: Feb 05 15:55:30 2024
Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP96683 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP96683 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0201_03.D

Level: (low/med/meth): Med Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/01/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	9.3		0.25	0.25	r
74-87-3	Chloromethane	8.5		0.25	0.25	r
75-01-4	Vinyl Chloride	10		0.25	0.25	r
74-83-9	Bromomethane	11		0.25	0.25	r
75-00-3	Chloroethane	10		0.25	0.25	r
75-69-4	Trichlorofluoromethane	9.7		0.25	0.25	r
75-35-4	1,1-Dichloroethene	9.7		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	9.7		0.25	0.25	r
75-15-0	Carbon Disulfide	9.8		0.25	0.25	r
107-02-8	Acrolein	49		2.5	2.5	r
75-09-2	Methylene Chloride	8.8		1.0	1.0	r
67-64-1	Acetone	8.2		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	9.7		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	7.7		0.25	0.25	r
75-34-3	1,1-Dichloroethane	9.5		0.25	0.25	r
107-13-1	Acrylonitrile	8.0		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	9.5		0.25	0.25	r
594-20-7	2,2-Dichloropropane	9.4		0.25	0.25	r
74-97-5	Bromochloromethane	9.0		0.25	0.25	r
67-66-3	Chloroform	9.0		0.25	0.25	r
56-23-5	Carbon Tetrachloride	9.9		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	18		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	9.4		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	7.5		2.5	2.5	r
563-58-6	1,1-Dichloropropene	11		0.25	0.25	r
71-43-2	Benzene	11		0.25	0.25	r
107-06-2	1,2-Dichloroethane	9.3		0.50	0.50	r
79-01-6	Trichloroethene	10		0.25	0.25	r
74-95-3	Dibromomethane	9.1		0.25	0.25	r
78-87-5	1,2-dichloropropane	9.5		0.25	0.25	r
75-27-4	Bromodichloromethane	9.4		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	9.3		0.25	0.25	r
108-88-3	Toluene	10		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	7.7		2.5	2.5	r
127-18-4	Tetrachloroethene	11		0.25	0.25	r
10061-02-6	trans-1,3-Dichloropropene	9.1		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP96683 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP96683 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0201_03.D

Level: (low/med/meth): Med Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/01/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	8.9		0.25	0.25	r
124-48-1	Dibromochloromethane	9.5		0.25	0.25	r
142-28-9	1,3-Dichloropropane	9.1		0.25	0.25	r
106-93-4	1,2-Dibromoethane	9.4		0.25	0.25	r
591-78-6	2-Hexanone	7.3		2.5	2.5	r
108-90-7	Chlorobenzene	10		0.25	0.25	r
100-41-4	Ethylbenzene	10		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	11		0.25	0.25	r
179601-23-1	m&p-Xylene	21		0.25	0.25	r
95-47-6	o-Xylene	10		0.25	0.25	r
100-42-5	Styrene	10		0.25	0.25	r
75-25-2	Bromoform	9.0		0.25	0.25	r
98-82-8	Isopropylbenzene	11		0.25	0.25	r
108-86-1	Bromobenzene	10		0.25	0.25	r
103-65-1	n-Propylbenzene	11		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	9.0		0.25	0.25	r
95-49-8	2-Chlorotoluene	10		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	11		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	9.0		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	31		2.5	2.5	r
106-43-4	4-Chlorotoluene	10		0.25	0.25	r
98-06-6	tert-Butylbenzene	11		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	10		0.25	0.25	r
135-98-8	sec-Butylbenzene	11		0.25	0.25	r
99-87-6	p-Isopropyltoluene	11		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	10		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	9.9		0.25	0.25	r
527-84-4	2-Isopropyltoluene	11		0.25	0.25	r
104-51-8	n-Butylbenzene	11		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	9.6		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	8.4		0.50	0.50	r
87-68-3	Hexachlorobutadiene	10		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	9.4		0.25	0.25	r
91-20-3	Naphthalene	8.9		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	9.1		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_03.D
 Acq On : 1 Feb 2024 7:46 am
 Operator :
 Client ID : CP96683 LCS
 Lab ID : CP96683 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 07:57:24 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	375091	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	568007	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	510244	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	260592	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	17488	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	26207	8.979	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	89.80%		
45) % Toluene-d8	4.982	98	725994	10.065	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.70%		
62) % Bromofluorobenzene	7.037	95	247080	9.871	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.70%		
64) % 1,2-dichlorobenzene-d4	8.052	152	211530	9.622	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.20%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	267960	9.266	ug/l	100
3) Chloromethane	1.185	50	368180	8.534	ug/l	100
4) Vinyl Chloride	1.227	62	292769	10.054	ug/l	95
5) Bromomethane	1.404	94	91076	11.069	ug/l	97
6) Chloroethane	1.472	64	145834	10.305	ug/l	100
7) Trichlorofluoromethane	1.551	101	299098	9.745	ug/l	100
9) 1,1-Dichloroethene	1.844	96	160258	9.689	ug/l	93
10) Trichlorotrifluoroethane	1.865	151	130045	9.704	ug/l	94
11) Carbon Disulfide	1.870	76	464907	9.762	ug/l	99
12) Acrolein	2.043	56	49040	48.574	ug/l	98
13) Methylene Chloride	2.205	84	135990	8.767	ug/l	89
14) Acetone	2.231	43	13896	8.156	ug/l	96
15) Trans-1,2-Dichloroethene	2.314	96	172177	9.676	ug/l	94
17) Methyl t-Butyl Ether (...)	2.382	73	194410	7.711	ug/l	96
19) 1,1-Dichloroethane	2.712	63	356177	9.469	ug/l	98
20) Acrylonitrile	2.733	53	17994	8.043	ug/l	99
23) Cis-1,2-Dichloroethene	3.062	96	172556	9.466	ug/l	93
24) 2,2-Dichloropropane	3.136	77	271341	9.427	ug/l	99
25) Bromochloromethane	3.193	128	47704	8.989	ug/l#	82
27) Chloroform	3.245	83	261280	9.024	ug/l	99
28) Carbon Tetrachloride	3.340	117	193666	9.866	ug/l	98
29) Tetrahydrofuran (THF)	3.355	42	29295	17.711	ug/l	99
30) 1,1,1-Trichloroethane	3.381	97	259283	9.375	ug/l	96
32) Methyl Ethyl Ketone	3.444	43	18135	7.472	ug/l	81
34) 1,1-Dichloropropene	3.465	75	268640	10.750	ug/l	97
35) Benzene	3.627	78	770777	11.208	ug/l	100
37) 1,2-Dichloroethane	3.758	62	156169	9.325	ug/l	97
39) Trichloroethene	4.020	130	201179	10.425	ug/l	96
40) Dibromomethane	4.302	93	58540	9.145	ug/l	93
41) 1,2-dichloropropane	4.365	63	205412	9.527	ug/l	100
42) Bromodichloromethane	4.417	83	165720	9.393	ug/l	96
43) cis-1,3-Dichloropropene	4.851	75	223690	9.325	ug/l	100
44) Toluene	5.019	92	517648	10.246	ug/l	100
46) 4-Methyl-2-Pentanone	5.285	43	51016	7.685	ug/l	92
47) Tetrachloroethene	5.296	164	185540	10.529	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	140552	9.062	ug/l	95
49) 1,1,2-Trichloroethane	5.426	97	79976	8.934	ug/l	96

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_03.D
 Acq On : 1 Feb 2024 7:46 am
 Operator :
 Client ID : CP96683 LCS
 Lab ID : CP96683 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 07:57:24 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

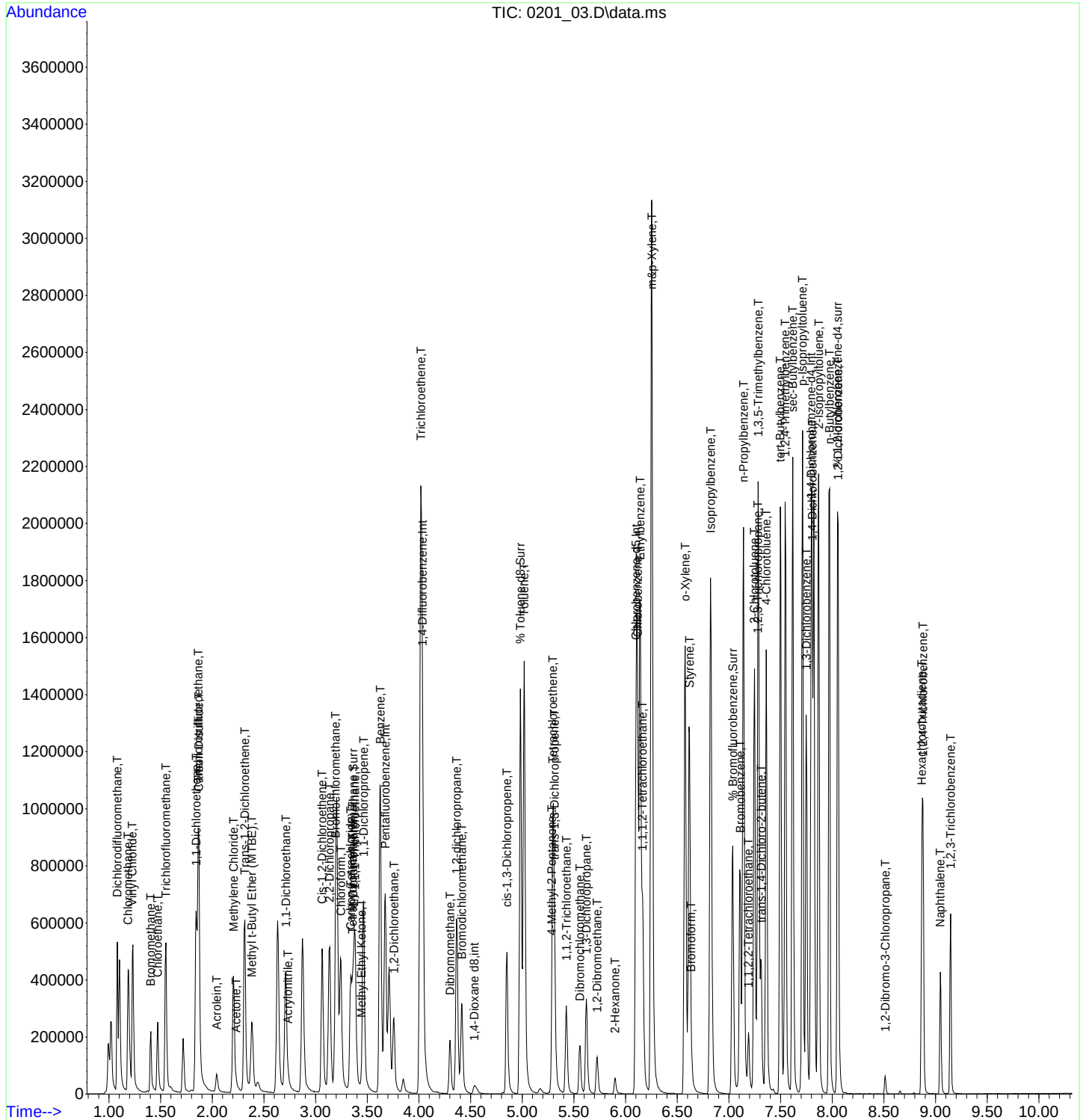
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	74390	9.458	ug/l	99
52) 1,3-Dichloropropane	5.620	76	152014	9.134	ug/l	99
53) 1,2-Dibromoethane	5.725	107	79205	9.417	ug/l	98
54) 2-Hexanone	5.897	43	31410	7.318	ug/l	91
55) Chlorobenzene	6.117	112	495332	10.213	ug/l	96
56) Ethylbenzene	6.143	106	317181	10.408	ug/l	97
57) 1,1,1,2-Tetrachloroethane	6.164	131	117326	10.496	ug/l	99
58) m&p-Xylene	6.253	106	753784	20.764	ug/l	97
59) o-Xylene	6.577	106	366637	10.207	ug/l	97
60) Styrene	6.619	104	526817	10.194	ug/l	96
61) Bromoform	6.635	173	30395	9.035	ug/l	98
65) Isopropylbenzene	6.823	120	268486	10.781	ug/l	97
66) Bromobenzene	7.111	156	180619	10.028	ug/l	91
67) n-Propylbenzene	7.142	120	271112	10.800	ug/l	93
68) 1,1,2,2-Tetrachloroethane	7.189	83	76356	9.003	ug/l	99
69) 2-Chlorotoluene	7.247	126	206097	10.325	ug/l	95
70) 1,3,5-Trimethylbenzene	7.283	105	834271	10.650	ug/l	97
71) 1,2,3-Trichloropropane	7.278	75	60067	9.039	ug/l	96
72) trans-1,4-Dichloro-2-b...	7.315	75	71788	31.209	ug/l	92
73) 4-Chlorotoluene	7.362	126	205464	10.217	ug/l	91
74) tert-Butylbenzene	7.498	119	707336	10.661	ug/l	97
75) 1,2,4-Trimethylbenzene	7.545	105	816903	10.477	ug/l	99
76) sec-Butylbenzene	7.618	105	1109355	10.632	ug/l	98
77) p-Isopropyltoluene	7.712	119	890339	10.608	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	380138	9.957	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	353350	9.889	ug/l	98
81) 2-Isopropyltoluene	7.869	119	821806	10.705	ug/l	98
82) n-Butylbenzene	7.974	91	814407	10.540	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	291145	9.591	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	7504	8.449	ug/l	90
85) Hexachlorobutadiene	8.868	225	98730	10.183	ug/l	99
86) 1,2,4-Trichlorobenzene	8.878	180	152554	9.381	ug/l	99
87) Naphthalene	9.046	128	200603	8.883	ug/l	99
88) 1,2,3-Trichlorobenzene	9.145	180	113423	9.063	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

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Data Path   : H:\V2024\CHEM17\02FEB\020124\  
Data File  : 0201_03.D  
Acq On     : 1 Feb 2024    7:46 am  
Operator   :  
Client ID  : CP96683 LCS  
Lab ID     : CP96683 LCS  
ALS Vial   : 1    Sample Multiplier: 1
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Quant Time: Feb 01 07:57:24 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP96683 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP96683 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0201_04.D

Level: (low/med/meth): Med Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/01/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	9.1		0.25	0.25	r
74-87-3	Chloromethane	9.3		0.25	0.25	r
75-01-4	Vinyl Chloride	9.9		0.25	0.25	r
74-83-9	Bromomethane	11		0.25	0.25	r
75-00-3	Chloroethane	10		0.25	0.25	r
75-69-4	Trichlorofluoromethane	9.5		0.25	0.25	r
75-35-4	1,1-Dichloroethene	9.5		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	9.5		0.25	0.25	r
75-15-0	Carbon Disulfide	9.7		0.25	0.25	r
107-02-8	Acrolein	53		2.5	2.5	r
75-09-2	Methylene Chloride	9.2		1.0	1.0	r
67-64-1	Acetone	8.6		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	9.6		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	8.6		0.25	0.25	r
75-34-3	1,1-Dichloroethane	9.5		0.25	0.25	r
107-13-1	Acrylonitrile	8.8		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	9.5		0.25	0.25	r
594-20-7	2,2-Dichloropropane	9.4		0.25	0.25	r
74-97-5	Bromochloromethane	9.7		0.25	0.25	r
67-66-3	Chloroform	9.3		0.25	0.25	r
56-23-5	Carbon Tetrachloride	9.6		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	20		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	9.4		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	8.2		2.5	2.5	r
563-58-6	1,1-Dichloropropene	10		0.25	0.25	r
71-43-2	Benzene	10		0.25	0.25	r
107-06-2	1,2-Dichloroethane	9.5		0.50	0.50	r
79-01-6	Trichloroethene	10		0.25	0.25	r
74-95-3	Dibromomethane	9.5		0.25	0.25	r
78-87-5	1,2-dichloropropane	9.5		0.25	0.25	r
75-27-4	Bromodichloromethane	9.6		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	9.6		0.25	0.25	r
108-88-3	Toluene	10		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	8.3		2.5	2.5	r
127-18-4	Tetrachloroethene	10		0.25	0.25	r
10061-02-6	trans-1,3-Dichloropropene	9.4		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP96683 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP96683 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0201_04.D

Level: (low/med/meth): Med Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/01/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	9.2		0.25	0.25	r
124-48-1	Dibromochloromethane	9.8		0.25	0.25	r
142-28-9	1,3-Dichloropropane	9.3		0.25	0.25	r
106-93-4	1,2-Dibromoethane	9.4		0.25	0.25	r
591-78-6	2-Hexanone	8.2		2.5	2.5	r
108-90-7	Chlorobenzene	9.9		0.25	0.25	r
100-41-4	Ethylbenzene	9.9		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	10		0.25	0.25	r
179601-23-1	m&p-Xylene	20		0.25	0.25	r
95-47-6	o-Xylene	9.9		0.25	0.25	r
100-42-5	Styrene	9.9		0.25	0.25	r
75-25-2	Bromoform	9.5		0.25	0.25	r
98-82-8	Isopropylbenzene	10		0.25	0.25	r
108-86-1	Bromobenzene	10		0.25	0.25	r
103-65-1	n-Propylbenzene	10		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	9.2		0.25	0.25	r
95-49-8	2-Chlorotoluene	10		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	10		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	9.3		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	34		2.5	2.5	r
106-43-4	4-Chlorotoluene	9.9		0.25	0.25	r
98-06-6	tert-Butylbenzene	10		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	10		0.25	0.25	r
135-98-8	sec-Butylbenzene	10		0.25	0.25	r
99-87-6	p-Isopropyltoluene	10		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	9.8		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	9.7		0.25	0.25	r
527-84-4	2-Isopropyltoluene	10		0.25	0.25	r
104-51-8	n-Butylbenzene	10		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	9.7		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	8.9		0.50	0.50	r
87-68-3	Hexachlorobutadiene	10		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	9.6		0.25	0.25	r
91-20-3	Naphthalene	9.6		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	9.5		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020124\
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 Operator :
 Client ID : CP96683 LCSD
 Lab ID : CP96683 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 08:21:56 2024
 Quant Title :
 QLast Update : Tue Jan 23 10:34:02 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	361905	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	570002	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	522147	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	270299	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	22755	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	26225	9.312	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.10%		
45) % Toluene-d8	4.982	98	723871	10.001	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.00%		
62) % Bromofluorobenzene	7.032	95	259128	10.117	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.20%		
64) % 1,2-dichlorobenzene-d4	8.052	152	224409	9.841	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.40%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	255167	9.145	ug/l	100
3) Chloromethane	1.190	50	387122	9.300	ug/l	96
4) Vinyl Chloride	1.227	62	279518	9.949	ug/l	100
5) Bromomethane	1.404	94	86793	10.933	ug/l	99
6) Chloroethane	1.472	64	136426	9.991	ug/l	100
7) Trichlorofluoromethane	1.551	101	280329	9.467	ug/l	100
9) 1,1-Dichloroethene	1.844	96	152299	9.543	ug/l	95
10) Trichlorotrifluoroethane	1.865	151	122928	9.507	ug/l	93
11) Carbon Disulfide	1.870	76	445321	9.692	ug/l	99
12) Acrolein	2.043	56	51600	52.972	ug/l	99
13) Methylene Chloride	2.205	84	137130	9.162	ug/l	88
14) Acetone	2.231	43	14180	8.626	ug/l	98
15) Trans-1,2-Dichloroethene	2.315	96	164981	9.609	ug/l	95
17) Methyl t-Butyl Ether (...)	2.382	73	208381	8.566	ug/l	97
19) 1,1-Dichloroethane	2.712	63	345590	9.522	ug/l	99
20) Acrylonitrile	2.738	53	18982	8.794	ug/l	98
23) Cis-1,2-Dichloroethene	3.062	96	167102	9.501	ug/l	94
24) 2,2-Dichloropropane	3.136	77	261265	9.407	ug/l	99
25) Bromochloromethane	3.193	128	49668	9.700	ug/l#	79
27) Chloroform	3.245	83	260262	9.316	ug/l	98
28) Carbon Tetrachloride	3.340	117	181896	9.604	ug/l	98
29) Tetrahydrofuran (THF)	3.355	42	32141	20.139	ug/l	95
30) 1,1,1-Trichloroethane	3.381	97	251102	9.410	ug/l	96
32) Methyl Ethyl Ketone	3.444	43	19225	8.210	ug/l	87
34) 1,1-Dichloropropene	3.460	75	259118	10.333	ug/l	97
35) Benzene	3.622	78	711357	10.307	ug/l	99
37) 1,2-Dichloroethane	3.758	62	160415	9.545	ug/l	98
39) Trichloroethene	4.020	130	199001	10.276	ug/l	95
40) Dibromomethane	4.302	93	60899	9.480	ug/l	92
41) 1,2-dichloropropane	4.365	63	205812	9.512	ug/l	99
42) Bromodichloromethane	4.417	83	170259	9.617	ug/l	97
43) cis-1,3-Dichloropropene	4.851	75	230762	9.586	ug/l	98
44) Toluene	5.019	92	508481	10.029	ug/l	100
46) 4-Methyl-2-Pentanone	5.285	43	55207	8.287	ug/l	92
47) Tetrachloroethene	5.296	164	179341	10.142	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	146849	9.435	ug/l	96
49) 1,1,2-Trichloroethane	5.426	97	82935	9.232	ug/l	97
51) Dibromochloromethane	5.557	129	79152	9.834	ug/l	99

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_04.D
 Acq On : 1 Feb 2024 8:11 am
 Operator :
 Client ID : CP96683 LCSD
 Lab ID : CP96683 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 08:21:56 2024
 Quant Title :
 QLast Update : Tue Jan 23 10:34:02 2024
 Response via : Initial Calibration

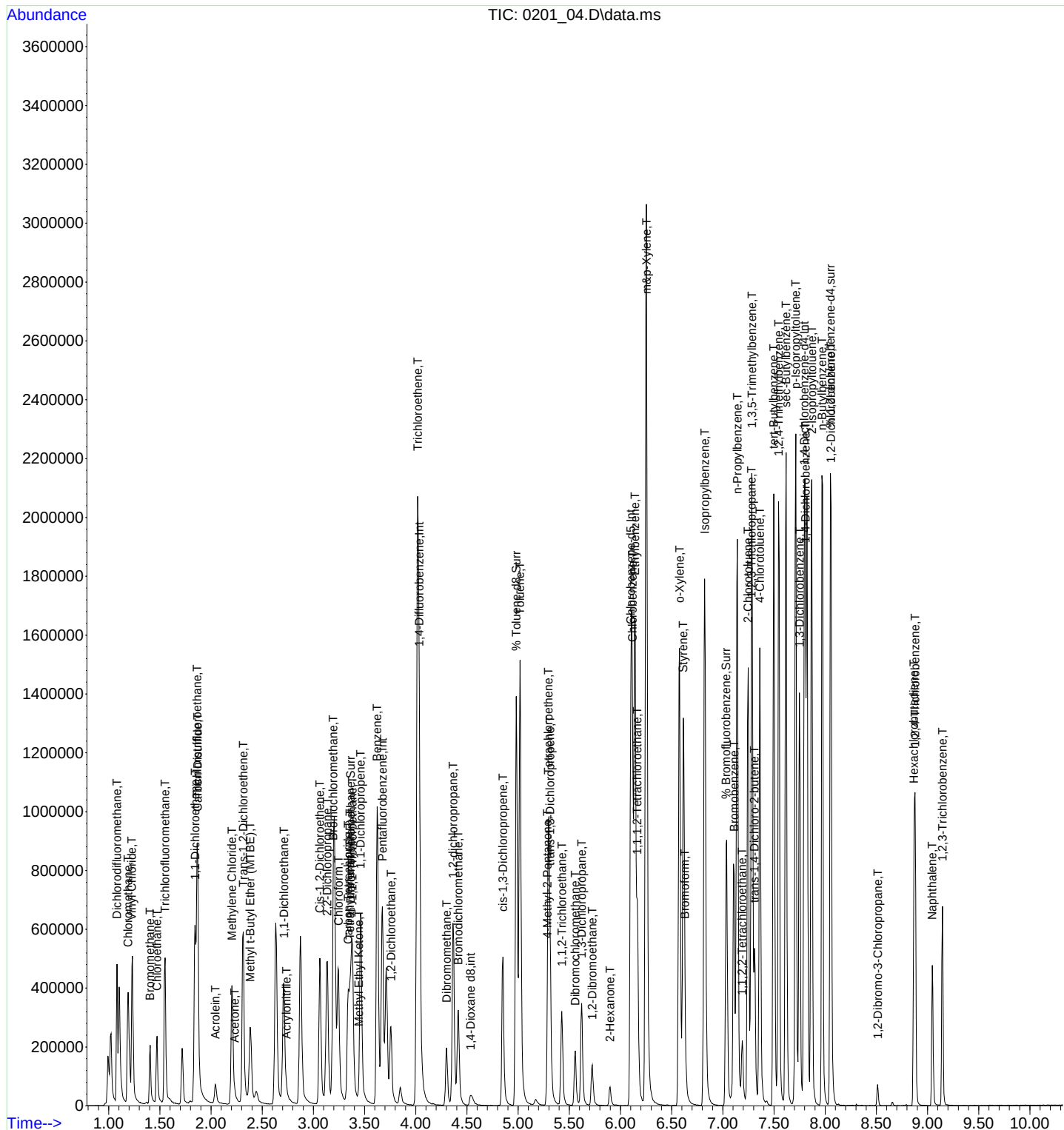
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) 1,3-Dichloropropane	5.620	76	159135	9.343	ug/l	98
53) 1,2-Dibromoethane	5.725	107	81213	9.436	ug/l	99
54) 2-Hexanone	5.897	43	35970	8.189	ug/l	94
55) Chlorobenzene	6.117	112	492832	9.930	ug/l	97
56) Ethylbenzene	6.143	106	309407	9.922	ug/l	97
57) 1,1,1,2-Tetrachloroethane	6.164	131	117048	10.232	ug/l	99
58) m&p-Xylene	6.253	106	742056	19.975	ug/l	97
59) o-Xylene	6.577	106	365470	9.943	ug/l	97
60) Styrene	6.614	104	525210	9.931	ug/l	97
61) Bromoform	6.629	173	32676	9.491	ug/l	98
65) Isopropylbenzene	6.823	120	266148	10.303	ug/l	96
66) Bromobenzene	7.111	156	186725	9.995	ug/l	91
67) n-Propylbenzene	7.142	120	266465	10.234	ug/l	94
68) 1,1,2,2-Tetrachloroethane	7.189	83	80925	9.199	ug/l	98
69) 2-Chlorotoluene	7.247	126	208305	10.061	ug/l	94
70) 1,3,5-Trimethylbenzene	7.283	105	831339	10.231	ug/l	98
71) 1,2,3-Trichloropropane	7.278	75	64240	9.320	ug/l	91
72) trans-1,4-Dichloro-2-b...	7.309	75	81748	34.072	ug/l	86
73) 4-Chlorotoluene	7.362	126	206260	9.888	ug/l	92
74) tert-Butylbenzene	7.498	119	707359	10.278	ug/l	96
75) 1,2,4-Trimethylbenzene	7.545	105	819672	10.135	ug/l	99
76) sec-Butylbenzene	7.618	105	1106149	10.220	ug/l	98
77) p-Isopropyltoluene	7.712	119	894993	10.280	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	389113	9.826	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	359779	9.707	ug/l	98
81) 2-Isopropyltoluene	7.869	119	819496	10.292	ug/l	98
82) n-Butylbenzene	7.968	91	807940	10.081	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	306763	9.742	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	8216	8.919	ug/l	89
85) Hexachlorobutadiene	8.868	225	100178	9.961	ug/l	99
86) 1,2,4-Trichlorobenzene	8.878	180	162745	9.649	ug/l	99
87) Naphthalene	9.046	128	223917	9.559	ug/l	99
88) 1,2,3-Trichlorobenzene	9.145	180	122862	9.465	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020124\
Data File : 0201_04.D
Acq On : 1 Feb 2024 8:11 am
Operator :
Client ID : CP96683 LCSD
Lab ID : CP96683 LCSD
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 08:21:56 2024
Quant Title :
Last Update : Tue Jan 23 10:34:02 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP96683 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP96683 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0201_06.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/01/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	1.0	U	0.25	1.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	1.0	U	0.25	1.0	r
75-00-3	Chloroethane	1.0	U	0.25	1.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	1.0	U	1.0	1.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	1.0	U	0.25	1.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	1.0	U	0.25	1.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	1.0	U	0.25	1.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	2.5	U	2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	1.0	U	0.25	1.0	r
78-93-3	Methyl Ethyl Ketone	5.0	U	2.5	5.0	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	1.0	U	0.25	1.0	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	0.50	U	0.25	0.50	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	5.0	U	2.5	5.0	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP96683 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP96683 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0201_06.D

Level: (low/med/meth): Low Date Received: 01/30/24

% Moisture: n.a. Date Analyzed: 02/01/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	0.50	U	0.25	0.50	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	5.0	U	2.5	5.0	r
108-90-7	Chlorobenzene	1.0	U	0.25	1.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	1.0	U	0.25	1.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.10	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.25	0.50	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U	2.5	5.0	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.40	U	0.25	0.40	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_06.D
 Acq On : 1 Feb 2024 9:04 am
 Operator :
 Client ID : CP96683 BLANK
 Lab ID : CP96683 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:52:35 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

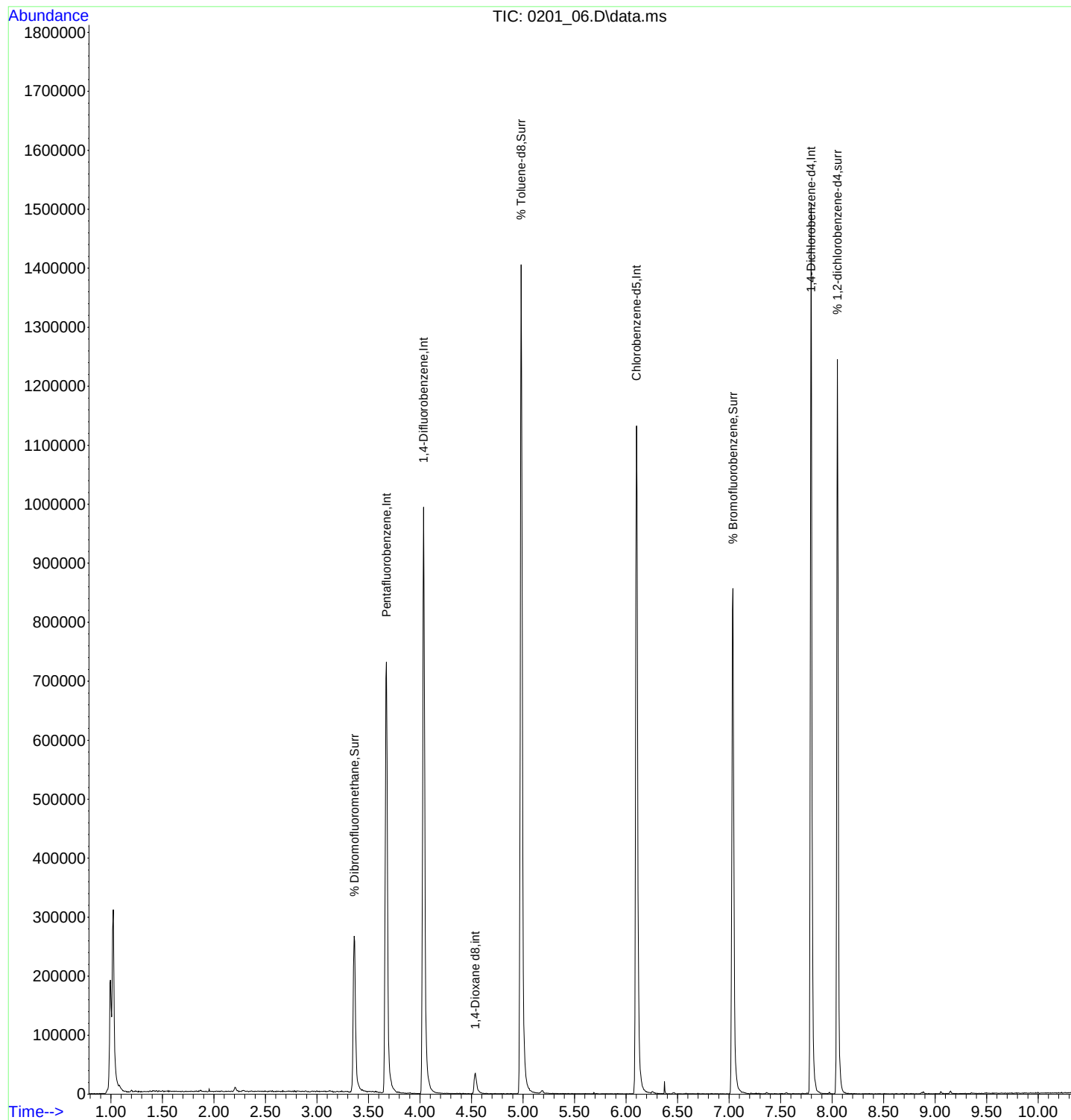
Internal Standards						
1) Pentafluorobenzene	3.674	168	409472	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	619844	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	522655	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	270991	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	22753	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	27152	8.522	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	85.20%		
45) % Toluene-d8	4.982	98	737498	9.370	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.70%		
62) % Bromofluorobenzene	7.037	95	250619	9.775	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.80%		
64) % 1,2-dichlorobenzene-d4	8.052	152	213789	9.351	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.50%		
Target Compounds						Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020124\
 Data File : 0201_06.D
 Acq On : 1 Feb 2024 9:04 am
 Operator :
 Client ID : CP96683 BLANK
 Lab ID : CP96683 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 14:52:35 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP98023 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP98023 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_03.D

Level: (low/med/meth): Med Date Received: 01/31/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	8.9		0.25	0.25	r
74-87-3	Chloromethane	9.1		0.25	0.25	r
75-01-4	Vinyl Chloride	10		0.25	0.25	r
74-83-9	Bromomethane	11		0.25	0.25	r
75-00-3	Chloroethane	10		0.25	0.25	r
75-69-4	Trichlorofluoromethane	10		0.25	0.25	r
75-35-4	1,1-Dichloroethene	10		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	10		0.25	0.25	r
75-15-0	Carbon Disulfide	9.9		0.25	0.25	r
107-02-8	Acrolein	52		2.5	2.5	r
75-09-2	Methylene Chloride	9.1		1.0	1.0	r
67-64-1	Acetone	7.6		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	10		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	8.1		0.25	0.25	r
75-34-3	1,1-Dichloroethane	10		0.25	0.25	r
107-13-1	Acrylonitrile	8.5		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	9.5		0.25	0.25	r
594-20-7	2,2-Dichloropropane	9.6		0.25	0.25	r
74-97-5	Bromochloromethane	9.4		0.25	0.25	r
67-66-3	Chloroform	9.5		0.25	0.25	r
56-23-5	Carbon Tetrachloride	11		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	19		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	10		0.25	0.25	
78-93-3	Methyl Ethyl Ketone	7.8		2.5	2.5	r
563-58-6	1,1-Dichloropropene	11		0.25	0.25	r
71-43-2	Benzene	13		0.25	0.25	r
107-06-2	1,2-Dichloroethane	9.8		0.50	0.50	r
79-01-6	Trichloroethene	11		0.25	0.25	r
74-95-3	Dibromomethane	9.9		0.25	0.25	r
78-87-5	1,2-dichloropropane	10		0.25	0.25	r
75-27-4	Bromodichloromethane	10		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	10		0.25	0.25	r
108-88-3	Toluene	11		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	8.1		2.5	2.5	r
127-18-4	Tetrachloroethene	11		0.25	0.25	r
10061-02-6	trans-1,3-Dichloropropene	9.7		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP98023 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP98023 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_03.D

Level: (low/med/meth): Med Date Received: 01/31/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	9.6		0.25	0.25	r
124-48-1	Dibromochloromethane	11		0.25	0.25	r
142-28-9	1,3-Dichloropropane	9.8		0.25	0.25	r
106-93-4	1,2-Dibromoethane	10		0.25	0.25	r
591-78-6	2-Hexanone	8.1		2.5	2.5	r
108-90-7	Chlorobenzene	11		0.25	0.25	r
100-41-4	Ethylbenzene	11		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	12		0.25	0.25	r
179601-23-1	m&p-Xylene	22		0.25	0.25	r
95-47-6	o-Xylene	11		0.25	0.25	r
100-42-5	Styrene	11		0.25	0.25	r
75-25-2	Bromoform	11		0.25	0.25	r
98-82-8	Isopropylbenzene	11		0.25	0.25	r
108-86-1	Bromobenzene	11		0.25	0.25	r
103-65-1	n-Propylbenzene	11		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	9.7		0.25	0.25	r
95-49-8	2-Chlorotoluene	11		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	11		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	9.6		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	37		2.5	2.5	r
106-43-4	4-Chlorotoluene	11		0.25	0.25	r
98-06-6	tert-Butylbenzene	11		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	11		0.25	0.25	r
135-98-8	sec-Butylbenzene	11		0.25	0.25	r
99-87-6	p-Isopropyltoluene	11		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	11		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	11		0.25	0.25	r
527-84-4	2-Isopropyltoluene	11		0.25	0.25	r
104-51-8	n-Butylbenzene	11		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	10		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	9.6		0.50	0.50	r
87-68-3	Hexachlorobutadiene	11		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	10		0.25	0.25	r
91-20-3	Naphthalene	9.5		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	9.5		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_03.D
 Acq On : 2 Feb 2024 8:22 am
 Operator :
 Client ID : CP98023 LCS
 Lab ID : CP98023 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:33:36 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	358141	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	540764	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	479788	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	248021	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	20401	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	24176	8.675	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.80%		
45) % Toluene-d8	4.982	98	690971	10.062	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.60%		
62) % Bromofluorobenzene	7.038	95	234006	9.943	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.40%		
64) % 1,2-dichlorobenzene-d4	8.052	152	204366	9.767	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.70%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	246924	8.943	ug/l	100
3) Chloromethane	1.190	50	372885	9.053	ug/l	97
4) Vinyl Chloride	1.232	62	284954	10.249	ug/l	99
5) Bromomethane	1.405	94	86816	11.051	ug/l	98
6) Chloroethane	1.473	64	141412	10.465	ug/l	98
7) Trichlorofluoromethane	1.551	101	305207	10.415	ug/l	100
9) 1,1-Dichloroethene	1.844	96	163770	10.370	ug/l	92
10) Trichlorotrifluoroethane	1.865	151	130563	10.204	ug/l	96
11) Carbon Disulfide	1.870	76	448207	9.857	ug/l	99
12) Acrolein	2.043	56	50062	51.933	ug/l	95
13) Methylene Chloride	2.205	84	135274	9.133	ug/l	89
14) Acetone	2.236	43	12296	7.558	ug/l	97
15) Trans-1,2-Dichloroethene	2.315	96	172117	10.130	ug/l	94
17) Methyl t-Butyl Ether (...)	2.383	73	194075	8.062	ug/l	97
19) 1,1-Dichloroethane	2.712	63	359176	10.001	ug/l	98
20) Acrylonitrile	2.738	53	18075	8.461	ug/l	94
23) Cis-1,2-Dichloroethene	3.063	96	166055	9.540	ug/l	94
24) 2,2-Dichloropropane	3.136	77	263377	9.583	ug/l	100
25) Bromochloromethane	3.193	128	47674	9.408	ug/l#	80
27) Chloroform	3.246	83	263827	9.543	ug/l	100
28) Carbon Tetrachloride	3.340	117	208010	11.098	ug/l	97
29) Tetrahydrofuran (THF)	3.361	42	30685	19.429	ug/l	95
30) 1,1,1-Trichloroethane	3.382	97	268363	10.162	ug/l	97
32) Methyl Ethyl Ketone	3.444	43	18113	7.817	ug/l	79
34) 1,1-Dichloropropene	3.465	75	273161	11.482	ug/l	97
35) Benzene	3.627	78	847808	12.949	ug/l	100
37) 1,2-Dichloroethane	3.758	62	156781	9.833	ug/l	96
39) Trichloroethene	4.020	130	207153	11.275	ug/l	95
40) Dibromomethane	4.302	93	60141	9.868	ug/l	93
41) 1,2-dichloropropane	4.365	63	205540	10.013	ug/l	99
42) Bromodichloromethane	4.417	83	173405	10.324	ug/l	100
43) cis-1,3-Dichloropropene	4.851	75	228767	10.017	ug/l	99
44) Toluene	5.019	92	522662	10.867	ug/l	100
46) 4-Methyl-2-Pentanone	5.285	43	50996	8.069	ug/l	93
47) Tetrachloroethene	5.296	164	188036	11.208	ug/l	96
48) trans-1,3-Dichloropropene	5.312	75	143020	9.686	ug/l	97
49) 1,1,2-Trichloroethane	5.427	97	81608	9.576	ug/l	95

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_03.D
 Acq On : 2 Feb 2024 8:22 am
 Operator :
 Client ID : CP98023 LCS
 Lab ID : CP98023 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:33:36 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

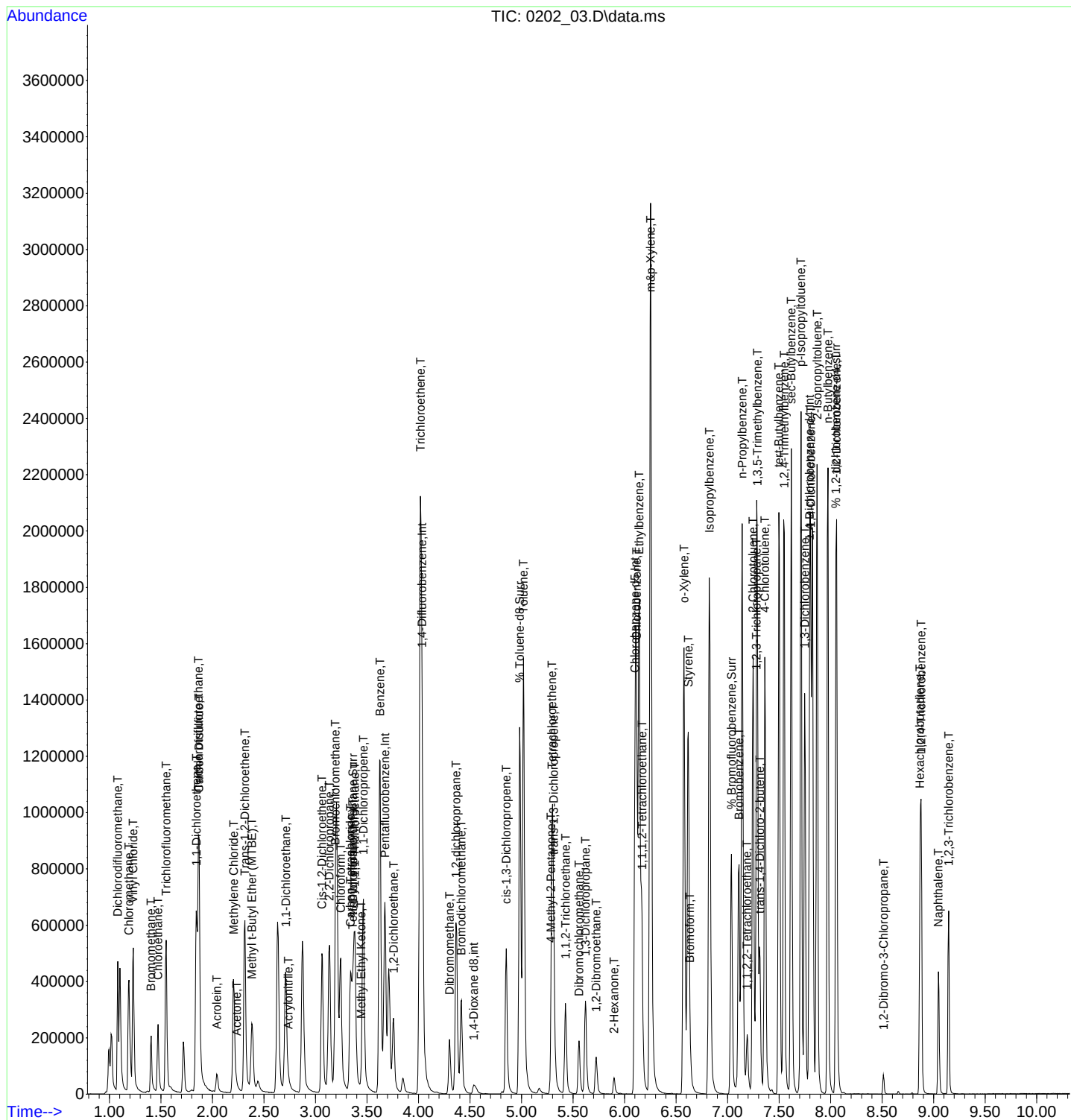
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	81956	11.081	ug/l	97
52) 1,3-Dichloropropane	5.620	76	153773	9.826	ug/l	99
53) 1,2-Dibromoethane	5.725	107	79407	10.041	ug/l	99
54) 2-Hexanone	5.897	43	32701	8.102	ug/l	92
55) Chlorobenzene	6.117	112	501808	11.003	ug/l	98
56) Ethylbenzene	6.143	106	319204	11.139	ug/l	98
57) 1,1,1,2-Tetrachloroethane	6.169	131	124140	11.810	ug/l	99
58) m&p-Xylene	6.253	106	753089	22.062	ug/l	98
59) o-Xylene	6.577	106	369358	10.936	ug/l	97
60) Styrene	6.619	104	523494	10.773	ug/l	97
61) Bromoform	6.635	173	34528	10.915	ug/l	97
65) Isopropylbenzene	6.823	120	270935	11.430	ug/l	97
66) Bromobenzene	7.111	156	185063	10.796	ug/l	91
67) n-Propylbenzene	7.142	120	273973	11.468	ug/l	92
68) 1,1,2,2-Tetrachloroethane	7.189	83	78160	9.683	ug/l	98
69) 2-Chlorotoluene	7.247	126	212533	11.187	ug/l	92
70) 1,3,5-Trimethylbenzene	7.289	105	841925	11.292	ug/l	98
71) 1,2,3-Trichloropropane	7.278	75	60833	9.618	ug/l	93
72) trans-1,4-Dichloro-2-b...	7.315	75	82848	37.390	ug/l	84
73) 4-Chlorotoluene	7.362	126	211541	11.052	ug/l	89
74) tert-Butylbenzene	7.498	119	715715	11.334	ug/l	96
75) 1,2,4-Trimethylbenzene	7.550	105	829658	11.180	ug/l	99
76) sec-Butylbenzene	7.618	105	1106635	11.143	ug/l	98
77) p-Isopropyltoluene	7.712	119	901211	11.281	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	389510	10.719	ug/l	98
79) 1,4-Dichlorobenzene	7.806	146	360469	10.599	ug/l	98
81) 2-Isopropyltoluene	7.869	119	836205	11.445	ug/l	98
82) n-Butylbenzene	7.974	91	805561	10.954	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	303058	10.489	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	8106	9.590	ug/l	92
85) Hexachlorobutadiene	8.868	225	98400	10.663	ug/l	99
86) 1,2,4-Trichlorobenzene	8.879	180	157217	10.158	ug/l	99
87) Naphthalene	9.046	128	204933	9.534	ug/l	98
88) 1,2,3-Trichlorobenzene	9.145	180	113709	9.546	ug/l	99

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

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Data Path : H:\V2024\CHEM17\02FEB\020224\  
Data File : 0202_03.D  
Acq On : 2 Feb 2024 8:22 am  
Operator :  
Client ID : CP98023 LCS  
Lab ID : CP98023 LCS  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Feb 02 08:33:36 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP98023 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP98023 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_04.D

Level: (low/med/meth): Med Date Received: 01/31/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	8.9		0.25	0.25	r
74-87-3	Chloromethane	9.2		0.25	0.25	r
75-01-4	Vinyl Chloride	10		0.25	0.25	r
74-83-9	Bromomethane	11		0.25	0.25	r
75-00-3	Chloroethane	10		0.25	0.25	r
75-69-4	Trichlorofluoromethane	10		0.25	0.25	r
75-35-4	1,1-Dichloroethene	10		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	10		0.25	0.25	r
75-15-0	Carbon Disulfide	9.9		0.25	0.25	r
107-02-8	Acrolein	52		2.5	2.5	r
75-09-2	Methylene Chloride	9.3		1.0	1.0	r
67-64-1	Acetone	8.9		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	10		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	8.3		0.25	0.25	r
75-34-3	1,1-Dichloroethane	9.9		0.25	0.25	r
107-13-1	Acrylonitrile	8.8		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	9.9		0.25	0.25	r
594-20-7	2,2-Dichloropropane	9.9		0.25	0.25	r
74-97-5	Bromochloromethane	9.6		0.25	0.25	r
67-66-3	Chloroform	9.6		0.25	0.25	r
56-23-5	Carbon Tetrachloride	11		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	19		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	10		0.25	0.25	
78-93-3	Methyl Ethyl Ketone	7.6		2.5	2.5	r
563-58-6	1,1-Dichloropropene	11		0.25	0.25	r
71-43-2	Benzene	13		0.25	0.25	r
107-06-2	1,2-Dichloroethane	9.8		0.50	0.50	r
79-01-6	Trichloroethene	11		0.25	0.25	r
74-95-3	Dibromomethane	9.9		0.25	0.25	r
78-87-5	1,2-dichloropropane	10		0.25	0.25	r
75-27-4	Bromodichloromethane	10		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	10		0.25	0.25	r
108-88-3	Toluene	11		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	8.3		2.5	2.5	r
127-18-4	Tetrachloroethene	11		0.25	0.25	r
10061-02-6	trans-1,3-Dichloropropene	9.8		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP98023 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP98023 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_04.D

Level: (low/med/meth): Med Date Received: 01/31/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	9.6		0.25	0.25	r
124-48-1	Dibromochloromethane	11		0.25	0.25	r
142-28-9	1,3-Dichloropropane	9.7		0.25	0.25	r
106-93-4	1,2-Dibromoethane	9.8		0.25	0.25	r
591-78-6	2-Hexanone	8.0		2.5	2.5	r
108-90-7	Chlorobenzene	11		0.25	0.25	r
100-41-4	Ethylbenzene	11		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	12		0.25	0.25	r
179601-23-1	m&p-Xylene	22		0.25	0.25	r
95-47-6	o-Xylene	11		0.25	0.25	r
100-42-5	Styrene	11		0.25	0.25	r
75-25-2	Bromoform	11		0.25	0.25	r
98-82-8	Isopropylbenzene	12		0.25	0.25	r
108-86-1	Bromobenzene	11		0.25	0.25	r
103-65-1	n-Propylbenzene	12		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	9.7		0.25	0.25	r
95-49-8	2-Chlorotoluene	11		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	11		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	9.7		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	39		2.5	2.5	r
106-43-4	4-Chlorotoluene	11		0.25	0.25	r
98-06-6	tert-Butylbenzene	11		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	11		0.25	0.25	r
135-98-8	sec-Butylbenzene	11		0.25	0.25	r
99-87-6	p-Isopropyltoluene	11		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	11		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	11		0.25	0.25	r
527-84-4	2-Isopropyltoluene	11		0.25	0.25	r
104-51-8	n-Butylbenzene	11		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	10		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	9.7		0.50	0.50	r
87-68-3	Hexachlorobutadiene	11		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	10		0.25	0.25	r
91-20-3	Naphthalene	9.7		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	9.9		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_04.D
 Acq On : 2 Feb 2024 8:47 am
 Operator :
 Client ID : CP98023 LCSD
 Lab ID : CP98023 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:59:08 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.674	168	354008	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	537653	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.101	117	484588	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	245722	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	20773	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.361	192	24200	8.785	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	87.90%	
45) % Toluene-d8	4.982	98	682155	9.992	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.90%	
62) % Bromofluorobenzene	7.037	95	230893	9.713	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.10%	
64) % 1,2-dichlorobenzene-d4	8.052	152	200603	9.677	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	242937	8.901	ug/l	100
3) Chloromethane	1.190	50	372744	9.155	ug/l	96
4) Vinyl Chloride	1.227	62	281124	10.229	ug/l	97
5) Bromomethane	1.404	94	88858	11.443	ug/l	98
6) Chloroethane	1.472	64	138267	10.352	ug/l	100
7) Trichlorofluoromethane	1.551	101	299596	10.343	ug/l	100
9) 1,1-Dichloroethene	1.844	96	160071	10.254	ug/l	94
10) Trichlorotrifluoroethane	1.865	151	129102	10.208	ug/l	96
11) Carbon Disulfide	1.870	76	446915	9.944	ug/l	99
12) Acrolein	2.043	56	49534	51.985	ug/l	99
13) Methylene Chloride	2.205	84	136392	9.316	ug/l	89
14) Acetone	2.231	43	14292	8.888	ug/l	93
15) Trans-1,2-Dichloroethene	2.315	96	172449	10.268	ug/l	92
17) Methyl t-Butyl Ether (...)	2.383	73	196880	8.274	ug/l	95
19) 1,1-Dichloroethane	2.712	63	349732	9.851	ug/l	99
20) Acrylonitrile	2.733	53	18613	8.815	ug/l	95
23) Cis-1,2-Dichloroethene	3.068	96	169645	9.860	ug/l	92
24) 2,2-Dichloropropane	3.136	77	267878	9.861	ug/l	99
25) Bromochloromethane	3.193	128	48112	9.605	ug/l#	80
27) Chloroform	3.246	83	263544	9.644	ug/l	98
28) Carbon Tetrachloride	3.340	117	196948	10.631	ug/l	94
29) Tetrahydrofuran (THF)	3.355	42	30002	19.219	ug/l	97
30) 1,1,1-Trichloroethane	3.382	97	264197	10.121	ug/l	97
32) Methyl Ethyl Ketone	3.444	43	17340	7.570	ug/l	73
34) 1,1-Dichloropropene	3.465	75	267497	11.309	ug/l	97
35) Benzene	3.627	78	835949	12.841	ug/l	99
37) 1,2-Dichloroethane	3.758	62	156134	9.849	ug/l	97
39) Trichloroethene	4.020	130	202398	11.080	ug/l	96
40) Dibromomethane	4.302	93	59750	9.861	ug/l	92
41) 1,2-dichloropropane	4.370	63	206448	10.115	ug/l	100
42) Bromodichloromethane	4.417	83	174123	10.427	ug/l	99
43) cis-1,3-Dichloropropene	4.851	75	228960	10.084	ug/l	100
44) Toluene	5.019	92	520896	10.892	ug/l	99
46) 4-Methyl-2-Pentanone	5.285	43	52037	8.281	ug/l	92
47) Tetrachloroethene	5.301	164	187458	11.239	ug/l	96
48) trans-1,3-Dichloropropene	5.311	75	143472	9.773	ug/l	98
49) 1,1,2-Trichloroethane	5.427	97	81557	9.625	ug/l	99

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_04.D
 Acq On : 2 Feb 2024 8:47 am
 Operator :
 Client ID : CP98023 LCSD
 Lab ID : CP98023 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:59:08 2024
 Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

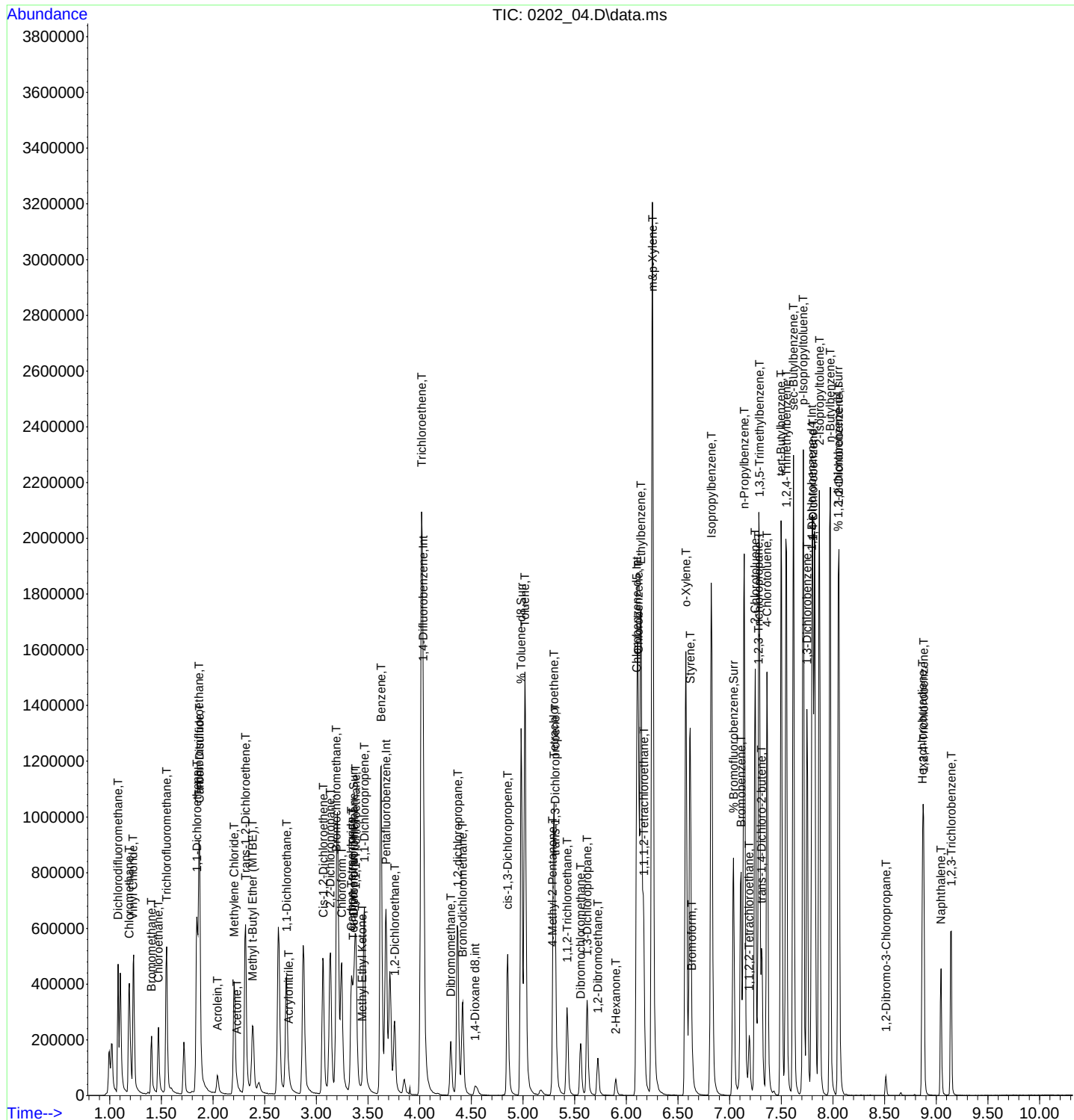
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.557	129	82867	11.094	ug/l	99
52) 1,3-Dichloropropane	5.620	76	154042	9.745	ug/l	98
53) 1,2-Dibromoethane	5.725	107	78186	9.788	ug/l	99
54) 2-Hexanone	5.897	43	32739	8.031	ug/l	97
55) Chlorobenzene	6.117	112	496337	10.775	ug/l	98
56) Ethylbenzene	6.143	106	318637	11.009	ug/l	97
57) 1,1,1,2-Tetrachloroethane	6.169	131	124161	11.695	ug/l	98
58) m&p-Xylene	6.253	106	754704	21.890	ug/l	98
59) o-Xylene	6.577	106	367845	10.783	ug/l	96
60) Styrene	6.619	104	524906	10.695	ug/l	96
61) Bromoform	6.635	173	34558	10.816	ug/l	97
65) Isopropylbenzene	6.823	120	271266	11.551	ug/l	96
66) Bromobenzene	7.111	156	182194	10.728	ug/l	91
67) n-Propylbenzene	7.142	120	274001	11.576	ug/l	91
68) 1,1,2,2-Tetrachloroethane	7.189	83	77245	9.659	ug/l	98
69) 2-Chlorotoluene	7.247	126	210116	11.163	ug/l	94
70) 1,3,5-Trimethylbenzene	7.289	105	833371	11.282	ug/l	98
71) 1,2,3-Trichloropropane	7.278	75	60723	9.691	ug/l	93
72) trans-1,4-Dichloro-2-b...	7.309	75	84694	38.499	ug/l	86
73) 4-Chlorotoluene	7.362	126	208114	10.975	ug/l	90
74) tert-Butylbenzene	7.498	119	718604	11.486	ug/l	96
75) 1,2,4-Trimethylbenzene	7.550	105	823226	11.197	ug/l	99
76) sec-Butylbenzene	7.618	105	1115803	11.341	ug/l	98
77) p-Isopropyltoluene	7.712	119	899756	11.369	ug/l	98
78) 1,3-Dichlorobenzene	7.749	146	382648	10.629	ug/l	97
79) 1,4-Dichlorobenzene	7.806	146	359423	10.667	ug/l	98
81) 2-Isopropyltoluene	7.869	119	823135	11.371	ug/l	98
82) n-Butylbenzene	7.974	91	802651	11.016	ug/l	99
83) 1,2-Dichlorobenzene	8.057	146	297448	10.391	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.512	155	8155	9.738	ug/l	90
85) Hexachlorobutadiene	8.868	225	98678	10.793	ug/l	99
86) 1,2,4-Trichlorobenzene	8.879	180	156656	10.217	ug/l	98
87) Naphthalene	9.046	128	206578	9.701	ug/l	98
88) 1,2,3-Trichlorobenzene	9.145	180	116256	9.852	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020224\
Data File : 0202_04.D
Acq On : 2 Feb 2024 8:47 am
Operator :
Client ID : CP98023 LCSD
Lab ID : CP98023 LCSD
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 08:59:08 2024
Quant Method : H:\V2024\CHEM17\METHODS\VT-012224.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jan 23 10:34:08 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP98023 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP98023 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_06.D

Level: (low/med/meth): Low Date Received: 01/31/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	1.0	U	0.25	1.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	1.0	U	0.25	1.0	r
75-00-3	Chloroethane	1.0	U	0.25	1.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	1.0	U	1.0	1.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	1.0	U	0.25	1.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	1.0	U	0.25	1.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	1.0	U	0.25	1.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	2.5	U	2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	5.0	U	2.5	5.0	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	1.0	U	0.25	1.0	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	0.50	U	0.25	0.50	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	5.0	U	2.5	5.0	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP98023 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP98023 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0202_06.D

Level: (low/med/meth): Low Date Received: 01/31/24

% Moisture: n.a. Date Analyzed: 02/02/24

Instrument: CHEM17 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	0.50	U	0.25	0.50	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	5.0	U	2.5	5.0	r
108-90-7	Chlorobenzene	1.0	U	0.25	1.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	1.0	U	0.25	1.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.10	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.25	0.50	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U	2.5	5.0	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.40	U	0.25	0.40	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_06.D
 Acq On : 2 Feb 2024 9:42 am
 Operator :
 Client ID : CP98023 BLANK
 Lab ID : CP98023 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:54:24 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

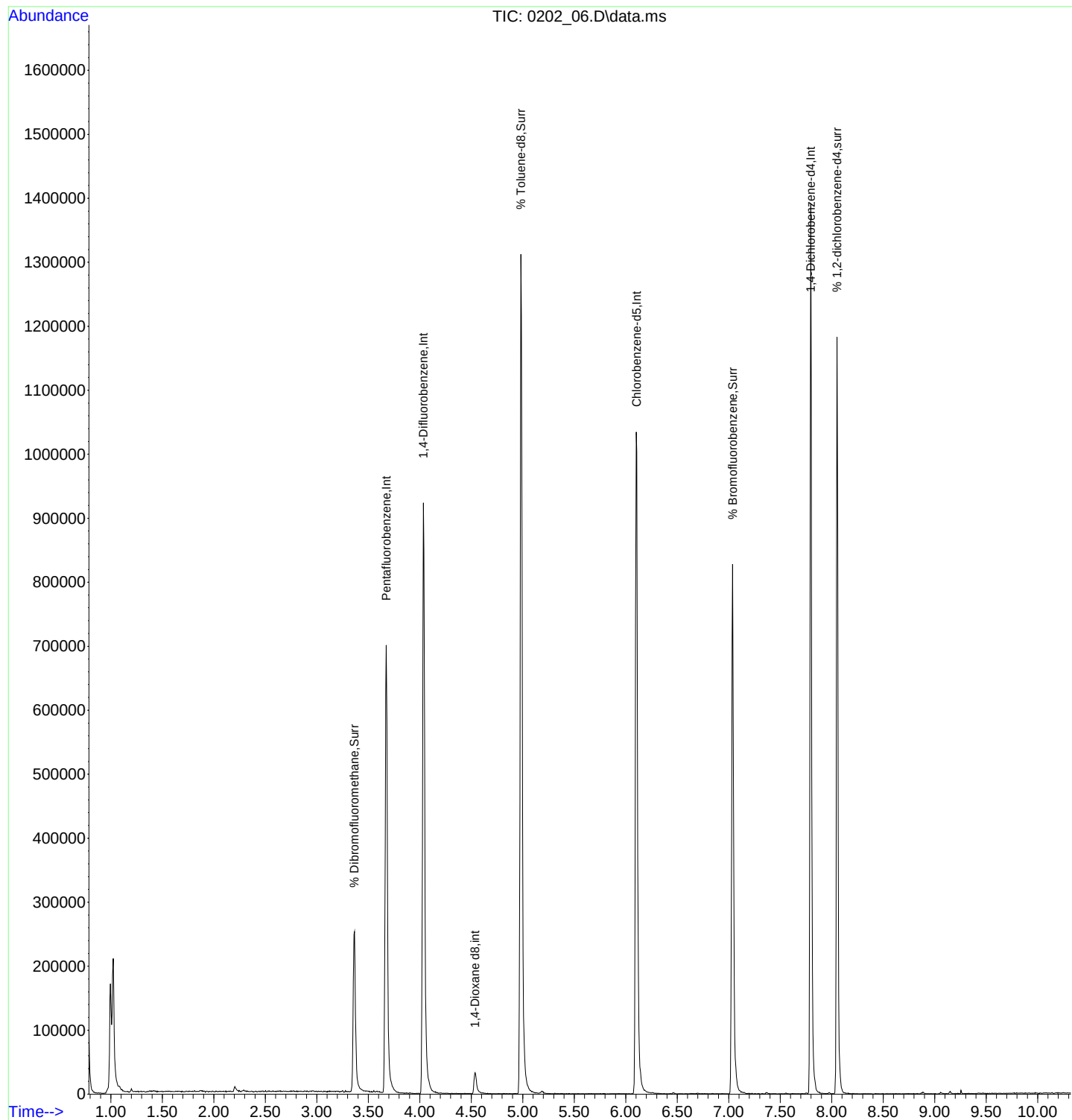
Internal Standards						
1) Pentafluorobenzene	3.674	168	387096	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.035	114	589769	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.106	117	497649	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.796	152	250554	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.537	96	21635	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.366	192	26739	8.877	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	88.80%		
45) % Toluene-d8	4.982	98	694806	9.278	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.80%		
62) % Bromofluorobenzene	7.037	95	235663	9.654	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.50%		
64) % 1,2-dichlorobenzene-d4	8.052	152	202310	9.571	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.70%		
Target Compounds						Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM17\02FEB\020224\
 Data File : 0202_06.D
 Acq On : 2 Feb 2024 9:42 am
 Operator :
 Client ID : CP98023 BLANK
 Lab ID : CP98023 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 15:54:24 2024
 Quant Method : H:\V2024\CHEM17\Methods\VT-012224.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 23 10:34:08 2024
 Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99440 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99440 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_03.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	12		0.25	0.25	
74-87-3	Chloromethane	9.6		0.25	0.25	
75-01-4	Vinyl Chloride	11		0.25	0.25	
74-83-9	Bromomethane	9.7		0.25	0.25	
75-00-3	Chloroethane	11		0.25	0.25	
75-69-4	Trichlorofluoromethane	12		0.25	0.25	
75-35-4	1,1-Dichloroethene	11		0.25	0.25	
76-13-1	Trichlorotrifluoroethane	12		0.25	0.25	
75-15-0	Carbon Disulfide	11		0.25	0.25	
107-02-8	Acrolein	69		2.5	2.5	
75-09-2	Methylene Chloride	9.7		1.0	1.0	
67-64-1	Acetone	11		2.5	2.5	
156-60-5	Trans-1,2-Dichloroethene	10		0.25	0.25	
1634-04-4	Methyl t-Butyl Ether (MTBE)	11		0.25	0.25	
75-34-3	1,1-Dichloroethane	10		0.25	0.25	
107-13-1	Acrylonitrile	10		2.5	2.5	
156-59-2	Cis-1,2-Dichloroethene	9.8		0.25	0.25	
594-20-7	2,2-Dichloropropane	10		0.25	0.25	
74-97-5	Bromochloromethane	10		0.25	0.25	
67-66-3	Chloroform	10		0.25	0.25	
56-23-5	Carbon Tetrachloride	11		0.25	0.25	
109-99-9	Tetrahydrofuran (THF)	25		2.5	2.5	
71-55-6	1,1,1-Trichloroethane	10		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	10		2.5	2.5	
563-58-6	1,1-Dichloropropene	11		0.25	0.25	
71-43-2	Benzene	9.9		0.25	0.25	
107-06-2	1,2-Dichloroethane	11		0.50	0.50	
79-01-6	Trichloroethene	10		0.25	0.25	
74-95-3	Dibromomethane	10		0.25	0.25	
78-87-5	1,2-dichloropropane	10		0.25	0.25	
75-27-4	Bromodichloromethane	10		0.25	0.25	
10061-01-5	cis-1,3-Dichloropropene	10		0.25	0.25	
108-88-3	Toluene	9.9		0.25	0.25	
108-10-1	4-Methyl-2-Pentanone	11		2.5	2.5	
127-18-4	Tetrachloroethene	11		0.25	0.25	
10061-02-6	trans-1,3-Dichloropropene	10		0.25	0.25	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99440 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99440 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_03.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	11		0.25	0.25	
124-48-1	Dibromochloromethane	11		0.25	0.25	
142-28-9	1,3-Dichloropropane	10		0.25	0.25	
106-93-4	1,2-Dibromoethane	11		0.25	0.25	
591-78-6	2-Hexanone	12		2.5	2.5	
108-90-7	Chlorobenzene	10		0.25	0.25	
100-41-4	Ethylbenzene	10		0.25	0.25	
630-20-6	1,1,1,2-Tetrachloroethane	10		0.25	0.25	
179601-23-1	m&p-Xylene	20		0.25	0.25	
95-47-6	o-Xylene	9.9		0.25	0.25	
100-42-5	Styrene	10		0.25	0.25	
75-25-2	Bromoform	10		0.25	0.25	
98-82-8	Isopropylbenzene	10		0.25	0.25	
108-86-1	Bromobenzene	9.8		0.25	0.25	
103-65-1	n-Propylbenzene	10		0.25	0.25	
79-34-5	1,1,2,2-Tetrachloroethane	10		0.25	0.25	
95-49-8	2-Chlorotoluene	9.7		0.25	0.25	
108-67-8	1,3,5-Trimethylbenzene	9.9		0.25	0.25	
96-18-4	1,2,3-Trichloropropane	10		0.25	0.25	
110-57-6	trans-1,4-Dichloro-2-butene	54		2.5	2.5	
106-43-4	4-Chlorotoluene	10		0.25	0.25	
98-06-6	tert-Butylbenzene	10		0.25	0.25	
95-63-6	1,2,4-Trimethylbenzene	10		0.25	0.25	
135-98-8	sec-Butylbenzene	10		0.25	0.25	
99-87-6	p-Isopropyltoluene	10		0.25	0.25	
541-73-1	1,3-Dichlorobenzene	9.9		0.25	0.25	
106-46-7	1,4-Dichlorobenzene	10		0.25	0.25	
527-84-4	2-Isopropyltoluene	10		0.25	0.25	
104-51-8	n-Butylbenzene	11		0.25	0.25	
95-50-1	1,2-Dichlorobenzene	10		0.25	0.25	
96-12-8	1,2-Dibromo-3-Chloropropane	12		0.50	0.50	
87-68-3	Hexachlorobutadiene	11		0.20	0.20	
120-82-1	1,2,4-Trichlorobenzene	10		0.25	0.25	
91-20-3	Naphthalene	11		1.0	1.0	
87-61-6	1,2,3-Trichlorobenzene	11		0.25	0.25	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_03.D
 Acq On : 5 Feb 2024 7:27 am
 Operator :
 Client ID : CP99440 LCS
 Lab ID : CP99440 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 07:38:30 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:22:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	280668	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	454116	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	390413	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	228844	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	27817	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	22417	10.155	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.60%			
45) % Toluene-d8	5.132	98	558896	10.025	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.30%			
62) % Bromofluorobenzene	7.167	95	202077	10.222	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
64) % 1,2-dichlorobenzene-d4	8.155	152	195703	10.279	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.80%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	98842	11.835	ug/l	100
3) Chloromethane	1.262	50	116676	9.632	ug/l	98
4) Vinyl Chloride	1.303	62	110288	11.004	ug/l	97
5) Bromomethane	1.497	94	44063	9.737	ug/l	97
6) Chloroethane	1.565	64	64493	10.684	ug/l	96
7) Trichlorofluoromethane	1.649	101	129522	12.413	ug/l	99
9) 1,1-Dichloroethene	1.968	96	70779	10.994	ug/l	97
10) Trichlorotrifluoroethane	1.994	151	52862	12.426	ug/l	96
11) Carbon Disulfide	1.994	76	215320	10.543	ug/l	99
12) Acrolein	2.182	56	26431	68.582	ug/l	97
13) Methylene Chloride	2.344	84	70680	9.666	ug/l	89
14) Acetone	2.376	43	8363	11.088	ug/l	98
15) Trans-1,2-Dichloroethene	2.454	96	76612	10.060	ug/l	97
17) Methyl t-Butyl Ether (...)	2.527	73	115419	10.708	ug/l	99
19) 1,1-Dichloroethane	2.857	63	156161	10.024	ug/l	98
20) Acrylonitrile	2.883	53	9589	10.421	ug/l	97
23) Cis-1,2-Dichloroethene	3.212	96	79072	9.804	ug/l	96
24) 2,2-Dichloropropane	3.286	77	124120	10.255	ug/l	99
25) Bromochloromethane	3.343	128	26904	10.232	ug/l	91
27) Chloroform	3.396	83	140619	10.155	ug/l	98
28) Carbon Tetrachloride	3.495	117	96100	11.022	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	19872	24.831	ug/l	99
30) 1,1,1-Trichloroethane	3.537	97	118320	10.402	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	11082	10.469	ug/l	86
34) 1,1-Dichloropropene	3.615	75	111599	10.754	ug/l	97
35) Benzene	3.777	78	319249	9.934	ug/l	99
37) 1,2-Dichloroethane	3.908	62	70668	10.528	ug/l	98
39) Trichloroethene	4.170	130	79259	9.958	ug/l	95
40) Dibromomethane	4.452	93	25961	10.133	ug/l	94
41) 1,2-dichloropropane	4.520	63	76341	9.973	ug/l	97
42) Bromodichloromethane	4.562	83	80040	10.371	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	101929	10.293	ug/l	99
44) Toluene	5.169	92	191196	9.935	ug/l	100
46) 4-Methyl-2-Pentanone	5.435	43	27220	11.118	ug/l	98
47) Tetrachloroethene	5.446	164	60717	10.613	ug/l	96
48) trans-1,3-Dichloropropene	5.456	75	72579	10.433	ug/l	99
49) 1,1,2-Trichloroethane	5.571	97	35356	10.581	ug/l	92

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_03.D
 Acq On : 5 Feb 2024 7:27 am
 Operator :
 Client ID : CP99440 LCS
 Lab ID : CP99440 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 07:38:30 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:22:45 2024
 Response via : Initial Calibration

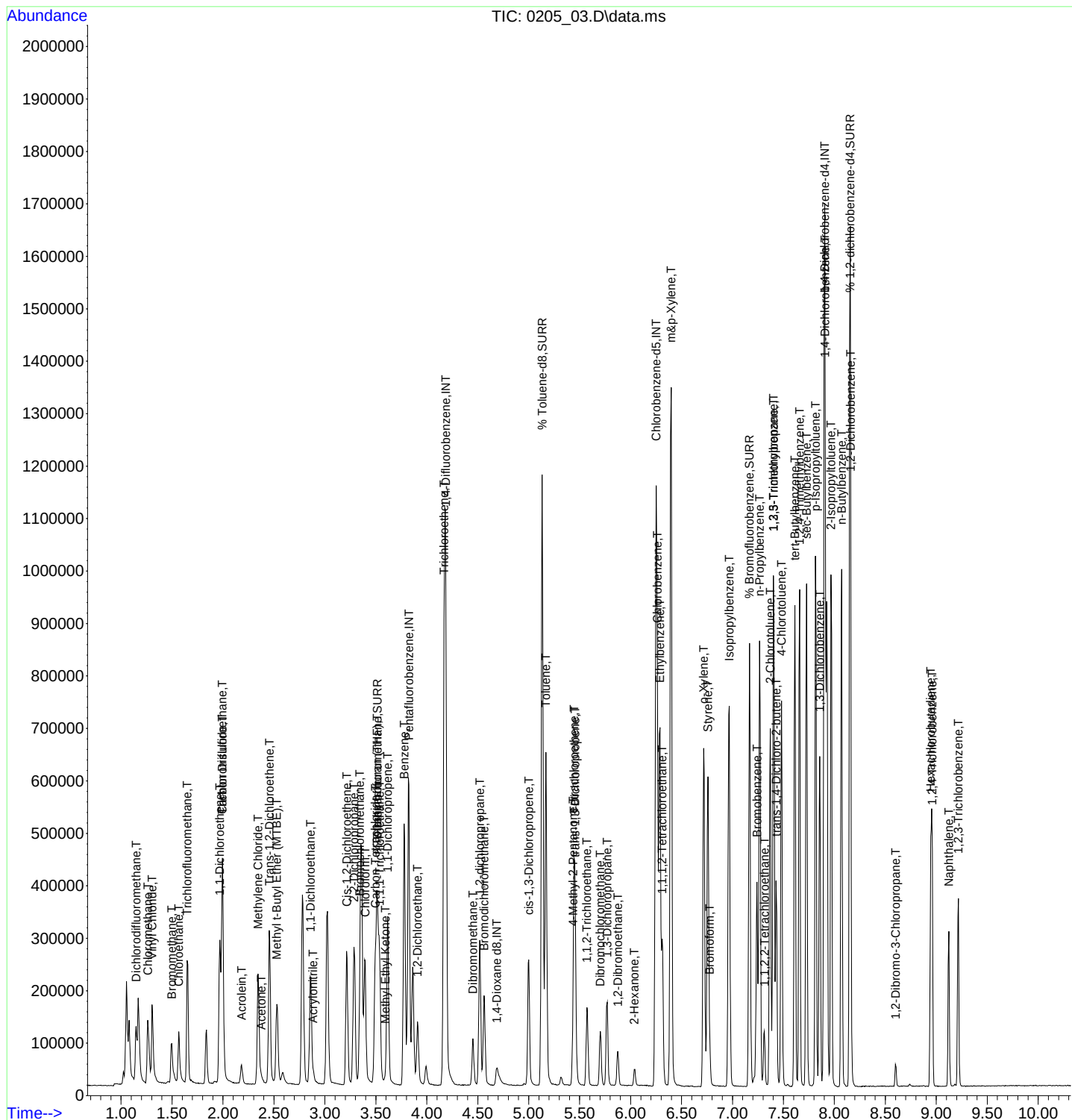
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	42242	10.669	ug/l	99
52) 1,3-Dichloropropane	5.770	76	65533	10.347	ug/l	98
53) 1,2-Dibromoethane	5.875	107	34014	10.854	ug/l	97
54) 2-Hexanone	6.037	43	17084	11.503	ug/l	98
55) Chlorobenzene	6.262	112	194550	9.981	ug/l	96
56) Ethylbenzene	6.288	106	113655	10.098	ug/l	100
57) 1,1,1,2-Tetrachloroethane	6.309	131	54269	10.112	ug/l	96
58) m&p-Xylene	6.398	106	282442	19.927	ug/l	99
59) o-Xylene	6.717	106	133692	9.870	ug/l	97
60) Styrene	6.759	104	207888	10.212	ug/l	99
61) Bromoform	6.774	173	16196	10.353	ug/l	98
65) Isopropylbenzene	6.968	120	99324	10.038	ug/l	97
66) Bromobenzene	7.240	156	72264	9.808	ug/l	89
67) n-Propylbenzene	7.266	120	103353	9.997	ug/l	89
68) 1,1,2,2-Tetrachloroethane	7.313	83	36082	10.348	ug/l	99
69) 2-Chlorotoluene	7.370	126	86318	9.721	ug/l	84
70) 1,3,5-Trimethylbenzene	7.402	105	317361	9.922	ug/l	100
71) 1,2,3-Trichloropropane	7.402	75	30952	10.493	ug/l#	80
72) trans-1,4-Dichloro-2-b...	7.428	75	64281	53.998	ug/l	85
73) 4-Chlorotoluene	7.480	126	90157	9.957	ug/l	95
74) tert-Butylbenzene	7.611	119	272026	10.138	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	324639	10.011	ug/l	99
76) sec-Butylbenzene	7.726	105	415704	10.462	ug/l	97
77) p-Isopropyltoluene	7.815	119	359318	10.307	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	161020	9.914	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	156422	9.969	ug/l	99
81) 2-Isopropyltoluene	7.967	119	340071	10.300	ug/l	99
82) n-Butylbenzene	8.071	91	337048	10.587	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	132565	10.063	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.600	155	4954	11.611	ug/l	86
85) Hexachlorobutadiene	8.945	225	42821	10.812	ug/l	99
86) 1,2,4-Trichlorobenzene	8.960	180	80386	10.358	ug/l	97
87) Naphthalene	9.123	128	129407	10.766	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	63912	10.574	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
Data File : 0205_03.D
Acq On : 5 Feb 2024 7:27 am
Operator :
Client ID : CP99440 LCS
Lab ID : CP99440 LCS
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 07:38:30 2024
Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Sat Feb 03 16:22:45 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99440 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99440 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_04.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	12		0.25	0.25	
74-87-3	Chloromethane	10		0.25	0.25	
75-01-4	Vinyl Chloride	11		0.25	0.25	
74-83-9	Bromomethane	10		0.25	0.25	
75-00-3	Chloroethane	11		0.25	0.25	
75-69-4	Trichlorofluoromethane	13		0.25	0.25	
75-35-4	1,1-Dichloroethene	11		0.25	0.25	
76-13-1	Trichlorotrifluoroethane	13		0.25	0.25	
75-15-0	Carbon Disulfide	11		0.25	0.25	
107-02-8	Acrolein	68		2.5	2.5	
75-09-2	Methylene Chloride	9.7		1.0	1.0	
67-64-1	Acetone	11		2.5	2.5	
156-60-5	Trans-1,2-Dichloroethene	10		0.25	0.25	
1634-04-4	Methyl t-Butyl Ether (MTBE)	11		0.25	0.25	
75-34-3	1,1-Dichloroethane	10		0.25	0.25	
107-13-1	Acrylonitrile	11		2.5	2.5	
156-59-2	Cis-1,2-Dichloroethene	9.9		0.25	0.25	
594-20-7	2,2-Dichloropropane	10		0.25	0.25	
74-97-5	Bromochloromethane	10		0.25	0.25	
67-66-3	Chloroform	10		0.25	0.25	
56-23-5	Carbon Tetrachloride	11		0.25	0.25	
109-99-9	Tetrahydrofuran (THF)	24		2.5	2.5	
71-55-6	1,1,1-Trichloroethane	11		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	10		2.5	2.5	
563-58-6	1,1-Dichloropropene	11		0.25	0.25	
71-43-2	Benzene	10		0.25	0.25	
107-06-2	1,2-Dichloroethane	10		0.50	0.50	
79-01-6	Trichloroethene	10		0.25	0.25	
74-95-3	Dibromomethane	10		0.25	0.25	
78-87-5	1,2-dichloropropane	10		0.25	0.25	
75-27-4	Bromodichloromethane	10		0.25	0.25	
10061-01-5	cis-1,3-Dichloropropene	10		0.25	0.25	
108-88-3	Toluene	10		0.25	0.25	
108-10-1	4-Methyl-2-Pentanone	11		2.5	2.5	
127-18-4	Tetrachloroethene	11		0.25	0.25	
10061-02-6	trans-1,3-Dichloropropene	10		0.25	0.25	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99440 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99440 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_04.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	10		0.25	0.25	
124-48-1	Dibromochloromethane	11		0.25	0.25	
142-28-9	1,3-Dichloropropane	10		0.25	0.25	
106-93-4	1,2-Dibromoethane	11		0.25	0.25	
591-78-6	2-Hexanone	10		2.5	2.5	
108-90-7	Chlorobenzene	9.9		0.25	0.25	
100-41-4	Ethylbenzene	10		0.25	0.25	
630-20-6	1,1,1,2-Tetrachloroethane	10		0.25	0.25	
179601-23-1	m&p-Xylene	20		0.25	0.25	
95-47-6	o-Xylene	9.9		0.25	0.25	
100-42-5	Styrene	10		0.25	0.25	
75-25-2	Bromoform	10		0.25	0.25	
98-82-8	Isopropylbenzene	10		0.25	0.25	
108-86-1	Bromobenzene	9.8		0.25	0.25	
103-65-1	n-Propylbenzene	10		0.25	0.25	
79-34-5	1,1,2,2-Tetrachloroethane	10		0.25	0.25	
95-49-8	2-Chlorotoluene	9.7		0.25	0.25	
108-67-8	1,3,5-Trimethylbenzene	9.9		0.25	0.25	
96-18-4	1,2,3-Trichloropropane	10		0.25	0.25	
110-57-6	trans-1,4-Dichloro-2-butene	51		2.5	2.5	
106-43-4	4-Chlorotoluene	9.9		0.25	0.25	
98-06-6	tert-Butylbenzene	10		0.25	0.25	
95-63-6	1,2,4-Trimethylbenzene	10		0.25	0.25	
135-98-8	sec-Butylbenzene	10		0.25	0.25	
99-87-6	p-Isopropyltoluene	10		0.25	0.25	
541-73-1	1,3-Dichlorobenzene	9.9		0.25	0.25	
106-46-7	1,4-Dichlorobenzene	9.9		0.25	0.25	
527-84-4	2-Isopropyltoluene	10		0.25	0.25	
104-51-8	n-Butylbenzene	11		0.25	0.25	
95-50-1	1,2-Dichlorobenzene	10		0.25	0.25	
96-12-8	1,2-Dibromo-3-Chloropropane	11		0.50	0.50	
87-68-3	Hexachlorobutadiene	11		0.20	0.20	
120-82-1	1,2,4-Trichlorobenzene	10		0.25	0.25	
91-20-3	Naphthalene	11		1.0	1.0	
87-61-6	1,2,3-Trichlorobenzene	11		0.25	0.25	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_04.D
 Acq On : 5 Feb 2024 7:51 am
 Operator :
 Client ID : CP99440 LCSD
 Lab ID : CP99440 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 08:04:30 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:22:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	280473	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	456470	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	392484	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	230207	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	28972	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	22333	10.124	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.20%			
45) % Toluene-d8	5.132	98	561153	10.014	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.10%			
62) % Bromofluorobenzene	7.167	95	200685	10.098	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.00%			
64) % 1,2-dichlorobenzene-d4	8.155	152	193186	10.086	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	101367	12.146	ug/l	100
3) Chloromethane	1.262	50	121032	9.998	ug/l	99
4) Vinyl Chloride	1.304	62	111659	11.148	ug/l	98
5) Bromomethane	1.497	94	46973	10.387	ug/l	99
6) Chloroethane	1.565	64	65086	10.790	ug/l	96
7) Trichlorofluoromethane	1.649	101	130822	12.547	ug/l	99
9) 1,1-Dichloroethene	1.968	96	70502	10.959	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	54080	12.721	ug/l	96
11) Carbon Disulfide	1.994	76	217278	10.646	ug/l	99
12) Acrolein	2.182	56	26136	67.864	ug/l	96
13) Methylene Chloride	2.344	84	70599	9.662	ug/l	90
14) Acetone	2.376	43	8215	10.900	ug/l	99
15) Trans-1,2-Dichloroethene	2.454	96	77799	10.223	ug/l	97
17) Methyl t-Butyl Ether (...)	2.527	73	113483	10.536	ug/l	100
19) 1,1-Dichloroethane	2.857	63	156472	10.051	ug/l	98
20) Acrylonitrile	2.888	53	9954	10.825	ug/l	96
23) Cis-1,2-Dichloroethene	3.218	96	80018	9.928	ug/l	97
24) 2,2-Dichloropropane	3.286	77	125665	10.390	ug/l	98
25) Bromochloromethane	3.343	128	26978	10.268	ug/l	93
27) Chloroform	3.396	83	139408	10.075	ug/l	98
28) Carbon Tetrachloride	3.495	117	96739	11.103	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	19563	24.462	ug/l	96
30) 1,1,1-Trichloroethane	3.537	97	121089	10.652	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	10886	10.291	ug/l	87
34) 1,1-Dichloropropene	3.615	75	113365	10.867	ug/l	98
35) Benzene	3.777	78	323068	10.001	ug/l	100
37) 1,2-Dichloroethane	3.908	62	69248	10.263	ug/l	97
39) Trichloroethene	4.170	130	81004	10.125	ug/l	96
40) Dibromomethane	4.452	93	26188	10.169	ug/l	96
41) 1,2-dichloropropane	4.520	63	77300	10.047	ug/l	97
42) Bromodichloromethane	4.562	83	78822	10.160	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	102828	10.330	ug/l	100
44) Toluene	5.169	92	195439	10.103	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	26866	10.917	ug/l	97
47) Tetrachloroethene	5.446	164	60405	10.504	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	72596	10.381	ug/l	96
49) 1,1,2-Trichloroethane	5.571	97	34959	10.408	ug/l	93

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_04.D
 Acq On : 5 Feb 2024 7:51 am
 Operator :
 Client ID : CP99440 LCSD
 Lab ID : CP99440 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 05 08:04:30 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Sat Feb 03 16:22:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	41895	10.525	ug/l	99
52) 1,3-Dichloropropane	5.770	76	66684	10.473	ug/l	96
53) 1,2-Dibromoethane	5.875	107	34029	10.801	ug/l	92
54) 2-Hexanone	6.037	43	15582	10.436	ug/l	95
55) Chlorobenzene	6.262	112	193319	9.866	ug/l	96
56) Ethylbenzene	6.288	106	114198	10.093	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.309	131	53871	9.985	ug/l	97
58) m&p-Xylene	6.398	106	286668	20.119	ug/l	99
59) o-Xylene	6.717	106	135091	9.921	ug/l	97
60) Styrene	6.759	104	210908	10.306	ug/l	100
61) Bromoform	6.774	173	15695	9.979	ug/l	97
65) Isopropylbenzene	6.968	120	99342	9.981	ug/l	98
66) Bromobenzene	7.240	156	72407	9.769	ug/l	89
67) n-Propylbenzene	7.266	120	104634	10.061	ug/l	88
68) 1,1,2,2-Tetrachloroethane	7.308	83	35887	10.232	ug/l	99
69) 2-Chlorotoluene	7.371	126	86731	9.710	ug/l#	82
70) 1,3,5-Trimethylbenzene	7.402	105	317234	9.859	ug/l	99
71) 1,2,3-Trichloropropane	7.397	75	30672	10.337	ug/l	81
72) trans-1,4-Dichloro-2-b...	7.428	75	61378	51.254	ug/l	86
73) 4-Chlorotoluene	7.480	126	90450	9.930	ug/l	94
74) tert-Butylbenzene	7.611	119	273115	10.118	ug/l	95
75) 1,2,4-Trimethylbenzene	7.658	105	326976	10.023	ug/l	99
76) sec-Butylbenzene	7.726	105	417028	10.433	ug/l	97
77) p-Isopropyltoluene	7.815	119	359992	10.265	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	161479	9.884	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	156391	9.908	ug/l	100
81) 2-Isopropyltoluene	7.967	119	340392	10.248	ug/l	100
82) n-Butylbenzene	8.071	91	342586	10.697	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	133724	10.091	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	4856	11.314	ug/l	96
85) Hexachlorobutadiene	8.945	225	43140	10.828	ug/l	100
86) 1,2,4-Trichlorobenzene	8.961	180	79861	10.229	ug/l	96
87) Naphthalene	9.123	128	129767	10.732	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	64430	10.597	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

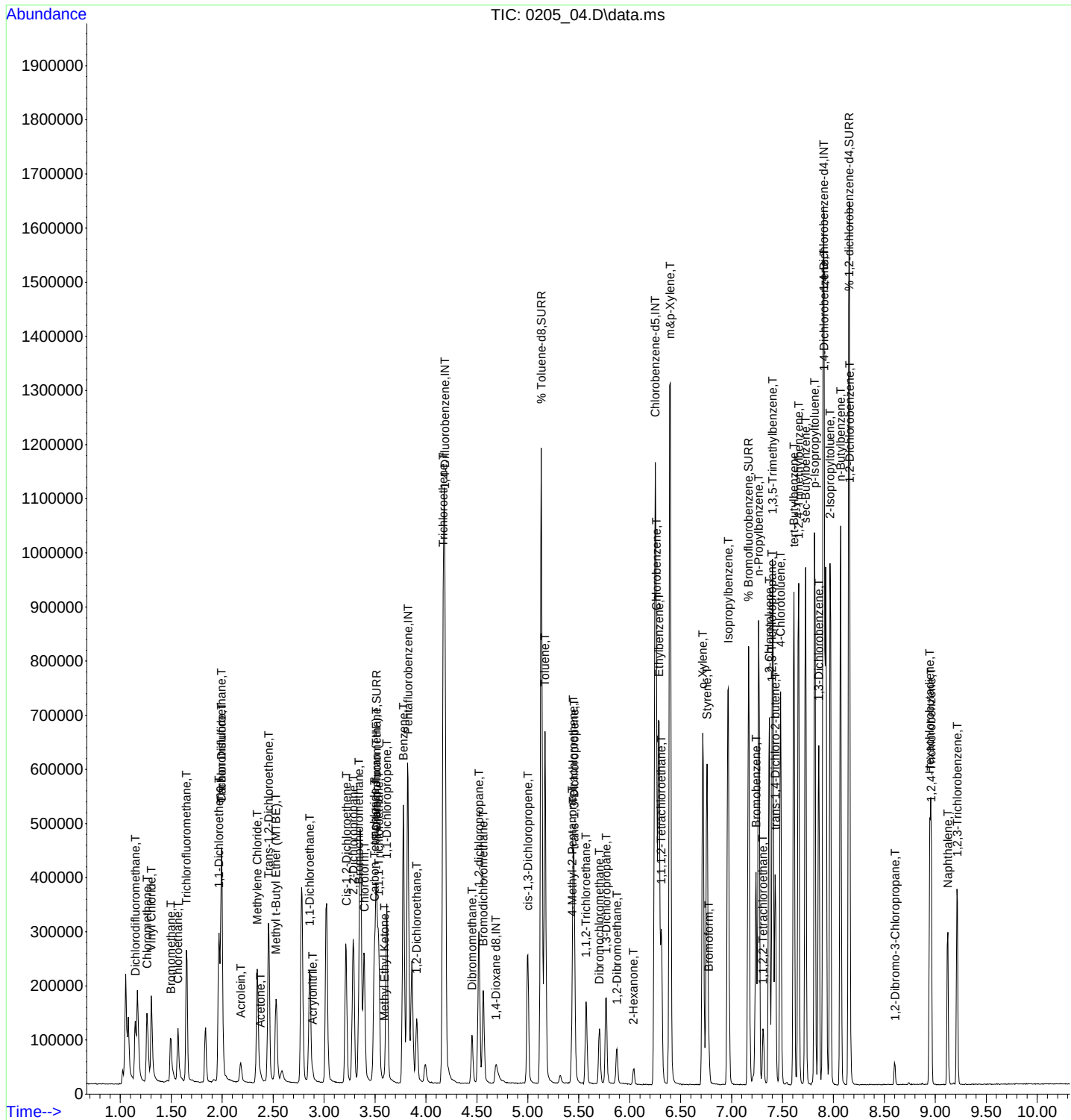
(QT Reviewed)

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Data Path   : H:\V2024\CHEM02\02FEB\020524\
Data File   : 0205_04.D
Acq On      : 5 Feb 2024    7:51 am
Operator    :
Client ID   : CP99440 LCSD
Lab ID      : CP99440 LCSD
ALS Vial    : 1    Sample Multiplier: 1

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Quant Time: Feb 05 08:04:30 2024
Quant Method : H:\V2024\CHEM02\METHODS\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Sat Feb 03 16:22:45 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99440 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99440 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_06.D

Level: (low/med/meth): Low Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	1.0	U	0.25	1.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99440 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99440 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_06.D

Level: (low/med/meth): Low Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_06.D
 Acq On : 5 Feb 2024 8:44 am
 Operator :
 Client ID : CP99440 BLANK
 Lab ID : CP99440 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:40:04 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	3.824	168	277477	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	452247	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	380619	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	215940	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	23881	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	22431	10.279	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.80%		
45) % Toluene-d8	5.132	98	550835	9.921	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.20%		
62) % Bromofluorobenzene	7.167	95	188106	9.761	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.60%		
64) % 1,2-dichlorobenzene-d4	8.155	152	181628	10.110	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.10%		

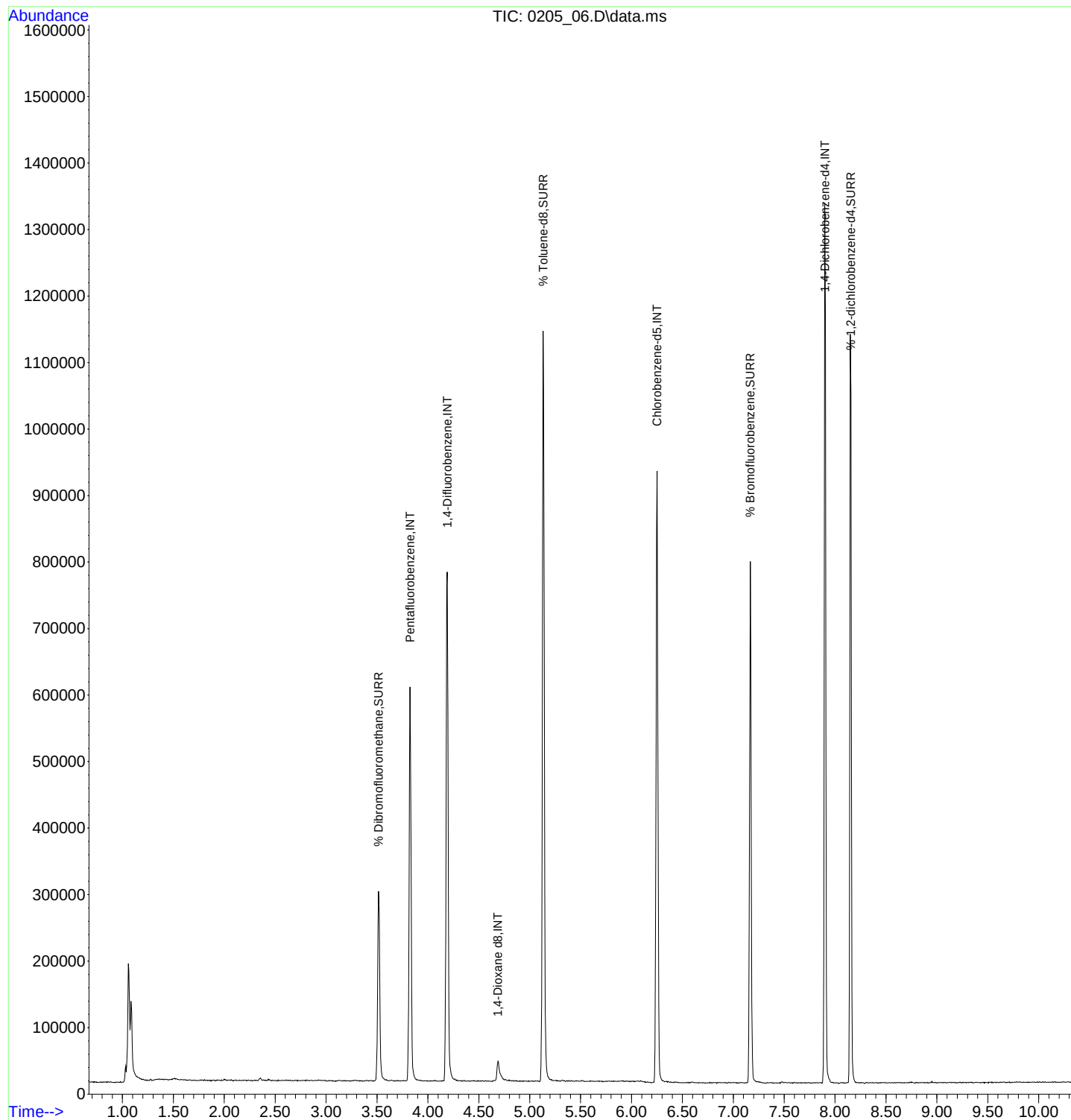
Target Compounds	Qvalue
-----	-----

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_06.D
 Acq On : 5 Feb 2024 8:44 am
 Operator :
 Client ID : CP99440 BLANK
 Lab ID : CP99440 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:40:04 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_29.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	11		0.25	0.25	r
74-87-3	Chloromethane	11		0.25	0.25	r
75-01-4	Vinyl Chloride	12		0.25	0.25	r
74-83-9	Bromomethane	11		0.25	0.25	r
75-00-3	Chloroethane	12		0.25	0.25	r
75-69-4	Trichlorofluoromethane	13		0.25	0.25	r
75-35-4	1,1-Dichloroethene	12		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	13		0.25	0.25	r
75-15-0	Carbon Disulfide	12		0.25	0.25	r
107-02-8	Acrolein	76		2.5	2.5	r
75-09-2	Methylene Chloride	11		1.0	1.0	r
67-64-1	Acetone	12		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	11		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	12		0.25	0.25	r
75-34-3	1,1-Dichloroethane	12		0.25	0.25	r
107-13-1	Acrylonitrile	12		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	11		0.25	0.25	r
594-20-7	2,2-Dichloropropane	11		0.25	0.25	r
74-97-5	Bromochloromethane	11		0.25	0.25	r
67-66-3	Chloroform	11		0.25	0.25	r
56-23-5	Carbon Tetrachloride	11		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	28		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	12		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	12		2.5	2.5	r
563-58-6	1,1-Dichloropropene	12		0.25	0.25	r
71-43-2	Benzene	11		0.25	0.25	r
107-06-2	1,2-Dichloroethane	12		0.50	0.50	r
79-01-6	Trichloroethene	11		0.25	0.25	r
74-95-3	Dibromomethane	12		0.25	0.25	r
78-87-5	1,2-dichloropropane	11		0.25	0.25	r
75-27-4	Bromodichloromethane	11		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	11		0.25	0.25	r
108-88-3	Toluene	11		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	12		2.5	2.5	r
127-18-4	Tetrachloroethene	11		0.25	0.25	r
10061-02-6	trans-1,3-Dichloropropene	11		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_29.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	12		0.25	0.25	r
124-48-1	Dibromochloromethane	12		0.25	0.25	r
142-28-9	1,3-Dichloropropane	12		0.25	0.25	r
106-93-4	1,2-Dibromoethane	12		0.25	0.25	r
591-78-6	2-Hexanone	13		2.5	2.5	r
108-90-7	Chlorobenzene	11		0.25	0.25	r
100-41-4	Ethylbenzene	11		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	11		0.25	0.25	r
179601-23-1	m&p-Xylene	22		0.25	0.25	r
95-47-6	o-Xylene	11		0.25	0.25	r
100-42-5	Styrene	11		0.25	0.25	r
75-25-2	Bromoform	10		0.25	0.25	r
98-82-8	Isopropylbenzene	11		0.25	0.25	r
108-86-1	Bromobenzene	11		0.25	0.25	r
103-65-1	n-Propylbenzene	11		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	11		0.25	0.25	r
95-49-8	2-Chlorotoluene	11		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	11		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	11		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	47		2.5	2.5	r
106-43-4	4-Chlorotoluene	11		0.25	0.25	r
98-06-6	tert-Butylbenzene	11		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	11		0.25	0.25	r
135-98-8	sec-Butylbenzene	11		0.25	0.25	r
99-87-6	p-Isopropyltoluene	11		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	11		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	11		0.25	0.25	r
527-84-4	2-Isopropyltoluene	11		0.25	0.25	r
104-51-8	n-Butylbenzene	12		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	11		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	12		0.50	0.50	r
87-68-3	Hexachlorobutadiene	11		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	11		0.25	0.25	r
91-20-3	Naphthalene	12		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	12		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_29.D
 Acq On : 5 Feb 2024 6:13 pm
 Operator :
 Client ID : CP99720 LCS
 Lab ID : CP99720 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:13 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	234260	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	377237	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	311258	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	186313	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	22606	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	18709	10.155	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.50%		
45) % Toluene-d8	5.132	98	462868	9.995	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.90%		
62) % Bromofluorobenzene	7.167	95	158075	10.030	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.30%		
64) % 1,2-dichlorobenzene-d4	8.155	152	158231	10.208	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.10%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	78135	11.209	ug/l	100
3) Chloromethane	1.267	50	111017	10.980	ug/l	98
4) Vinyl Chloride	1.309	62	99239	11.863	ug/l	99
5) Bromomethane	1.497	94	43016	11.389	ug/l	99
6) Chloroethane	1.570	64	60423	11.993	ug/l	95
7) Trichlorofluoromethane	1.654	101	117279	13.467	ug/l	99
9) 1,1-Dichloroethene	1.973	96	64590	12.020	ug/l	99
10) Trichlorotrifluoroethane	1.999	151	46993	13.235	ug/l	96
11) Carbon Disulfide	1.999	76	196193	11.509	ug/l	98
12) Acrolein	2.187	56	24482	76.110	ug/l	98
13) Methylene Chloride	2.349	84	67391	11.042	ug/l	90
14) Acetone	2.381	43	7794	12.381	ug/l	97
15) Trans-1,2-Dichloroethene	2.459	96	72124	11.346	ug/l	97
17) Methyl t-Butyl Ether (...)	2.533	73	106469	11.835	ug/l	99
19) 1,1-Dichloroethane	2.862	63	150952	11.609	ug/l	98
20) Acrylonitrile	2.888	53	9261	12.058	ug/l	97
23) Cis-1,2-Dichloroethene	3.218	96	75509	11.217	ug/l	97
24) 2,2-Dichloropropane	3.291	77	113025	11.188	ug/l	98
25) Bromochloromethane	3.348	128	25054	11.416	ug/l	89
27) Chloroform	3.396	83	131621	11.389	ug/l	99
28) Carbon Tetrachloride	3.495	117	82489	11.336	ug/l	99
29) Tetrahydrofuran (THF)	3.516	42	18501	27.698	ug/l	100
30) 1,1,1-Trichloroethane	3.537	97	109579	11.542	ug/l	98
32) Methyl Ethyl Ketone	3.594	43	10380	11.749	ug/l	81
34) 1,1-Dichloropropene	3.620	75	102594	11.901	ug/l	98
35) Benzene	3.783	78	302749	11.340	ug/l	100
37) 1,2-Dichloroethane	3.913	62	67567	12.117	ug/l	98
39) Trichloroethene	4.175	130	74369	11.248	ug/l	96
40) Dibromomethane	4.452	93	25110	11.798	ug/l	98
41) 1,2-dichloropropane	4.520	63	72945	11.472	ug/l	97
42) Bromodichloromethane	4.562	83	72197	11.261	ug/l	98
43) cis-1,3-Dichloropropene	5.001	75	92238	11.212	ug/l	100
44) Toluene	5.169	92	179659	11.238	ug/l	98
46) 4-Methyl-2-Pentanone	5.435	43	24306	11.951	ug/l	97
47) Tetrachloroethene	5.446	164	53609	11.280	ug/l	98
48) trans-1,3-Dichloropropene	5.456	75	65569	11.346	ug/l	94
49) 1,1,2-Trichloroethane	5.571	97	32828	11.826	ug/l	85

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_29.D
 Acq On : 5 Feb 2024 6:13 pm
 Operator :
 Client ID : CP99720 LCS
 Lab ID : CP99720 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:13 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

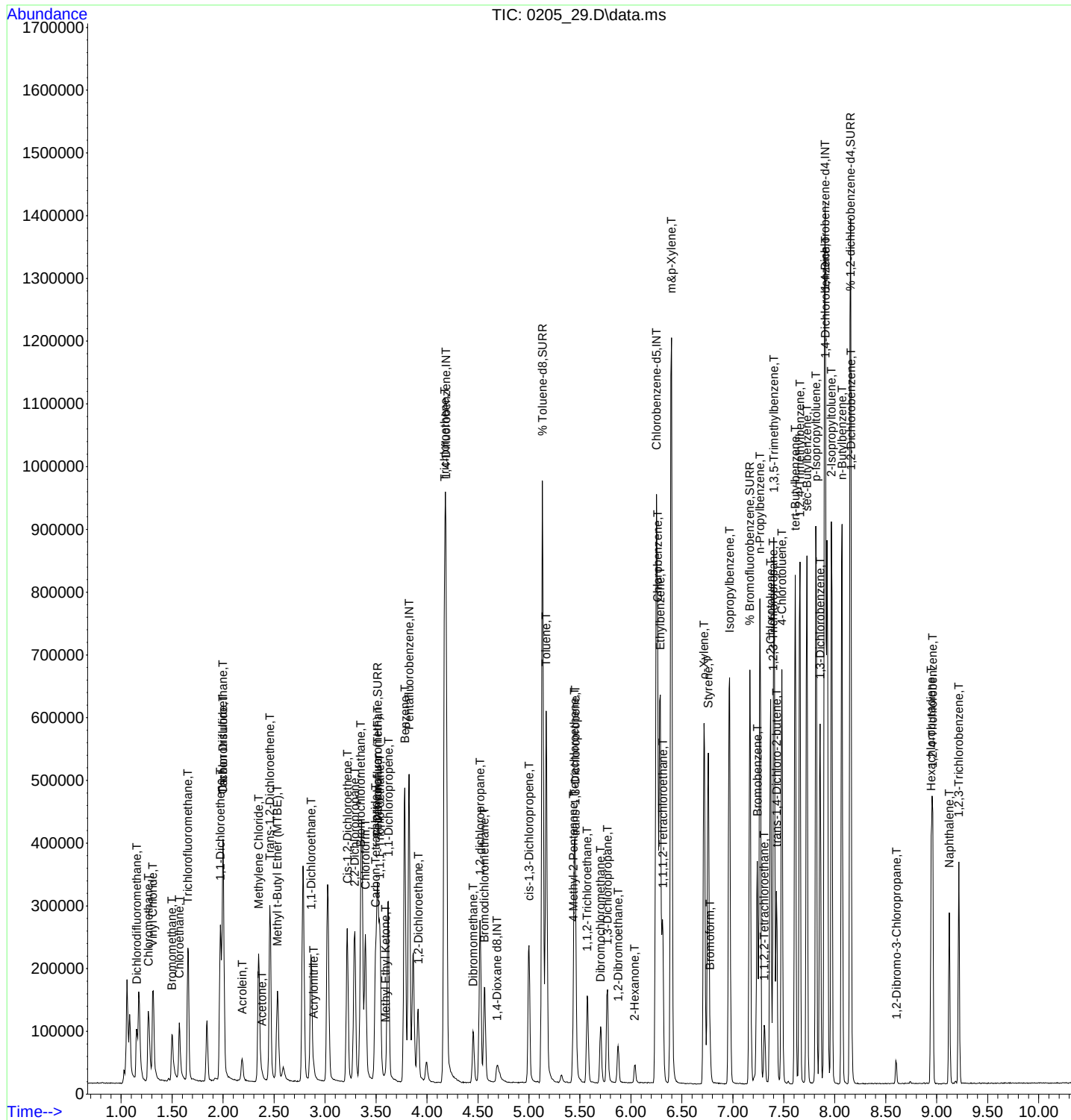
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	36365	11.520	ug/l	97
52) 1,3-Dichloropropane	5.770	76	61556	12.190	ug/l	98
53) 1,2-Dibromoethane	5.875	107	30618	12.255	ug/l	97
54) 2-Hexanone	6.037	43	15290	12.913	ug/l	95
55) Chlorobenzene	6.262	112	176292	11.345	ug/l	96
56) Ethylbenzene	6.288	106	101584	11.321	ug/l	98
57) 1,1,1,2-Tetrachloroethane	6.314	131	48066	11.234	ug/l	95
58) m&p-Xylene	6.398	106	253045	22.394	ug/l	99
59) o-Xylene	6.717	106	118188	10.945	ug/l	95
60) Styrene	6.759	104	186375	11.483	ug/l	98
61) Bromoform	6.774	173	12688	10.173	ug/l	98
65) Isopropylbenzene	6.968	120	86837	10.780	ug/l	97
66) Bromobenzene	7.240	156	64801	10.802	ug/l	89
67) n-Propylbenzene	7.266	120	90317	10.731	ug/l#	84
68) 1,1,2,2-Tetrachloroethane	7.308	83	32469	11.438	ug/l	98
69) 2-Chlorotoluene	7.370	126	77991	10.788	ug/l	85
70) 1,3,5-Trimethylbenzene	7.402	105	283418	10.883	ug/l	99
71) 1,2,3-Trichloropropane	7.397	75	27452	11.431	ug/l#	81
72) trans-1,4-Dichloro-2-b...	7.428	75	45167	46.603	ug/l	90
73) 4-Chlorotoluene	7.480	126	80906	10.975	ug/l	97
74) tert-Butylbenzene	7.611	119	239293	10.954	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	290743	11.013	ug/l	99
76) sec-Butylbenzene	7.726	105	365485	11.298	ug/l	97
77) p-Isopropyltoluene	7.815	119	317068	11.171	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	144884	10.957	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	143776	11.387	ug/l	100
81) 2-Isopropyltoluene	7.967	119	305466	11.363	ug/l	99
82) n-Butylbenzene	8.071	91	300501	11.594	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	122961	11.465	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	4207	12.111	ug/l	89
85) Hexachlorobutadiene	8.945	225	35629	11.050	ug/l	98
86) 1,2,4-Trichlorobenzene	8.960	180	71378	11.296	ug/l	96
87) Naphthalene	9.123	128	116871	11.942	ug/l	97
88) 1,2,3-Trichlorobenzene	9.217	180	57532	11.692	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

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Data Path : H:\V2024\CHEM02\02FEB\020524\  
Data File : 0205_29.D  
Acq On : 5 Feb 2024 6:13 pm  
Operator :  
Client ID : CP99720 LCS  
Lab ID : CP99720 LCS  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Feb 06 12:41:13 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:31:38 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_30.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	11		0.25	0.25	r
74-87-3	Chloromethane	10		0.25	0.25	r
75-01-4	Vinyl Chloride	12		0.25	0.25	r
74-83-9	Bromomethane	12		0.25	0.25	r
75-00-3	Chloroethane	12		0.25	0.25	r
75-69-4	Trichlorofluoromethane	13		0.25	0.25	r
75-35-4	1,1-Dichloroethene	12		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	13		0.25	0.25	r
75-15-0	Carbon Disulfide	11		0.25	0.25	r
107-02-8	Acrolein	74		2.5	2.5	r
75-09-2	Methylene Chloride	11		1.0	1.0	r
67-64-1	Acetone	12		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	11		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	11		0.25	0.25	r
75-34-3	1,1-Dichloroethane	11		0.25	0.25	r
107-13-1	Acrylonitrile	12		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	11		0.25	0.25	r
594-20-7	2,2-Dichloropropane	11		0.25	0.25	r
74-97-5	Bromochloromethane	12		0.25	0.25	r
67-66-3	Chloroform	11		0.25	0.25	r
56-23-5	Carbon Tetrachloride	11		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	26		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	12		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	12		2.5	2.5	r
563-58-6	1,1-Dichloropropene	12		0.25	0.25	r
71-43-2	Benzene	11		0.25	0.25	r
107-06-2	1,2-Dichloroethane	11		0.50	0.50	r
79-01-6	Trichloroethene	11		0.25	0.25	r
74-95-3	Dibromomethane	11		0.25	0.25	r
78-87-5	1,2-dichloropropane	11		0.25	0.25	r
75-27-4	Bromodichloromethane	11		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	11		0.25	0.25	r
108-88-3	Toluene	11		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	12		2.5	2.5	r
127-18-4	Tetrachloroethene	11		0.25	0.25	r
10061-02-6	trans-1,3-Dichloropropene	11		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_30.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	11		0.25	0.25	r
124-48-1	Dibromochloromethane	11		0.25	0.25	r
142-28-9	1,3-Dichloropropane	12		0.25	0.25	r
106-93-4	1,2-Dibromoethane	12		0.25	0.25	r
591-78-6	2-Hexanone	13		2.5	2.5	r
108-90-7	Chlorobenzene	11		0.25	0.25	r
100-41-4	Ethylbenzene	11		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	11		0.25	0.25	r
179601-23-1	m&p-Xylene	22		0.25	0.25	r
95-47-6	o-Xylene	11		0.25	0.25	r
100-42-5	Styrene	11		0.25	0.25	r
75-25-2	Bromoform	10		0.25	0.25	r
98-82-8	Isopropylbenzene	11		0.25	0.25	r
108-86-1	Bromobenzene	11		0.25	0.25	r
103-65-1	n-Propylbenzene	11		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	11		0.25	0.25	r
95-49-8	2-Chlorotoluene	11		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	11		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	11		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	45		2.5	2.5	r
106-43-4	4-Chlorotoluene	11		0.25	0.25	r
98-06-6	tert-Butylbenzene	11		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	11		0.25	0.25	r
135-98-8	sec-Butylbenzene	11		0.25	0.25	r
99-87-6	p-Isopropyltoluene	11		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	11		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	11		0.25	0.25	r
527-84-4	2-Isopropyltoluene	11		0.25	0.25	r
104-51-8	n-Butylbenzene	11		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	11		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	11		0.50	0.50	r
87-68-3	Hexachlorobutadiene	11		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	11		0.25	0.25	r
91-20-3	Naphthalene	12		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	11		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_30.D
 Acq On : 5 Feb 2024 6:36 pm
 Operator :
 Client ID : CP99720 LCS
 Lab ID : CP99720 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:16 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	253643	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	412030	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	342165	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	205169	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.688	96	24518	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	19981	10.016	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.20%			
45) % Toluene-d8	5.132	98	504427	9.972	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.70%			
62) % Bromofluorobenzene	7.167	95	174405	10.067	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%			
64) % 1,2-dichlorobenzene-d4	8.155	152	173665	10.174	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.70%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	83225	11.027	ug/l	99
3) Chloromethane	1.267	50	110243	10.070	ug/l	99
4) Vinyl Chloride	1.309	62	106688	11.779	ug/l	98
5) Bromomethane	1.497	94	48619	11.888	ug/l	99
6) Chloroethane	1.570	64	65074	11.929	ug/l	96
7) Trichlorofluoromethane	1.654	101	126026	13.365	ug/l	100
9) 1,1-Dichloroethene	1.973	96	68043	11.695	ug/l	100
10) Trichlorotrifluoroethane	1.999	151	50189	13.055	ug/l	96
11) Carbon Disulfide	1.999	76	210835	11.423	ug/l	99
12) Acrolein	2.187	56	25827	74.155	ug/l	93
13) Methylene Chloride	2.350	84	70713	10.701	ug/l	93
14) Acetone	2.381	43	8003	11.742	ug/l	99
15) Trans-1,2-Dichloroethene	2.459	96	77240	11.223	ug/l	97
17) Methyl t-Butyl Ether (...)	2.533	73	111665	11.464	ug/l	100
19) 1,1-Dichloroethane	2.862	63	159643	11.339	ug/l	98
20) Acrylonitrile	2.888	53	9767	11.745	ug/l	96
23) Cis-1,2-Dichloroethene	3.218	96	79520	10.910	ug/l	96
24) 2,2-Dichloropropane	3.291	77	119538	10.929	ug/l	98
25) Bromochloromethane	3.349	128	27383	11.524	ug/l	93
27) Chloroform	3.396	83	142646	11.400	ug/l	98
28) Carbon Tetrachloride	3.495	117	87345	11.086	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	18650	25.787	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	118485	11.526	ug/l	98
32) Methyl Ethyl Ketone	3.600	43	11895	12.434	ug/l	78
34) 1,1-Dichloropropene	3.621	75	108538	11.527	ug/l	98
35) Benzene	3.783	78	323848	11.106	ug/l	100
37) 1,2-Dichloroethane	3.913	62	69281	11.376	ug/l	97
39) Trichloroethene	4.175	130	80047	11.085	ug/l	96
40) Dibromomethane	4.452	93	26381	11.349	ug/l	97
41) 1,2-dichloropropane	4.520	63	78374	11.285	ug/l	96
42) Bromodichloromethane	4.567	83	79442	11.345	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	99659	11.091	ug/l	99
44) Toluene	5.169	92	191914	10.991	ug/l	100
46) 4-Methyl-2-Pentanone	5.435	43	25701	11.570	ug/l	97
47) Tetrachloroethene	5.446	164	57319	11.042	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	69158	10.956	ug/l	94
49) 1,1,2-Trichloroethane	5.571	97	34727	11.454	ug/l	91

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_30.D
 Acq On : 5 Feb 2024 6:36 pm
 Operator :
 Client ID : CP99720 LCSD
 Lab ID : CP99720 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:16 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

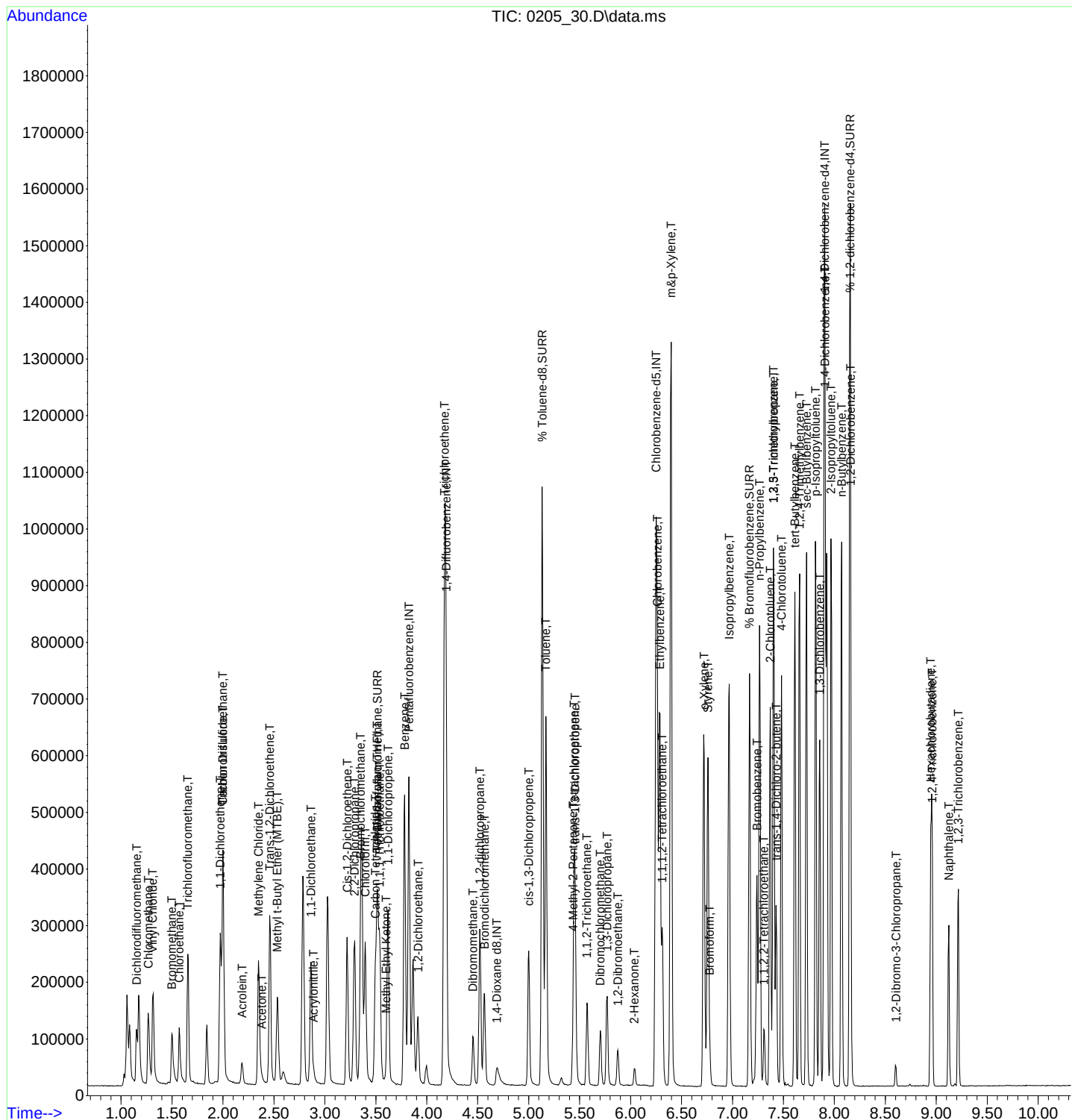
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	38435	11.076	ug/l	97
52) 1,3-Dichloropropane	5.770	76	64485	11.617	ug/l	98
53) 1,2-Dibromoethane	5.875	107	32357	11.781	ug/l	99
54) 2-Hexanone	6.037	43	16417	12.612	ug/l	95
55) Chlorobenzene	6.262	112	189416	11.088	ug/l	97
56) Ethylbenzene	6.288	106	108005	10.949	ug/l	95
57) 1,1,1,2-Tetrachloroethane	6.309	131	50820	10.805	ug/l	96
58) m&p-Xylene	6.398	106	272732	21.956	ug/l	98
59) o-Xylene	6.722	106	128979	10.865	ug/l	98
60) Styrene	6.759	104	200922	11.262	ug/l	99
61) Bromoform	6.774	173	13825	10.083	ug/l	97
65) Isopropylbenzene	6.968	120	93229	10.509	ug/l	97
66) Bromobenzene	7.240	156	69637	10.542	ug/l	90
67) n-Propylbenzene	7.266	120	97954	10.568	ug/l#	86
68) 1,1,2,2-Tetrachloroethane	7.308	83	34748	11.116	ug/l	97
69) 2-Chlorotoluene	7.371	126	84211	10.578	ug/l	84
70) 1,3,5-Trimethylbenzene	7.402	105	307244	10.714	ug/l	100
71) 1,2,3-Trichloropropane	7.402	75	29113	11.008	ug/l	83
72) trans-1,4-Dichloro-2-b...	7.428	75	48344	45.296	ug/l	88
73) 4-Chlorotoluene	7.480	126	86889	10.703	ug/l	95
74) tert-Butylbenzene	7.611	119	259557	10.790	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	316700	10.893	ug/l	98
76) sec-Butylbenzene	7.726	105	396180	11.121	ug/l	97
77) p-Isopropyltoluene	7.815	119	341416	10.923	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	155763	10.697	ug/l	98
79) 1,4-Dichlorobenzene	7.909	146	152321	10.955	ug/l	99
81) 2-Isopropyltoluene	7.967	119	330252	11.156	ug/l	99
82) n-Butylbenzene	8.071	91	326546	11.441	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	130065	11.013	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	4395	11.490	ug/l	92
85) Hexachlorobutadiene	8.945	225	40376	11.371	ug/l	99
86) 1,2,4-Trichlorobenzene	8.961	180	77246	11.102	ug/l	96
87) Naphthalene	9.123	128	124069	11.513	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	61428	11.336	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_30.D
 Acq On : 5 Feb 2024 6:36 pm
 Operator :
 Client ID : CP99720 LCSD
 Lab ID : CP99720 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:16 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 MS 10X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 MS 10X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_49.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 10

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	110		2.5	2.5	
74-87-3	Chloromethane	93		2.5	2.5	
75-01-4	Vinyl Chloride	110		2.5	2.5	
74-83-9	Bromomethane	65		2.5	2.5	
75-00-3	Chloroethane	120		2.5	2.5	
75-69-4	Trichlorofluoromethane	140		2.5	2.5	
75-35-4	1,1-Dichloroethene	120		2.5	2.5	
76-13-1	Trichlorotrifluoroethane	130		2.5	2.5	
75-15-0	Carbon Disulfide	110		2.5	2.5	
107-02-8	Acrolein	630		25	25	
75-09-2	Methylene Chloride	100		10	10	
67-64-1	Acetone	110		25	25	
156-60-5	Trans-1,2-Dichloroethene	110		2.5	2.5	
1634-04-4	Methyl t-Butyl Ether (MTBE)	100		2.5	2.5	
75-34-3	1,1-Dichloroethane	110		2.5	2.5	
107-13-1	Acrylonitrile	100		25	25	
156-59-2	Cis-1,2-Dichloroethene	120		2.5	2.5	
594-20-7	2,2-Dichloropropane	98		2.5	2.5	
74-97-5	Bromochloromethane	110		2.5	2.5	
67-66-3	Chloroform	110		2.5	2.5	
56-23-5	Carbon Tetrachloride	110		2.5	2.5	
109-99-9	Tetrahydrofuran (THF)	250		25	25	
71-55-6	1,1,1-Trichloroethane	120		2.5	2.5	
78-93-3	Methyl Ethyl Ketone	110		25	25	
563-58-6	1,1-Dichloropropene	120		2.5	2.5	
71-43-2	Benzene	110		2.5	2.5	
107-06-2	1,2-Dichloroethane	110		5.0	5.0	
79-01-6	Trichloroethene	120		2.5	2.5	
74-95-3	Dibromomethane	110		2.5	2.5	
78-87-5	1,2-dichloropropane	110		2.5	2.5	
75-27-4	Bromodichloromethane	110		2.5	2.5	
10061-01-5	cis-1,3-Dichloropropene	100		2.5	2.5	
108-88-3	Toluene	110		2.5	2.5	
108-10-1	4-Methyl-2-Pentanone	110		25	25	
127-18-4	Tetrachloroethene	230		2.5	2.5	r
10061-02-6	trans-1,3-Dichloropropene	99		2.5	2.5	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 MS 10X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 MS 10X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_49.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 10

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	110		2.5	2.5	
124-48-1	Dibromochloromethane	100		2.5	2.5	
142-28-9	1,3-Dichloropropane	110		2.5	2.5	
106-93-4	1,2-Dibromoethane	110		2.5	2.5	
591-78-6	2-Hexanone	95		25	25	
108-90-7	Chlorobenzene	110		2.5	2.5	
100-41-4	Ethylbenzene	110		2.5	2.5	
630-20-6	1,1,1,2-Tetrachloroethane	97		2.5	2.5	
179601-23-1	m&p-Xylene	220		2.5	2.5	
95-47-6	o-Xylene	110		2.5	2.5	
100-42-5	Styrene	110		2.5	2.5	
75-25-2	Bromoform	86		2.5	2.5	
98-82-8	Isopropylbenzene	100		2.5	2.5	
108-86-1	Bromobenzene	99		2.5	2.5	
103-65-1	n-Propylbenzene	100		2.5	2.5	
79-34-5	1,1,2,2-Tetrachloroethane	100		2.5	2.5	
95-49-8	2-Chlorotoluene	100		2.5	2.5	
108-67-8	1,3,5-Trimethylbenzene	100		2.5	2.5	
96-18-4	1,2,3-Trichloropropane	100		2.5	2.5	
110-57-6	trans-1,4-Dichloro-2-butene	400		25	25	
106-43-4	4-Chlorotoluene	100		2.5	2.5	
98-06-6	tert-Butylbenzene	110		2.5	2.5	
95-63-6	1,2,4-Trimethylbenzene	100		2.5	2.5	
135-98-8	sec-Butylbenzene	110		2.5	2.5	
99-87-6	p-Isopropyltoluene	110		2.5	2.5	
541-73-1	1,3-Dichlorobenzene	100		2.5	2.5	
106-46-7	1,4-Dichlorobenzene	100		2.5	2.5	
527-84-4	2-Isopropyltoluene	110		2.5	2.5	
104-51-8	n-Butylbenzene	110		2.5	2.5	
95-50-1	1,2-Dichlorobenzene	100		2.5	2.5	
96-12-8	1,2-Dibromo-3-Chloropropane	99		5.0	5.0	
87-68-3	Hexachlorobutadiene	110		2.0	2.0	
120-82-1	1,2,4-Trichlorobenzene	100		2.5	2.5	
91-20-3	Naphthalene	100		10	10	
87-61-6	1,2,3-Trichlorobenzene	110		2.5	2.5	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_49.D
 Acq On : 6 Feb 2024 2:17 am
 Operator :
 Client ID : CP99720 MS 10X
 Lab ID : CP99720 MS 10X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 14:44:50 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	233717	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	388593	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	318340	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	194760	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.688	96	22416	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	18693	10.169	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.70%			
45) % Toluene-d8	5.132	98	477934	10.018	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.20%			
62) % Bromofluorobenzene	7.167	95	164319	10.194	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.90%			
64) % 1,2-dichlorobenzene-d4	8.155	152	167889	10.361	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.60%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	74448	10.705	ug/l	100
3) Chloromethane	1.267	50	94125	9.331	ug/l	97
4) Vinyl Chloride	1.309	62	95106	11.395	ug/l	97
5) Bromomethane	1.497	94	24420	6.480	ug/l	96
6) Chloroethane	1.570	64	59962	11.929	ug/l	96
7) Trichlorofluoromethane	1.659	101	120698	13.891	ug/l	100
9) 1,1-Dichloroethene	1.973	96	63150	11.780	ug/l	98
10) Trichlorotrifluoroethane	1.999	151	47286	13.348	ug/l	95
11) Carbon Disulfide	1.999	76	191154	11.240	ug/l	99
12) Acrolein	2.187	56	20228	63.031	ug/l	93
13) Methylene Chloride	2.350	84	61681	10.130	ug/l	92
14) Acetone	2.381	43	7138	11.365	ug/l	98
15) Trans-1,2-Dichloroethene	2.459	96	69804	11.007	ug/l	96
17) Methyl t-Butyl Ether (...)	2.538	73	92495	10.305	ug/l	99
19) 1,1-Dichloroethane	2.862	63	145059	11.181	ug/l	98
20) Acrylonitrile	2.888	53	7935	10.356	ug/l	93
23) Cis-1,2-Dichloroethene	3.218	96	79635	11.857	ug/l	96
24) 2,2-Dichloropropane	3.291	77	98656	9.789	ug/l	98
25) Bromochloromethane	3.349	128	23235	10.612	ug/l	89
27) Chloroform	3.396	83	126839	11.001	ug/l	99
28) Carbon Tetrachloride	3.495	117	81846m	11.273	ug/l	100
29) Tetrahydrofuran (THF)	3.511	42	16436	24.664	ug/l	92
30) 1,1,1-Trichloroethane	3.537	97	111538	11.775	ug/l	98
32) Methyl Ethyl Ketone	3.600	43	9536	10.818	ug/l	87
34) 1,1-Dichloropropene	3.621	75	103880	11.698	ug/l	98
35) Benzene	3.783	78	294062	10.693	ug/l	100
37) 1,2-Dichloroethane	3.913	62	63433	11.044	ug/l	98
39) Trichloroethene	4.175	130	79579	11.685	ug/l	97
40) Dibromomethane	4.452	93	23281	10.619	ug/l	97
41) 1,2-dichloropropane	4.520	63	68745	10.495	ug/l	97
42) Bromodichloromethane	4.567	83	70493	10.674	ug/l	98
43) cis-1,3-Dichloropropene	5.001	75	84899	10.018	ug/l	99
44) Toluene	5.169	92	174450	10.593	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	23066	11.010	ug/l	97
47) Tetrachloroethene	5.446	164	113787	23.243	ug/l	97
48) trans-1,3-Dichloropropene	5.462	75	58911	9.896	ug/l	97
49) 1,1,2-Trichloroethane	5.571	97	30610	10.705	ug/l	91

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_49.D
 Acq On : 6 Feb 2024 2:17 am
 Operator :
 Client ID : CP99720 MS 10X
 Lab ID : CP99720 MS 10X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 14:44:50 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	33192	10.281	ug/l	100
52) 1,3-Dichloropropane	5.770	76	56873	11.012	ug/l	96
53) 1,2-Dibromoethane	5.875	107	28721	11.240	ug/l	98
54) 2-Hexanone	6.042	43	11542	9.531	ug/l	94
55) Chlorobenzene	6.262	112	169195	10.646	ug/l	97
56) Ethylbenzene	6.288	106	99952	10.891	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.314	131	42592	9.733	ug/l	96
58) m&p-Xylene	6.398	106	250297	21.658	ug/l	99
59) o-Xylene	6.717	106	115921	10.496	ug/l	99
60) Styrene	6.759	104	180400	10.868	ug/l	99
61) Bromoform	6.774	173	10950	8.584	ug/l	99
65) Isopropylbenzene	6.968	120	86442	10.265	ug/l	95
66) Bromobenzene	7.240	156	62345	9.942	ug/l	90
67) n-Propylbenzene	7.266	120	91748	10.428	ug/l#	86
68) 1,1,2,2-Tetrachloroethane	7.308	83	29877	10.068	ug/l	98
69) 2-Chlorotoluene	7.371	126	77462	10.250	ug/l	86
70) 1,3,5-Trimethylbenzene	7.402	105	279472	10.266	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	26105	10.399	ug/l	84
72) trans-1,4-Dichloro-2-b...	7.428	75	40070	39.550	ug/l	90
73) 4-Chlorotoluene	7.480	126	78515	10.188	ug/l	95
74) tert-Butylbenzene	7.611	119	242052	10.600	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	282469	10.235	ug/l	99
76) sec-Butylbenzene	7.726	105	374957	11.088	ug/l	97
77) p-Isopropyltoluene	7.815	119	319990	10.785	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	140641	10.175	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	137417	10.411	ug/l	100
81) 2-Isopropyltoluene	7.967	119	301266	10.721	ug/l	99
82) n-Butylbenzene	8.072	91	304391	11.234	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	117658	10.495	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	3609	9.939	ug/l	95
85) Hexachlorobutadiene	8.945	225	36212	10.744	ug/l	99
86) 1,2,4-Trichlorobenzene	8.961	180	67112	10.161	ug/l	95
87) Naphthalene	9.123	128	106846	10.445	ug/l	99
88) 1,2,3-Trichlorobenzene	9.212	180	55025	10.697	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

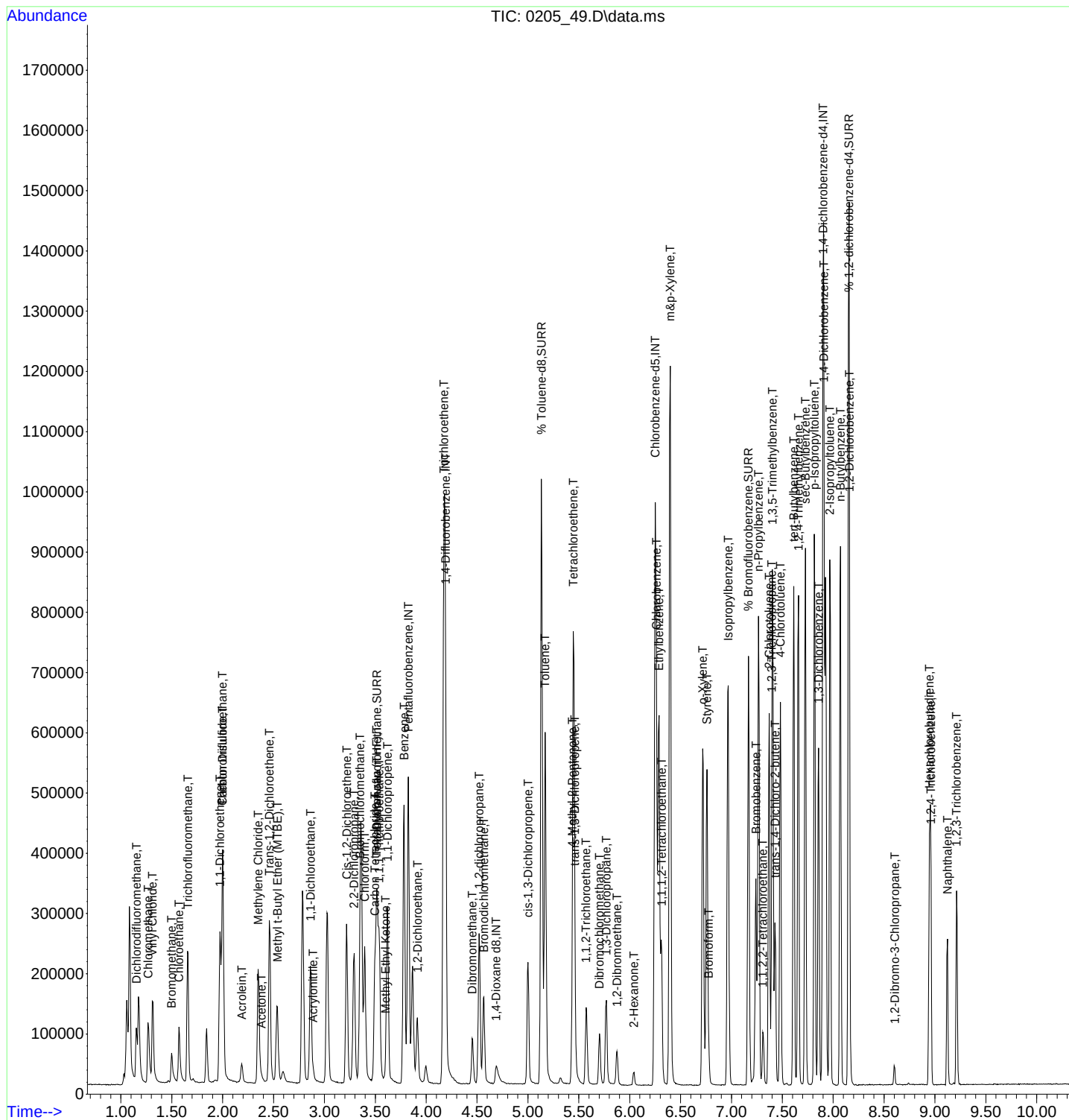
(QT Reviewed)

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Data Path   : H:\V2024\CHEM02\02FEB\020524\
Data File   : 0205_49.D
Acq On      : 6 Feb 2024    2:17 am
Operator    :
Client ID    : CP99720 MS 10X
Lab ID      : CP99720 MS 10X
ALS Vial    : 1    Sample Multiplier: 1

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Quant Time: Feb 06 14:44:50 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:31:38 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 MS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 MS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_51.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	11		0.25	0.25	r
74-87-3	Chloromethane	9.7		0.25	0.25	r
75-01-4	Vinyl Chloride	12		0.25	0.25	r
74-83-9	Bromomethane	9.9		0.25	0.25	r
75-00-3	Chloroethane	11		0.25	0.25	r
75-69-4	Trichlorofluoromethane	14		0.25	0.25	r
75-35-4	1,1-Dichloroethene	12		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	14		0.25	0.25	r
75-15-0	Carbon Disulfide	12		0.25	0.25	r
107-02-8	Acrolein	62		2.5	2.5	r
75-09-2	Methylene Chloride	10		1.0	1.0	r
67-64-1	Acetone	12		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	11		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	11		0.25	0.25	r
75-34-3	1,1-Dichloroethane	11		0.25	0.25	r
107-13-1	Acrylonitrile	11		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	25		0.25	0.25	r
594-20-7	2,2-Dichloropropane	9.5		0.25	0.25	r
74-97-5	Bromochloromethane	11		0.25	0.25	r
67-66-3	Chloroform	11		0.25	0.25	r
56-23-5	Carbon Tetrachloride	11		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	24		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	12		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	13		2.5	2.5	r
563-58-6	1,1-Dichloropropene	12		0.25	0.25	r
71-43-2	Benzene	11		0.25	0.25	r
107-06-2	1,2-Dichloroethane	11		0.50	0.50	r
79-01-6	Trichloroethene	19		0.25	0.25	r
74-95-3	Dibromomethane	11		0.25	0.25	r
78-87-5	1,2-dichloropropane	11		0.25	0.25	r
75-27-4	Bromodichloromethane	11		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	10		0.25	0.25	r
108-88-3	Toluene	11		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	11		2.5	2.5	r
127-18-4	Tetrachloroethene	140		0.25	0.25	
10061-02-6	trans-1,3-Dichloropropene	10		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 MS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 MS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_51.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	11		0.25	0.25	r
124-48-1	Dibromochloromethane	11		0.25	0.25	r
142-28-9	1,3-Dichloropropane	11		0.25	0.25	r
106-93-4	1,2-Dibromoethane	11		0.25	0.25	r
591-78-6	2-Hexanone	10		2.5	2.5	r
108-90-7	Chlorobenzene	10		0.25	0.25	r
100-41-4	Ethylbenzene	11		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	9.8		0.25	0.25	r
179601-23-1	m&p-Xylene	21		0.25	0.25	r
95-47-6	o-Xylene	10		0.25	0.25	r
100-42-5	Styrene	7.5		0.25	0.25	r
75-25-2	Bromoform	9.1		0.25	0.25	r
98-82-8	Isopropylbenzene	10		0.25	0.25	r
108-86-1	Bromobenzene	9.8		0.25	0.25	r
103-65-1	n-Propylbenzene	10		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	10		0.25	0.25	r
95-49-8	2-Chlorotoluene	10		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	10		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	11		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	41		2.5	2.5	r
106-43-4	4-Chlorotoluene	10		0.25	0.25	r
98-06-6	tert-Butylbenzene	11		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	10		0.25	0.25	r
135-98-8	sec-Butylbenzene	11		0.25	0.25	r
99-87-6	p-Isopropyltoluene	11		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	10		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	10		0.25	0.25	r
527-84-4	2-Isopropyltoluene	11		0.25	0.25	r
104-51-8	n-Butylbenzene	11		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	11		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	10		0.50	0.50	r
87-68-3	Hexachlorobutadiene	11		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	10		0.25	0.25	r
91-20-3	Naphthalene	11		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	11		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_51.D
 Acq On : 6 Feb 2024 3:04 am
 Operator :
 Client ID : CP99720 MS
 Lab ID : CP99720 MS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:19 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	249822	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	407056	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	335377	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	204722	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	24778	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	19672	10.012	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.10%			
45) % Toluene-d8	5.132	98	503602	10.078	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.80%			
62) % Bromofluorobenzene	7.166	95	173795	10.234	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.30%			
64) % 1,2-dichlorobenzene-d4	8.155	152	174203	10.228	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.30%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.146	85	78268	10.529	ug/l	100
3) Chloromethane	1.262	50	104643	9.705	ug/l	100
4) Vinyl Chloride	1.303	62	103573	11.610	ug/l	97
5) Bromomethane	1.492	94	39983	9.926	ug/l	98
6) Chloroethane	1.565	64	61706	11.485	ug/l	94
7) Trichlorofluoromethane	1.649	101	131261	14.133	ug/l	100
9) 1,1-Dichloroethene	1.968	96	68923	12.028	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	52345	13.824	ug/l	97
11) Carbon Disulfide	1.994	76	210377	11.573	ug/l	99
12) Acrolein	2.182	56	21248	61.941	ug/l	93
13) Methylene Chloride	2.344	84	66019	10.144	ug/l	91
14) Acetone	2.376	43	7951	11.844	ug/l	100
15) Trans-1,2-Dichloroethene	2.454	96	75185	11.091	ug/l	95
17) Methyl t-Butyl Ether (...)	2.527	73	105684	11.016	ug/l	99
19) 1,1-Dichloroethane	2.857	63	153988	11.105	ug/l	99
20) Acrylonitrile	2.883	53	8825	10.775	ug/l	96
23) Cis-1,2-Dichloroethene	3.212	96	180735	25.176	ug/l	98
24) 2,2-Dichloropropane	3.286	77	102411	9.506	ug/l	97
25) Bromochloromethane	3.343	128	25460	10.879	ug/l	92
27) Chloroform	3.390	83	135727	11.012	ug/l	98
28) Carbon Tetrachloride	3.495	117	89064	11.477	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	17441	24.485	ug/l	95
30) 1,1,1-Trichloroethane	3.537	97	119180	11.771	ug/l	99
32) Methyl Ethyl Ketone	3.594	43	11983	12.718	ug/l	79
34) 1,1-Dichloropropene	3.615	75	110998	11.932	ug/l	97
35) Benzene	3.777	78	310143	10.766	ug/l	99
37) 1,2-Dichloroethane	3.908	62	65374	10.865	ug/l	96
39) Trichloroethene	4.170	130	134112	18.799	ug/l	100
40) Dibromomethane	4.452	93	24335	10.597	ug/l	98
41) 1,2-dichloropropane	4.520	63	73437	10.703	ug/l	97
42) Bromodichloromethane	4.562	83	74251	10.733	ug/l	99
43) cis-1,3-Dichloropropene	4.996	75	89937	10.132	ug/l	99
44) Toluene	5.168	92	184986	10.723	ug/l	100
46) 4-Methyl-2-Pentanone	5.435	43	24877	11.336	ug/l	93
47) Tetrachloroethene	5.446	164	718510	140.111	ug/l	98
48) trans-1,3-Dichloropropene	5.456	75	62925	10.091	ug/l	95
49) 1,1,2-Trichloroethane	5.571	97	31562	10.537	ug/l	89

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_51.D
 Acq On : 6 Feb 2024 3:04 am
 Operator :
 Client ID : CP99720 MS
 Lab ID : CP99720 MS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:19 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

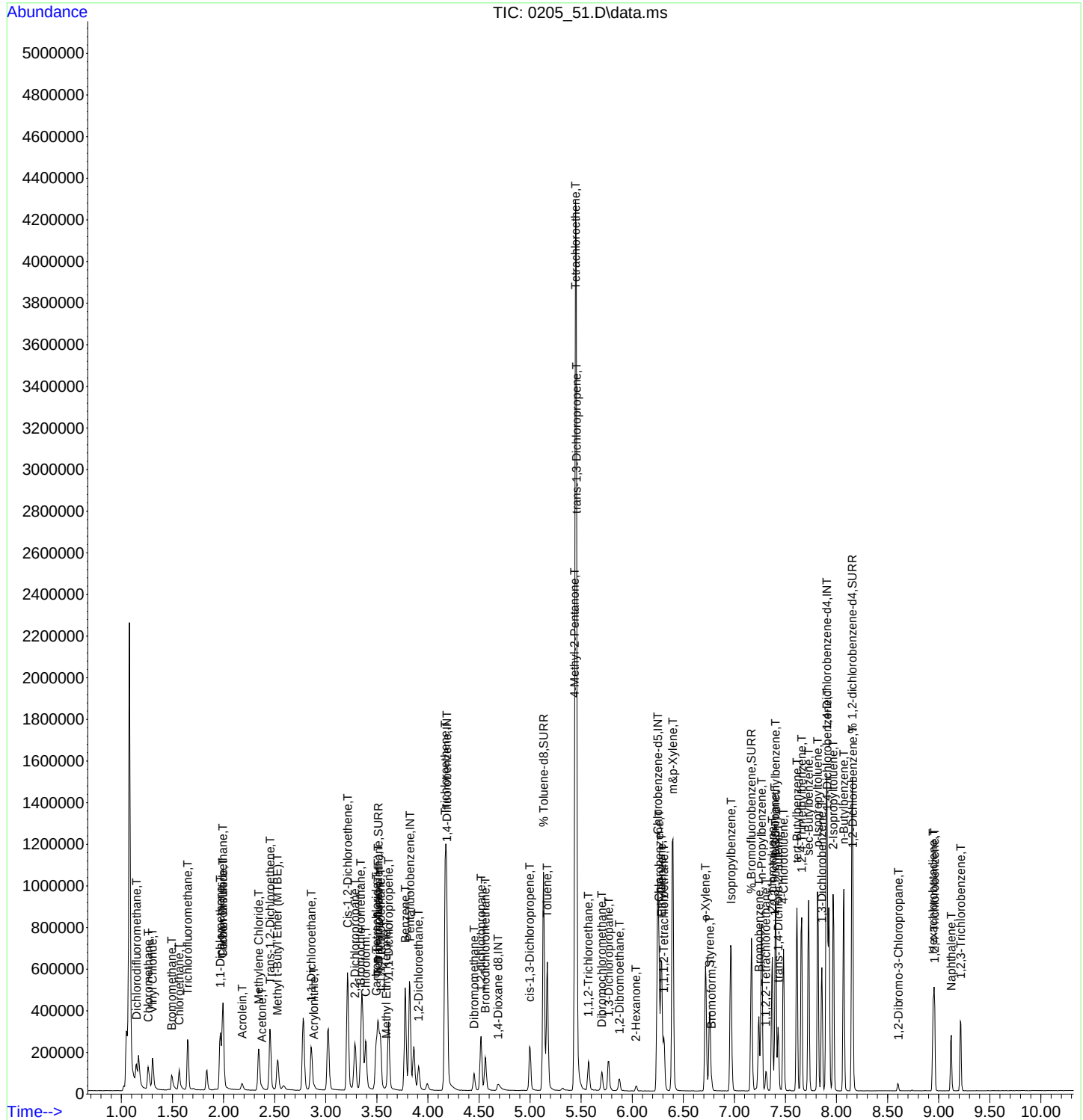
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	36244	10.656	ug/l	98
52) 1,3-Dichloropropane	5.770	76	59176	10.876	ug/l	97
53) 1,2-Dibromoethane	5.875	107	29689	11.028	ug/l	99
54) 2-Hexanone	6.037	43	13107	10.273	ug/l	91
55) Chlorobenzene	6.262	112	174588	10.427	ug/l	97
56) Ethylbenzene	6.288	106	103579	10.713	ug/l	96
57) 1,1,1,2-Tetrachloroethane	6.309	131	45222	9.809	ug/l	97
58) m&p-Xylene	6.398	106	261668	21.491	ug/l	100
59) o-Xylene	6.717	106	121725	10.462	ug/l	97
60) Styrene	6.758	104	131722	7.532	ug/l	98
61) Bromoform	6.774	173	12244	9.111	ug/l	100
65) Isopropylbenzene	6.968	120	91686	10.358	ug/l	97
66) Bromobenzene	7.240	156	64912	9.848	ug/l	89
67) n-Propylbenzene	7.266	120	96055	10.386	ug/l#	85
68) 1,1,2,2-Tetrachloroethane	7.308	83	32439	10.400	ug/l	98
69) 2-Chlorotoluene	7.370	126	79390	9.994	ug/l#	83
70) 1,3,5-Trimethylbenzene	7.402	105	291284	10.179	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	27950	10.592	ug/l	83
72) trans-1,4-Dichloro-2-b...	7.428	75	43843	41.169	ug/l	89
73) 4-Chlorotoluene	7.480	126	81705	10.086	ug/l	93
74) tert-Butylbenzene	7.611	119	255145	10.629	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	294420	10.149	ug/l	99
76) sec-Butylbenzene	7.726	105	393857	11.080	ug/l	97
77) p-Isopropyltoluene	7.815	119	336341	10.784	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	146501	10.083	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	143399	10.336	ug/l	99
81) 2-Isopropyltoluene	7.967	119	317922	10.763	ug/l	99
82) n-Butylbenzene	8.071	91	319344	11.213	ug/l	98
83) 1,2-Dichlorobenzene	8.160	146	124197	10.539	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	3920	10.270	ug/l	93
85) Hexachlorobutadiene	8.945	225	38431	10.847	ug/l	99
86) 1,2,4-Trichlorobenzene	8.960	180	71959	10.364	ug/l	96
87) Naphthalene	9.123	128	118121	10.985	ug/l	99
88) 1,2,3-Trichlorobenzene	9.217	180	59483	11.001	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

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Data Path : H:\V2024\CHEM02\02FEB\020524\  
Data File : 0205_51.D  
Acq On : 6 Feb 2024 3:04 am  
Operator :  
Client ID : CP99720 MS  
Lab ID : CP99720 MS  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Feb 06 12:42:19 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:31:38 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 MSD 10X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 MSD 10X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_50.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 10

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	120		2.5	2.5	
74-87-3	Chloromethane	100		2.5	2.5	
75-01-4	Vinyl Chloride	130		2.5	2.5	
74-83-9	Bromomethane	98		2.5	2.5	
75-00-3	Chloroethane	130		2.5	2.5	
75-69-4	Trichlorofluoromethane	150		2.5	2.5	
75-35-4	1,1-Dichloroethene	130		2.5	2.5	
76-13-1	Trichlorotrifluoroethane	140		2.5	2.5	
75-15-0	Carbon Disulfide	120		2.5	2.5	
107-02-8	Acrolein	710		25	25	
75-09-2	Methylene Chloride	110		10	10	
67-64-1	Acetone	120		25	25	
156-60-5	Trans-1,2-Dichloroethene	120		2.5	2.5	
1634-04-4	Methyl t-Butyl Ether (MTBE)	110		2.5	2.5	
75-34-3	1,1-Dichloroethane	120		2.5	2.5	
107-13-1	Acrylonitrile	110		25	25	
156-59-2	Cis-1,2-Dichloroethene	120		2.5	2.5	
594-20-7	2,2-Dichloropropane	100		2.5	2.5	
74-97-5	Bromochloromethane	110		2.5	2.5	
67-66-3	Chloroform	110		2.5	2.5	
56-23-5	Carbon Tetrachloride	120		2.5	2.5	
109-99-9	Tetrahydrofuran (THF)	260		25	25	
71-55-6	1,1,1-Trichloroethane	120		2.5	2.5	
78-93-3	Methyl Ethyl Ketone	110		25	25	
563-58-6	1,1-Dichloropropene	120		2.5	2.5	
71-43-2	Benzene	110		2.5	2.5	
107-06-2	1,2-Dichloroethane	110		5.0	5.0	
79-01-6	Trichloroethene	120		2.5	2.5	
74-95-3	Dibromomethane	110		2.5	2.5	
78-87-5	1,2-dichloropropane	110		2.5	2.5	
75-27-4	Bromodichloromethane	110		2.5	2.5	
10061-01-5	cis-1,3-Dichloropropene	100		2.5	2.5	
108-88-3	Toluene	110		2.5	2.5	
108-10-1	4-Methyl-2-Pentanone	110		25	25	
127-18-4	Tetrachloroethene	240		2.5	2.5	r
10061-02-6	trans-1,3-Dichloropropene	100		2.5	2.5	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 MSD 10X

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 MSD 10X

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_50.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 10

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	110		2.5	2.5	
124-48-1	Dibromochloromethane	110		2.5	2.5	
142-28-9	1,3-Dichloropropane	110		2.5	2.5	
106-93-4	1,2-Dibromoethane	120		2.5	2.5	
591-78-6	2-Hexanone	100		25	25	
108-90-7	Chlorobenzene	110		2.5	2.5	
100-41-4	Ethylbenzene	110		2.5	2.5	
630-20-6	1,1,1,2-Tetrachloroethane	100		2.5	2.5	
179601-23-1	m&p-Xylene	220		2.5	2.5	
95-47-6	o-Xylene	110		2.5	2.5	
100-42-5	Styrene	110		2.5	2.5	
75-25-2	Bromoform	93		2.5	2.5	
98-82-8	Isopropylbenzene	110		2.5	2.5	
108-86-1	Bromobenzene	100		2.5	2.5	
103-65-1	n-Propylbenzene	110		2.5	2.5	
79-34-5	1,1,2,2-Tetrachloroethane	110		2.5	2.5	
95-49-8	2-Chlorotoluene	110		2.5	2.5	
108-67-8	1,3,5-Trimethylbenzene	110		2.5	2.5	
96-18-4	1,2,3-Trichloropropane	110		2.5	2.5	
110-57-6	trans-1,4-Dichloro-2-butene	420		25	25	
106-43-4	4-Chlorotoluene	110		2.5	2.5	
98-06-6	tert-Butylbenzene	110		2.5	2.5	
95-63-6	1,2,4-Trimethylbenzene	110		2.5	2.5	
135-98-8	sec-Butylbenzene	120		2.5	2.5	
99-87-6	p-Isopropyltoluene	110		2.5	2.5	
541-73-1	1,3-Dichlorobenzene	110		2.5	2.5	
106-46-7	1,4-Dichlorobenzene	110		2.5	2.5	
527-84-4	2-Isopropyltoluene	110		2.5	2.5	
104-51-8	n-Butylbenzene	120		2.5	2.5	
95-50-1	1,2-Dichlorobenzene	110		2.5	2.5	
96-12-8	1,2-Dibromo-3-Chloropropane	110		5.0	5.0	
87-68-3	Hexachlorobutadiene	110		2.0	2.0	
120-82-1	1,2,4-Trichlorobenzene	110		2.5	2.5	
91-20-3	Naphthalene	110		10	10	
87-61-6	1,2,3-Trichlorobenzene	110		2.5	2.5	

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_50.D
 Acq On : 6 Feb 2024 2:41 am
 Operator :
 Client ID : CP99720 MSD 10X
 Lab ID : CP99720 MSD 10X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:16 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.819	168	238499	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	392169	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	321568	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	196216	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	23813	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	18873	10.062	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.60%		
45) % Toluene-d8	5.132	98	480504	9.980	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.80%		
62) % Bromofluorobenzene	7.166	95	164035	10.075	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.70%		
64) % 1,2-dichlorobenzene-d4	8.155	152	164358	10.068	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.70%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.146	85	82856	11.675	ug/l	100
3) Chloromethane	1.261	50	104931	10.194	ug/l	100
4) Vinyl Chloride	1.303	62	106611	12.518	ug/l	98
5) Bromomethane	1.492	94	37655	9.792	ug/l	98
6) Chloroethane	1.565	64	64162	12.509	ug/l	95
7) Trichlorofluoromethane	1.648	101	132182	14.908	ug/l	99
9) 1,1-Dichloroethene	1.968	96	69703	12.741	ug/l	98
10) Trichlorotrifluoroethane	1.994	151	51785	14.325	ug/l	96
11) Carbon Disulfide	1.994	76	210093	12.106	ug/l	99
12) Acrolein	2.182	56	23113	70.577	ug/l	95
13) Methylene Chloride	2.344	84	66614	10.721	ug/l	91
14) Acetone	2.375	43	7724	12.052	ug/l	98
15) Trans-1,2-Dichloroethene	2.454	96	74983	11.586	ug/l	95
17) Methyl t-Butyl Ether (...)	2.527	73	101961	11.132	ug/l	99
19) 1,1-Dichloroethane	2.857	63	154445	11.666	ug/l	99
20) Acrylonitrile	2.883	53	8660	11.075	ug/l	95
23) Cis-1,2-Dichloroethene	3.212	96	84577	12.341	ug/l	97
24) 2,2-Dichloropropane	3.286	77	104342	10.145	ug/l	98
25) Bromochloromethane	3.343	128	24702	11.056	ug/l	89
27) Chloroform	3.390	83	133834	11.374	ug/l	99
28) Carbon Tetrachloride	3.490	117	87134	11.761	ug/l	98
29) Tetrahydrofuran (THF)	3.510	42	17550	25.807	ug/l	98
30) 1,1,1-Trichloroethane	3.531	97	117683	12.175	ug/l	98
32) Methyl Ethyl Ketone	3.594	43	10211	11.352	ug/l	86
34) 1,1-Dichloropropene	3.615	75	110072	12.282	ug/l	97
35) Benzene	3.777	78	309699	11.159	ug/l	99
37) 1,2-Dichloroethane	3.908	62	65869	11.363	ug/l	98
39) Trichloroethene	4.169	130	82675	12.028	ug/l	96
40) Dibromomethane	4.452	93	24278	10.973	ug/l	97
41) 1,2-dichloropropane	4.520	63	72846	11.020	ug/l	96
42) Bromodichloromethane	4.562	83	74035	11.108	ug/l	98
43) cis-1,3-Dichloropropene	4.996	75	89537	10.469	ug/l	98
44) Toluene	5.168	92	184923	11.127	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	23930	11.318	ug/l	97
47) Tetrachloroethene	5.446	164	119098	24.106	ug/l	96
48) trans-1,3-Dichloropropene	5.456	75	62090	10.335	ug/l	96
49) 1,1,2-Trichloroethane	5.571	97	32182	11.152	ug/l	91

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_50.D
 Acq On : 6 Feb 2024 2:41 am
 Operator :
 Client ID : CP99720 MSD 10X
 Lab ID : CP99720 MSD 10X
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:16 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

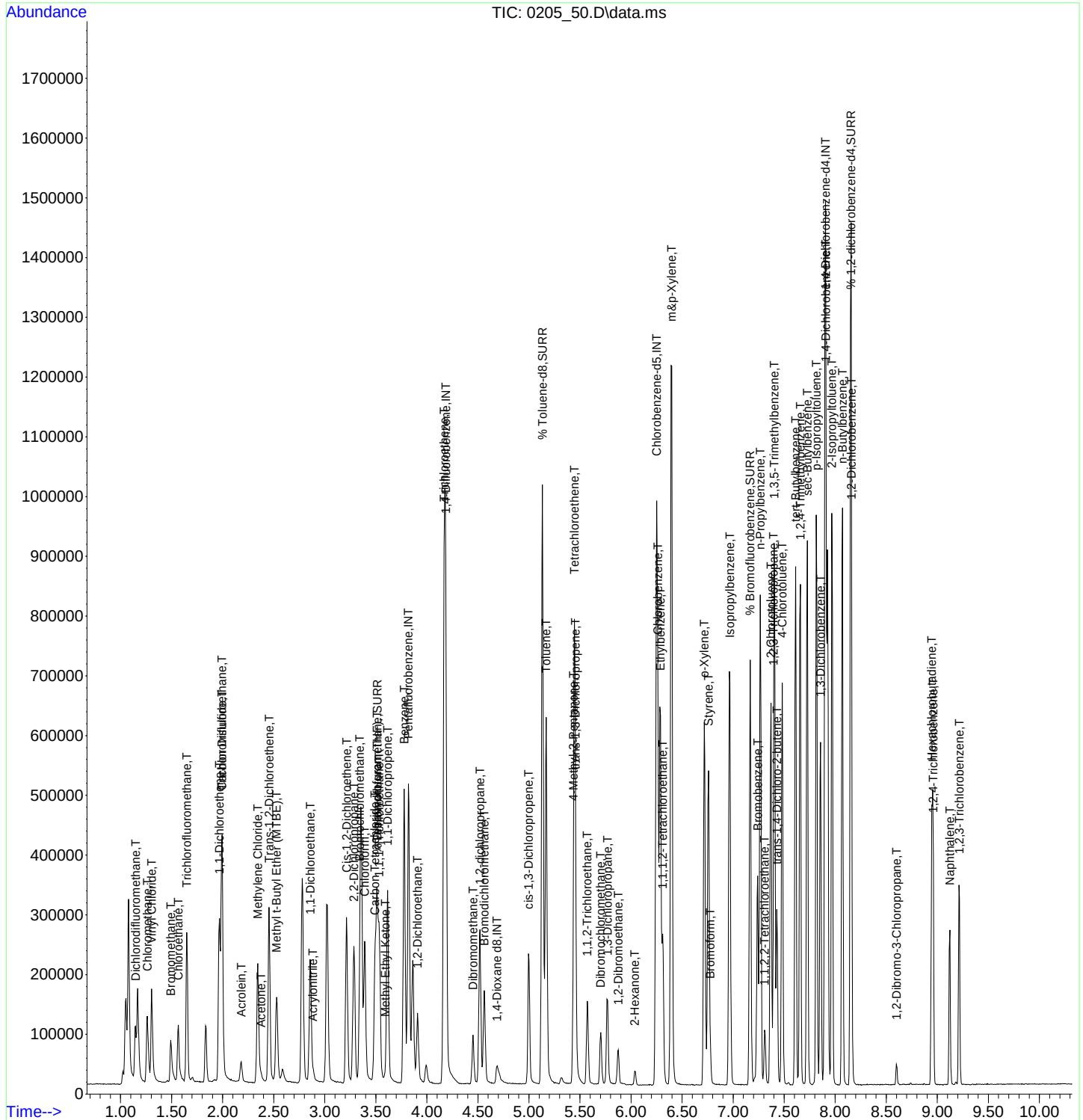
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	34571	10.601	ug/l	100
52) 1,3-Dichloropropane	5.770	76	59089	11.327	ug/l	98
53) 1,2-Dibromoethane	5.875	107	30003	11.623	ug/l	97
54) 2-Hexanone	6.037	43	12767	10.436	ug/l	95
55) Chlorobenzene	6.262	112	176248	10.978	ug/l	96
56) Ethylbenzene	6.288	106	104128	11.232	ug/l	100
57) 1,1,1,2-Tetrachloroethane	6.309	131	44700	10.112	ug/l	95
58) m&p-Xylene	6.398	106	261257	22.379	ug/l	99
59) o-Xylene	6.717	106	120942	10.841	ug/l	97
60) Styrene	6.758	104	188634	11.250	ug/l	98
61) Bromoform	6.774	173	12022	9.330	ug/l	99
65) Isopropylbenzene	6.968	120	91576	10.794	ug/l	96
66) Bromobenzene	7.240	156	65271	10.332	ug/l	91
67) n-Propylbenzene	7.266	120	96281	10.862	ug/l#	85
68) 1,1,2,2-Tetrachloroethane	7.308	83	31852	10.654	ug/l	97
69) 2-Chlorotoluene	7.370	126	80027	10.511	ug/l	85
70) 1,3,5-Trimethylbenzene	7.402	105	294986	10.756	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	27345	10.812	ug/l	84
72) trans-1,4-Dichloro-2-b...	7.428	75	42938	42.067	ug/l	91
73) 4-Chlorotoluene	7.480	126	81636	10.515	ug/l	94
74) tert-Butylbenzene	7.611	119	255740	11.116	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	298861	10.749	ug/l	99
76) sec-Butylbenzene	7.726	105	395026	11.595	ug/l	97
77) p-Isopropyltoluene	7.815	119	336432	11.255	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	146158	10.495	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	143235	10.771	ug/l	99
81) 2-Isopropyltoluene	7.967	119	319957	11.302	ug/l	99
82) n-Butylbenzene	8.071	91	321166	11.766	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	122798	10.872	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.599	155	3976	10.868	ug/l	82
85) Hexachlorobutadiene	8.945	225	38707	11.399	ug/l	98
86) 1,2,4-Trichlorobenzene	8.960	180	71260	10.709	ug/l	96
87) Naphthalene	9.123	128	112500	10.916	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	58181	11.227	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

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Data Path : H:\V2024\CHEM02\02FEB\020524\  
Data File : 0205_50.D  
Acq On : 6 Feb 2024 2:41 am  
Operator :  
Client ID : CP99720 MSD 10X  
Lab ID : CP99720 MSD 10X  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Feb 06 12:42:16 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:31:38 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 MSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 MSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_52.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	11		0.25	0.25	r
74-87-3	Chloromethane	10		0.25	0.25	r
75-01-4	Vinyl Chloride	12		0.25	0.25	r
74-83-9	Bromomethane	11		0.25	0.25	r
75-00-3	Chloroethane	12		0.25	0.25	r
75-69-4	Trichlorofluoromethane	14		0.25	0.25	r
75-35-4	1,1-Dichloroethene	13		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	15		0.25	0.25	r
75-15-0	Carbon Disulfide	12		0.25	0.25	r
107-02-8	Acrolein	67		2.5	2.5	r
75-09-2	Methylene Chloride	11		1.0	1.0	r
67-64-1	Acetone	13		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	12		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	12		0.25	0.25	r
75-34-3	1,1-Dichloroethane	12		0.25	0.25	r
107-13-1	Acrylonitrile	12		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	25		0.25	0.25	r
594-20-7	2,2-Dichloropropane	9.9		0.25	0.25	r
74-97-5	Bromochloromethane	11		0.25	0.25	r
67-66-3	Chloroform	12		0.25	0.25	r
56-23-5	Carbon Tetrachloride	12		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	27		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	12		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	12		2.5	2.5	r
563-58-6	1,1-Dichloropropene	13		0.25	0.25	r
71-43-2	Benzene	11		0.25	0.25	r
107-06-2	1,2-Dichloroethane	11		0.50	0.50	r
79-01-6	Trichloroethene	20		0.25	0.25	r
74-95-3	Dibromomethane	11		0.25	0.25	r
78-87-5	1,2-dichloropropane	11		0.25	0.25	r
75-27-4	Bromodichloromethane	11		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	11		0.25	0.25	r
108-88-3	Toluene	11		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	12		2.5	2.5	r
127-18-4	Tetrachloroethene	150		0.25	0.25	
10061-02-6	trans-1,3-Dichloropropene	11		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 MSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 MSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_52.D

Level: (low/med/meth): Med Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	11		0.25	0.25	r
124-48-1	Dibromochloromethane	11		0.25	0.25	r
142-28-9	1,3-Dichloropropane	12		0.25	0.25	r
106-93-4	1,2-Dibromoethane	12		0.25	0.25	r
591-78-6	2-Hexanone	11		2.5	2.5	r
108-90-7	Chlorobenzene	11		0.25	0.25	r
100-41-4	Ethylbenzene	11		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	10		0.25	0.25	r
179601-23-1	m&p-Xylene	23		0.25	0.25	r
95-47-6	o-Xylene	11		0.25	0.25	r
100-42-5	Styrene	7.9		0.25	0.25	r
75-25-2	Bromoform	9.5		0.25	0.25	r
98-82-8	Isopropylbenzene	11		0.25	0.25	r
108-86-1	Bromobenzene	10		0.25	0.25	r
103-65-1	n-Propylbenzene	11		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	11		0.25	0.25	r
95-49-8	2-Chlorotoluene	11		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	11		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	11		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	43		2.5	2.5	r
106-43-4	4-Chlorotoluene	11		0.25	0.25	r
98-06-6	tert-Butylbenzene	11		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	11		0.25	0.25	r
135-98-8	sec-Butylbenzene	12		0.25	0.25	r
99-87-6	p-Isopropyltoluene	11		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	11		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	11		0.25	0.25	r
527-84-4	2-Isopropyltoluene	11		0.25	0.25	r
104-51-8	n-Butylbenzene	12		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	11		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	11		0.50	0.50	r
87-68-3	Hexachlorobutadiene	11		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	11		0.25	0.25	r
91-20-3	Naphthalene	11		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	12		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_52.D
 Acq On : 6 Feb 2024 3:28 am
 Operator :
 Client ID : CP99720 MSD
 Lab ID : CP99720 MSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:22 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	234537	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	383978	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	315809	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	193246	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	23582	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	18538	10.050	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.50%	
45) % Toluene-d8	5.132	98	472798	10.030	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.30%	
62) % Bromofluorobenzene	7.167	95	162716	10.176	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.80%	
64) % 1,2-dichlorobenzene-d4	8.155	152	163376	10.162	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.60%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	75324	10.793	ug/l	100
3) Chloromethane	1.262	50	102658	10.141	ug/l	100
4) Vinyl Chloride	1.303	62	100889	12.046	ug/l	99
5) Bromomethane	1.492	94	40661	10.752	ug/l	98
6) Chloroethane	1.565	64	61318	12.156	ug/l	96
7) Trichlorofluoromethane	1.649	101	126211	14.475	ug/l	100
9) 1,1-Dichloroethene	1.968	96	68658	12.762	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	52154	14.671	ug/l	97
11) Carbon Disulfide	1.994	76	204863	12.004	ug/l	100
12) Acrolein	2.182	56	21429	66.540	ug/l	94
13) Methylene Chloride	2.344	84	64345	10.531	ug/l	93
14) Acetone	2.376	43	8004	12.700	ug/l	99
15) Trans-1,2-Dichloroethene	2.454	96	75085	11.798	ug/l	97
17) Methyl t-Butyl Ether (...)	2.533	73	103701	11.513	ug/l	100
19) 1,1-Dichloroethane	2.857	63	152091	11.683	ug/l	99
20) Acrylonitrile	2.883	53	9142	11.889	ug/l	92
23) Cis-1,2-Dichloroethene	3.212	96	170651	25.320	ug/l	97
24) 2,2-Dichloropropane	3.286	77	99687	9.856	ug/l	98
25) Bromochloromethane	3.343	128	24919	11.341	ug/l	91
27) Chloroform	3.390	83	133711	11.556	ug/l	98
28) Carbon Tetrachloride	3.495	117	89643	12.304	ug/l	100
29) Tetrahydrofuran (THF)	3.511	42	17936	26.820	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	116219	12.226	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	10448	11.812	ug/l	87
34) 1,1-Dichloropropene	3.615	75	110414	12.583	ug/l	97
35) Benzene	3.777	78	308623	11.357	ug/l	100
37) 1,2-Dichloroethane	3.908	62	65203	11.488	ug/l	98
39) Trichloroethene	4.170	130	132505	19.690	ug/l	99
40) Dibromomethane	4.452	93	24247	11.193	ug/l	95
41) 1,2-dichloropropane	4.520	63	72910	11.265	ug/l	96
42) Bromodichloromethane	4.562	83	73911	11.326	ug/l	99
43) cis-1,3-Dichloropropene	4.996	75	90137	10.764	ug/l	100
44) Toluene	5.169	92	183607	11.283	ug/l	99
46) 4-Methyl-2-Pentanone	5.430	43	24550	11.859	ug/l	93
47) Tetrachloroethene	5.446	164	711001	146.980	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	62324	10.595	ug/l	95
49) 1,1,2-Trichloroethane	5.571	97	30916	10.942	ug/l	93

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_52.D
 Acq On : 6 Feb 2024 3:28 am
 Operator :
 Client ID : CP99720 MSD
 Lab ID : CP99720 MSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:42:22 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	35886	11.205	ug/l	100
52) 1,3-Dichloropropane	5.770	76	59343	11.583	ug/l	97
53) 1,2-Dibromoethane	5.875	107	29330	11.570	ug/l	100
54) 2-Hexanone	6.042	43	12868	10.711	ug/l	94
55) Chlorobenzene	6.262	112	174353	11.058	ug/l	96
56) Ethylbenzene	6.288	106	102639	11.273	ug/l	100
57) 1,1,1,2-Tetrachloroethane	6.309	131	44927	10.349	ug/l	96
58) m&p-Xylene	6.398	106	259995	22.677	ug/l	100
59) o-Xylene	6.717	106	119584	10.915	ug/l	97
60) Styrene	6.759	104	130312	7.913	ug/l	98
61) Bromoform	6.774	173	12025	9.502	ug/l	97
65) Isopropylbenzene	6.968	120	90731	10.859	ug/l	96
66) Bromobenzene	7.240	156	64965	10.441	ug/l	90
67) n-Propylbenzene	7.266	120	94909	10.872	ug/l#	86
68) 1,1,2,2-Tetrachloroethane	7.308	83	31713	10.771	ug/l	98
69) 2-Chlorotoluene	7.370	126	79788	10.641	ug/l	85
70) 1,3,5-Trimethylbenzene	7.402	105	287954	10.661	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	27327	10.971	ug/l	84
72) trans-1,4-Dichloro-2-b...	7.428	75	43486	43.258	ug/l	91
73) 4-Chlorotoluene	7.480	126	82288	10.762	ug/l	96
74) tert-Butylbenzene	7.611	119	252665	11.151	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	294258	10.746	ug/l	99
76) sec-Butylbenzene	7.726	105	391067	11.655	ug/l	97
77) p-Isopropyltoluene	7.815	119	330141	11.214	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	147082	10.724	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	142872	10.909	ug/l	99
81) 2-Isopropyltoluene	7.967	119	315438	11.313	ug/l	99
82) n-Butylbenzene	8.071	91	319420	11.882	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	122581	11.020	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.600	155	3807	10.566	ug/l#	85
85) Hexachlorobutadiene	8.945	225	38145	11.406	ug/l	99
86) 1,2,4-Trichlorobenzene	8.960	180	73404	11.200	ug/l	96
87) Naphthalene	9.123	128	116070	11.435	ug/l	99
88) 1,2,3-Trichlorobenzene	9.217	180	59028	11.565	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

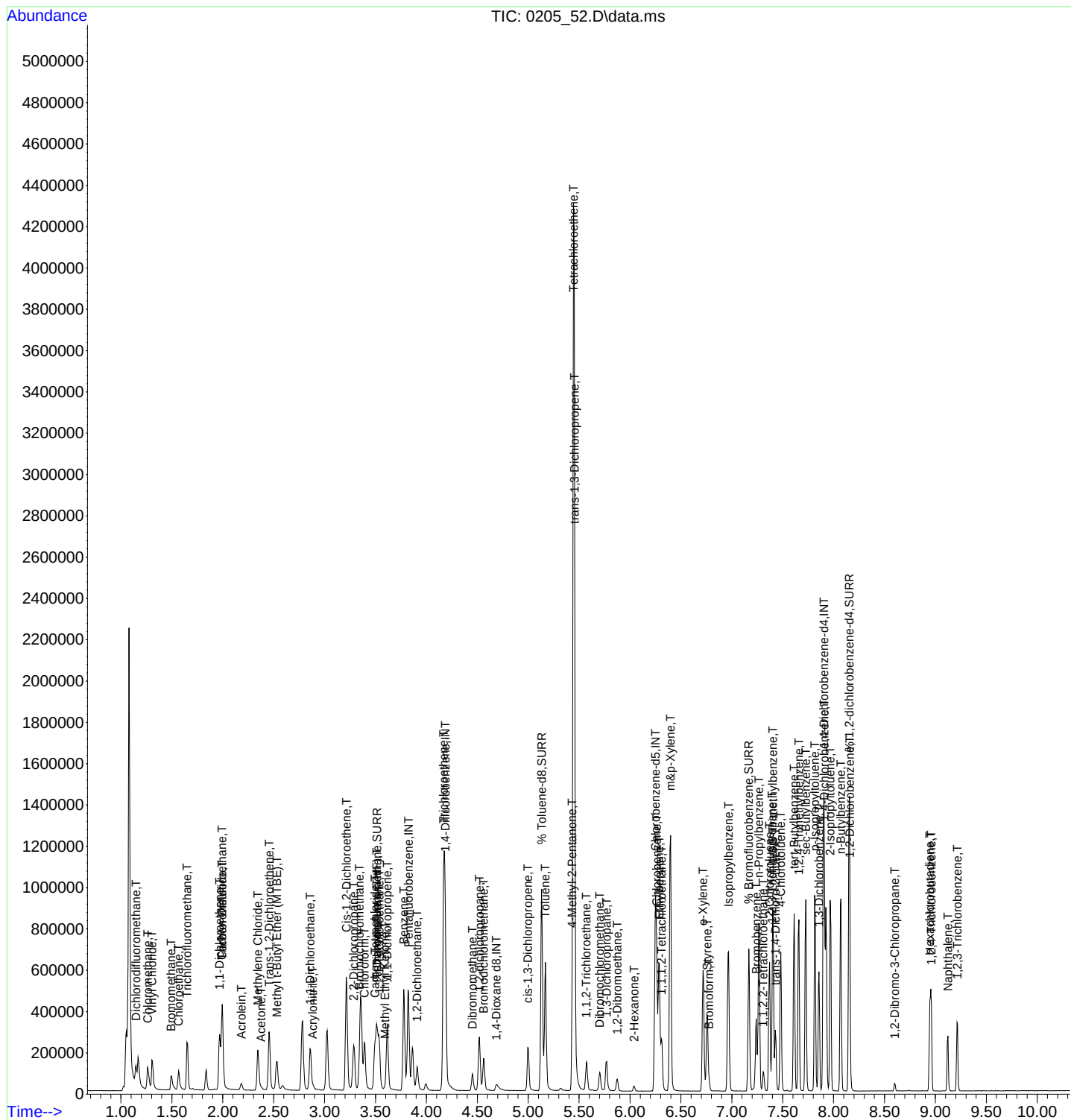
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Data Path   : H:\V2024\CHEM02\02FEB\020524\
Data File   : 0205_52.D
Acq On      : 6 Feb 2024    3:28 am
Operator    :
Client ID    : CP99720 MSD
Lab ID      : CP99720 MSD
ALS Vial    : 1    Sample Multiplier: 1

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Quant Time: Feb 06 12:42:22 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Feb 06 08:31:38 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 QC

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_48.D

Level: (low/med/meth): Low Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	14		0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	7.4		0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	130	E	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 QC

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_48.D

Level: (low/med/meth): Low Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/06/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_48.D
 Acq On : 6 Feb 2024 1:53 am
 Operator :
 Client ID : CP99720 QC
 Lab ID : CP99720 QC
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 14:44:40 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

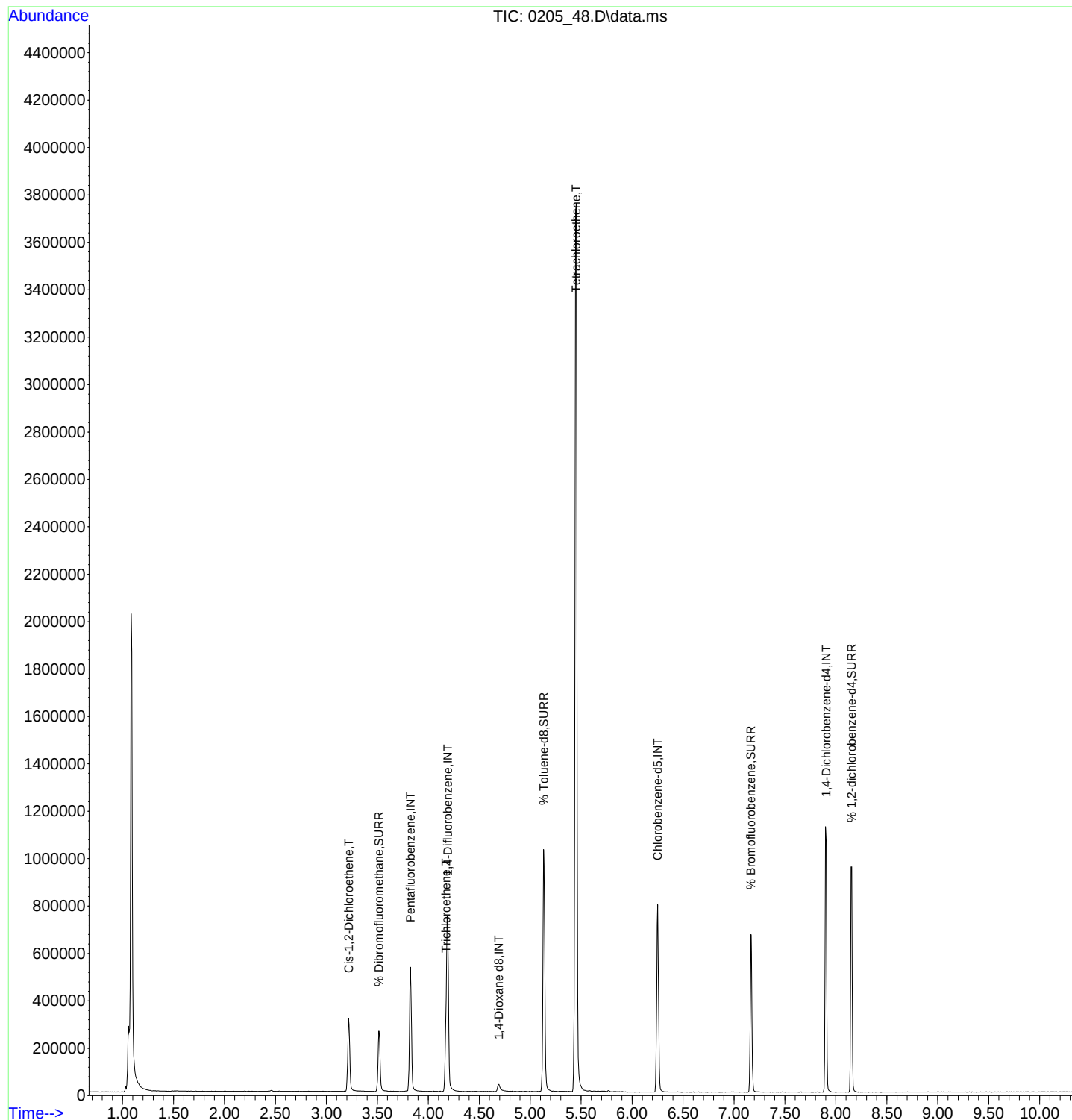
Internal Standards						
1) Pentafluorobenzene	3.824	168	243153	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.190	114	399483	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	319629	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	184914	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.693	96	24015	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	19369	10.128	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.30%		
45) % Toluene-d8	5.132	98	490930	10.010	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.10%		
62) % Bromofluorobenzene	7.166	95	156277	9.656	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.60%		
64) % 1,2-dichlorobenzene-d4	8.155	152	156749	10.189	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.90%		
Target Compounds						
23) Cis-1,2-Dichloroethene	3.218	96	96046	13.746	ug/l	96
39) Trichloroethene	4.175	130	51892	7.412	ug/l	93
47) Tetrachloroethene	5.451	164	642802	127.724	ug/l	98

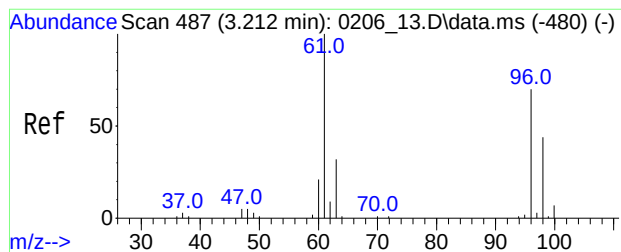
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Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
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 Acq On : 6 Feb 2024 1:53 am
 Operator :
 Client ID : CP99720 QC
 Lab ID : CP99720 QC
 ALS Vial : 1 Sample Multiplier: 1

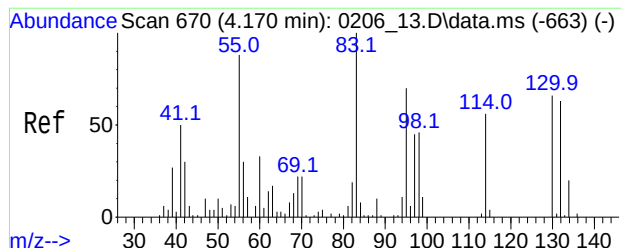
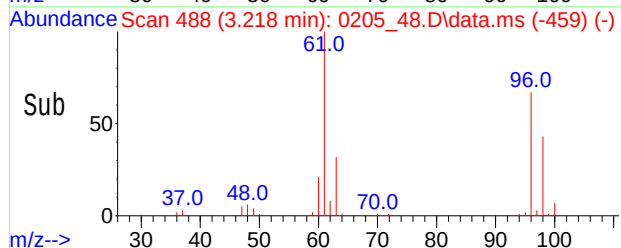
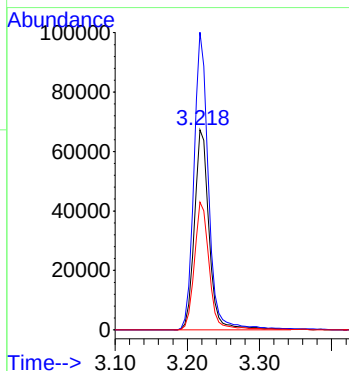
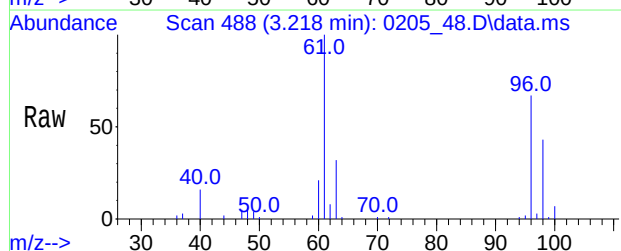
Quant Time: Feb 06 14:44:40 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration





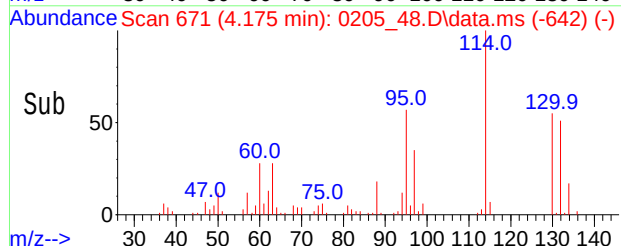
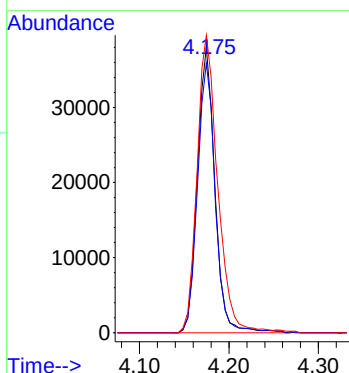
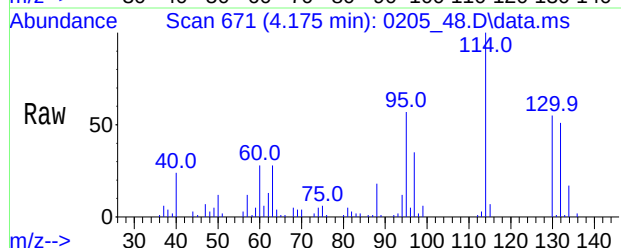
#23
Cis-1,2-Dichloroethene
Conc: 8\$ 13.746 ug/l
RT: 3.218 min Scan# 488
Delta R.T. -0.000 min
Lab File: 0205_48.D
Acq: 6 Feb 2024 1:53 am

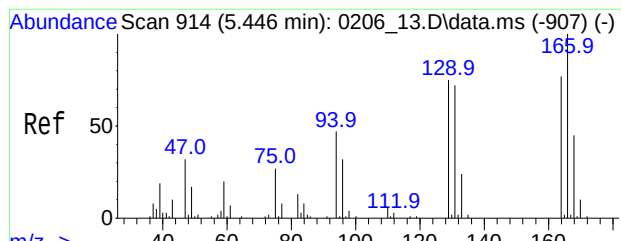
Tgt Ion: 96 Resp: 96046
Ion Ratio Lower Upper
96 100
61 146.7 109.2 169.2
98 64.1 34.1 94.1



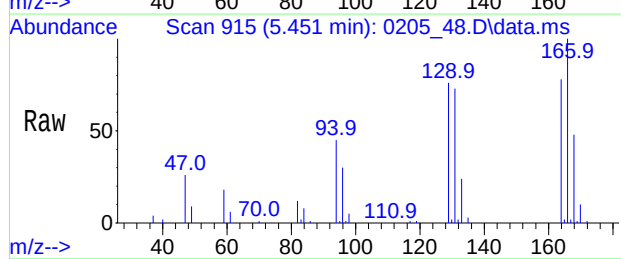
#39
Trichloroethene
Conc: 8\$ 7.412 ug/l
RT: 4.175 min Scan# 671
Delta R.T. -0.000 min
Lab File: 0205_48.D
Acq: 6 Feb 2024 1:53 am

Tgt Ion: 130 Resp: 51892
Ion Ratio Lower Upper
130 100
132 95.9 65.5 125.5
95 122.8 79.3 139.3

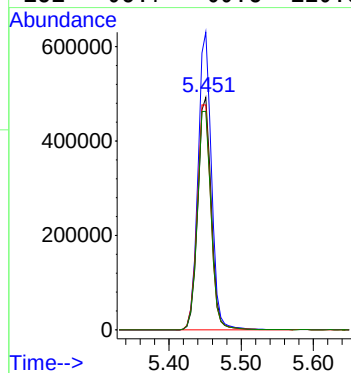
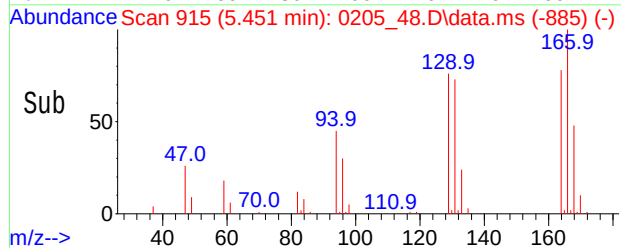




#47
Tetrachloroethene
Conc: 8\$ 127.724 ug/l
RT: 5.451 min Scan# 915
Delta R.T. 0.005 min
Lab File: 0205_48.D
Acq: 6 Feb 2024 1:53 am



Tgt Ion:	164	Resp:	642802
Ion Ratio	Lower	Upper	
164	100		
166	127.2	97.7	157.7
129	99.1	72.2	132.2
131	95.7	69.3	129.3



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_32.D

Level: (low/med/meth): Low Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	1.0	U	0.25	1.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	1.0	U	0.25	1.0	r
75-00-3	Chloroethane	1.0	U	0.25	1.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	1.0	U	1.0	1.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	1.0	U	0.25	1.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	1.0	U	0.25	1.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	1.0	U	0.25	1.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	2.5	U	2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	1.0	U	0.25	1.0	r
78-93-3	Methyl Ethyl Ketone	5.0	U	2.5	5.0	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	1.0	U	0.25	1.0	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	0.50	U	0.25	0.50	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	5.0	U	2.5	5.0	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CP99720 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCP97096 Lab Sample ID: CP99720 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0205_32.D

Level: (low/med/meth): Low Date Received: 02/02/24

% Moisture: n.a. Date Analyzed: 02/05/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	0.50	U	0.25	0.50	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	5.0	U	2.5	5.0	r
108-90-7	Chlorobenzene	1.0	U	0.25	1.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	1.0	U	0.25	1.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.10	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.25	0.50	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U	2.5	5.0	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.40	U	0.25	0.40	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_32.D
 Acq On : 5 Feb 2024 7:29 pm
 Operator :
 Client ID : CP99720 BLANK
 Lab ID : CP99720 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:22 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	3.824	168	257354	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	415775	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	339136	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	189933	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	24545	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	20328	10.043	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.40%		
45) % Toluene-d8	5.132	98	508403	9.960	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.60%		
62) % Bromofluorobenzene	7.167	95	162712	9.476	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.80%		
64) % 1,2-dichlorobenzene-d4	8.155	152	161589	10.226	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.30%		

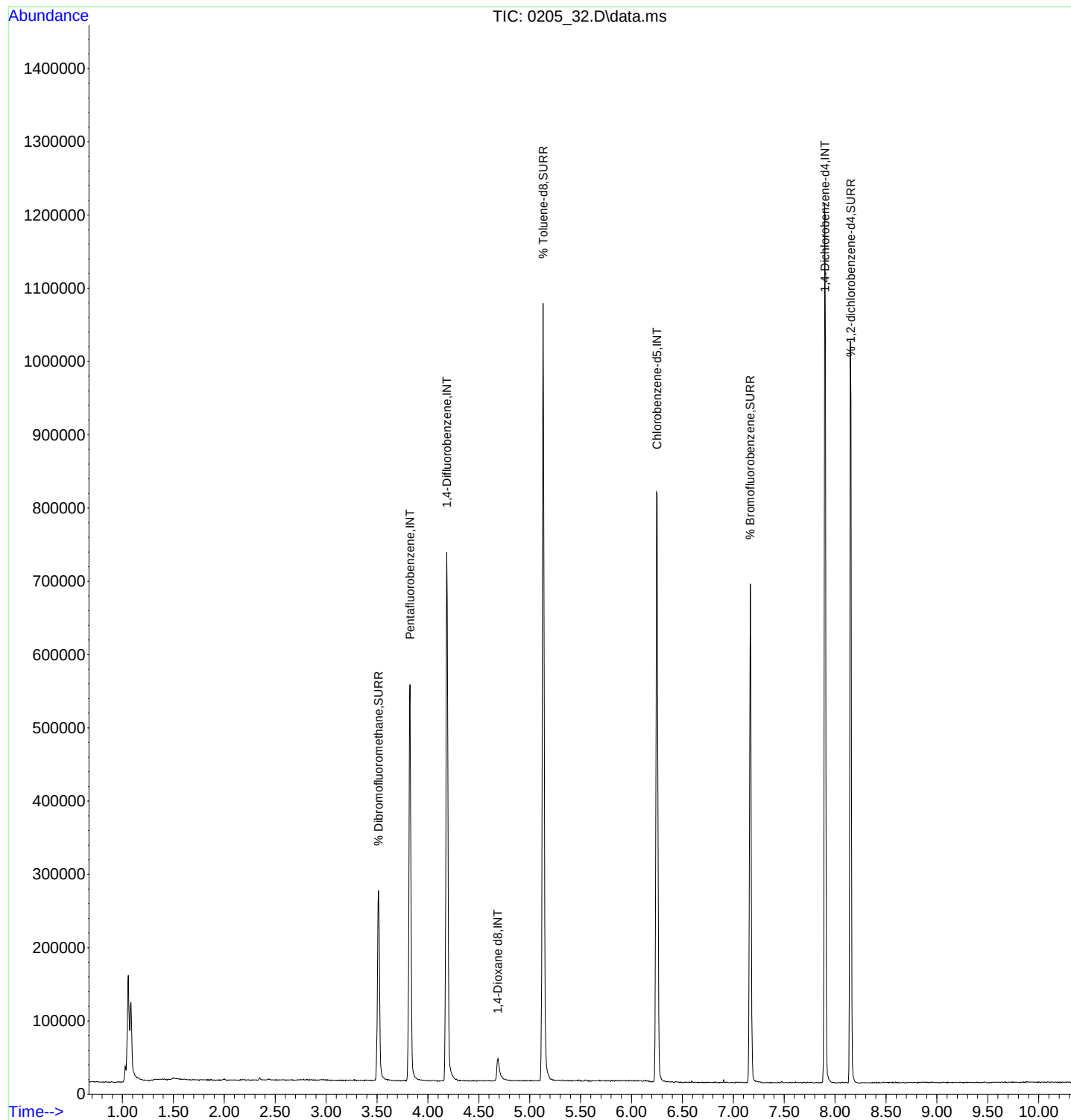
Target Compounds Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020524\
 Data File : 0205_32.D
 Acq On : 5 Feb 2024 7:29 pm
 Operator :
 Client ID : CP99720 BLANK
 Lab ID : CP99720 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 12:41:22 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020324.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Feb 06 08:31:38 2024
 Response via : Initial Calibration



Injection Log

Data Directory: H:\V2024\CHEM02\02FEB\020324\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0203_05.D	XXXXXXXXXX		02/03/24 12:54
2)	1	0203_06.D	XXXXXXXXXX		02/03/24 13:18
3)	1	0203_07.D	BFB TUNE	VOA 0.5 PPB STD VOA1	02/03/24 13:46
4)	1	0203_08.D	XXXXXXXXXX		02/03/24 14:10
5)	1	0203_09.D	ICAL 2	VOA 2 PPB STD	02/03/24 14:34
6)	1	0203_10.D	ICAL 4	VOA 4 PPB STD	02/03/24 14:57
7)	1	0203_11.D	ICAL 10	VOA 10 PPB STD	02/03/24 15:21
8)	1	0203_12.D	ICAL 20	VOA 20 PPB STD	02/03/24 15:45
9)	1	0203_13.D	ICAL 30	VOA 30 PPB STD	02/03/24 16:08
10)	1	0203_14.D	XXXXXXXXXX		02/03/24 16:32
11)	1	0203_15.D	XXXXXXXXXX		02/03/24 16:56
12)	1	0203_16.D	XXXXXXXXXX		02/03/24 17:20
13)	1	0203_17.D	XXXXXXXXXX		02/03/24 17:49
14)	1	0203_18.D	XXXXXXXXXX		02/03/24 18:13
15)	1	0203_19.D	XXXXXXXXXX		02/03/24 18:44
16)	1	0203_20.D	XXXXXXXXXX		02/03/24 19:08
17)	1	0203_21.D	XXXXXXXXXX		02/03/24 19:31
18)	1	0203_22.D	XXXXXXXXXX		02/03/24 19:55
19)	1	0203_23.D	XXXXXXXXXX		02/03/24 20:18
20)	1	0203_24.D	XXXXXXXXXX		02/03/24 20:42
21)	1	0203_25.D	XXXXXXXXXX		02/03/24 21:06
22)	1	0203_26.D	XXXXXXXXXX		02/03/24 21:29
23)	1	0203_27.D	XXXXXXXXXX		02/03/24 21:53
24)	1	0203_28.D	XXXXXXXXXX		02/03/24 22:17
25)	1	0203_29.D	XXXXXXXXXX		02/03/24 22:41
26)	1	0203_30.D	XXXXXXXXXX		02/03/24 23:04
27)	1	0203_31.D	XXXXXXXXXX		02/03/24 23:28

Injection Log

Data Directory: H:\V2024\CHEM02\02FEB\020524\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0205_01.D	XXXXXXXXXX		02/05/24 6:40
2)	1	0205_02.D	CCAL 10 - BFB TUNE	VOA 10 PPB STD. VOA1	02/05/24 7:04
3)	1	0205_03.D	CP99440 LCS	CP99440 LCS	02/05/24 7:27
4)	1	0205_04.D	CP99440 LCSD	CP99440 LCSD	02/05/24 7:51
5)	1	0205_05.D	XXXXXXXXXX		02/05/24 8:20
6)	1	0205_06.D	CP99440 BLANK	CP99440 BLANK	02/05/24 8:44
7)	1	0205_07.D	XXXXXXXXXX		02/05/24 9:10
8)	1	0205_08.D	XXXXXXXXXX		02/05/24 9:34
9)	1	0205_09.D	XXXXXXXXXX		02/05/24 9:58
10)	1	0205_10.D	XXXXXXXXXX		02/05/24 10:21
11)	1	0205_11.D	XXXXXXXXXX		02/05/24 11:03
12)	1	0205_12.D	XXXXXXXXXX		02/05/24 11:27
13)	1	0205_13.D	MW-12 100X	CP97096 100X	02/05/24 11:50
14)	1	0205_14.D	MW-XX 100X	CP97098 100X	02/05/24 12:14
15)	1	0205_15.D	XXXXXXXXXX		02/05/24 12:37
16)	1	0205_16.D	XXXXXXXXXX		02/05/24 13:01
17)	1	0205_17.D	XXXXXXXXXX		02/05/24 13:25
18)	1	0205_18.D	XXXXXXXXXX		02/05/24 13:48
19)	1	0205_19.D	XXXXXXXXXX		02/05/24 14:12
20)	1	0205_20.D	XXXXXXXXXX		02/05/24 14:36
21)	1	0205_21.D	XXXXXXXXXX		02/05/24 15:00
22)	1	0205_22.D	XXXXXXXXXX		02/05/24 15:23
23)	1	0205_23.D	XXXXXXXXXX		02/05/24 15:47
24)	1	0205_24.D	XXXXXXXXXX		02/05/24 16:10
25)	1	0205_25.D	XXXXXXXXXX		02/05/24 16:34
26)	1	0205_26.D	XXXXXXXXXX		02/05/24 16:58
27)	1	0205_27.D	CCAL 10	VOA 10 PPB STD. VOA1	02/05/24 17:21
28)	1	0205_28.D	CCAL 10 - BFB TUNE	VOA 10 PPB STD. VOA1	02/05/24 17:45
29)	1	0205_29.D	CP99720 LCS	CP99720 LCS	02/05/24 18:13
30)	1	0205_30.D	CP99720 LCSD	CP99720 LCSD	02/05/24 18:36
31)	1	0205_31.D	XXXXXXXXXX		02/05/24 19:06
32)	1	0205_32.D	CP99720 BLANK	CP99720 BLANK	02/05/24 19:29
33)	1	0205_33.D	XXXXXXXXXX		02/05/24 19:59
34)	1	0205_34.D	MW-3I	CP97097	02/05/24 20:22
35)	1	0205_35.D	XXXXXXXXXX		02/05/24 20:46
36)	1	0205_36.D	XXXXXXXXXX		02/05/24 21:09
37)	1	0205_37.D	XXXXXXXXXX		02/05/24 21:33
38)	1	0205_38.D	XXXXXXXXXX		02/05/24 21:57
39)	1	0205_39.D	XXXXXXXXXX		02/05/24 22:20
40)	1	0205_40.D	XXXXXXXXXX		02/05/24 22:44
41)	1	0205_41.D	XXXXXXXXXX		02/05/24 23:08
42)	1	0205_42.D	XXXXXXXXXX		02/05/24 23:32
43)	1	0205_43.D	XXXXXXXXXX		02/05/24 23:55
44)	1	0205_44.D	XXXXXXXXXX		02/06/24 0:19
45)	1	0205_45.D	XXXXXXXXXX		02/06/24 0:42
46)	1	0205_46.D	XXXXXXXXXX		02/06/24 1:06
47)	1	0205_47.D	XXXXXXXXXX		02/06/24 1:30
48)	1	0205_48.D	CP99720 QC	CP99720 QC	02/06/24 1:53
49)	1	0205_49.D	CP99720 MS 10X	CP99720 MS 10X	02/06/24 2:17
50)	1	0205_50.D	CP99720 MSD 10X	CP99720 MSD 10X	02/06/24 2:41
51)	1	0205_51.D	CP99720 MS	CP99720 MS	02/06/24 3:04
52)	1	0205_52.D	CP99720 MSD	CP99720 MSD	02/06/24 3:28
53)	1	0205_53.D	CCAL 10	VOA 10 PPB STD. VOA1	02/06/24 3:52
54)	1	0205_54.D	XXXXXXXXXX		02/06/24 4:15

Injection Log

Data Directory: H:\V2024\CHEM17\01JAN\012224\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0122_01.D	XXXXXXXXXX		01/22/24 7:15
2)	1	0122_02.D	XXXXXXXXXX		01/22/24 7:40
3)	1	0122_03.D	XXXXXXXXXX		01/22/24 8:06
4)	1	0122_04.D	XXXXXXXXXX		01/22/24 11:25
5)	1	0122_05.D	XXXXXXXXXX		01/22/24 11:50
6)	1	0122_06.D	XXXXXXXXXX		01/22/24 12:15
7)	1	0122_07.D	BFB TUNE	VOA 0.5 PPB STD. VOA	01/22/24 12:40
8)	1	0122_08.D	ICAL 2	VOA 2 PPB STD.	01/22/24 13:06
9)	1	0122_09.D	ICAL 4	VOA 4 PPB STD.	01/22/24 13:31
10)	1	0122_10.D	ICAL 10	VOA 10 PPB STD.	01/22/24 13:56
11)	1	0122_11.D	ICAL 20	VOA 20 PPB STD.	01/22/24 14:22
12)	1	0122_12.D	ICAL 30	VOA 30 PPB STD.	01/22/24 14:47
13)	1	0122_13.D	XXXXXXXXXX		01/22/24 15:13
14)	1	0122_14.D	XXXXXXXXXX		01/22/24 17:10
15)	1	0122_15.D	XXXXXXXXXX		01/22/24 17:35
16)	1	0122_16.D	XXXXXXXXXX		01/22/24 18:01
17)	1	0122_17.D	XXXXXXXXXX		01/22/24 18:26
18)	1	0122_18.D	XXXXXXXXXX		01/22/24 18:55
19)	1	0122_19.D	XXXXXXXXXX		01/22/24 19:20
20)	1	0122_20.D	XXXXXXXXXX		01/22/24 19:49
21)	1	0122_21.D	XXXXXXXXXX		01/22/24 20:15
22)	1	0122_22.D	XXXXXXXXXX		01/22/24 20:40
23)	1	0122_23.D	XXXXXXXXXX		01/22/24 21:05
24)	1	0122_24.D	XXXXXXXXXX		01/22/24 21:30
25)	1	0122_25.D	XXXXXXXXXX		01/22/24 21:56
26)	1	0122_26.D	XXXXXXXXXX		01/22/24 22:21
27)	1	0122_27.D	XXXXXXXXXX		01/22/24 22:46
28)	1	0122_28.D	XXXXXXXXXX		01/22/24 23:12
29)	1	0122_29.D	XXXXXXXXXX		01/22/24 23:37
30)	1	0122_30.D	XXXXXXXXXX		01/23/24 0:02
31)	1	0122_31.D	XXXXXXXXXX		01/23/24 0:28
32)	1	0122_32.D	XXXXXXXXXX		01/23/24 0:53
33)	1	0122_33.D	XXXXXXXXXX		01/23/24 1:18
34)	1	0122_34.D	XXXXXXXXXX		01/23/24 1:43
35)	1	0122_35.D	XXXXXXXXXX		01/23/24 2:09
36)	1	0122_36.D	XXXXXXXXXX		01/23/24 2:34
37)	1	0122_37.D	XXXXXXXXXX		01/23/24 2:59
38)	1	0122_38.D	XXXXXXXXXX		01/23/24 3:25
39)	1	0122_39.D	XXXXXXXXXX		01/23/24 3:50
40)	1	0122_40.D	XXXXXXXXXX		01/23/24 4:15
41)	1	0122_41.D	XXXXXXXXXX		01/23/24 4:41

Injection Log

Data Directory: H:\V2024\CHEM17\02FEB\020124\

Line	Vl	FileName	SampleName	MiscInfo	Injection	Time
1)	1	0201_01.D	XXXXXXXXXX		02/01/24	6:56
2)	1	0201_02.D	CCAL 10 - BFB TUNE	VOA 10 PPB STD. VOA1	02/01/24	7:21
3)	1	0201_03.D	CP96683 LCS	CP96683 LCS	02/01/24	7:46
4)	1	0201_04.D	CP96683 LCSD	CP96683 LCSD	02/01/24	8:11
5)	1	0201_05.D	XXXXXXXXXX		02/01/24	8:39
6)	1	0201_06.D	CP96683 BLANK	CP96683 BLANK	02/01/24	9:04
7)	1	0201_07.D	TRIP BLANK	CP97099	02/01/24	9:32
8)	1	0201_08.D	XXXXXXXXXX		02/01/24	9:57
9)	1	0201_09.D	XXXXXXXXXX		02/01/24	10:22
10)	1	0201_10.D	XXXXXXXXXX		02/01/24	10:48
11)	1	0201_11.D	XXXXXXXXXX		02/01/24	11:13
12)	1	0201_12.D	XXXXXXXXXX		02/01/24	11:38
13)	1	0201_13.D	XXXXXXXXXX		02/01/24	12:03
14)	1	0201_14.D	XXXXXXXXXX		02/01/24	12:29
15)	1	0201_15.D	XXXXXXXXXX		02/01/24	12:54
16)	1	0201_16.D	XXXXXXXXXX		02/01/24	13:20
17)	1	0201_17.D	XXXXXXXXXX		02/01/24	13:45
18)	1	0201_18.D	XXXXXXXXXX		02/01/24	14:10
19)	1	0201_19.D	XXXXXXXXXX		02/01/24	14:35
20)	1	0201_20.D	XXXXXXXXXX		02/01/24	15:01
21)	1	0201_21.D	XXXXXXXXXX		02/01/24	15:26
22)	1	0201_22.D	XXXXXXXXXX		02/01/24	15:51
23)	1	0201_23.D	XXXXXXXXXX		02/01/24	16:16
24)	1	0201_24.D	XXXXXXXXXX		02/01/24	16:42
25)	1	0201_25.D	CCAL 10	VOA 10 PPB STD. VOA1	02/01/24	17:07
26)	1	0201_26.D	XXXXXXXXXX		02/01/24	17:33
27)	1	0201_27.D	XXXXXXXXXX		02/01/24	17:58
28)	1	0201_28.D	XXXXXXXXXX		02/01/24	18:23
29)	1	0201_29.D	XXXXXXXXXX		02/01/24	18:54
30)	1	0201_30.D	XXXXXXXXXX		02/01/24	19:19
31)	1	0201_31.D	XXXXXXXXXX		02/01/24	19:49
32)	1	0201_32.D	XXXXXXXXXX		02/01/24	20:14
33)	1	0201_33.D	XXXXXXXXXX		02/01/24	20:40
34)	1	0201_34.D	XXXXXXXXXX		02/01/24	21:05
35)	1	0201_35.D	XXXXXXXXXX		02/01/24	21:30
36)	1	0201_36.D	XXXXXXXXXX		02/01/24	21:55
37)	1	0201_37.D	XXXXXXXXXX		02/01/24	22:21
38)	1	0201_38.D	XXXXXXXXXX		02/01/24	22:46
39)	1	0201_39.D	XXXXXXXXXX		02/01/24	23:11
40)	1	0201_40.D	XXXXXXXXXX		02/01/24	23:37
41)	1	0201_41.D	XXXXXXXXXX		02/02/24	0:02
42)	1	0201_42.D	XXXXXXXXXX		02/02/24	0:27
43)	1	0201_43.D	XXXXXXXXXX		02/02/24	0:52
44)	1	0201_44.D	XXXXXXXXXX		02/02/24	1:18
45)	1	0201_45.D	XXXXXXXXXX		02/02/24	1:43
46)	1	0201_46.D	XXXXXXXXXX		02/02/24	2:08
47)	1	0201_47.D	XXXXXXXXXX		02/02/24	2:33
48)	1	0201_48.D	XXXXXXXXXX		02/02/24	2:59
49)	1	0201_49.D	XXXXXXXXXX		02/02/24	3:24
50)	1	0201_50.D	XXXXXXXXXX		02/02/24	3:50
51)	1	0201_51.D	XXXXXXXXXX		02/02/24	4:15
52)	1	0201_52.D	XXXXXXXXXX		02/02/24	4:40
53)	1	0201_53.D	XXXXXXXXXX		02/02/24	5:06
54)	1	0201_54.D	XXXXXXXXXX		02/02/24	5:31

Injection Log

Data Directory: H:\V2024\CHEM17\02FEB\020224\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0202_01.D	XXXXXXXXXX		02/02/24 7:32
2)	1	0202_02.D	CCAL 10 - BFB TUNE	VOA 10 PPB STD. VOA1	02/02/24 7:57
3)	1	0202_03.D	CP98023 LCS	CP98023 LCS	02/02/24 8:22
4)	1	0202_04.D	CP98023 LCSD	CP98023 LCSD	02/02/24 8:47
5)	1	0202_05.D	XXXXXXXXXX		02/02/24 9:17
6)	1	0202_06.D	CP98023 BLANK	CP98023 BLANK	02/02/24 9:42
7)	1	0202_07.D	XXXXXXXXXX		02/02/24 10:12
8)	1	0202_08.D	MW-12 50X	CP97096 50X	02/02/24 10:37
9)	1	0202_09.D	MW-12 5X	CP97096 5X	02/02/24 11:02
10)	1	0202_10.D	XXXXXXXXXX		02/02/24 11:27
11)	1	0202_11.D	MW-XX 50X	CP97098 50X	02/02/24 11:53
12)	1	0202_12.D	MW-XX 5X	CP97098 5X	02/02/24 12:18
13)	1	0202_13.D	XXXXXXXXXX		02/02/24 12:43
14)	1	0202_14.D	XXXXXXXXXX		02/02/24 13:09
15)	1	0202_15.D	XXXXXXXXXX		02/02/24 13:34
16)	1	0202_16.D	XXXXXXXXXX		02/02/24 14:00
17)	1	0202_17.D	XXXXXXXXXX		02/02/24 14:25
18)	1	0202_18.D	XXXXXXXXXX		02/02/24 14:50
19)	1	0202_19.D	XXXXXXXXXX		02/02/24 15:15
20)	1	0202_20.D	XXXXXXXXXX		02/02/24 15:40
21)	1	0202_21.D	XXXXXXXXXX		02/02/24 16:06
22)	1	0202_22.D	XXXXXXXXXX		02/02/24 16:31
23)	1	0202_23.D	XXXXXXXXXX		02/02/24 16:56
24)	1	0202_24.D	XXXXXXXXXX		02/02/24 17:22
25)	1	0202_25.D	XXXXXXXXXX		02/02/24 17:47
26)	1	0202_26.D	XXXXXXXXXX		02/02/24 18:13
27)	1	0202_27.D	XXXXXXXXXX		02/02/24 18:38
28)	1	0202_28.D	CCAL 10	VOA 10 PPB STD. VOA1	02/02/24 19:03
29)	1	0202_29.D	XXXXXXXXXX		02/02/24 19:28
30)	1	0202_30.D	XXXXXXXXXX		02/02/24 19:53
31)	1	0202_31.D	XXXXXXXXXX		02/02/24 20:19
32)	1	0202_32.D	XXXXXXXXXX		02/02/24 20:47
33)	1	0202_33.D	XXXXXXXXXX		02/02/24 21:12
34)	1	0202_34.D	XXXXXXXXXX		02/02/24 21:42
35)	1	0202_35.D	XXXXXXXXXX		02/02/24 22:07
36)	1	0202_36.D	XXXXXXXXXX		02/02/24 22:32
37)	1	0202_37.D	XXXXXXXXXX		02/02/24 22:58
38)	1	0202_38.D	XXXXXXXXXX		02/02/24 23:23
39)	1	0202_39.D	XXXXXXXXXX		02/02/24 23:48
40)	1	0202_40.D	XXXXXXXXXX		02/03/24 0:14
41)	1	0202_41.D	XXXXXXXXXX		02/03/24 0:39
42)	1	0202_42.D	XXXXXXXXXX		02/03/24 1:04
43)	1	0202_43.D	XXXXXXXXXX		02/03/24 1:30
44)	1	0202_44.D	XXXXXXXXXX		02/03/24 1:55
45)	1	0202_45.D	XXXXXXXXXX		02/03/24 2:20
46)	1	0202_46.D	XXXXXXXXXX		02/03/24 2:45
47)	1	0202_47.D	XXXXXXXXXX		02/03/24 3:11
48)	1	0202_48.D	XXXXXXXXXX		02/03/24 3:36
49)	1	0202_49.D	XXXXXXXXXX		02/03/24 4:01
50)	1	0202_50.D	XXXXXXXXXX		02/03/24 4:26
51)	1	0202_51.D	XXXXXXXXXX		02/03/24 4:52
52)	1	0202_52.D	XXXXXXXXXX		02/03/24 5:17
53)	1	0202_53.D	XXXXXXXXXX		02/03/24 5:43
54)	1	0202_54.D	XXXXXXXXXX		02/03/24 6:08
55)	1	0202_55.D	XXXXXXXXXX		02/03/24 6:33
56)	1	0202_56.D	XXXXXXXXXX		02/03/24 6:59



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Preferred Environmental Services

SID HARVEY

Laboratory Project: GCP97096

Metals (Water)

Ver 1

Inorganic Data Flags

- C (Concentration) Qualifiers:

- J – The reported value was obtained from a reading that was less than the Reporting Level (RL) but greater than or equal to the Instrument Detection Limit (IDL)
- U – The analyte was analyzed for but not detected at or above the IDL

- Q Qualifiers:

- E - The reported value is estimated because of the presence of interference. An explanatory note shall be included in the project narrative (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M- Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

- M (Method) Qualifiers:

- “P” - ICP
- “A” - Flame AA
- “F” - Furnace AA
- “PM” - ICP when Microwave Digestion is used
- “AM” - Flame AA when Microwave Digestion is used
- “FM” - Furnace AA when Microwave Digestion is used
- “CV” - Manual Cold Vapor AA
- “AV” - Automated Cold Vapor AA
- “CA” - Midi-Distillation Spectrophotometric
- “AS” - Semi-Automated Spectrophotometric
- “C” - Manual Spectrophotometric
- “T” - Titrimetric
- “ ” - where no data have been entered
- “NR” - the analyte is not required to be analyzed
- “G” - Gravimetric

SDG: GCP97096

Metals Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

Form 1 (Analysis):

The following samples/analytes were flagged for non-compliance: None.

Form 2A (Initial & Continuing Calibration Verification):

All Initial and Continuing Calibrations met criteria with the following exceptions: None.

Form 2B (CRDL):

All CRDLs met criteria with the following exceptions: None.

Form 3 (Continuing and Preparation Blanks):

All Continuing and Preparation Blanks were Non-Detect with the following exceptions: None.

Form 4 (ICP Interference Check):

All ICP Interference Checks met criteria with the following exceptions:
A sample bias is not suspected for Manganese (s) concentration (s) are greater than 5X the amounts found in the ICSEA.

Form 5 (Matrix Spikes):

All Matrix Spikes met criteria with the following exceptions: None.
Note that the laboratory performs a MS and MSD; only the MS is reported on Form 5.

Form 6 (Duplicates):

All Sample Duplicates met criteria with the following exceptions: None.

Form 7 (Laboratory Control Samples):

All Laboratory Control Samples met criteria with the following exceptions: None.
Note that the laboratory performs a LCS and LCSD; only the LCS is reported on Form 7.

Form 9 (Serial Dilution):

All Serial Dilutions met criteria with the following exceptions: None.



02/13/24

Alejandro Paredes
Project Manager

1

MW-12

PREFRDNY

GCP97096

Sample Matrix: GROUND WATER

n.a.

mg/L

[illegible]

FORM I - IN

Client Id

MW-3I

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix SDG No.: GCP97096

Lab Sample Id: CP97097 Sample Matrix: GROUND WATER

Date Received: 1/30/2024 Percent Solids: n.a.

Concentration Units (mg/L or mg/kg dry weight): mg/L

[illegible]

FORM I - IN

2A

Client: PREFRDNY

SDG: GCP97096

Absolute Standard (CVS)

Inorganic Ventures (IPC1+2)

ARCOS-2

mg/l

[illegible]

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

Client: PREFRDNY

SDG: GCP97096

Absolute Standard (CVS)

Inorganic Ventures (IPC1+2)

ARCOS-2

mg/l

[illegible]

(1) Control Limits: Mercury 80-120; Other Metals 90-110

Lab Name:	<u>Phoenix Environmental Labs</u>	Client:	<u>PREFRDNY</u>
Lab Code:	<u>Phoenix</u>	SDG:	<u>GCP97096</u>
Instrument:	<u>ARCOS-2</u>		
CRDL Standard Source:	<u>Environmental Express</u>		

[illegible]

Page 356 of 434

3
BLANKS

Client: PREFRDNY

SDG No.: GCP97096

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Instrument: ARCOS-2

[illegible]

FORM III - IN

3 BLANKS

Client: PREFRDNY

SDG No.: GCP97096

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Instrument: ARCOS-2[illegible]

FORM III - IN

ICS Source: Inorganic Ventures, Inc.

Concentration Units: mg/L

[illegible]

Client Id

MW-3I

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: PhoenixSDG No.: GCP97096

Lab Sample Id: CP97097

Sample Matrix: GROUND WATER

Date Received: 1/30/2024

Percent Solids: n.a.

Batch Id: 716611

Concentration Units (mg/L or mg/kg dry weight): mg/L

[illegible]

Comments:

FORM V - IN

Client: PREFRDNY

SDG No.: GCP97096

QC Batch Id: 716611

QC Sample Id: CP97097

[illegible]

FORM VII - IN

Client Id

MW-3I

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix

SDG No.: GCP97096

Lab Sample Id: CP97097

Sample Matrix: GROUND WATER

Date Received: 1/30/2024

Percent Solids: n.a.

Concentration Units (mg/L or mg/kg dry weight): mg/L

[illegible]

* No criteria (NC) if either result is less than 5x the reporting level.

Client: PREFRDNY

SDG No.: GCP97096

Date: 01/10/20

[illegible]

FORM X - IN

11A

Phoenix Environmental Labs

Client: PREFRDNY

Phoenix

SDG No.: GCP97096

ARCOS-2

[illegible]

Comments:

Client: PREFRDNY

SDG No.: GCP97096

Instrument: ARCOS-2

[illegible]

Comments:

A linear range study is performed per instrument. The concentrations above reflect the highest calibration point which is lower than the linear range concentration.

FORM XII - IN

Client: PREFRDNY

SDG No.: GCP97096Batch Id: 716611[illegible]

14
ANALYSIS RUN LOG

Lab Name: Phoenix Environmental Labs

Lab Code: Phoenix

Instrument: ARCOS-2

Start Date: 02/01/24

Client: PREFRDNY

SDG: GCP97096

Method: P (ICP)

End Date: 02/02/24

Lab Sample Id	Client Sample Id	D/F	Time	Analytes																									
				F	M																								
ICV		1	13:57	X	X																								
ICB		1	15:05	X	X																								
I-CRDL		1	20:06	X	X																								
I-ICSA		1	20:13	X	X																								
I-ICSAB		1	20:16	X	X																								
CCV		1	03:56	X	X																								
CCB		1	04:00	X	X																								
-		1	04:03																										
-		1	04:06																										
-		1	04:09																										
-		1	04:12																										
CP97097 - BLK	MW-3I - BLK	1	04:16	X	X																								
-		2	04:19																										
-		2	04:22																										
CP97097 - LCS	MW-3I - LCS	1	04:25	X	X																								
CP97097 - LCSD	MW-3I - LCSD	1	04:28	X	X																								
-		1	04:32																										
CCV		1	04:35	X	X																								
CCB		1	04:38	X	X																								
CP97097	MW-3I	1	04:41	X	X																								
CP97097 - DUP	MW-3I - DUP	1	04:44	X	X																								
CP97097 - MS	MW-3I - MS	1	04:48	X	X																								
CP97097 - DIL	MW-3I - DIL	5	04:51	X	X																								
CP97097 - PS	MW-3I - PS	1	04:54	X	X																								
-		1	04:57																										
-		1	05:00																										
-		1	05:04																										
-		1	05:07																										
-		1	05:10																										
CCV		1	05:13	X	X																								
CCB		1	05:16	X	X																								
-		1	05:20																										
-		1	05:23																										
CP97096	MW-12	1	05:26	X	X																								
CP97098	MW-XX	1	05:29	X	X																								
-		1	05:32																										
-		1	05:36																										
-		1	05:39																										

FORM XIV - IN - 1

Client: PREFRDNY

SDG: GCP97096

Method: P (ICP)

End Date: 02/02/24[illegible]

Lab Id: **ICV**Measure Date: **2/1/2024 1:57:07 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2502	0.9922	0.9947	> 1.058	1.000	1.003	0.9915
	0.0009	0.0025	0.0064	0.0055	0.0098	0.0028	0.0064
	0.3	0.2	0.6	0.5	1.0	0.3	0.6
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.9850	0.9981	1.002	0.9666	1.017	4.935	0.9778
	0.0068	0.0041	0.0058	0.0053	0.0060	0.0498	0.0021
	0.7	0.4	0.6	0.5	0.6	1.0	0.2
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9735	0.9873	4.765	1.018	0.9590	1.018	0.9863
	0.0069	0.0042	0.0947	0.0062	0.0088	0.0042	0.0036
	0.7	0.4	2.0	0.6	0.9	0.4	0.4
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.9978	0.9846	0.9812	0.9600		0.9875	> 1.003
	0.0065	0.0045	0.0068	0.0012		0.0070	0.0086
	0.7	0.5	0.7	0.1		0.7	0.9
Conc Mean Std Dev RSD %	Zn						
	0.9742						
	0.0057						
	0.6						

Lab Id: **ICB**Measure Date: **2/1/2024 3:05:38 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	-0.0002	# -0.0005	-0.0013	-0.0020	-0.0006	0.0000	0.0004
	0.0002	0.0014	0.0010	0.0004	0.0001	0	0.0006
	126.1	258.5	77.4	17.9	8.4	81.8	134.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0003	0.0001	0.0001	0.0003	-0.0004	0.0095	0.0004
	0.0001	0.0004	0.0004	0.0002	0.0002	0.0006	0
	29.7	732.1	617.5	49.6	47.6	6.7	8.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0004	0.0004	0.0056	-0.0006	-0.0008	# 0.0002	0.0012
	0.0001	0.0003	0.0004	0.0006	0.0028	0.0011	0.0011
	17.0	77.9	7.6	114.3	330.8	652.7	96.4
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	-0.0001	-0.0006	-0.0001	-0.0027		0.0012	# -0.0001
	0.0013	0.0010	0.0001	0.0043		0.0009	0.0023
	1790	175.9	152.8	164.0		73.0	1791
Conc Mean Std Dev RSD %	Zn						
	0.0006						
	0						
	7.6						

Lab Id: **I-CRDL**Measure Date: **2/1/2024 8:06:46 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0049	0.0501	0.0197	0.0495	0.0097	0.0050	0.0563
	0.0003	0.0016	0.0012	0.0003	0.0001	0	0.0005
	5.8	3.3	6.0	0.6	0.6	0.6	0.8
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0055	0.0052	0.0048	0.0052	0.0245	0.4966	0.0502
	0.0002	0.0003	0.0006	0.0003	0.0005	0.0026	0.0002
	3.3	5.7	11.8	5.7	2.2	0.5	0.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0056	0.0511	0.4775	0.0046	0.0073	0.5107	0.0251
	0.0001	0.0006	0.0023	0.0007	0.0027	0.0060	0.0026
	1.1	1.1	0.5	15.1	37.4	1.2	10.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0554	0.1004	0.0501	0.0195		0.0108	# -0.0014
	0.0010	0.0023	0.0002	0.0025		0.0013	0.0018
	1.8	2.3	0.4	12.7		12.0	126.1
Conc Mean Std Dev RSD %	Zn						
	0.0112						
	0.0001						
	0.8						

Lab Id: I-ICSA

Measure Date: 2/1/2024 8:13:11 PM

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0002	30.78	0.0007	-0.0014	-0.0006	0	> 154.5
	0.0004	0.1603	0.0006	0.0003	0.0001	0	0.3223
	250.8	0.5	81.0	20.4	22.1		0.2
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0062	0.0005	0.0007	0.0015	128.2	-0.0090	78.28
	0.0002	0.0003	0.0002	0.0004	0.3715	0.0005	0.3241
	3.2	53.0	28.9	24.2	0.3	5.7	0.4
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0015	-0.0004	25.50	0.0010	0.0019	0.0154	0.0028
	0.0001	0.0009	0.0764	0.0003	0.0019	0.0018	0.0012
	9.5	207.5	0.3	29.2	98.8	11.5	42.7
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	-0.0060	0.0025	-0.0003	-0.0011		0.0003	# -0.0014
	0.0004	0.0025	0.0002	0.0009		0.0009	0.0016
	6.1	96.6	63.7	76.9		273.7	113.5
Conc Mean Std Dev RSD %	Zn						
	0.0126						
	0						
	0.2						

Lab Id: **I-ICSAB**Measure Date: **2/1/2024 8:16:23 PM**

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
		1	1	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	> 0.3047	32.18	0.9828	0.4898	0.3108	0.0998	> 160.2
	0.0011	0.1290	0.0078	0.0038	0.0014	0.0003	0.3054
	0.4	0.4	0.8	0.8	0.4	0.3	0.2
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.3068	0.3098	0.3011	0.3182	132.7	> 20.54	81.49
	0.0014	0.0024	0.0011	0.0019	0.6525	0.0958	0.3649
	0.5	0.8	0.4	0.6	0.5	0.5	0.4
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.2076	0.2945	26.53	0.3141	1.032	0.0153	0.9938
	0.0007	0.0016	0.1057	0.0019	0.0163	0.0017	0.0061
	0.3	0.5	0.4	0.6	1.6	11.1	0.6
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.5037	0.0015	0.9707	1.026		0.3018	# 0.0007
	0.0056	0.0013	0.0030	0.0097		0.0024	0.0021
	1.1	92.3	0.3	0.9		0.8	300.9
Conc Mean Std Dev RSD %	Zn						
	0.3126						
	0.0013						
	0.4						

Lab Id: **CCV**Measure Date: **2/2/2024 3:56:50 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2420	0.9604	0.9139	1.022	1.020	0.9760	1.006
	0.0007	0.0065	0.0026	0.0147	0.0020	0.0050	0.0030
	0.3	0.7	0.3	1.4	0.2	0.5	0.3
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.9923	1.003	1.019	0.9222	1.021	> 5.478	0.9913
	0.0043	0.0096	0.0063	0.0062	0.0073	0.0814	0.0052
	0.4	1.0	0.6	0.7	0.7	1.5	0.5
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9834	0.9961	5.423	1.010	0.9499	# 0.8916	0.9161
	0.0026	0.0093	0.0531	0.0080	0.0111	0.0040	0.0065
	0.3	0.9	1.0	0.8	1.2	0.5	0.7
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.9103	0.9793	0.9772	0.9611		0.9822	1.002
	0.0056	0.0040	0.0031	0.0040		0.0044	0.0071
	0.6	0.4	0.3	0.4		0.4	0.7
Conc Mean Std Dev RSD %	Zn						
	0.9216						
	0.0035						
	0.4						

Lab Id: **CCB**Measure Date: **2/2/2024 4:00:03 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0001	# -0.0021	0.0017	> 0.0374	-0.0006	0.0000	0.0010
	0.0003	0.0009	0.0014	0.0030	0.0002	0.0001	0.0002
	252.2	42.7	82.1	7.9	28.1	933.3	23.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0003	0.0001	-0.0001	-0.0019	-0.0011	0.0728	0.0003
	0.0001	0.0003	0.0005	0.0003	0.0002	0.0099	0
	30.4	183.8	389.1	15.7	19.8	13.6	2.4
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0004	0.0017	> 0.2470	-0.0005	-0.0012	# 0.0027	0.0004
	0	0.0006	0.0226	0.0005	0.0027	0.0016	0.0013
	8.2	33.8	9.2	105.6	218.2	58.4	299.1
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0011	0.0013	0.0003	-0.0004		-0.0003	# -0.0010
	0.0012	0.0012	0.0001	0.0020		0.0004	0.0012
	108.2	86.7	22.4	508.0		147.7	123.8
Conc Mean Std Dev RSD %	Zn						
	0.0004						
	0.0001						
	19.1						

Lab Id: **CP97097 - BLK**Measure Date: **2/2/2024 4:16:04 AM**Client Id: **MW-31 - BLK**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
716611-WQ-BLK	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0002	# 0.0001	-0.0002	0.0111	-0.0005	-0.0001	0.0115
	0.0002	0.0009	0.0014	0.0004	0.0001	0	0.0015
	101.2	1001	704.6	4.0	31.7	51.4	13.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0001	0.0001	0.0000	-0.0018	-0.0011	0.0625	0.0037
	0.0001	0.0003	0.0005	0.0003	0.0006	0.0006	0.0001
	191.0	284.3	1432	17.9	58.0	0.9	2.7
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0005	0.0004	0.1682	-0.0004	-0.0021	0.0053	-0.0003
	0	0.0006	0.0039	0.0003	0.0023	0.0012	0.0027
	8.4	148.9	2.3	79.5	108.9	23.7	913.9
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0007	0.0002	0.0001	0.0009		-0.0006	# -0.0017
	0.0012	0.0009	0	0.0019		0.0002	0.0017
	170.0	390.0	45.6	221.1		35.5	98.7
Conc Mean Std Dev RSD %	Zn						
	0.0021						
	0.0003						
	15.7						

Lab Id: CP97097 - LCS

Measure Date: 2/2/2024 4:25:40 AM

Client Id: MW-3I - LCS

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
716611-WQ-SPK	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2356	0.9156	1.767	0.9220	1.003	0.9692	0.9976
	0.0007	0.0014	0.0045	0.0020	0.0023	0.0017	0.0041
	0.3	0.2	0.3	0.2	0.2	0.2	0.4
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.9843	0.9876	0.9970	0.9260	1.012	> 5.300	0.9840
	0.0020	0.0031	0.0017	0.0012	0.0017	0.0240	0.0021
	0.2	0.3	0.2	0.1	0.2	0.5	0.2
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9746	0.9809	1.212	0.9979	1.904	0.0091	1.817
	0.0011	0.0029	0.0061	0.0019	0.0097	0.0012	0.0077
	0.1	0.3	0.5	0.2	0.5	13.2	0.4
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.8616	> 4.898	0.9648	> 4.814		0.9710	# 0.0034
	0.0042	0.0126	0.0017	0.0268		0.0022	0.0010
	0.5	0.3	0.2	0.6		0.2	30.7
Conc Mean Std Dev RSD %	Zn						
	0.9079						
	0.0022						
	0.2						

Lab Id: CP97097 - LCSD

Measure Date: 2/2/2024 4:28:52 AM

Client Id: MW-3I - LCSD

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
716611-WQ-SPD	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2399	0.9343	1.799	0.9432	1.020	0.9866	1.007
	0.0012	0.0023	0.0117	0.0038	0.0027	0.0044	0.0039
	0.5	0.2	0.6	0.4	0.3	0.4	0.4
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.002	1.007	1.012	0.9494	1.029	> 5.407	0.9997
	0.0074	0.0090	0.0075	0.0032	0.0091	0.0688	0.0057
	0.7	0.9	0.7	0.3	0.9	1.3	0.6
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9922	0.9986	1.210	1.017	1.938	0.0065	1.856
	0.0060	0.0092	0.0134	0.0082	0.0282	0.0007	0.0139
	0.6	0.9	1.1	0.8	1.5	10.3	0.7
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.8740	> 4.992	0.9833	> 4.881		0.9882	# 0.0046
	0.0085	0.0391	0.0055	0.0356		0.0045	0.0021
	1.0	0.8	0.6	0.7		0.5	45.7
Conc Mean Std Dev RSD %	Zn						
	0.9257						
	0.0023						
	0.3						

Lab Id: **CCV**

Measure Date: **2/2/2024 4:35:16 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2439	0.9676	0.9206	0.9726	1.034	0.9836	1.020
	0.0017	0.0065	0.0133	0.0060	0.0126	0.0049	0.0111
	0.7	0.7	1.4	0.6	1.2	0.5	1.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.015	1.012	1.027	0.9310	1.028	> 5.492	0.9980
	0.0129	0.0110	0.0089	0.0060	0.0086	0.0762	0.0043
	1.3	1.1	0.9	0.6	0.8	1.4	0.4
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9980	1.006	5.244	1.022	0.9612	0.9031	0.9276
	0.0104	0.0077	0.0708	0.0103	0.0128	0.0102	0.0064
	1.0	0.8	1.4	1.0	1.3	1.1	0.7
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.9228	0.9911	0.9898	0.9664		0.9939	1.010
	0.0038	0.0042	0.0089	0.0106		0.0107	0.0073
	0.4	0.4	0.9	1.1		1.1	0.7
Conc Mean Std Dev RSD %	Zn						
	0.9338						
	0.0076						
	0.8						

Lab Id: **CCB**Measure Date: **2/2/2024 4:38:28 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	-0.0003	# -0.0017	0.0003	0.0069	-0.0006	0.0000	0.0007
	0.0003	0.0011	0.0007	0.0003	0.0001	0	0.0007
	95.8	65.6	278.9	4.1	17.4	192.3	98.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0001	0.0000	0.0002	-0.0018	-0.0016	> 0.1944	0.0003
	0.0001	0.0002	0.0005	0.0002	0.0001	0.0045	0
	119.0	575.9	240.3	9.2	4.8	2.3	6.9
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0005	0.0013	> 0.2272	-0.0006	0.0001	# 0.0001	0.0019
	0.0001	0.0006	0.0066	0.0002	0.0025	0.0012	0.0005
	12.5	50.2	2.9	43.9	5564	1157	24.6
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0017	0.0013	0.0004	0.0033		-0.0004	# -0.0024
	0.0005	0.0006	0.0001	0.0017		0.0009	0.0023
	27.0	44.2	33.3	52.0		228.2	93.7
Conc Mean Std Dev RSD %	Zn						
	0.0004						
	0.0001						
	17.8						

Lab Id: CP97097

Measure Date: 2/2/2024 4:41:41 AM

Client Id: MW-3I

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
716611-WS-S11	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0000	0.2166	0.0007	0.0523	0.0481	0.0002	24.80
	0.0003	0.0044	0.0007	0.0003	0.0002	0	0.2122
	1869	2.0	103.2	0.5	0.3	11.0	0.9
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0247	0.0028	0.0263	0.0687	1.041	4.136	6.648
	0.0002	0.0005	0.0002	0.0007	0.0052	0.0351	0.0214
	1.0	17.1	0.7	1.0	0.5	0.8	0.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.6149	0.0003	48.29	0.0106	0.0001	14.44	0.0009
	0.0048	0.0008	0.2628	0.0003	0.0024	0.1016	0.0011
	0.8	266.8	0.5	2.5	2869	0.7	122.6
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0014	-0.0007	0.0091	-0.0014		0.0005	# -0.0007
	0.0014	0.0008	0.0022	0.0021		0.0005	0.0006
	104.2	116.7	24.1	146.5		99.1	86.6
Conc Mean Std Dev RSD %	Zn						
	0.1673						
	0.0010						
	0.6						

Lab Id: CP97097 - DUP

Measure Date: 2/2/2024 4:44:54 AM

Client Id: MW-3I - DUP

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
716611-WQ-DUP		50	50	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0000	0.2309	0.0000	0.0530	0.0481	0.0002	25.41
	0.0003	0.0041	0.0008	0.0007	0.0006	0.0001	0.2681
	762.2	1.8	3500	1.4	1.2	28.6	1.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0254	0.0028	0.0272	0.0700	1.064	4.066	6.767
	0.0003	0.0002	0.0002	0.0009	0.0070	0.0252	0.0741
	1.1	5.4	0.9	1.3	0.7	0.6	1.1
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.6305	0.0005	48.30	0.0106	-0.0011	14.76	0.0008
	0.0050	0.0005	0.5241	0.0003	0.0018	0.1223	0.0023
	0.8	99.6	1.1	3.2	169.6	0.8	304.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0010	0.0003	0.0097	-0.0022		0.0016	# -0.0026
	0.0012	0.0008	0.0009	0.0015		0.0010	0.0011
	116.0	315.4	9.1	69.4		62.8	42.7
Conc Mean Std Dev RSD %	Zn						
	0.1648						
	0.0014						
	0.8						

Lab Id: CP97097 - MS

Measure Date: 2/2/2024 4:48:06 AM

Client Id: MW-31 - MS

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
716611-WQ-MSX		50	50	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2463	1.305	1.804	0.9989	1.074	0.9871	25.96
	0.0013	0.0074	0.0052	0.0035	0.0040	0.0021	0.0671
	0.5	0.6	0.3	0.3	0.4	0.2	0.3
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.027	1.023	1.044	1.055	2.007	> 9.441	7.777
	0.0054	0.0064	0.0037	0.0041	0.0092	0.0639	0.0238
	0.5	0.6	0.3	0.4	0.5	0.7	0.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	1.646	1.009	50.58	1.045	2.006	14.39	1.869
	0.0052	0.0039	0.4128	0.0018	0.0064	0.0242	0.0063
	0.3	0.4	0.8	0.2	0.3	0.2	0.3
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.8751	> 5.106	0.9981	> 5.119		0.9974	# 0.0031
	0.0066	0.0150	0.0036	0.0248		0.0022	0.0015
	0.8	0.3	0.4	0.5		0.2	50.1
Conc Mean Std Dev RSD %	Zn						
	1.103						
	0.0048						
	0.4						

Lab Id: CP97097 - DIL

Measure Date: 2/2/2024 4:51:18 AM

Client Id: MW-31 - DIL

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
716611-WQ-DIL	50	50	100	5	5.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0	0.2267	0.0022	0.0730	0.0452	0.0003	24.22
	0.0011	0.0204	0.0059	0.0027	0.0012	0.0002	0.2157
	26430	9.0	266.5	3.7	2.7	75.3	0.9
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0260	0.0032	0.0280	0.0629	1.040	4.833	6.844
	0.0011	0.0017	0.0005	0.0022	0.0126	0.1360	0.0240
	4.2	52.0	1.8	3.6	1.2	2.8	0.4
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.6430	0.0050	47.85	0.0083	-0.0031	15.03	-0.0041
	0.0072	0.0019	0.9915	0.0010	0.0106	0.2460	0.0067
	1.1	38.7	2.1	11.5	340.7	1.6	164.9
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0051	0.0114	0.0110	0.0120		0.0007	# -0.0041
	0.0044	0.0077	0.0009	0.0084		0.0045	0.0066
	85.9	68.1	8.1	69.7		646.2	159.9
Conc Mean Std Dev RSD %	Zn						
	0.1660						
	0.0019						
	1.2						

Lab Id: CP97097 - PS

Measure Date: 2/2/2024 4:54:30 AM

Client Id: MW-3I - PS

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
716611-WQ-PSX	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2412	1.162	1.803	0.9839	1.057	0.9762	25.31
	0.0020	0.0140	0.0079	0.0059	0.0108	0.0051	0.2423
	0.8	1.2	0.4	0.6	1.0	0.5	1.0
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.015	1.004	1.029	1.024	1.992	> 9.181	7.500
	0.0120	0.0074	0.0110	0.0135	0.0157	0.0611	0.0730
	1.2	0.7	1.1	1.3	0.8	0.7	1.0
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	1.607	0.9990	47.39	1.027	1.965	14.26	1.867
	0.0169	0.0091	0.2556	0.0072	0.0258	0.1963	0.0177
	1.0	0.9	0.5	0.7	1.3	1.4	0.9
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.8938	> 5.395	0.9881	> 5.028		0.9819	0.0056
	0.0073	0.0427	0.0106	0.0425		0.0106	0.0005
	0.8	0.8	1.1	0.8		1.1	9.5
Conc Mean Std Dev RSD %	Zn						
	1.104						
	0.0128						
	1.2						

Lab Id: **CCV**Measure Date: **2/2/2024 5:13:43 AM**

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
		1	1	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2421	0.9653	0.9121	0.9565	1.014	0.9769	1.003
	0.0005	0.0064	0.0058	0.0057	0.0018	0.0033	0.0050
	0.2	0.7	0.6	0.6	0.2	0.3	0.5
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.9880	0.9945	1.011	0.9298	1.011	> 5.562	0.9968
	0.0019	0.0031	0.0031	0.0044	0.0018	0.0564	0.0044
	0.2	0.3	0.3	0.5	0.2	1.0	0.4
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9806	0.9854	> 5.592	1.006	0.9440	0.9004	0.9223
	0.0018	0.0040	0.0591	0.0014	0.0163	0.0053	0.0030
	0.2	0.4	1.1	0.1	1.7	0.6	0.3
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.9161	0.9746	0.9766	0.9602		0.9830	0.9883
	0.0037	0.0029	0.0042	0.0099		0.0048	0.0036
	0.4	0.3	0.4	1.0		0.5	0.4
Conc Mean Std Dev RSD %	Zn						
	0.9232						
	0.0022						
	0.2						

Lab Id: **CCB**Measure Date: **2/2/2024 5:16:55 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0003	# -0.0013	0.0012	0.0038	-0.0005	0.0000	0.0047
	0.0001	0.0008	0.0010	0.0002	0.0002	0	0.0026
	50.3	63.9	82.1	4.5	42.3	180.0	55.3
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0001	0.0001	-0.0002	-0.0018	-0.0015	0.0570	0.0087
	0.0001	0.0004	0.0002	0.0003	0.0002	0.0025	0.0044
	58.6	541.9	111.2	15.5	15.5	4.3	50.8
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0004	0.0011	> 0.3197	-0.0010	-0.0008	# 0.0038	0.0004
	0	0.0009	0.0385	0.0003	0.0029	0.0031	0.0016
	3.9	85.9	12.0	31.0	356.0	81.0	431.6
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0005	0.0022	0.0004	-0.0010		-0.0004	# -0.0007
	0.0008	0.0017	0.0001	0.0006		0.0010	0.0016
	179.6	76.5	31.8	61.2		284.6	243.2
Conc Mean Std Dev RSD %	Zn						
	0.0003						
	0.0001						
	25.8						

Lab Id: CP97096

Measure Date: 2/2/2024 5:26:31 AM

Client Id: MW-12

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
716611-WS-S10	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0003	0.0450	0.0008	0.0491	0.0046	0.0000	30.44
	0.0002	0.0023	0.0006	0.0004	0.0002	0	0.2299
	48.4	5.1	73.8	0.8	3.7	67.5	0.8
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0018	0.0001	0.0004	0.0191	4.081	> 5.952	5.831
	0.0002	0.0001	0	0.0006	0.0373	0.1703	0.0306
	10.7	140.3	11.0	2.9	0.9	2.9	0.5
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.3151	0.0004	41.17	0.0001	-0.0012	8.095	-0.0013
	0.0022	0.0010	0.1891	0.0004	0.0012	0.0718	0.0015
	0.7	268.6	0.5	508.3	102.6	0.9	109.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0009	-0.0006	0.0034	-0.0030		0.0013	# -0.0016
	0.0012	0.0005	0.0001	0.0049		0.0006	0.0014
	138.9	81.2	2.5	167.6		46.6	86.8
Conc Mean Std Dev RSD %	Zn						
	0.0400						
	0.0090						
	22.4						

Lab Id: **CP97098**Measure Date: **2/2/2024 5:29:43 AM**Client Id: **MW-XX**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
716611-WS-S12	50	50	100	1	1.000	ppm	
Conc Mean	Ag	Al	As	B	Ba	Be	Ca
	0.0001	0.0556	0.0005	0.0499	0.0053	-0.0001	30.60
	Std Dev	0.0001	0.0002	0.0003	0.0001	0	0.0482
RSD %	53.3	0.4	72.2	0.7	2.8	56.3	0.2
Conc Mean	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0017	0.0001	0.0007	0.0223	4.132	> 5.567	5.558
	Std Dev	0.0001	0.0004	0.0004	0.0002	0.0149	0.0406
RSD %	3.7	337.5	55.7	1.0	0.4	2.4	0.7
Conc Mean	Mn	Mo	Na	Ni	Pb	S	Sb
	0.2745	0.0007	42.16	0.0005	-0.0007	8.211	0.0005
	Std Dev	0.0010	0.0005	0.1276	0.0006	0.0010	0.0015
RSD %	0.4	72.7	0.3	117.4	136.4	0.5	282.2
Conc Mean	Se	Sn	Ti	Tl	U	V	W
	0.0015	-0.0005	0.0039	-0.0056		0.0016	# -0.0023
	Std Dev	0.0005	0.0010	0.0001	0.0033	0.0004	0.0015
RSD %	34.9	210.2	2.4	59.6		27.9	64.1
Conc Mean	Zn						
	0.0317						
	Std Dev	0.0060					
RSD %	19.0						

Lab Id: **CCV**Measure Date: **2/2/2024 5:52:09 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2486	0.9922	0.9471	1.022	1.028	1.006	1.028
	0.0009	0.0024	0.0060	0.0042	0.0026	0.0016	0.0042
	0.4	0.2	0.6	0.4	0.3	0.2	0.4
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.014	1.020	1.036	0.9547	1.037	> 6.312	1.015
	0.0022	0.0049	0.0079	0.0030	0.0050	0.0273	0.0015
	0.2	0.5	0.8	0.3	0.5	0.4	0.1
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	1.002	1.011	> 5.606	1.032	0.9701	0.9348	0.9517
	0.0024	0.0045	0.0171	0.0056	0.0103	0.0036	0.0056
	0.2	0.4	0.3	0.5	1.1	0.4	0.6
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.9518	1.003	0.9976	0.9892		1.011	1.015
	0.0043	0.0071	0.0037	0.0113		0.0027	0.0116
	0.5	0.7	0.4	1.1		0.3	1.1
Conc Mean Std Dev RSD %	Zn						
	0.9531						
	0.0014						
	0.1						

Lab Id: **CCB**Measure Date: **2/2/2024 5:55:22 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	-0.0004	# -0.0015	0.0005	0.0016	-0.0007	0.0000	0.0015
	0.0002	0.0009	0.0008	0.0005	0.0001	0	0.0014
	40.1	56.6	156.0	28.3	20.8	920.0	93.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0001	-0.0002	0.0001	-0.0010	-0.0015	> 1.306	0.0005
	0.0001	0.0002	0.0002	0.0006	0.0002	0.0319	0.0001
	95.6	95.8	263.4	61.8	15.3	2.4	14.1
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0004	0.0008	> 0.6346	-0.0011	-0.0006	# 0.0007	0.0009
	0	0.0005	0.0109	0.0005	0.0014	0.0008	0.0022
	9.9	67.4	1.7	52.1	237.1	112.8	253.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0002	0.0016	0.0004	0.0012		-0.0008	# -0.0016
	0.0016	0.0011	0.0001	0.0020		0.0010	0.0016
	765.7	65.8	13.8	167.2		123.9	101.3
Conc Mean Std Dev RSD %	Zn						
	0.0003						
	0.0001						
	26.5						

Lab Id: **CRDL**Measure Date: **2/2/2024 5:58:34 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0052	0.0501	0.0193	0.0511	0.0103	0.0051	> 0.0669
	0.0005	0.0004	0.0005	0.0005	0.0002	0.0001	0.0007
	8.8	0.9	2.6	0.9	1.5	1.3	1.0
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0056	0.0052	0.0049	0.0045	0.0258	> 1.964	0.0535
	0.0002	0.0004	0.0004	0.0008	0.0008	0.0254	0.0009
	2.8	7.7	8.7	16.9	3.1	1.3	1.8
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0060	0.0517	> 1.089	0.0057	0.0080	0.4793	0.0237
	0.0001	0.0011	0.0200	0.0003	0.0031	0.0067	0.0026
	1.2	2.1	1.8	5.2	38.7	1.4	10.8
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0512	0.1065	0.0511	0.0208		0.0112	# -0.0018
	0.0013	0.0018	0.0004	0.0025		0.0013	0.0012
	2.5	1.7	0.9	12.0		11.6	65.8
Conc Mean Std Dev RSD %	Zn						
	0.0123						
	0.0004						
	3.0						

Lab Id: **ICSA**Measure Date: **2/2/2024 6:05:00 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0001	30.05	0.0009	0.0012	-0.0006	0.0000	> 157.7
	0.0002	0.1510	0.0008	0.0004	0	0	0.4954
	311.1	0.5	96.6	34.8	7.2	103.4	0.3
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0061	0.0009	0.0008	0.0001	128.5	> 1.232	75.68
	0.0001	0.0002	0.0004	0.0004	0.3885	0.0064	0.1930
	1.5	27.9	51.1	275.9	0.3	0.5	0.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0016	0.0005	24.82	0.0013	0.0049	0.0141	0.0045
	0.0001	0.0008	0.1527	0.0004	0.0025	0.0010	0.0016
	5.2	169.4	0.6	27.0	51.2	7.0	36.2
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	-0.0055	0.0010	-0.0002	-0.0017		-0.0005	# -0.0015
	0.0011	0.0015	0.0001	0.0023		0.0004	0.0013
	19.0	148.6	52.3	137.8		69.0	85.9
Conc Mean Std Dev RSD %	Zn						
	0.0123						
	0.0001						
	0.8						

Lab Id: **ICSAB**Measure Date: **2/2/2024 6:08:12 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	> 0.3041	30.93	0.9516	0.4891	0.3011	0.1003	> 160.6
	0.0022	0.1004	0.0068	0.0021	0.0018	0.0005	0.1515
	0.7	0.3	0.7	0.4	0.6	0.5	0.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.3139	0.3089	0.3073	0.3061	131.4	> 20.90	78.27
	0.0011	0.0025	0.0009	0.0024	0.2313	0.0389	0.4534
	0.3	0.8	0.3	0.8	0.2	0.2	0.6
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.2081	0.3029	25.58	0.3101	1.024	0.0132	0.9817
	0.0009	0.0015	0.1812	0.0013	0.0019	0.0012	0.0091
	0.4	0.5	0.7	0.4	0.2	9.4	0.9
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.4647	-0.0003	0.9919	1.050		0.3034	# -0.0006
	0.0057	0.0004	0.0035	0.0032		0.0007	0.0004
	1.2	139.8	0.4	0.3		0.2	72.9
Conc Mean Std Dev RSD %	Zn						
	0.2996						
	0.0007						
	0.2						

NWW

Total Metals Digestion, Waters

TMD-WM-716611

QAQC Code #Q\$ICP

QAQC Sample # CP97097

02/01/24 2:53 PM

	Sample / C#	Acode	Dept	Initial Vol(ml)	Auto Block #	Final Vol (ml)	IPH	Comments	Start Date	Finish Date	Initials
0	CP97097	BLK	ICP2, VOA	50	5	50	<2	2NY ASP	02/01	02/02	AG
0	CP97097	LCS		50	5	50	<2	0.5 mL ea	02/01	02/02	AG
0	CP97097	LCSD		50	5	50	<2	0.5 mL ea	02/01	02/02	AG
0	CP97097	MS		50	5	50	<2	0.5 mL ea	02/01	02/02	AG
0	CP97097	DUP		50	5	50	<2		02/01	02/02	AG
1	CP96795 - 4	TMD-WM	AA1 ICP6	50	5	50	<2	DO NOT	02/01	02/02	AG
2	CP97391 * - 1	TMD-WM	ICP1	50	5	50	<2	SALTED	02/01	02/02	AG
3	CP97490 - 4	TMD-WM	ICP5 HG	50	5	50	<2		02/01	02/02	AG
4	CP97522 - 1	TMD-WM	ICP1	50	5	50	<2		02/01	02/02	AG
5	CP98563 * - 1	TMD-WM	ICP4	1	5	50	14	positive ko	02/01	02/02	AG
6	CP98564 * - 1	TMD-WM	ICP4	1	5	50	14	negative k	02/01	02/02	AG
7	CP97791	TMD-WM	ICP6	-	5	-	7	ADD ON 2	02/01	02/01	AG
8	CP97792	TMD-WM	ICP6	-	5	-	7	ADD ON 2	02/01	02/01	AG
9	CP97793	TMD-WM	ICP6	-	5	-	7	ADD ON 2	02/01	02/01	AG
10	CP97096 - 3	TMD-WM	ICP2	50	5	50	<2	NY ASP C	02/01	02/02	AG
11	CP97097 - 6	TMD-WM	ICP2	50	5	50	<2	NY ASP C	02/01	02/02	AG
12	CP97098 - 5	TMD-WM	ICP2	50	5	50	<2	NY ASP C	02/01	02/02	AG
13	CP97140 - 9	TMD-WM	ICP19 ICPMS3	50	5	50	<2	NY ASP C	02/01	02/02	AG
14	CP99103 * - 1	TMD-WM	ICP1	50	5	50	<2		02/01	02/02	AG
15	CP99104 * - 1	TMD-WM	ICP1	50	5	50	<2		02/01	02/02	AG
16	CP98868 - 0	TMD-WM	ICP7 HG	-	5	-	7		02/01	02/01	
17	CP98869 - 0	TMD-WM	ICP7 HG	-	5	-	7		02/01	02/01	
18	CP98870 - 0	TMD-WM	ICP7 HG	-	5	-	7		02/01	02/01	
19	CP98871 - 0	TMD-WM	ICP7 HG	-	5	-	7		02/01	02/01	
20	CP98872 - 0	TMD-WM	ICP7 HG	-	5	-	7		02/01	02/01	

QC Rpt Cmmt

Prep Comment Metals: Ag1, Al2, As2, Ba1, Be1, Ca1, Cd3, Co1, Cr3, Cu5, Fe7, K1, Mg1, Mn4, Mo1, Na3, Ni4, Pb2, V1, Zn3 ||

Post Comment

Surrogate Id #

Tracking #

Time In 19:15

Spike #

Tracking #

Time Out 0:45

LCSID #

Tracking #

Temp 95

Standards

Time Basic

Vendor Id	Item ID	Phoenix Lot Number	Vendor Lot Number	Expiration Date
Absolute Stand	Zirconium (Zr)			
Fisher	Hydrochloric Acid			
Fisher	Nitric Acid			
Inorganic Ventu	Second Source 1			
Inorganic Ventu	Second Source 2			
Inorganic Ventu	TUNGSTEN 1000PPM 125ml			
Inorganic Ventu	Zirconium 1000ppm			
Phoenix	100 PPM Gold HCL 125mL			
VWR	NITRIC ACID			

!!! Same Day * Rush 24 ** Rush
02/18/2024

Phoenix Environmental Laboratories, Inc.

2/13/2024 10:55:35 AM
Page 396 of 434



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Preferred Environmental Services

SID HARVEY

Laboratory Project: GCP97096

General Chemistry
Ver 1

Inorganic Data Flags

- C (Concentration) Qualifiers:

- J – The reported value was obtained from a reading that was less than the Reporting Level (RL) but greater than or equal to the Instrument Detection Limit (IDL)
- U – The analyte was analyzed for but not detected at or above the IDL

- Q Qualifiers:

- E - The reported value is estimated because of the presence of interference. An explanatory note shall be included in the project narrative (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M- Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

- M (Method) Qualifiers:

- “P” - ICP
- “A” - Flame AA
- “F” - Furnace AA
- “PM” - ICP when Microwave Digestion is used
- “AM” - Flame AA when Microwave Digestion is used
- “FM” - Furnace AA when Microwave Digestion is used
- “CV” - Manual Cold Vapor AA
- “AV” - Automated Cold Vapor AA
- “CA” - Midi-Distillation Spectrophotometric
- “AS” - Semi-Automated Spectrophotometric
- “C” - Manual Spectrophotometric
- “T” - Titrimetric
- “ ” - where no data have been entered
- “NR” - the analyte is not required to be analyzed
- “G” - Gravimetric

SDG: GCP97096

General Chemistry Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

Form 1 (Analysis):

The following samples/analytes were flagged for non-compliance: None.

Form 2A (Initial & Continuing Calibration Verification):

All Initial and Continuing Calibrations met criteria with the following exceptions: None.

Form 3 (Continuing and Preparation Blanks):

All Continuing and Preparation Blanks were Non-Detect with the following exceptions: None.

Form 5 (Matrix Spikes):

All Matrix Spikes met criteria with the following exceptions: None.

Form 6 (Duplicates):

All Sample Duplicates met criteria with the following exceptions: None.

Form 7 (Laboratory Control Samples):

All Laboratory Control Samples met criteria with the following exceptions: None.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.



02/13/24

Alejandro Paredes

Project Manager

MW-12

Lab Name:	Phoenix Environmental Labs	Client:	PREFRDNY
Lab Code:	Phoenix	SDG No.:	GCP97096
Lab Sample Id:	CP97096	Sample Matrix:	GROUND WATER
Date Received:	1/30/2024	Percent Solids:	n.a.

[illegible]

MW-3I

Lab Name:	Phoenix Environmental Labs	Client:	PREFRDNY
Lab Code:	Phoenix	SDG No.:	GCP97096
Lab Sample Id:	CP97097	Sample Matrix:	GROUND WATER
Date Received:	1/30/2024	Percent Solids:	n.a.

[illegible]

MW-XX

Lab Name:	Phoenix Environmental Labs	Client:	PREFRDNY
Lab Code:	Phoenix	SDG No.:	GCP97096
Lab Sample Id:	CP97098	Sample Matrix:	GROUND WATER
Date Received:	1/30/2024	Percent Solids:	n.a.

[illegible]

SDG: GCP97096

IC - Drinking Water Criteria (95 - 105)
IC - Non-Drinking Water Criteria (90 - 110)
CC - Drinking Water Criteria (90 - 110)

SDG: GCP97096[illegible]

Client: PREFRDNY

SDG No.: GCP97096

[illegible]

Client: PREFRDNY

SDG No.: GCP97096[illegible]

Client: PREFRDNY

SDG No.: GCP97096

[illegible]

14
GENERAL CHEMISTRY ANALYSIS RUN LOG

Lab Name:	Phoenix Environmental Labs	Client:	PREFRDNY
Lab Code:	Phoenix	SDG:	GCP97096
Instrument:	IC	Method:	IC
Start Date:	01/30/24 16:33	End Date:	01/30/24 23:17

Sequence File: P:\ICData\DIONEX-BACKUP120\Sequence\January 2024\013024_#1_A.seq\

Lab Sample ID	Client Sample ID	D/F	Time	Analytes																	
				No2	No3	SO4	Cl														
Standard F	Standard F		16:33	X	X	X															
Standard E	Standard E		16:41	X	X	X															
Standard D	Standard D		16:50	X	X	X															
Standard C	Standard C		16:58	X	X	X															
LCS # 1	LCS # 1		17:24																		
CALCHK C	CALCHK C		17:33																		
LFB	LFB		17:42																		
PB	CB		17:50	X	X	X															
CP96609	CP96609		17:59																		
CP96786	CP96786		18:07																		
CP96578	CP96578		18:16																		
CP96633	CP96633		18:25																		
CP96691	CP96691		18:33																		
CP96694	CP96694		18:42																		
CP96700	CP96700		18:50																		
CP96988	CP96988		18:59																		
CP96989	CP96989		19:08																		
CP96987	CP96987		19:16																		
CALCHK C	CC		19:25	X	X	X															
CP96742 BLK	CB		19:33	X	X	X															
CP97096	CP97096		19:42	X	X	X															
CP97097	CP97097		19:51	X	X	X															
CP97098	CP97098		19:59	X	X	X															
CP96990	CP96990		20:08																		
CP97211	CP97211		20:17																		
CP97212	CP97212		20:25																		
CP96578 REP	CP96578 REP		20:34																		
CP96578 SPK	CP96578 SPK		20:42																		
CP96742 LCS	CP96742 LCS		21:07	X	X	X															
CALCHK C	CC		21:15	X	X	X															
CALCHK C	CC		21:23	X	X	X															
CP96713	CP96713		21:32																		
CP96742	CP96742		21:40																		
CP96784	CP96784		21:48																		
CP96811	CP96811		21:56																		
CP96917	CP96917		22:04																		
CP96970	CP96970		22:12																		
CP96971	CP96971		22:20																		

Sequence File: P:\ICData\DIONEX-BACKUP120\Sequence\January 2024\013024 #1 A.seq\

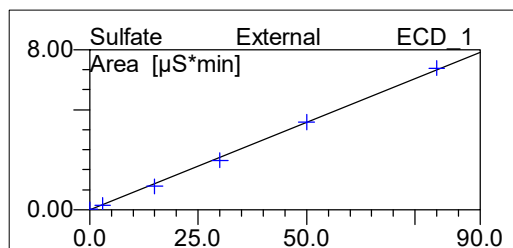
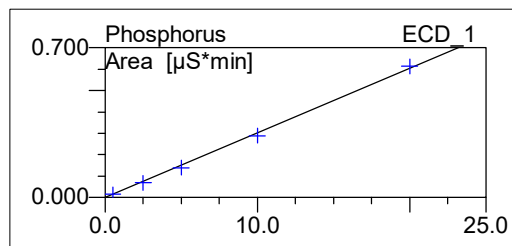
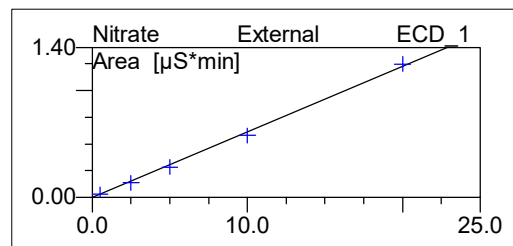
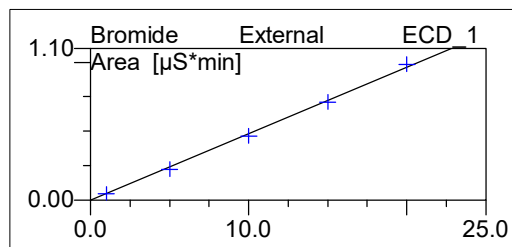
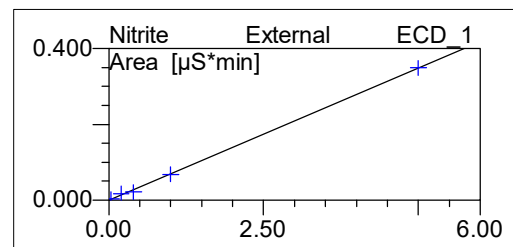
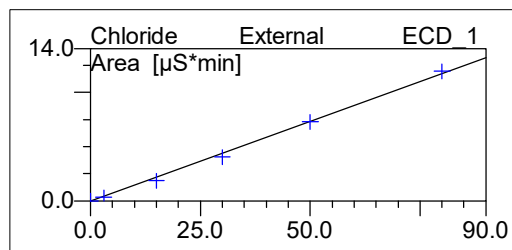
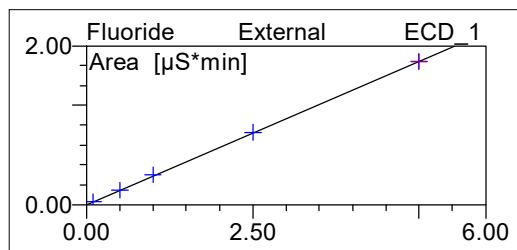
[illegible]

[illegible]

6**013024 #1 A**

Sample Name: **Standard A**
 Vial Number: **6**
 Sample Type: **standard**
 Control Program: **EPA 300_0**
 Quantif. Method: **EPA 300_0**
 Recording Time: **1/30/2024 17:16**
 Run Time (min): **7.00**

Injection Volume: **25.0**
 Channel: **ECD_1**
 Wavelength: **n.a.**
 Bandwidth: **n.a.**
 Dilution Factor: **1.0000**
 Sample Weight: **1.0000**
 Sample Amount: **1.0000**



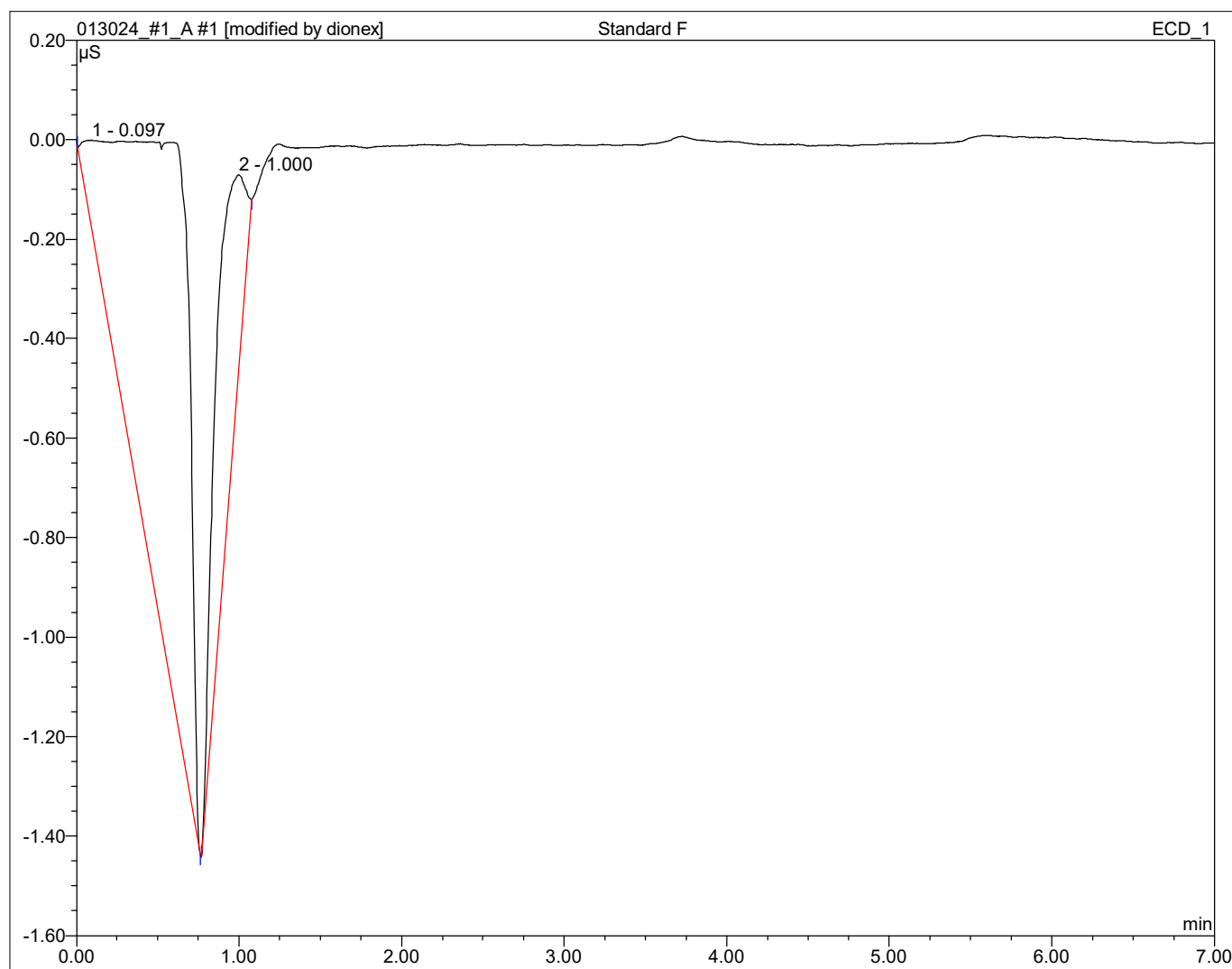
No.	Ret.Time min	Peak Name	Cal.Type	Points	Corr.Coeff. %	Offset	Slope	Curve
1	0.81	Fluoride	Lin	5	99.9966	0.0000	0.3613	0.0000
2	1.26	Chloride	Lin	5	99.9755	0.0000	0.2680	0.0000
3	1.41	Nitrite	Lin	4	99.9964	0.0000	0.1054	0.0000
4	2.04	Bromide	Lin	5	99.8219	0.0000	0.0903	0.0000
5	2.27	Nitrate	Lin	5	99.9497	0.0000	0.1157	0.0000
6	5.30	Sulfate	Lin	5	99.9602	0.0000	0.1644	0.0000
Average:					99.9500	0.0000	0.1842	0.0000

013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id Standard F	Analyte	Amount	Result	% LCS #1	% S#XY6	% CALCHK C	% LFB	% LOO
Dilution: 1.0000	Fluoride	n.a.						
	Chloride	n.a.						
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	n.a.			#VALUE!			
01-30-24 16:33	Sulfate	n.a.						

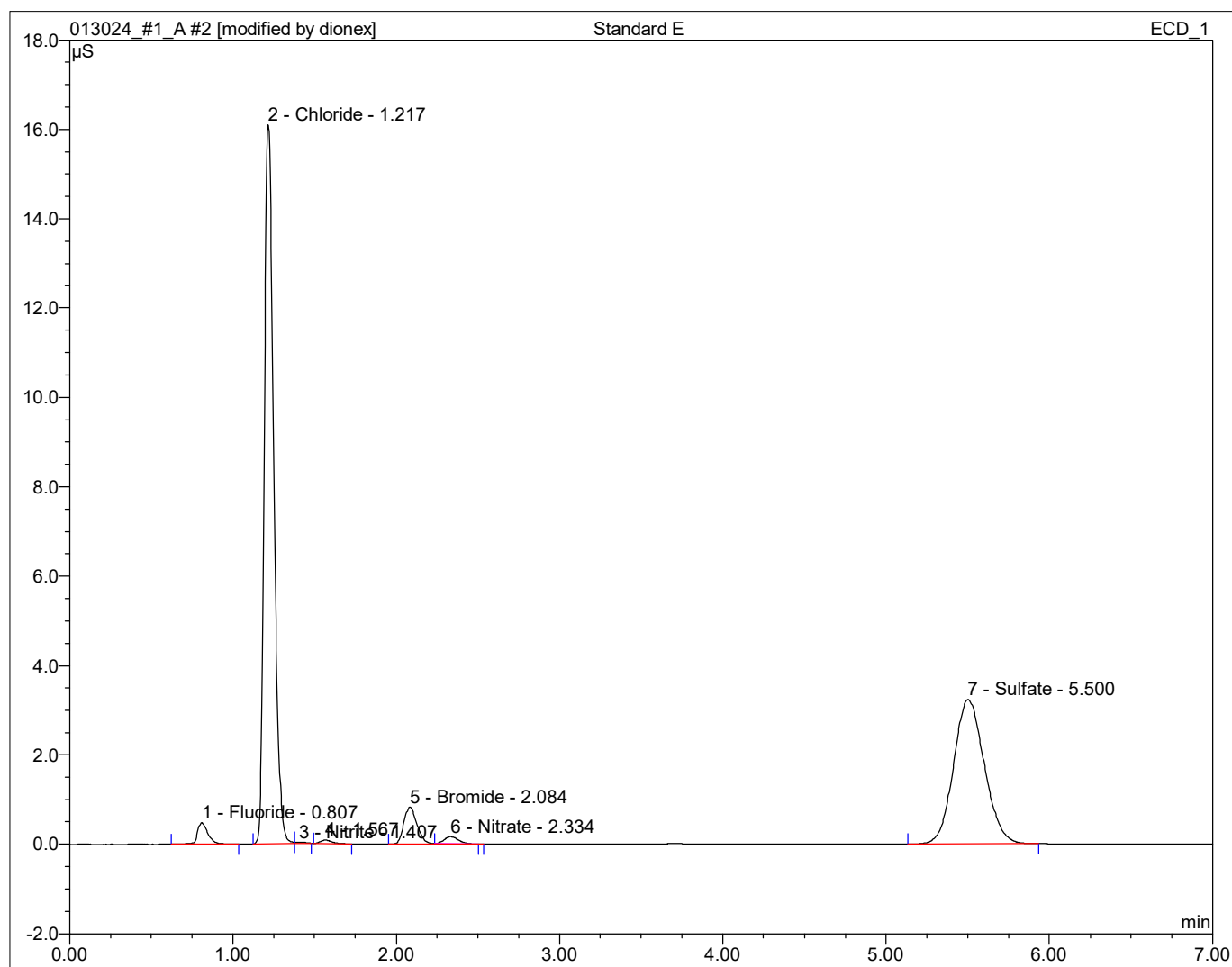


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id Standard E	Analyte	Amount	Result	% LCS #1	% S#XY6	% CALCHK C	% LFB	% LOQ
Dilution: 1.0000	Fluoride	0.0996	0.10	10.0	0.4	10.0	8.0	199.1
	Chloride	3.9975	4.00	13.3	1.3	13.3	16.0	159.9
	Nitrite	0.0176	0.0053	1.1	2.1	17.6	7.1	352.8
	Bromide	0.8874	0.89	8.9	2.9	8.9	11.8	177.5
	Nitrate	0.1394	0.0315	2.8	0.1	27.9	9.3	557.6
01-30-24 16:41	Sulfate	4.3073	4.31	14.4	1.0	14.4	17.2	172.3

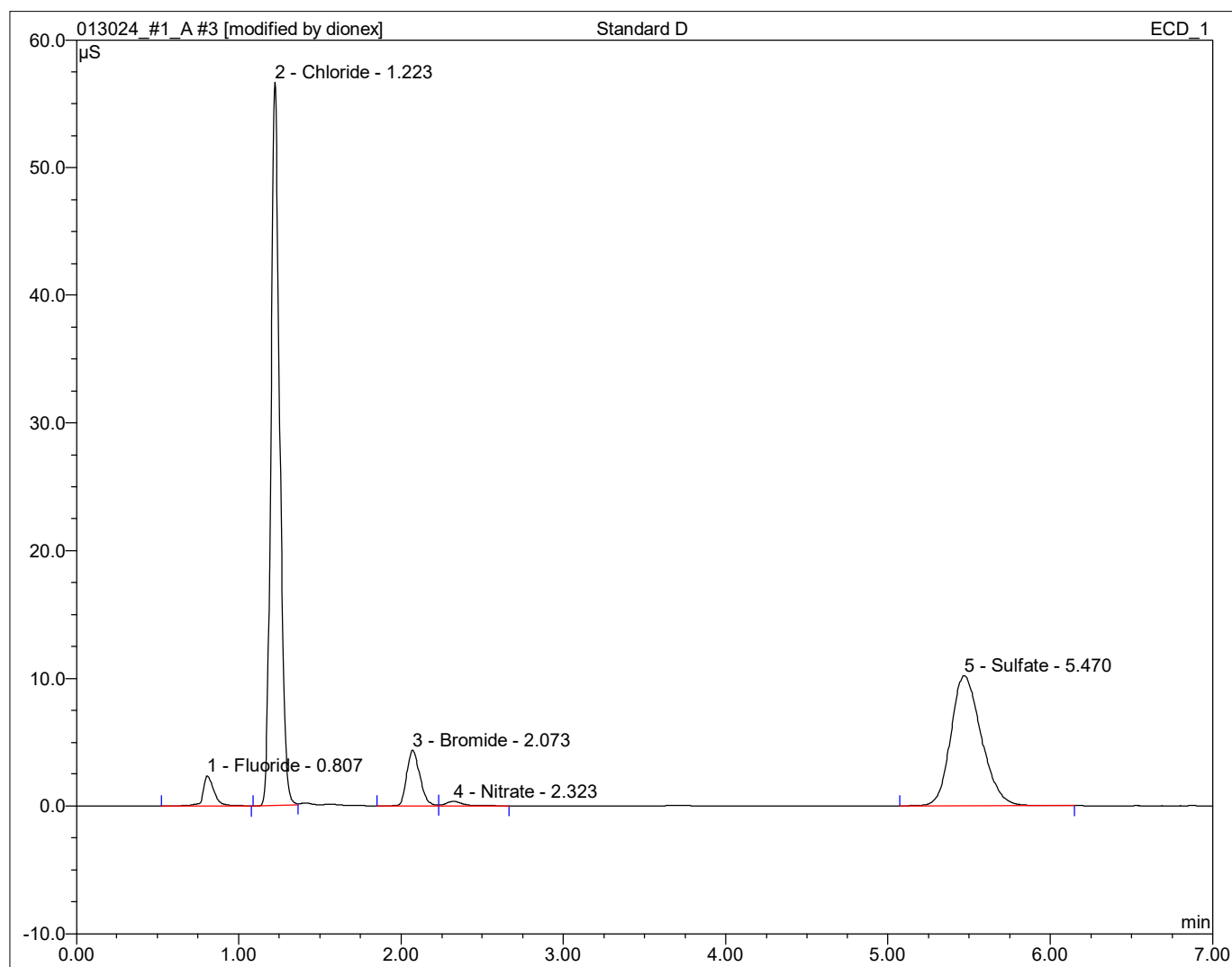


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id Standard D	Analyte	Amount	Result	% LCS #1	% S#XY6	% CALCHK C	% LFB	% LOQ
Dilution: 1.0000	Fluoride	0.5146	0.51	51.5	2.3	51.5	41.2	1029.2
	Chloride	13.3757	13.38	44.6	4.2	44.6	53.5	535.0
	Nitrite	n.a.						
	Bromide	4.4616	4.46	44.6	14.4	44.6	59.5	892.3
	Nitrate	0.3317	0.0750	6.6	0.2	66.3	22.1	1326.9
01-30-24 16:50	Sulfate	13.5193	13.52	45.1	3.3	45.1	54.1	540.8

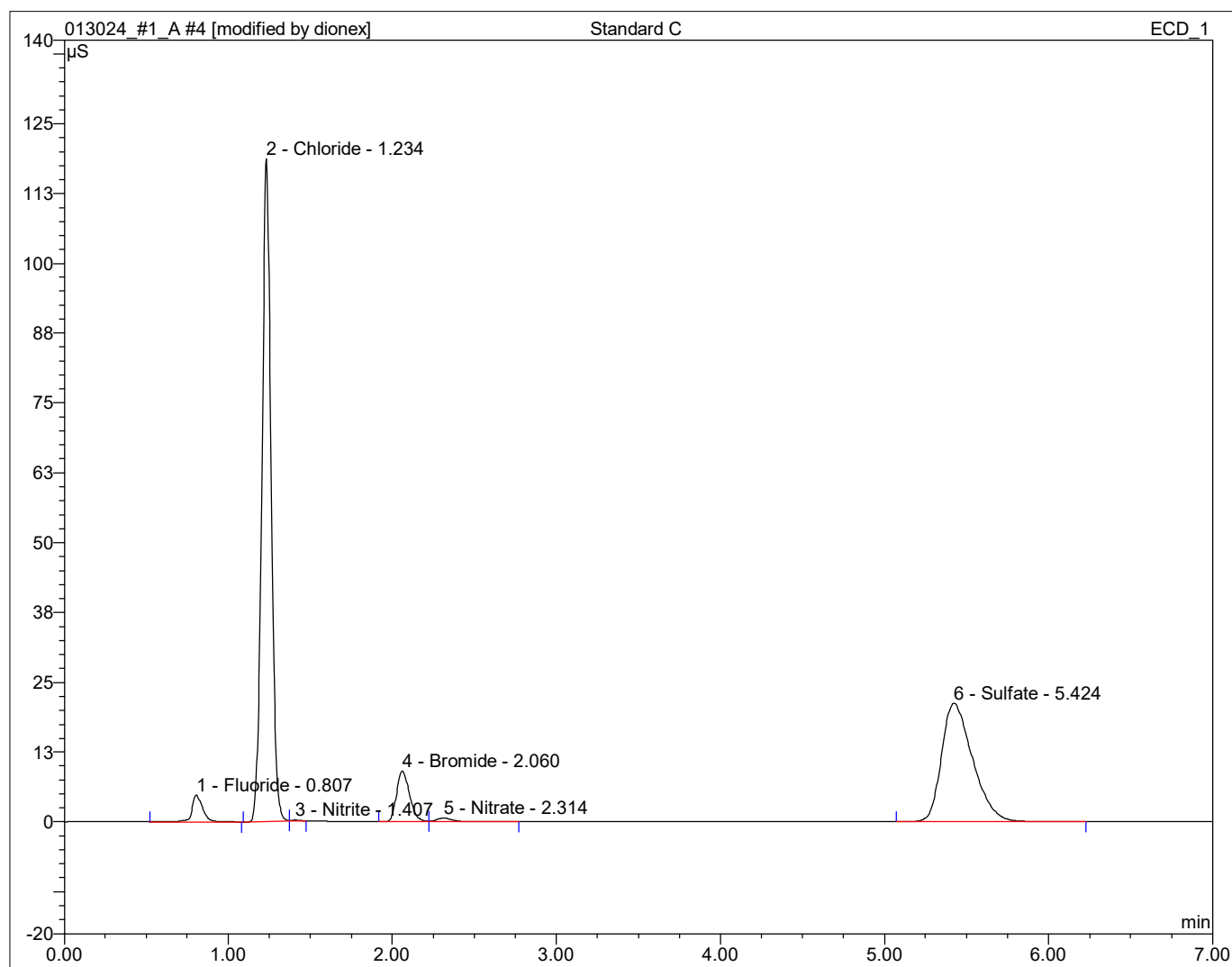


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id Standard C	Analyte	Amount	Result	% LCS #1	% S#XY6	% CALCHK C	% LFB	% LOQ
Dilution: 1.0000	Fluoride	1.0375	1.04	103.7	4.6	103.7	83.0	2075.0
	Chloride	28.5303	28.53	95.1	8.9	95.1	114.1	1141.2
	Nitrite	0.1031	0.0309	6.2	12.4	103.1	41.3	2062.6
	Bromide	9.1900	9.19	91.9	29.6	91.9	122.5	1838.0
	Nitrate	0.6349	0.1435	12.7	0.3	127.0	42.3	2539.5
01-30-24 16:58	Sulfate	28.3917	28.39	94.6	6.9	94.6	113.6	1135.7

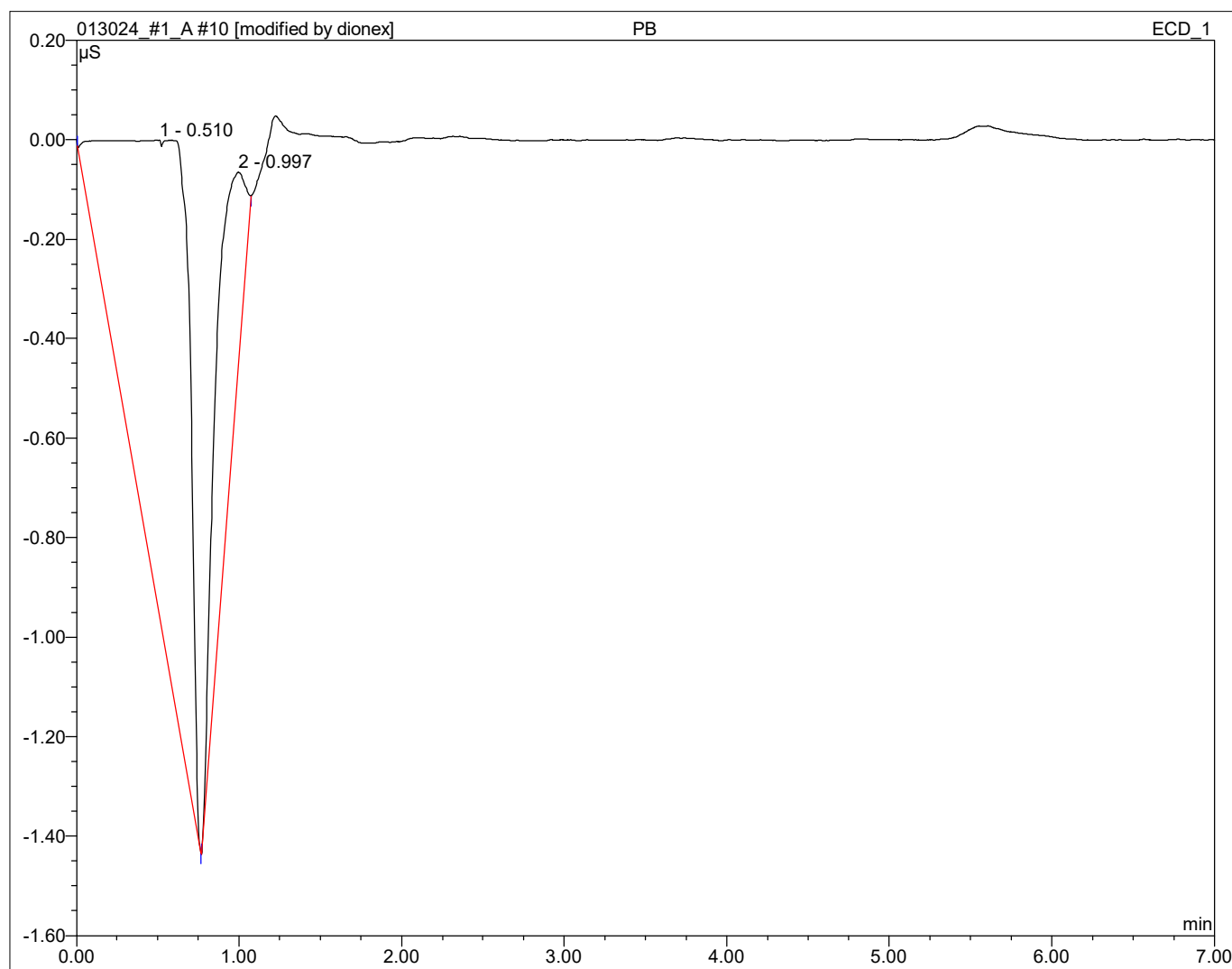


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id PB	Analyte	Amount	Result	% LCS #1	% S#XY6	% CALCHK C	% LFB	% LOO
Dilution: 1.0000	Fluoride	n.a.						
	Chloride	n.a.						
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	n.a.			#VALUE!			
01-30-24 17:50	Sulfate	n.a.						

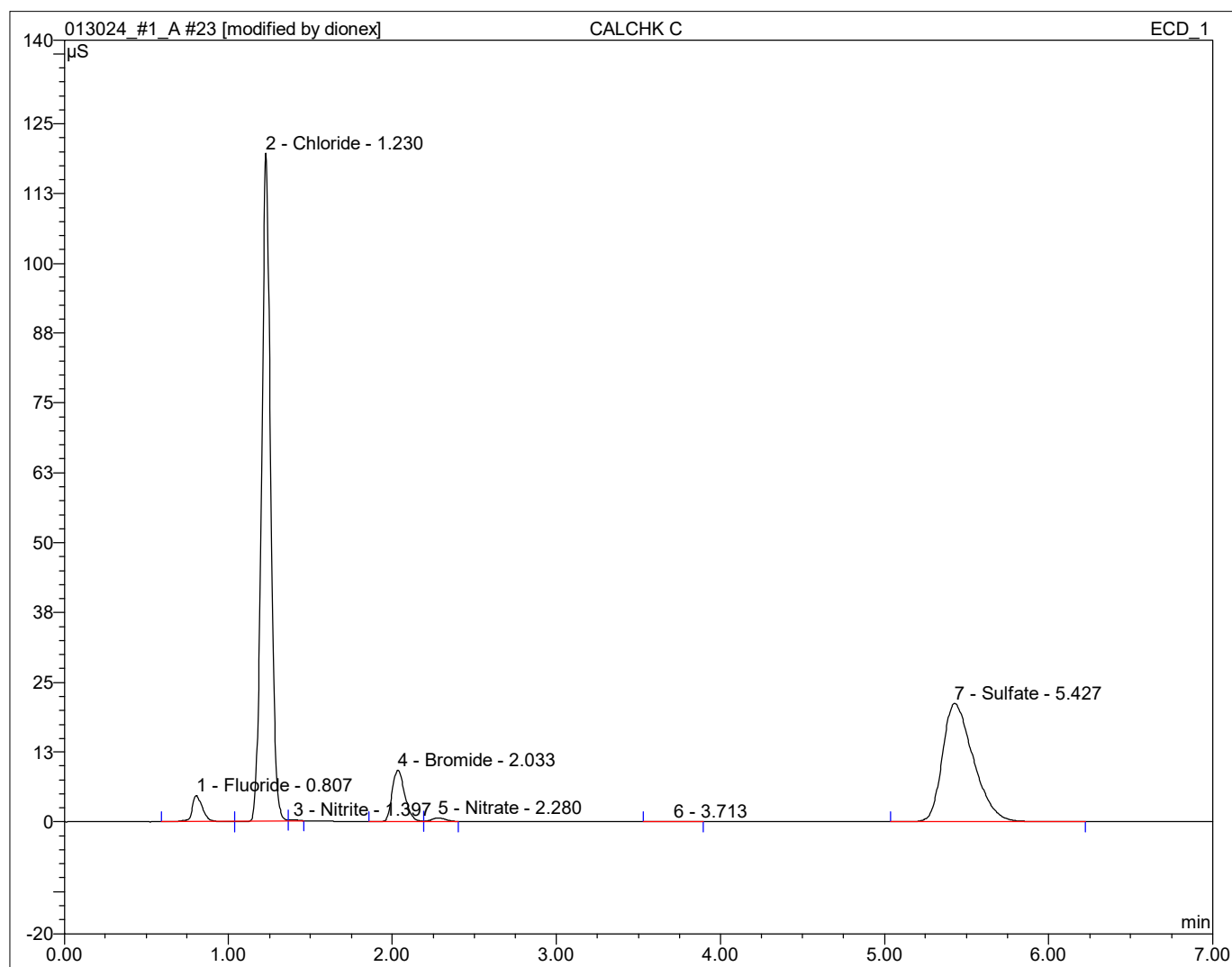


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALCHK C				LCS #1	S#XY6	CALCHK C	LFB	LOQ
Dilution: 1.0000	Fluoride	0.9076	0.91	90.8	4.0	90.8	72.6	1815.2
	Chloride	28.2744	28.27	94.2	8.9	94.2	113.1	1131.0
	Nitrite	0.0954	0.0286	5.7	11.4	95.4	38.1	1907.2
	Bromide	9.0401	9.04	90.4	29.2	90.4	120.5	1808.0
	Nitrate	0.5376	0.1215	10.8	0.3	107.5	35.8	2150.5
01-30-24 19:25	Sulfate	28.2589	28.26	94.2	6.9	94.2	113.0	1130.4

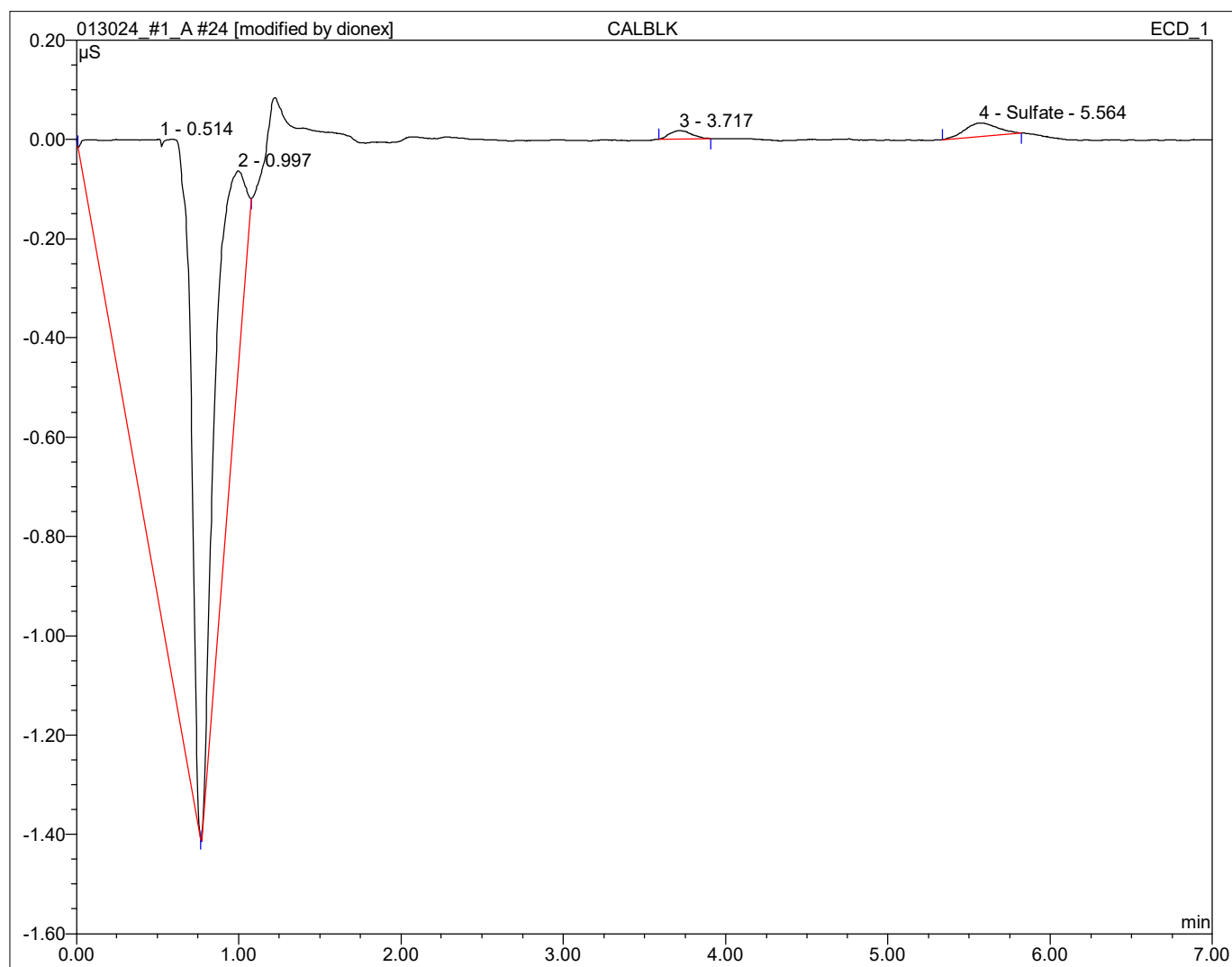


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALBLK				LCS #1	S#XY6	CALCHK C	LFB	LOO
Dilution: 1.0000	Fluoride	n.a.						
	Chloride	n.a.						
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	n.a.			#VALUE!			
01-30-24 19:33	Sulfate	0.0389	0.04	0.1	0.0	0.1	0.2	1.6

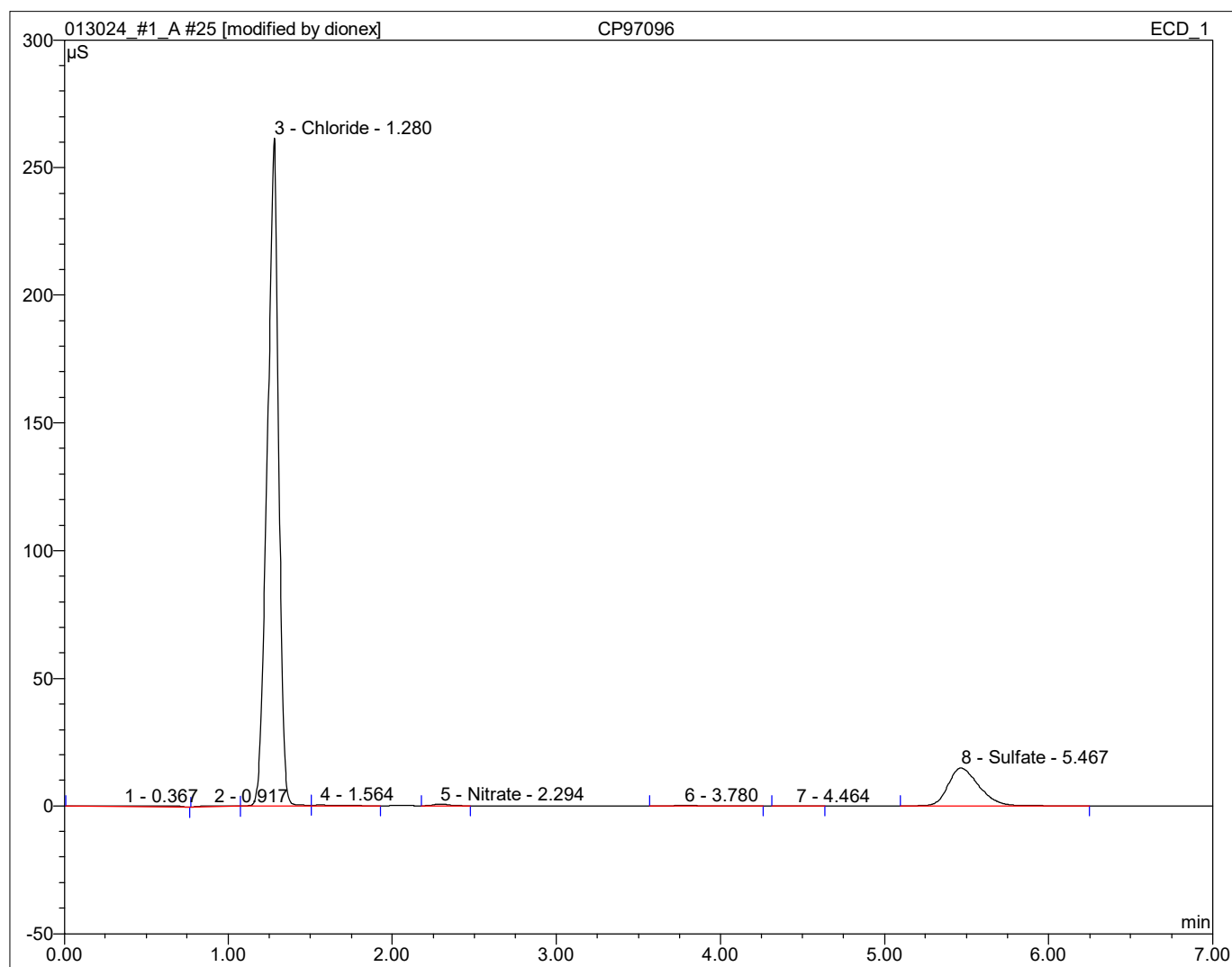


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CP97096				LCS #1	S#XY6	CALCHK C	LFB	LOO
Dilution: 1.0000	Fluoride	n.a.						
	Chloride	78.4813	78.48	261.6	24.6	261.6	313.9	3139.3
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	0.5891	0.1331	11.8	0.3	117.8	39.3	2356.4
01-30-24 19:42	Sulfate	19.3778	19.38	64.6	4.7	64.6	77.5	775.1

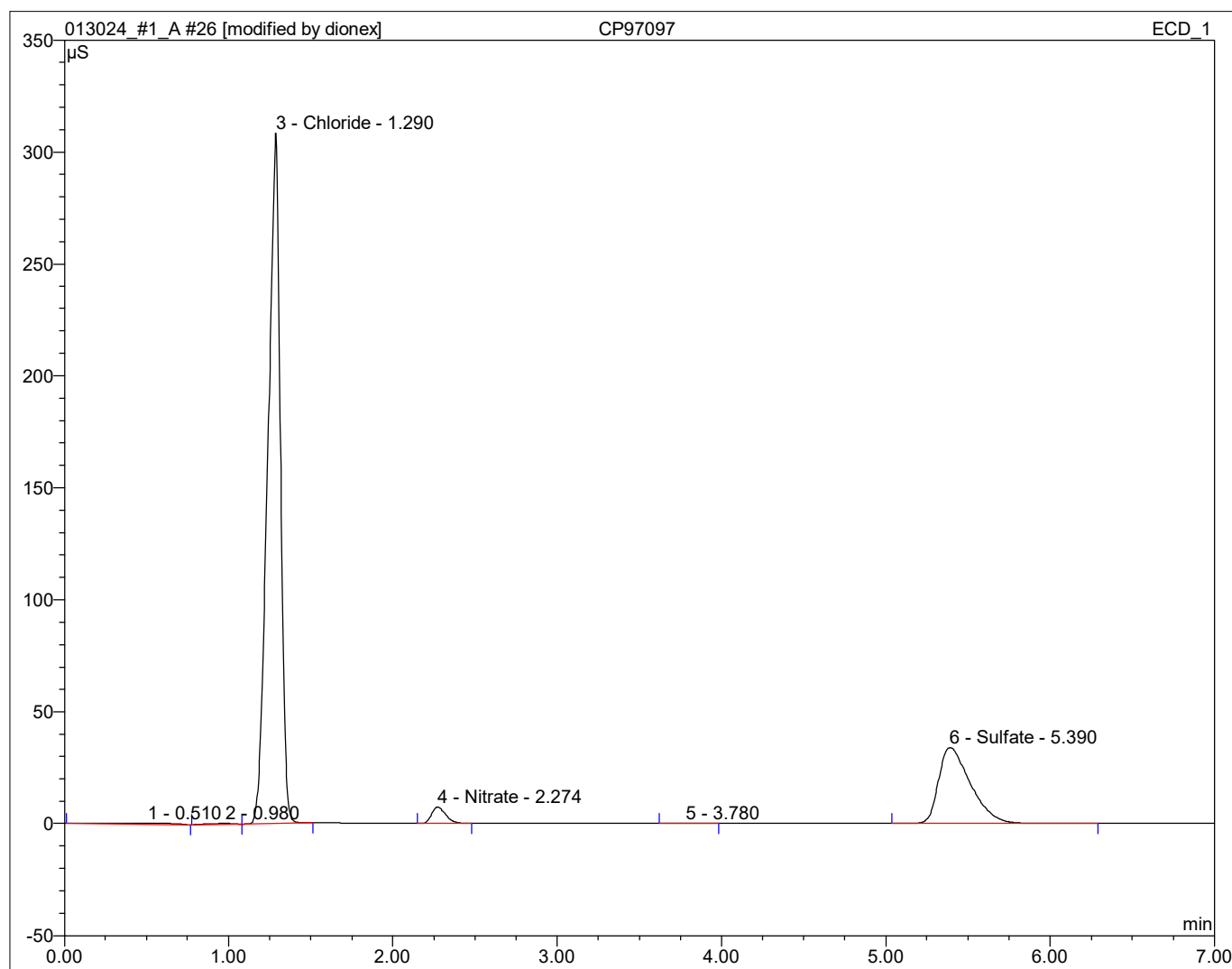


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CP97097				LCS #1	S#XY6	CALCHK C	LFB	LOO
Dilution: 1.0000	Fluoride	n.a.						
	Chloride	101.6725	101.67	338.9	31.9	338.9	406.7	4066.9
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	6.2590	1.4145	125.2	3.4	1251.8	417.3	25036.0
01-30-24 19:51	Sulfate	46.3116	46.31	154.4	11.2	154.4	185.2	1852.5

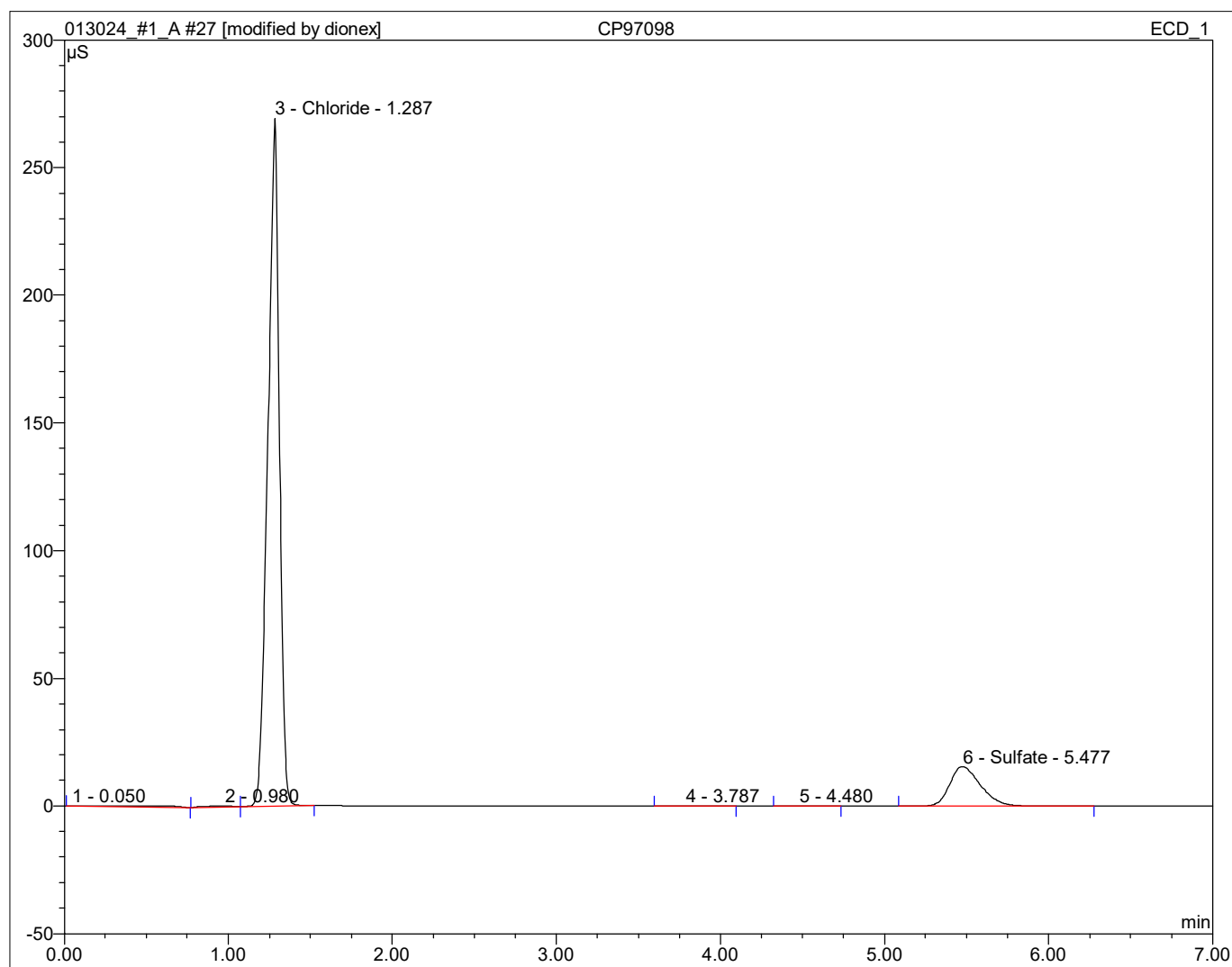


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	% LCS #1	% S#XY6	% CALCHK C	% LFB	% LOQ
CP97098								
Dilution: 1.0000	Fluoride	n.a.						
	Chloride	82.2244	82.22	274.1	25.8	274.1	328.9	3289.0
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	n.a.			#VALUE!			
01-30-24 19:59	Sulfate	20.4946	20.49	68.3	5.0	68.3	82.0	819.8

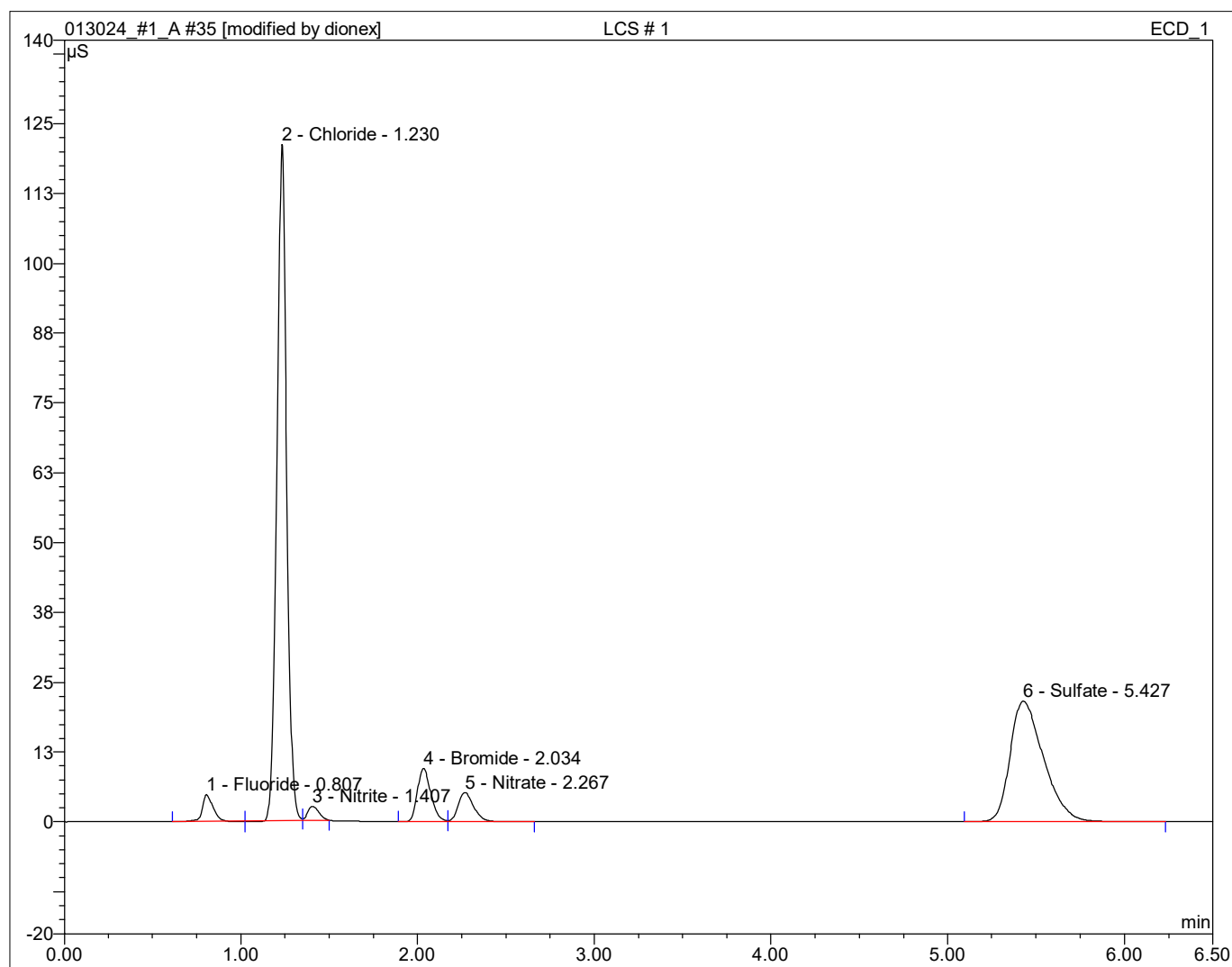


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
LCS # 1				LCS #1	S#XY6	CALCHK C	LFB	LOQ
Dilution: 1.0000	Fluoride	0.9162	0.92	91.6	4.1	91.6	73.3	1832.3
	Chloride	28.7116	28.71	95.7	9.0	95.7	114.8	1148.5
	Nitrite	1.7012	0.5104	101.9	204.2	1701.2	680.5	34024.0
	Bromide	9.3728	9.37	93.7	30.2	93.7	125.0	1874.6
	Nitrate	4.6009	1.0398	92.0	2.5	920.2	306.7	18403.6
01-30-24 21:07	Sulfate	28.9328	28.93	96.4	7.0	96.4	115.7	1157.3

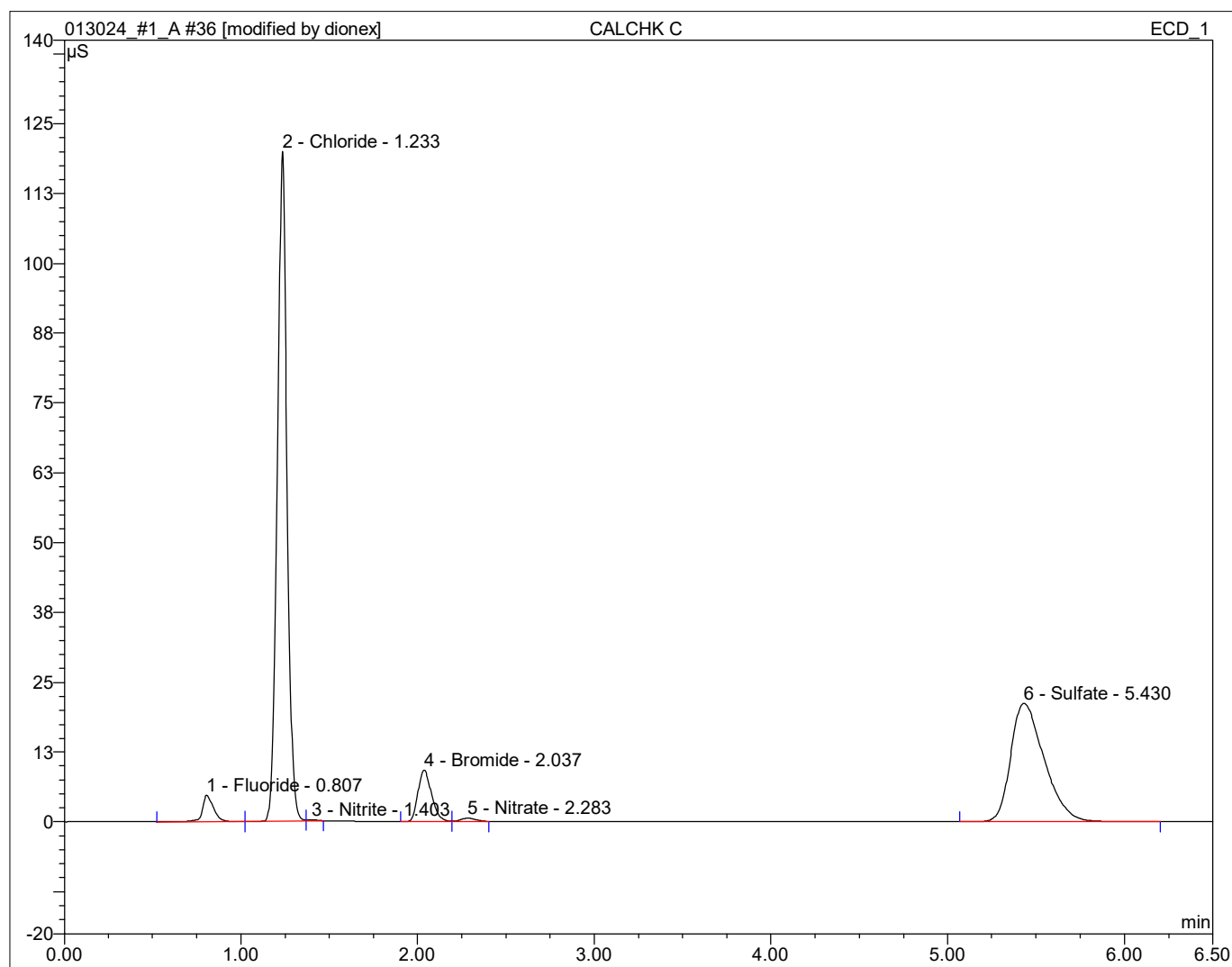


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALCHK C				LCS #1	S#XY6	CALCHK C	LFB	LOQ
Dilution: 1.0000	Fluoride	0.9288	0.93	92.9	4.1	92.9	74.3	1857.5
	Chloride	28.4475	28.45	94.8	8.9	94.8	113.8	1137.9
	Nitrite	0.1060	0.0318	6.3	12.7	106.0	42.4	2120.2
	Bromide	9.1324	9.13	91.3	29.5	91.3	121.8	1826.5
	Nitrate	0.5242	0.1185	10.5	0.3	104.8	34.9	2096.9
01-30-24 21:15	Sulfate	28.4232	28.42	94.7	6.9	94.7	113.7	1136.9

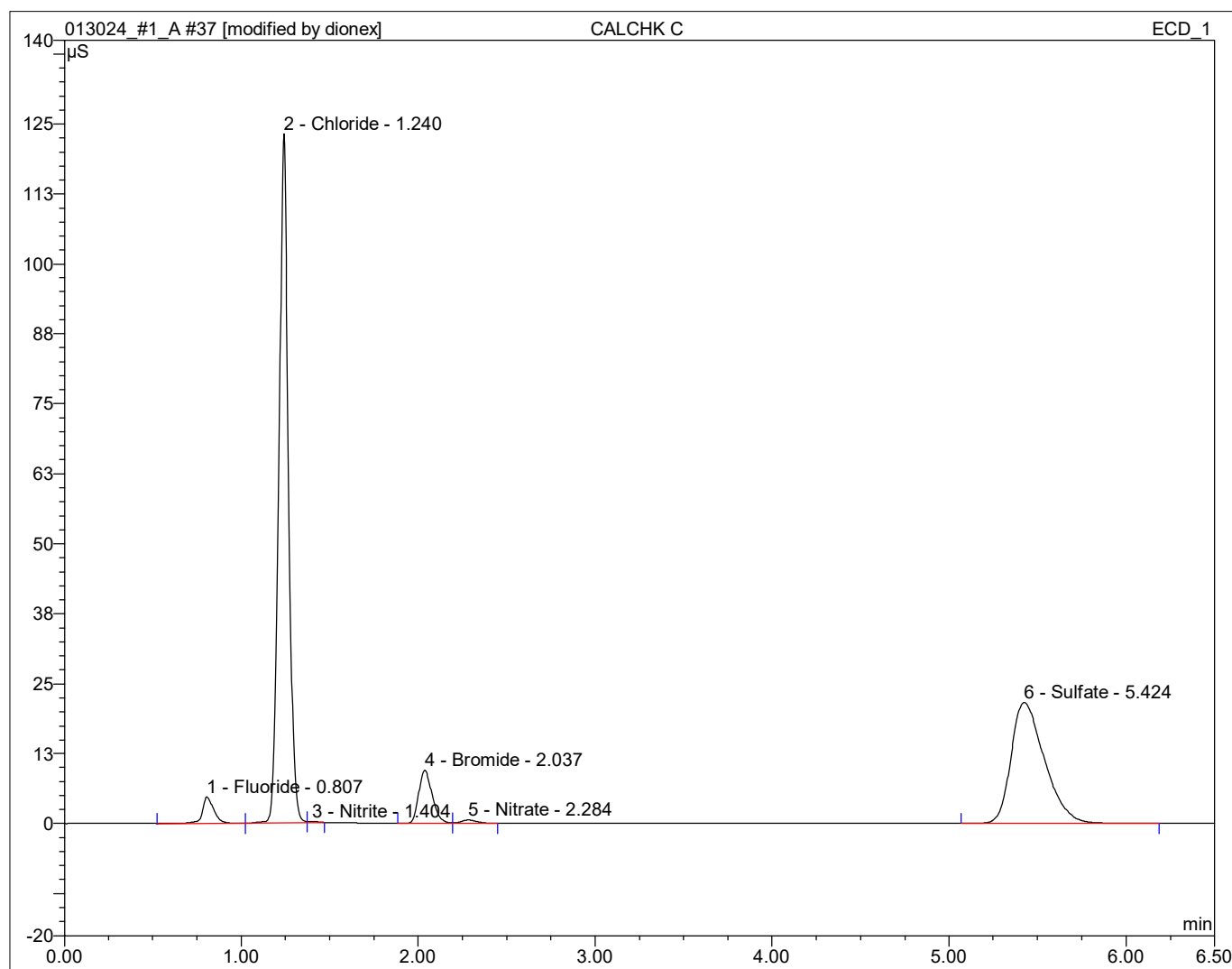


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALCHK C				LCS #1	S#XY6	CALCHK C	LFB	LOO
Dilution: 1.0000	Fluoride	0.9456	0.95	94.6	4.2	94.6	75.7	1891.3
	Chloride	28.9742	28.97	96.6	9.1	96.6	115.9	1159.0
	Nitrite	0.1111	0.0333	6.7	13.3	111.1	44.4	2221.7
	Bromide	9.3338	9.33	93.3	30.1	93.3	124.5	1866.8
	Nitrate	0.5421	0.1225	10.8	0.3	108.4	36.1	2168.3
01-30-24 21:23	Sulfate	28.8842	28.88	96.3	7.0	96.3	115.5	1155.4

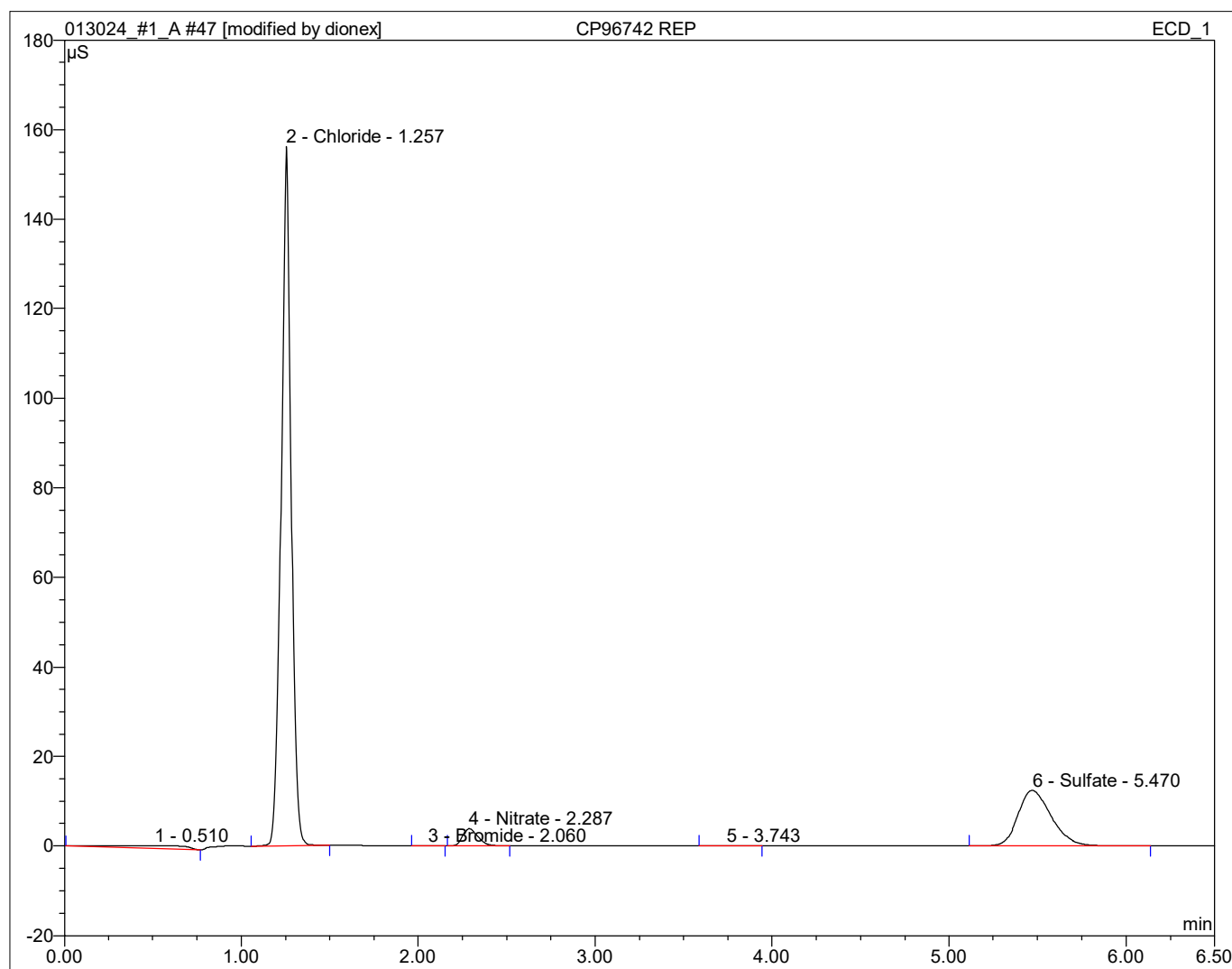


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CP96742 REP				LCS #1	S#XY6	CALCHK C	LFB	LOO
Dilution: 1.0000	Fluoride	n.a.						
	Chloride	38.8509	38.85	129.5	12.2	129.5	155.4	1554.0
	Nitrite	n.a.						
	Bromide	0.0245	0.02	0.2	0.1	0.2	0.3	4.9
	Nitrate	3.3364	0.7540	66.7	1.8	667.3	222.4	13345.8
01-30-24 22:45	Sulfate	16.3802	16.38	54.6	4.0	54.6	65.5	655.2

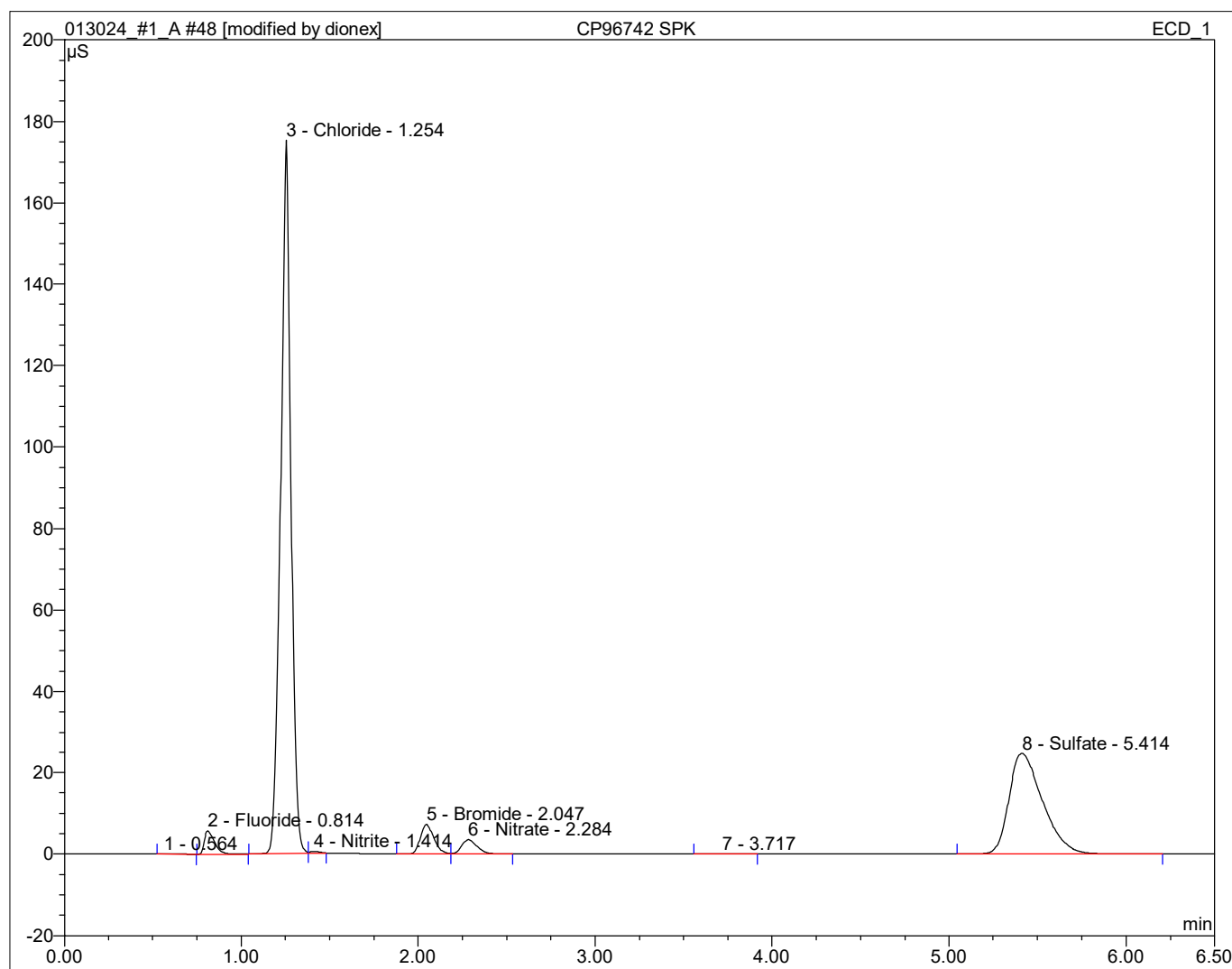


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CP96742 SPK				LCS #1	S#XY6	CALCHK C	LFB	LOQ
Dilution: 2.0000	Fluoride	2.2516	2.25	225.2	10.0	225.2	180.1	4503.1
	Chloride	89.4290	89.43	298.1	28.0	298.1	357.7	3577.2
	Nitrite	0.4681	0.1404	28.0	56.2	468.1	187.2	9361.8
	Bromide	14.2987	14.30	143.0	46.1	143.0	190.6	2859.7
	Nitrate	6.2144	1.4044	124.3	3.4	1242.9	414.3	24857.5
01-30-24 22:53	Sulfate	66.0633	66.06	220.2	16.0	220.2	264.3	2642.5

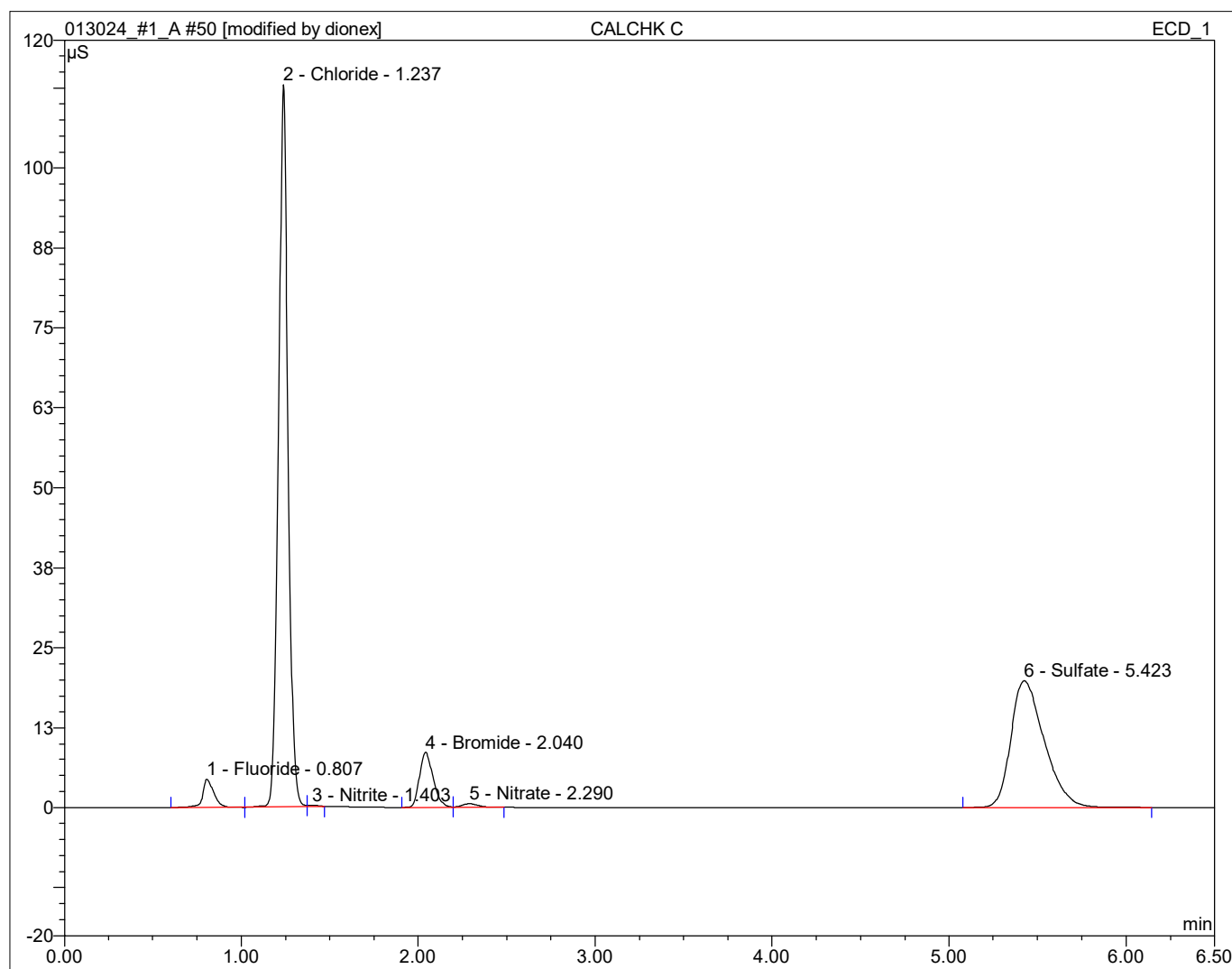


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALCHK C				LCS #1	S#XY6	CALCHK C	LFB	LOO
Dilution: 1.0000	Fluoride	0.8605	0.86	86.1	3.8	86.1	68.8	1721.1
	Chloride	26.4339	26.43	88.1	8.3	88.1	105.7	1057.4
	Nitrite	0.0990	0.0297	5.9	11.9	99.0	39.6	1980.5
	Bromide	8.5542	8.55	85.5	27.6	85.5	114.1	1710.8
	Nitrate	0.5247	0.1186	10.5	0.3	104.9	35.0	2098.9
01-30-24 23:09	Sulfate	26.3947	26.39	88.0	6.4	88.0	105.6	1055.8

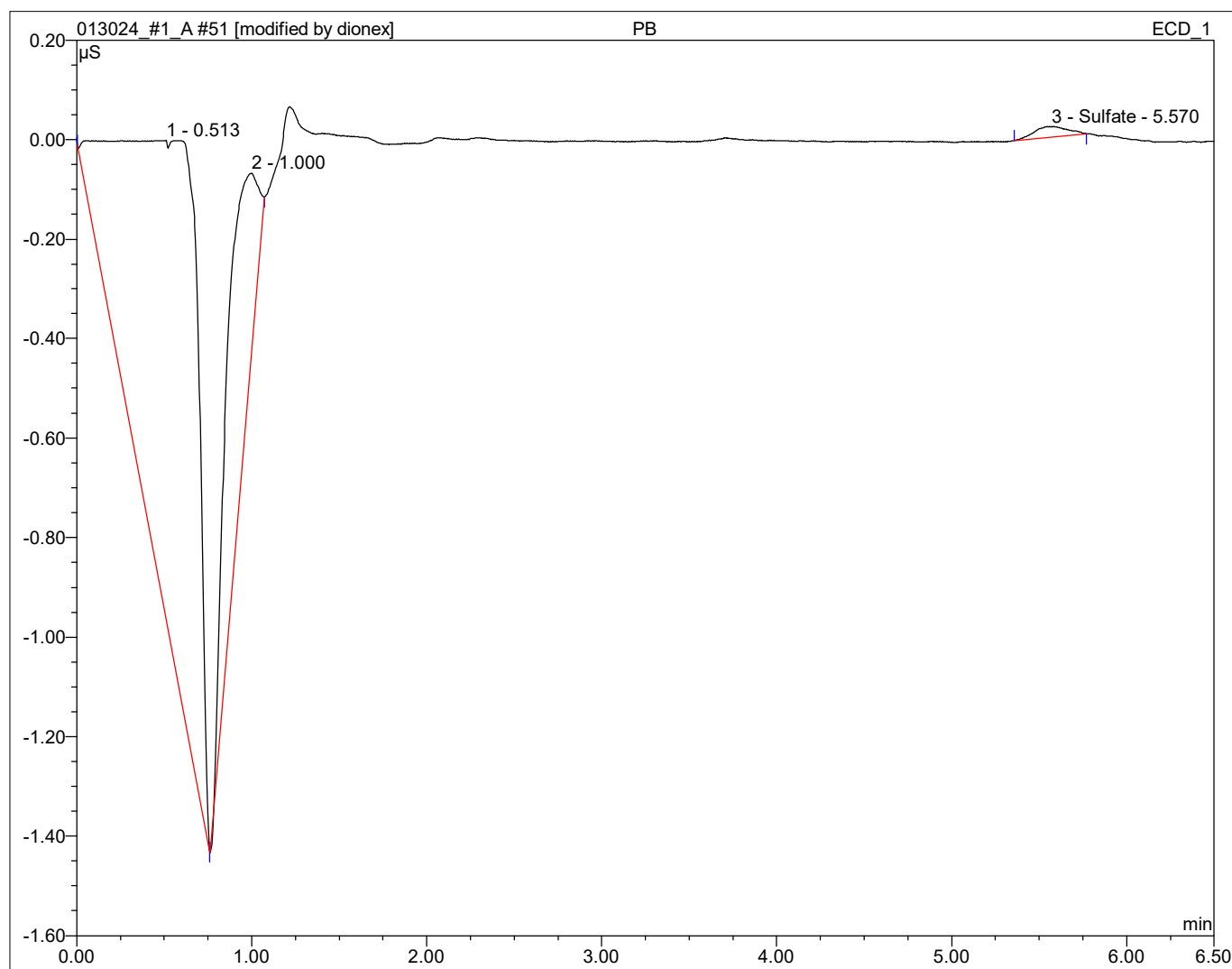


013024_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id PB	Analyte	Amount	Result	% LCS #1	% S#XY6	% CALCHK C	% LFB	% LOO
Dilution: 1.0000	Fluoride	n.a.						
	Chloride	n.a.						
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	n.a.			#VALUE!			
01-30-24 23:17	Sulfate	0.0290	0.03	0.1	0.0	0.1	0.1	1.2



Report Information

Schedule: 20240131 L
Report Date: 1/31/2024 12:47:05 PM
Instrument: Lotix - 2 Method SM5310B
Method: TOC
Sample Source: Lotix Autosampler
Calibration: 12/8/2023 9:53:56 AM
Software Ver: 3.3.7431.18150
Comment:

Schedule Summary

Pos	Sample Type	ID	ppm	Std Dev	%RSD
1	Sample (TOC)	10 ppm	9.875	0.494	5.000
2	Sample (TOC)	LCS 8.66 PPM	8.671	0.418	4.826
3	Sample (TOC)	DOC FILTER BLANK	-0.045	0.092	205.805
4	Sample (TOC)	TOC LDL 0.5ppm	0.490	0.089	18.230
5	Sample (TOC)	BLANK	-0.197	0.032	16.126
6	Sample (TOC)	CP96664 TOC-DWLDL	0.598	0.046	7.622
7	Sample (TOC)	CP96664 TOC-DWLDL REP	0.622	0.021	3.307
8	Sample (TOC)	CP96664 TOC-DWLDL SPK	5.632	0.190	3.377
9	Sample (TOC)	CP96808 TOC-DWLDL	2.511	0.106	4.232
10	Sample (TOC)	CP96816 TOC-DWLDL	0.663	0.115	17.381
11	Sample (TOC)	CP97298 TOC-DWLDL	0.163	0.013	8.199
12	Sample (TOC)	CP97299 TOC-DWLDL	0.347	0.061	17.526
13	Sample (TOC)	CP96795 TOC-LDLW	0.173	0.069	40.076
14	Sample (TOC)	CP96796 TOC-LDLW	3.697	0.082	2.211
15	Sample (TOC)	CP96797 DOC-WM	4.249	0.148	3.477
16	Sample (TOC)	CP96797 TOC-LDLW	4.805	0.173	3.605
17	Sample (TOC)	CP97014 TOC-WM	5.468	0.117	2.146
18	Sample (TOC)	10 PPM	10.154	0.473	4.655
19	Sample (TOC)	BLANK	-0.069	0.035	51.331
20	Sample (TOC)	CP97096 TOC-WM	2.261	0.033	1.472
21	Sample (TOC)	CP97097 TOC-WM	0.620	0.072	11.618
22	Sample (TOC)	CP97098 TOC-WM	2.189	0.136	6.192
23	Sample (TOC)	10 ppm	10.209	0.427	4.185
24	Sample (TOC)	BLANK	0.019	0.042	220.761

Sample Details

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
1	Sample (TOC)	10 ppm	9.875	2280.971	0.494	5.000	12:50	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	9.305	2154.491	5.406	03:01			
2	TOC	10.170	2346.491	5.651	03:08			
3	TOC	10.150	2341.930	5.307	03:17			

Lotix Report: Samples Schedule



Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
2	Sample (TOC)	LCS 8.66 PPM	8.671	2013.947	0.418	4.826	13:05	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC			8.191	1907.273	4.933 02:44		
2	TOC			8.954	2076.551	4.488 03:21		
3	TOC			8.870	2058.017	5.053 03:14		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
3	Sample (TOC)	DOC FILTER BLANK	-0.045	80.083	0.092	205.805	13:20	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC			0.058	102.977	4.628 02:50		
2	TOC			-0.118	63.794	4.427 03:17		
3	TOC			-0.074	73.478	3.867 02:54		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
4	Sample (TOC)	TOC LDL 0.5ppm	0.490	198.711	0.089	18.230	13:35	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC			0.390	176.495	3.696 02:48		
2	TOC			0.519	205.067	3.625 02:57		
3	TOC			0.561	214.572	3.473 03:09		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
5	Sample (TOC)	BLANK	-0.197	46.308	0.032	16.126	13:49	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC			-0.225	39.968	3.994 02:38		
2	TOC			-0.203	45.063	3.893 02:56		
3	TOC			-0.163	53.894	3.824 03:03		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
6	Sample (TOC)	CP96664 TOC-DWLDL	0.598	222.604	0.046	7.622	14:03	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC			0.649	233.981	3.901 02:47		
2	TOC			0.582	219.169	4.118 02:57		
3	TOC			0.562	214.662	4.095 03:01		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
7	Sample (TOC)	CP96664 TOC-DWLDL REP	0.622	227.917	0.021	3.307	14:18	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC			0.644	232.857	4.109 02:47		
2	TOC			0.603	223.867	3.995 03:06		
3	TOC			0.618	227.027	4.142 03:02		

Lotix Report: Samples Schedule



Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
8	Sample (TOC)	CP96664 TOC-DWL DL SPK	5.632	1339.579	0.190	3.377	14:32	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		5.418	1292.163	4.367	02:46		
2	TOC		5.783	1373.028	3.866	03:03		
3	TOC		5.695	1353.546	4.080	03:30		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
9	Sample (TOC)	CP96808 TOC-DWL DL	2.511	647.200	0.106	4.232	14:47	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		2.389	619.973	4.205	02:46		
2	TOC		2.571	660.431	4.153	03:12		
3	TOC		2.574	661.195	4.379	03:01		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
10	Sample (TOC)	CP96816 TOC-DWL DL	0.663	237.129	0.115	17.381	15:02	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		0.794	266.115	4.163	02:55		
2	TOC		0.620	227.517	4.373	03:00		
3	TOC		0.576	217.755	4.257	03:02		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
11	Sample (TOC)	CP97298 TOC-DWL DL	0.163	126.127	0.013	8.199	15:16	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		0.170	127.714	4.187	02:52		
2	TOC		0.171	127.958	4.138	03:04		
3	TOC		0.147	122.710	4.235	02:53		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
12	Sample (TOC)	CP97299 TOC-DWL DL	0.347	166.975	0.061	17.526	15:31	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		0.415	182.053	3.794	02:45		
2	TOC		0.328	162.824	4.221	02:52		
3	TOC		0.298	156.048	4.151	02:52		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
13	Sample (TOC)	CP96795 TOC-LDLW	0.173	128.384	0.069	40.076	15:45	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		0.251	145.629	4.195	02:57		
2	TOC		0.151	123.452	4.243	02:57		
3	TOC		0.118	116.072	4.306	02:52		

Lotix Report: Samples Schedule



Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
14	Sample (TOC)	CP96796 TOC-LDLW	3.697	910.337	0.082	2.211	15:59	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		3.603	889.447	4.002	02:54		
2	TOC		3.750	922.052	4.380	03:17		
3	TOC		3.739	919.512	4.466	03:11		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
15	Sample (TOC)	CP96797 DOC-WM	4.249	1032.713	0.148	3.477	16:14	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		4.085	996.271	4.479	02:45		
2	TOC		4.371	1059.800	4.292	03:02		
3	TOC		4.291	1042.068	4.438	03:10		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
16	Sample (TOC)	CP96797 TOC-LDLW	4.805	1156.155	0.173	3.605	16:29	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		4.628	1116.772	4.241	02:53		
2	TOC		4.974	1193.575	4.126	03:10		
3	TOC		4.814	1158.117	4.392	02:57		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
17	Sample (TOC)	CP97014 TOC-WM	5.468	1303.240	0.117	2.146	16:43	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		5.383	1284.260	4.162	02:49		
2	TOC		5.420	1292.544	4.531	03:12		
3	TOC		5.602	1332.917	4.774	03:09		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
18	Sample (TOC)	10 PPM	10.154	2342.942	0.473	4.655	16:58	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		9.703	2242.848	4.329	02:44		
2	TOC		10.646	2452.019	4.344	03:16		
3	TOC		10.114	2333.960	4.736	03:12		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
19	Sample (TOC)	BLANK	-0.069	74.728	0.035	51.331	17:13	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC		-0.106	66.375	4.302	02:39		
2	TOC		-0.036	81.924	4.102	03:12		
3	TOC		-0.064	75.887	4.238	02:51		

Lotix Report: Samples Schedule



Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
20	Sample (TOC)	CP97096 TOC-WM	2.261	591.752	0.033	1.472	17:27	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	2.263		592.180	4.352	02:53		
2	TOC	2.294		598.915	4.177	03:05		
3	TOC	2.227		584.161	4.352	02:53		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
21	Sample (TOC)	CP97097 TOC-WM	0.620	227.565	0.072	11.618	17:42	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	0.703		245.990	4.231	02:51		
2	TOC	0.574		217.441	3.954	03:08		
3	TOC	0.583		219.265	3.916	03:02		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
22	Sample (TOC)	CP97098 TOC-WM	2.189	575.678	0.136	6.192	17:56	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	2.343		609.883	3.882	02:55		
2	TOC	2.135		563.779	4.220	03:17		
3	TOC	2.088		553.373	4.081	03:04		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
23	Sample (TOC)	10 ppm	10.209	2355.126	0.427	4.185	18:11	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	9.725		2247.720	4.266	02:53		
2	TOC	10.369		2390.538	4.077	03:09		
3	TOC	10.534		2427.118	4.237	03:08		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
24	Sample (TOC)	BLANK	0.019	94.229	0.042	220.761	18:26	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	0.033		97.362	4.166	02:52		
2	TOC	0.052		101.596	4.055	02:59		
3	TOC	-0.028		83.729	4.059	03:07		

Calibration Curve

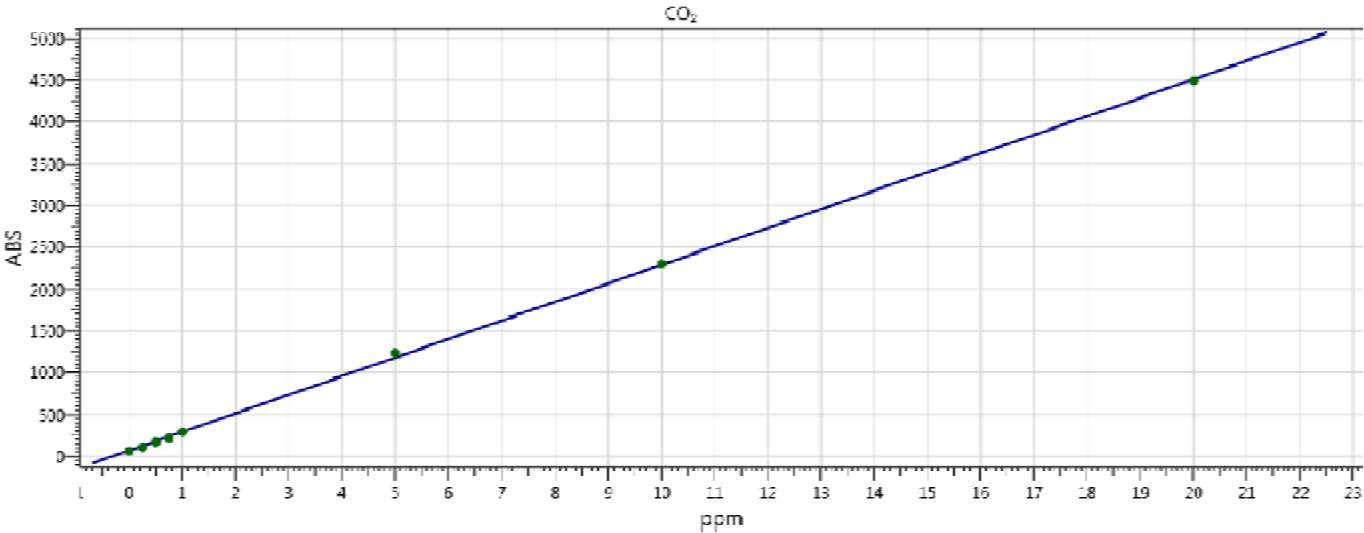
Date: 12/8/2023 9:53:56 AM
Instrument Name: Lotix - 2 Method SM5310B
Method: TOC
Schedule: from schedule 20231208 L S#GN6
Sample ppm Calculation Uses: Latest Method Blank
Software Ver: 3.3.7431.18150
Sample Source: Lotix Autosampler

TOC

Linear Curve: $y = 221.873x + 68.640$
Coefficient of Determination (r²): 0.99974

Standard Results

Actual ppmC	ABS	Measured ppmC	When
0.00	64.169	-0.020	12/8/2023 8:05:21 AM
0.25	108.977	0.182	12/8/2023 8:20:31 AM
0.50	170.700	0.460	12/8/2023 8:35:41 AM
0.75	217.902	0.673	12/8/2023 8:50:25 AM
1.00	285.518	0.977	12/8/2023 9:05:19 AM
5.00	1235.132	5.257	12/8/2023 9:20:06 AM
10.00	2300.313	10.058	12/8/2023 9:35:37 AM
20.00	4486.656	19.912	12/8/2023 9:51:00 AM



Method Parameters



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Preferred Environmental Services
SID HARVEY

GCQ06052

Ver 1

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Tuesday, March 19, 2024

Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Project ID: SID HARVEY
SDG ID: GCQ06052
Sample ID#s: CQ06052

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Preferred Environmental Services
Project: SID HARVEY
Laboratory Project: GCQ06052



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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NY Analytical Services Protocol Format

March 19, 2024

SDG I.D.: GCQ06052

Preferred Environmental Services SID HARVEY

Methodology Summary

General Chemistry

Standard Methods for the Examination of Waste and Wastewater, 18th edition
Methods for Chemical Analyses of Water and Wastes, EPA, Environmental Monitoring Systems Laboratory
Cincinnati (EMSL-CL), EPA-600/4-79-020.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV,
Method 6010D.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471B

Total Organic Carbon

Standard Methods for the Examination of Waste and Wastewater, 18th edition. method 5310B

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III,
Method 8260D and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods
624) as printed in 40CFR part 136.



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NY Analytical Services Protocol Format

March 19, 2024

SDG I.D.: GCQ06052

Preferred Environmental Services SID HARVEY

Laboratory Chronicle

The samples in this delivery group were received at 2.0°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CQ06052	Iron	02/09/24	02/15/24	02/16/24	CPP	Y
CQ06052	Manganese	02/09/24	02/15/24	02/16/24	CPP	Y
CQ06052	Nitrate as Nitrogen	02/09/24	02/12/24	02/12/24	BS/GD	Y
CQ06052	Nitrite as Nitrogen	02/09/24	02/12/24	02/12/24	BS/GD	Y
CQ06052	Sulfate	02/09/24	02/12/24	02/12/24	BS/GD	Y
CQ06052	Total Organic Carbon	02/09/24	02/13/24	02/13/24	EG	Y
CQ06052	Volatiles	02/09/24	02/13/24	02/13/24	MH	Y



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SDG Comments

March 19, 2024

SDG I.D.: GCQ06052

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Sample CQ06052 was received past hold time for Nitrite as Nitrogen (E300.0).

Sample CQ06052 was received past hold time for Nitrate as Nitrogen (E300.0).



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

March 19, 2024

SDG I.D.: GCQ06052

Project ID: SID HARVEY

Client Id	Lab Id	Matrix
MW-6I	CQ06052	GROUND WATER



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 19, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information

Matrix: GROUND WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#: NACC-21-210

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

02/09/24 11:25
02/12/24 16:34

Time

Laboratory Data

SDG ID: GCQ06052
Phoenix ID: CQ06052

Project ID: SID HARVEY
Client ID: MW-6I

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Iron	8.43	0.01	0.01	mg/L	1	02/16/24	CPP	SW6010D
Manganese	0.443	0.005	0.001	mg/L	1	02/16/24	CPP	SW6010D
Nitrite as Nitrogen	ND	0.01	0.004	mg/L	1	02/12/24 21:38	BS/GD	E300.0
Nitrate as Nitrogen	0.02	0.05	0.01	mg/L	1	02/12/24 21:38	BS/GD	E300.0
Sulfate	31.7	5.0	2.5	mg/L	1	02/12/24	BS/GD	E300.0
Total Organic Carbon	3.7	1.0	1.0	mg/L	1	02/13/24	EG	SM5310B-14
Total Metals Digestion	Completed					02/15/24	P/P	SW3010A

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,1-Dichloroethane	0.29	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	02/13/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	02/13/24	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	02/13/24	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	02/13/24	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	02/13/24	MH	SW8260D
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	02/13/24	MH	SW8260D
Acetone	ND	5.0	2.5	ug/L	1	02/13/24	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	02/13/24	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	02/13/24	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	02/13/24	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Bromomethane	ND	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	02/13/24	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	02/13/24	MH	SW8260D
Isopropylbenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	02/13/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	0.29	J 1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	02/13/24	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	02/13/24	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	02/13/24	MH	SW8260D
Toluene	0.89	J 1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	02/13/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	02/13/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	02/13/24	MH	SW8260D

1

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichloroethene	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	02/13/24	MH	SW8260D
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	02/13/24	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	02/13/24	MH	70 - 130 %
% Dibromofluoromethane	91			%	1	02/13/24	MH	70 - 130 %
% Toluene-d8	97			%	1	02/13/24	MH	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

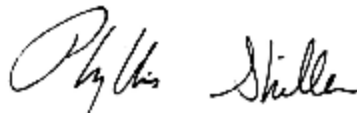
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 19, 2024

Reviewed and Released by: Alejandro Paredes, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



QA/QC Report

March 19, 2024

QA/QC Data

SDG I.D.: GCQ06052

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 718443 (mg/L), QC Sample No: CQ06052 (CQ06052)													
<u>ICP Metals - Aqueous</u>													
Iron	BRL	0.010	8.43	8.31	1.40	97.9	98.9	1.0	NC			80 - 120	20
Manganese	BRL	0.001	0.443	0.445	0.50	98.5	99.8	1.3	99.9			80 - 120	20



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QA/QC Report

March 19, 2024

QA/QC Data

SDG I.D.: GCQ06052

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 718136 (mg/L), QC Sample No: CQ05738 (CQ06052)													
Total Organic Carbon	BRL	1.0	1.20	1.2	NC				97.0			85 - 115	20
Comment: Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 718075 (mg/L), QC Sample No: CQ05924 (CQ06052)													
Nitrate as Nitrogen	BRL	0.05	0.28	0.28	0	94.6			101			90 - 110	20
Nitrite as Nitrogen	BRL	0.004	<0.004	<0.004	NC	102			107			90 - 110	20
Sulfate	BRL	5.0	7.8	7.5	NC	91.1			102			90 - 110	20



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QA/QC Report

March 19, 2024

QA/QC Data

SDG I.D.: GCQ06052

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 718208 (ug/L), QC Sample No: CQ06047 (CQ06052)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	99	107	7.8				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	92	99	7.3				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	106	111	4.6				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	95	102	7.1				70 - 130	30
1,1-Dichloroethane	ND	1.0	98	107	8.8				70 - 130	30
1,1-Dichloroethene	ND	1.0	95	100	5.1				70 - 130	30
1,1-Dichloropropene	ND	1.0	94	102	8.2				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	95	106	10.9				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	105	107	1.9				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	99	107	7.8				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	105	112	6.5				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	110	117	6.2				70 - 130	30
1,2-Dibromoethane	ND	1.0	97	104	7.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	99	106	6.8				70 - 130	30
1,2-Dichloroethane	ND	1.0	93	102	9.2				70 - 130	30
1,2-Dichloropropane	ND	1.0	97	104	7.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	105	113	7.3				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	101	108	6.7				70 - 130	30
1,3-Dichloropropane	ND	1.0	98	104	5.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	100	106	5.8				70 - 130	30
2,2-Dichloropropane	ND	1.0	82	88	7.1				70 - 130	30
2-Chlorotoluene	ND	1.0	104	112	7.4				70 - 130	30
2-Hexanone	ND	5.0	97	105	7.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	105	113	7.3				70 - 130	30
4-Chlorotoluene	ND	1.0	105	112	6.5				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	91	99	8.4				70 - 130	30
Acetone	ND	5.0	88	91	3.4				70 - 130	30
Acrolein	ND	5.0	121	130	7.2				70 - 130	30
Acrylonitrile	ND	5.0	98	112	13.3				70 - 130	30
Benzene	ND	0.70	98	105	6.9				70 - 130	30
Bromobenzene	ND	1.0	103	111	7.5				70 - 130	30
Bromochloromethane	ND	1.0	98	104	5.9				70 - 130	30
Bromodichloromethane	ND	0.50	95	101	6.1				70 - 130	30
Bromoform	ND	1.0	96	110	13.6				70 - 130	30
Bromomethane	ND	1.0	105	117	10.8				70 - 130	30
Carbon Disulfide	ND	1.0	95	103	8.1				70 - 130	30
Carbon tetrachloride	ND	1.0	89	97	8.6				70 - 130	30
Chlorobenzene	ND	1.0	98	107	8.8				70 - 130	30
Chloroethane	ND	1.0	100	108	7.7				70 - 130	30
Chloroform	ND	1.0	99	104	4.9				70 - 130	30
Chloromethane	ND	1.0	86	93	7.8				70 - 130	30

QA/QC Data

SDG I.D.: GCQ06052

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	100	106	5.8				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	93	100	7.3				70 - 130	30
Dibromochloromethane	ND	0.50	99	108	8.7				70 - 130	30
Dibromomethane	ND	1.0	97	102	5.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	89	96	7.6				70 - 130	30
Ethylbenzene	ND	1.0	100	108	7.7				70 - 130	30
Hexachlorobutadiene	ND	0.40	91	98	7.4				70 - 130	30
Isopropylbenzene	ND	1.0	109	118	7.9				70 - 130	30
m&p-Xylene	ND	1.0	100	107	6.8				70 - 130	30
Methyl ethyl ketone	ND	5.0	86	93	7.8				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	92	101	9.3				70 - 130	30
Methylene chloride	ND	1.0	93	99	6.3				70 - 130	30
Naphthalene	ND	1.0	108	117	8.0				70 - 130	30
n-Butylbenzene	ND	1.0	102	110	7.5				70 - 130	30
n-Propylbenzene	ND	1.0	106	112	5.5				70 - 130	30
o-Xylene	ND	1.0	101	110	8.5				70 - 130	30
p-Isopropyltoluene	ND	1.0	104	112	7.4				70 - 130	30
sec-Butylbenzene	ND	1.0	102	110	7.5				70 - 130	30
Styrene	ND	1.0	101	108	6.7				70 - 130	30
tert-Butylbenzene	ND	1.0	105	113	7.3				70 - 130	30
Tetrachloroethene	ND	1.0	89	96	7.6				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	93	99	6.3				70 - 130	30
Toluene	ND	1.0	96	103	7.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	98	105	6.9				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	86	94	8.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	62	76	20.3				70 - 130	30
Trichloroethene	ND	1.0	94	102	8.2				70 - 130	30
Trichlorofluoromethane	ND	1.0	95	103	8.1				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	91	98	7.4				70 - 130	30
Vinyl chloride	ND	1.0	95	102	7.1				70 - 130	30
% 1,2-dichlorobenzene-d4	97	%	98	98	0.0				70 - 130	30
% Bromofluorobenzene	91	%	96	96	0.0				70 - 130	30
% Dibromofluoromethane	95	%	94	96	2.1				70 - 130	30
% Toluene-d8	96	%	97	98	1.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

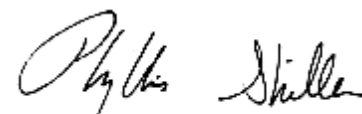
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

March 19, 2024

Sample Criteria Exceedances Report

GCQ06052 - PREFRDNY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CQ06052	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CQ06052	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CQ06052	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CQ06052	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	8.43	0.01	0.3	0.3	mg/L
CQ06052	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.443	0.005	0.3	0.3	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
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NY Temperature Narration

March 19, 2024

SDG I.D.: GCQ06052

The samples in this delivery group were received at 2.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Makrina Nolan

From: Makrina Nolan
Sent: Tuesday, February 13, 2024 1:11 PM
To: bschlageter@preferredenv.com
Subject: GW sample
Attachments: GCQ06052-ChainofCustody-1.pdf

Hi Bill,

Unfortunately, this sample was received and analyzed past hold for Nitrate and Nitrite. These results will be reported to you past hold with a comment on the report to reflect this.

Thank you,

***Note: I am working remotely today. You may call me directly at my cell number below or email**

Makrina Nolan
Client Services –Project Manager
Drinking Water Specialist
Phoenix Environmental Labs
587 Middle Turnpike East
Manchester, CT
Cell: 860-617-9336
Website: www.phoenixlabs.com



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Preferred Environmental Services

SID HARVEY

Laboratory Project: GCQ06052

Volatiles (Water)

Ver 1

Organic Data Flags

LOD(MDL): Limit of Detection or Method Detection Limit
The minimum reportable concentration that can be measured with confidence.

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

Q Qualifiers:

- U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
- J - Indicates an estimated value, may indicate one of the following, depending on the situation:
 - a) The reported value is estimated and below the RL.
Compounds that are detected above MDL but below RL are qualified with a J flag.
 - b) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero.
 - c) QC associated with this analyte is within warning limits.
- X - The concentration is not reported. This quantitation file was not evaluated for this compound at this dilution; a volatile purging or related issue may be the cause.
- L - Biased Low
- N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.
- S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
- B - This compound was also present in the method blank
- D - The reported concentration is the result of a diluted analysis. Samples that require dilution may result in elevated reporting limits that exceed requested criteria for one or more analytes.
- E - The reported value is estimated because the concentration exceeded the calibration range.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
- Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.
- P - Percent difference is greater than 25% between the two GC columns and the lower result is reported.



Environmental Laboratories, Inc.
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SDG: GCQ06052

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

Form 1 (Analysis):

No observations noted.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CQ06047 LCS
All LCS recoveries met criteria with the following exceptions: trans-1,4-Dichloro-2-butene 62%
All LCSD recoveries met criteria with the following exceptions: None.
All LCS/LCSD RPDs met criteria with the following exceptions: None.

Form 4 (Method Blank):

File: CHEM02 0213_33.D
All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM02 0206_10.D
All Tune criteria was met with the following exceptions: None.

File: CHEM02 0213_29.D
All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM02 02/06/24 - 02/07/24
97% of method compounds met criteria.
The following compounds did not meet % deviation criteria: Bromoform 21.2% (20) , trans-1,4-Dichloro-2-butene 29.2% (20) , 1,2-Dibromo-3-Chloropropane 25.3% (20)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: Acrolein 0.016 (0.05) , Acrylonitrile 0.036 (0.05) , Bromochloromethane 0.099 (0.1) , Tetrahydrofuran (THF) 0.031 (0.05) , Trichloroethene 0.178 (0.2) , 1,2-dichloropropane 0.175 (0.2) , Bromodichloromethane 0.172 (0.3) , cis-1,3-Dichloropropene 0.216 (0.3) , trans-1,3-Dichloropropene 0.151 (0.3) , 1,1,2-Trichloroethane 0.079 (0.2) , Dibromochloromethane 0.099 (0.2) , 1,2-Dibromoethane 0.086 (0.2) , Ethylbenzene 0.281 (0.4) , Bromoform 0.032 (0.1) , Isopropylbenzene 0.392 (0.4) , 1,1,2,2-Tetrachloroethane 0.156 (0.2) , trans-1,4-Dichloro-2-butene 0.038 (0.05) , 1,2-Dichlorobenzene 0.573 (0.6) , 1,2,4-Trichlorobenzene 0.325 (0.4) , 1,2,3-Trichlorobenzene 0.263 (0.4)
The following compounds did not meet minimum response factors: None.

Form 7 (Continuing Calibration):

File: CHEM02 0213_29.D (Opening)
99% of method compounds met criteria.
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
The following compounds did not meet % deviation criteria: trans-1,4-Dichloro-2-butene 23.7% (20)
The following compounds did not meet maximum % deviations: None.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCQ06052

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

The following compounds did not meet recommended response factors: Acrolein 0.018 (0.05) , Acrylonitrile 0.039 (0.05) , Tetrahydrofuran (THF) 0.032 (0.05) , Trichloroethene 0.179 (0.2) , 1,2-dichloropropane 0.181 (0.2) , Bromodichloromethane 0.181 (0.3) , cis-1,3-Dichloropropene 0.221 (0.3) , trans-1,3-Dichloropropene 0.142 (0.3) , 1,1,2-Trichloroethane 0.082 (0.2) , Dibromochloromethane 0.107 (0.2) , 1,2-Dibromoethane 0.094 (0.2) , Ethylbenzene 0.300 (0.4) , Bromoform 0.034 (0.1) , 1,1,2,2-Tetrachloroethane 0.176 (0.2) , trans-1,4-Dichloro-2-butene 0.029 (0.05) , 1,2,4-Trichlorobenzene 0.352 (0.4) , 1,2,3-Trichlorobenzene 0.279 (0.4)

The following compounds did not meet minimum response factors: Acrolein 0.018 (0.05) , Acetone 0.032 (0.05) , Acrylonitrile 0.039 (0.05) , Tetrahydrofuran (THF) 0.032 (0.05) , Methyl Ethyl Ketone 0.044 (0.05) , 2-Hexanone 0.049 (0.05) , Bromoform 0.034 (0.05) , trans-1,4-Dichloro-2-butene 0.029 (0.05) , 1,2-Dibromo-3-Chloropropane 0.019 (0.05)

File: CHEM02 0213_57.D (Closing)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet minimum response factors: Acrolein 0.015 (0.05) , Acetone 0.029 (0.05) , Acrylonitrile 0.035 (0.05) , Tetrahydrofuran (THF) 0.028 (0.05) , Methyl Ethyl Ketone 0.039 (0.05) , 2-Hexanone 0.042 (0.05) , Bromoform 0.035 (0.05) , trans-1,4-Dichloro-2-butene 0.029 (0.05) , 1,2-Dibromo-3-Chloropropane 0.020 (0.05)

Form 8 (Internal Standard and Retention Time):

File: CHEM02 - VT-P020624.M / 0206_13.D

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM02 - VT-P020624.M / 0213_29.D

All samples met internal standard area and retention time criteria with the following exceptions: None.

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

02/28/24

Alejandro Paredes

Project Manager

2C
Water VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
 Lab Code: Phoenix Case No.: SDG: GCQ06052
 QC Batch Id: 718208 QC Sample Id: CQ06047

	CLIENT ID	LAB ID	SMC1 DBFM #	SMC2 TOL #	SMC3 BFB #	SMC4 DCB #	TOT OUT
01	CQ06047 LCS	CQ06047 LCS	94	97	96	98	0
02	CQ06047 LCSD	CQ06047 LCSD	96	98	96	98	0
03	CQ06047 BLANK	CQ06047 BLANK	95	96	91	97	0
04	MW-6I	CQ06052	91	97	93	96	0
05							
06							
07							
08							
09							
10							
11							
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30							

SMC1	DBFM	Dibromofluoromethane	<u>QC LIMITS</u> (70-130)
SMC2	TOL	Toluene-d8	(70-130)
SMC3	BFB	Bromofluorobenzene	(70-130)
SMC4	DCB	1,2-dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM II VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCQ06052

LCS Spike - Client Id: CQ06047 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	10	0.0	8.910	89	70	130
Chloromethane	10	0.0	8.604	86	70	130
Vinyl Chloride	10	0.0	9.479	95	70	130
Bromomethane	10	0.0	10.46	105	70	130
Chloroethane	10	0.0	9.981	100	70	130
Trichlorofluoromethane	10	0.0	9.497	95	70	130
1,1-Dichloroethene	10	0.0	9.494	95	70	130
Trichlorotrifluoroethane	10	0.0	9.073	91	70	130
Carbon Disulfide	10	0.0	9.547	95	70	130
Acrolein	50	0.0	60.59	121	70	130
Methylene Chloride	10	0.0	9.334	93	70	130
Acetone	10	0.0	8.811	88	70	130
Trans-1,2-Dichloroethene	10	0.0	9.750	98	70	130
Methyl t-Butyl Ether (MTBE)	10	0.0	9.203	92	70	130
1,1-Dichloroethane	10	0.0	9.784	98	70	130
Acrylonitrile	10	0.0	9.762	98	70	130
Cis-1,2-Dichloroethene	10	0.0	9.974	100	70	130
2,2-Dichloropropane	10	0.0	8.182	82	70	130
Bromochloromethane	10	0.0	9.815	98	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	10	9.572	96	7.6	30	70 130
Chloromethane	10	9.265	93	7.8	30	70 130
Vinyl Chloride	10	10.17	102	7.1	30	70 130
Bromomethane	10	11.74	117	10.8	30	70 130
Chloroethane	10	10.77	108	7.7	30	70 130
Trichlorofluoromethane	10	10.26	103	8.1	30	70 130
1,1-Dichloroethene	10	10.02	100	5.1	30	70 130
Trichlorotrifluoroethane	10	9.793	98	7.4	30	70 130
Carbon Disulfide	10	10.28	103	8.1	30	70 130
Acrolein	50	65.15	130	7.2	30	70 130
Methylene Chloride	10	9.902	99	6.3	30	70 130
Acetone	10	9.089	91	3.4	30	70 130
Trans-1,2-Dichloroethene	10	10.54	105	6.9	30	70 130
Methyl t-Butyl Ether (MTBE)	10	10.07	101	9.3	30	70 130
1,1-Dichloroethane	10	10.70	107	8.8	30	70 130
Acrylonitrile	10	11.18	112	13.3	30	70 130
Cis-1,2-Dichloroethene	10	10.57	106	5.8	30	70 130
2,2-Dichloropropane	10	8.786	88	7.1	30	70 130
Bromochloromethane	10	10.38	104	5.9	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCQ06052

LCS Spike - Client Id: CQ06047 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Chloroform	10	0.0	9.886	99	70	130
Carbon Tetrachloride	10	0.0	8.945	89	70	130
Tetrahydrofuran (THF)	25	0.0	23.30	93	70	130
1,1,1-Trichloroethane	10	0.0	9.169	92	70	130
Methyl Ethyl Ketone	10	0.0	8.566	86	70	130
1,1-Dichloropropene	10	0.0	9.381	94	70	130
Benzene	10	0.0	9.808	98	70	130
1,2-Dichloroethane	10	0.0	9.286	93	70	130
Trichloroethene	10	0.0	9.351	94	70	130
Dibromomethane	10	0.0	9.683	97	70	130
1,2-dichloropropane	10	0.0	9.680	97	70	130
Bromodichloromethane	10	0.0	9.549	95	70	130
cis-1,3-Dichloropropene	10	0.0	9.321	93	70	130
Toluene	10	0.0	9.627	96	70	130
4-Methyl-2-Pentanone	10	0.0	9.132	91	70	130
Tetrachloroethene	10	0.0	8.939	89	70	130
trans-1,3-Dichloropropene	10	0.0	8.635	86	70	130
1,1,2-Trichloroethane	10	0.0	9.523	95	70	130
Dibromochloromethane	10	0.0	9.853	99	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	10	10.40	104	4.9	30	70 130
Carbon Tetrachloride	10	9.721	97	8.6	30	70 130
Tetrahydrofuran (THF)	25	24.81	99	6.3	30	70 130
1,1,1-Trichloroethane	10	9.902	99	7.3	30	70 130
Methyl Ethyl Ketone	10	9.331	93	7.8	30	70 130
1,1-Dichloropropene	10	10.21	102	8.2	30	70 130
Benzene	10	10.48	105	6.9	30	70 130
1,2-Dichloroethane	10	10.19	102	9.2	30	70 130
Trichloroethene	10	10.19	102	8.2	30	70 130
Dibromomethane	10	10.18	102	5.0	30	70 130
1,2-dichloropropane	10	10.39	104	7.0	30	70 130
Bromodichloromethane	10	10.06	101	6.1	30	70 130
cis-1,3-Dichloropropene	10	10.03	100	7.3	30	70 130
Toluene	10	10.30	103	7.0	30	70 130
4-Methyl-2-Pentanone	10	9.923	99	8.4	30	70 130
Tetrachloroethene	10	9.640	96	7.6	30	70 130
trans-1,3-Dichloropropene	10	9.401	94	8.9	30	70 130
1,1,2-Trichloroethane	10	10.22	102	7.1	30	70 130
Dibromochloromethane	10	10.85	108	8.7	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCQ06052

LCS Spike - Client Id: CQ06047 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
1,3-Dichloropropane	10	0.0	9.796	98	70	130
1,2-Dibromoethane	10	0.0	9.731	97	70	130
2-Hexanone	10	0.0	9.708	97	70	130
Chlorobenzene	10	0.0	9.819	98	70	130
Ethylbenzene	10	0.0	9.972	100	70	130
1,1,1,2-Tetrachloroethane	10	0.0	9.902	99	70	130
m&p-Xylene	20	0.0	19.94	100	70	130
o-Xylene	10	0.0	10.12	101	70	130
Styrene	10	0.0	10.06	101	70	130
Bromoform	10	0.0	9.637	96	70	130
Isopropylbenzene	10	0.0	10.90	109	70	130
Bromobenzene	10	0.0	10.31	103	70	130
n-Propylbenzene	10	0.0	10.63	106	70	130
1,1,2,2-Tetrachloroethane	10	0.0	10.61	106	70	130
2-Chlorotoluene	10	0.0	10.38	104	70	130
1,3,5-Trimethylbenzene	10	0.0	10.47	105	70	130
1,2,3-Trichloropropane	10	0.0	10.49	105	70	130
trans-1,4-Dichloro-2-butene	50	0.0	31.11	62 *	70	130
4-Chlorotoluene	10	0.0	10.49	105	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
				#	RPD	REC.
1,3-Dichloropropane	10	10.44	104	5.9	30	70 130
1,2-Dibromoethane	10	10.38	104	7.0	30	70 130
2-Hexanone	10	10.52	105	7.9	30	70 130
Chlorobenzene	10	10.72	107	8.8	30	70 130
Ethylbenzene	10	10.78	108	7.7	30	70 130
1,1,1,2-Tetrachloroethane	10	10.73	107	7.8	30	70 130
m&p-Xylene	20	21.50	107	6.8	30	70 130
o-Xylene	10	11.03	110	8.5	30	70 130
Styrene	10	10.83	108	6.7	30	70 130
Bromoform	10	11.00	110	13.6	30	70 130
Isopropylbenzene	10	11.79	118	7.9	30	70 130
Bromobenzene	10	11.07	111	7.5	30	70 130
n-Propylbenzene	10	11.20	112	5.5	30	70 130
1,1,2,2-Tetrachloroethane	10	11.15	111	4.6	30	70 130
2-Chlorotoluene	10	11.20	112	7.4	30	70 130
1,3,5-Trimethylbenzene	10	11.31	113	7.3	30	70 130
1,2,3-Trichloropropane	10	10.70	107	1.9	30	70 130
trans-1,4-Dichloro-2-butene	50	37.94	76	20.3	30	70 130
4-Chlorotoluene	10	11.19	112	6.5	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCQ06052

LCS Spike - Client Id: CQ06047 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
tert-Butylbenzene	10	0.0	10.47	105	70	130
1,2,4-Trimethylbenzene	10	0.0	10.53	105	70	130
sec-Butylbenzene	10	0.0	10.20	102	70	130
p-Isopropyltoluene	10	0.0	10.39	104	70	130
1,3-Dichlorobenzene	10	0.0	10.09	101	70	130
1,4-Dichlorobenzene	10	0.0	9.969	100	70	130
2-Isopropyltoluene	10	0.0	10.49	105	70	130
n-Butylbenzene	10	0.0	10.24	102	70	130
1,2-Dichlorobenzene	10	0.0	9.894	99	70	130
1,2-Dibromo-3-Chloropropane	10	0.0	11.03	110	70	130
Hexachlorobutadiene	10	0.0	9.123	91	70	130
1,2,4-Trichlorobenzene	10	0.0	9.916	99	70	130
Naphthalene	10	0.0	10.80	108	70	130
1,2,3-Trichlorobenzene	10	0.0	9.535	95	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
tert-Butylbenzene	10	11.31	113	7.3	30	70 130
1,2,4-Trimethylbenzene	10	11.23	112	6.5	30	70 130
sec-Butylbenzene	10	11.00	110	7.5	30	70 130
p-Isopropyltoluene	10	11.20	112	7.4	30	70 130
1,3-Dichlorobenzene	10	10.79	108	6.7	30	70 130
1,4-Dichlorobenzene	10	10.62	106	5.8	30	70 130
2-Isopropyltoluene	10	11.26	113	7.3	30	70 130
n-Butylbenzene	10	11.05	110	7.5	30	70 130
1,2-Dichlorobenzene	10	10.57	106	6.8	30	70 130
1,2-Dibromo-3-Chloropropane	10	11.70	117	6.2	30	70 130
Hexachlorobutadiene	10	9.792	98	7.4	30	70 130
1,2,4-Trichlorobenzene	10	10.71	107	7.8	30	70 130
Naphthalene	10	11.68	117	8.0	30	70 130
1,2,3-Trichlorobenzene	10	10.59	106	10.9	30	70 130

FORM III VOA

4A
VOLATILE METHOD BLANK SUMMARY

Client ID

CQ06047 BLANK

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCQ06052

Lab File ID: 0213_33.D

Lab Sample ID: CQ06047 BLK

Date Analyzed: 02/13/2024

Time Analyzed: 19:36

GC Column: RTX-VMS

Lab Batch ID: 718208

Instrument ID: CHEM02

Heated Purge:(Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CQ06047 LCS	CQ06047 LCS	0213_30.D	18:22
02	CQ06047 LCSD	CQ06047 LCSD	0213_31.D	18:45
03	MW-6I	CQ06052	0213_37.D	21:14
04				
05				
06				
07				
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16				
17				
18				
19				
20				

COMMENTS: _____

FORM IV VOA

5B
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCQ06052

Lab File ID: 0206_10.D

BFB Injection Date: 02/06/24

Instrument ID: CHEM02

BFB Injection Time: 22:33

GC Column: RTX-VMS

Heated Purge: (Y/N) N

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 60.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.9)1
174	Greater than 50.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	7.4 (5.6)1
176	95.0 - 101.0% of mass 174	96.3 (71.8)1
177	5.0 - 9.0% of mass 176	6.7 (4.8)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.5	VOA 0.5 PPB STD.	0206_10.D	02/06/24	22:33	
02	ICAL 2	VOA 2 PPB STD.	0206_11.D	02/06/24	22:57	
03	ICAL 4	VOA 4 PPB STD.	0206_12.D	02/06/24	23:20	
04	ICAL 10	VOA 10 PPB STD.	0206_13.D	02/06/24	23:44	
05	ICAL 20	VOA 20 PPB STD.	0206_14.D	02/07/24	00:08	
06	ICAL 30	VOA 30 PPB STD.	0206_15.D	02/07/24	00:31	
07						
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22						
23						
24						
25						

(*) Outside 12 hr clock

FORM V

CLPBFB

Data Path : H:\V2024\CHEM02\02FEB\020624\
Data File : 0206_10.D
Acq On : 6 Feb 2024 10:33 pm
Operator :
Sample : VOA 0.5 PPB STD.
Misc : VOA140 I 02/06 DT1
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Feb 07 10:54:20 2024

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	39963	PASS
75	95	30	60	50.6	92965	PASS
95	95	100	100	100.0	183659	PASS
96	95	5	9	6.6	12196	PASS
173	174	0.00	2	0.9	1184	PASS
174	95	50	100	74.6	137029	PASS
175	174	5	9	7.4	10198	PASS
176	174	95	101	96.3	131909	PASS
177	176	5	9	6.7	8812	PASS

VT-P020624.M Wed Feb 07 10:57:05 2024

5B
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCQ06052

Lab File ID: 0213_29.D BFB Injection Date: 02/13/24

Instrument ID: CHEM02 BFB Injection Time: 17:58

GC Column: RTX-VMS Heated Purge: (Y/N) N

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	72.6
175	5.0 - 9.0% of mass 174	7.4 (5.4)1
176	95.0 - 101.0% of mass 174	96.6 (70.1)1
177	5.0 - 9.0% of mass 176	6.7 (4.7)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 10	VOA 10 PPB STD. VOA140 I	0213_29.D	02/13/24	17:58	
02	CQ06047 LCS	CQ06047 LCS	0213_30.D	02/13/24	18:22	
03	CQ06047 LCSD	CQ06047 LCSD	0213_31.D	02/13/24	18:45	
04	CQ06047 BLANK	CQ06047 BLANK	0213_33.D	02/13/24	19:36	
05	MW-6I	CQ06052	0213_37.D	02/13/24	21:14	
06	CCAL 10	VOA 10 PPB STD. VOA140 I	0213_57.D	02/14/24	05:08	
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 12 hr clock

FORM V

CLPBFB

Data Path : H:\V2024\CHEM02\02FEB\021324\
Data File : 0213_29.D
Acq On : 13 Feb 2024 5:58 pm
Operator :
Sample : VOA 10 PPB STD.
Misc : VOA140 IV 02/13 JP
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Feb 07 10:54:20 2024

AutoFind: Scans 1242, 1243, 1244; Background Corrected with Scan 1235

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.8	33981	PASS
75	95	30	60	51.1	83216	PASS
95	95	100	100	100.0	163008	PASS
96	95	5	9	6.8	11087	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.6	118344	PASS
175	174	5	9	7.4	8743	PASS
176	174	95	101	96.6	114293	PASS
177	176	5	9	6.7	7624	PASS

VT-P020624.M Tue Feb 13 18:09:23 2024

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052

Lab Method / File Id: VT-P020624.M / 0206_13.D Date Analyzed: 02/06/24

Instrument ID: CHEM02 Time Analyzed: 23:44

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #	LAB FILE ID
REFERENCE STD	358962	3.82	593032	4.19	506265	6.25	312650	7.90	0206_13.D
UPPER LIMIT	735872	4.32	1215716	4.69	1037843	6.75	640933	8.40	0206_13.D
LOWER LIMIT	177686	3.32	293551	3.69	250601	5.75	154762	7.40	0206_13.D
CLIENT ID									
01 ICAL 0.5	359100	3.82	598561	4.19	490752	6.25	287192	7.90	0206_10.D
02 ICAL 2	355579	3.82	588600	4.19	480184	6.25	286664	7.90	0206_11.D
03 ICAL 4	351476	3.82	585698	4.19	492644	6.25	295737	7.90	0206_12.D
04 ICAL 20	357995	3.82	600586	4.19	513676	6.25	313381	7.90	0206_14.D
05 ICAL 30	346830	3.82	584472	4.19	512282	6.25	311929	7.90	0206_15.D
06									
07									
08									
09									
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12									
13									
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15									
16									
17									
18									
19									
20									
21									
22									

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052
Lab Method / File Id: VT-P020624.M / 0206_13.D Date Analyzed: 02/06/24
Instrument ID: CHEM02 Time Analyzed: 23:44
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS5 (DXN) AREA #	RT #							LAB FILE ID
REFERENCE STD	39459	4.69							0206_13.D
UPPER LIMIT	NA	NA							0206_13.D
LOWER LIMIT	NA	NA							0206_13.D
CLIENT ID									
01 ICAL 0.5	36858	4.69							0206_10.D
02 ICAL 2	36172	4.69							0206_11.D
03 ICAL 4	36943	4.69							0206_12.D
04 ICAL 20	38564	4.69							0206_14.D
05 ICAL 30	39194	4.69							0206_15.D
06									
07									
08									
09									
10									
11									
12									
13									
14									
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22									

IS5 (DXN) = 1,4-Dioxane*D8

Due to the poor response for certain compounds, 1,4-Dioxane-d8 is used as the internal standard for this delivery group.
Note, there are no recovery ranges for this internal standard.

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052

Lab Method / File Id: VT-P020624.M / 0213_29.D Date Analyzed: 02/13/24

Instrument ID: CHEM02 Time Analyzed: 17:58

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #	LAB FILE ID
REFERENCE STD	324747	3.82	550858	4.19	451399	6.25	243698	7.90	0213_29.D
UPPER LIMIT	665731	4.32	1129259	4.69	925368	6.75	499581	8.40	0213_29.D
LOWER LIMIT	160750	3.32	272675	3.69	223443	5.75	120631	7.40	0213_29.D
CLIENT ID									
01 CQ06047 LCS	348649	3.82	595255	4.19	490688	6.25	269302	7.90	0213_30.D
02 CQ06047 LCSD	344438	3.82	589007	4.19	486198	6.25	268096	7.90	0213_31.D
03 CQ06047 BLANK	358847	3.82	601363	4.19	491092	6.25	255099	7.90	0213_33.D
04 MW-6I	404880	3.82	681776	4.19	566310	6.25	295631	7.90	0213_37.D
05									
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22									

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052

Lab Method / File Id: VT-P020624.M / 0213_29.D Date Analyzed: 02/13/24

Instrument ID: CHEM02 Time Analyzed: 17:58

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge:(Y/N) N

	IS5 (DXN) AREA #	RT #							LAB FILE ID
REFERENCE STD	34233	4.69							0213_29.D
UPPER LIMIT	NA	NA							0213_29.D
LOWER LIMIT	NA	NA							0213_29.D
CLIENT ID									
01 CQ06047 LCS	33274	4.69							0213_30.D
02 CQ06047 LCSD	35035	4.69							0213_31.D
03 CQ06047 BLANK	35143	4.69							0213_33.D
04 MW-6I	28012	4.69							0213_37.D
05									
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07									
08									
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11									
12									
13									
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18									
19									
20									
21									
22									

IS5 (DXN) = 1,4-Dioxane*D8

Due to the poor response for certain compounds, 1,4-Dioxane-d8 is used as the internal standard for this delivery group.
Note, there are no recovery ranges for this internal standard.

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM VIII VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-6I

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCQ06052 Lab Sample ID: CQ06052

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0213_37.D

Level: (low/med/meth): Low Date Received: 02/12/24

% Moisture: n.a. Date Analyzed: 02/13/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	0.29	J	0.25	1.0	r
75-34-3	1,1-Dichloroethane	0.29	J	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	0.89	J	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

MW-6I

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCQ06052 Lab Sample ID: CQ06052

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0213_37.D

Level: (low/med/meth): Low Date Received: 02/12/24

% Moisture: n.a. Date Analyzed: 02/13/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	0.25	U	0.25	0.25	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	0.25	U	0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.50	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_37.D
 Acq On : 13 Feb 2024 9:14 pm
 Operator :
 Client ID : MW-6I
 Lab ID : CQ06052
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 13:05:18 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

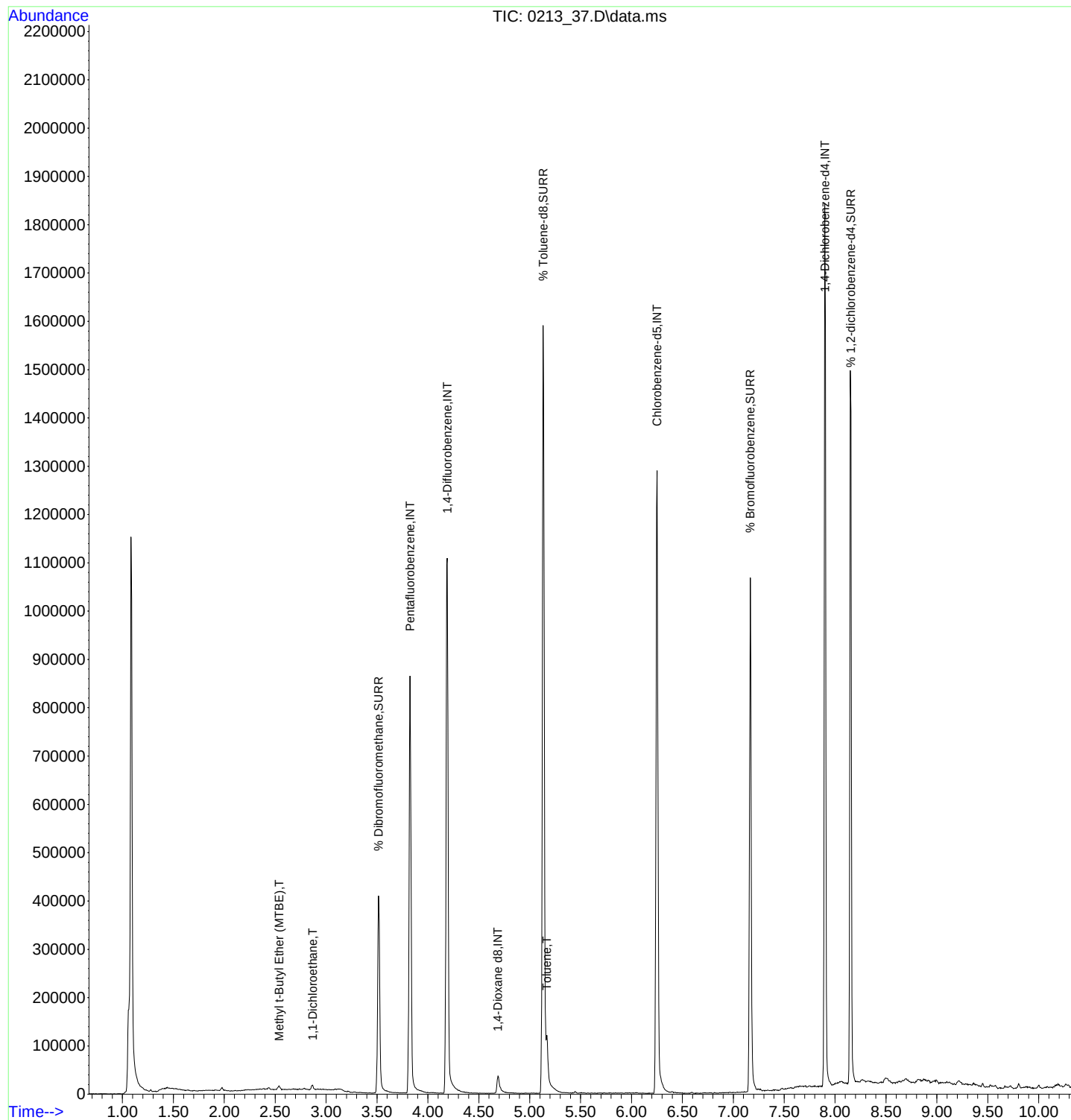
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	404880	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.190	114	681776	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	566310	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	295631	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	28012	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	29305	9.077	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.80%		
45) % Toluene-d8	5.132	98	820409	9.651	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.50%		
62) % Bromofluorobenzene	7.166	95	271609	9.340	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.40%		
64) % 1,2-dichlorobenzene-d4	8.155	152	242413	9.641	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.40%		
Target Compounds						
17) Methyl t-Butyl Ether (...)	2.538	73	4926	0.291	ug/l	92
19) 1,1-Dichloroethane	2.867	63	6775	0.285	ug/l	91
44) Toluene	5.168	92	25686	0.887	ug/l	97

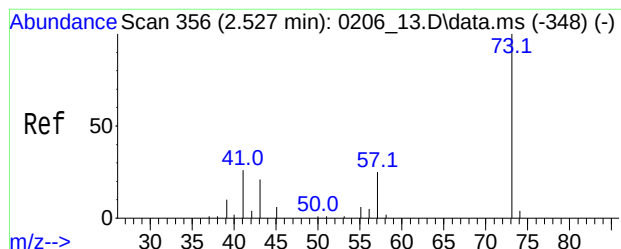
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_37.D
 Acq On : 13 Feb 2024 9:14 pm
 Operator :
 Client ID : MW-6I
 Lab ID : CQ06052
 ALS Vial : 1 Sample Multiplier: 1

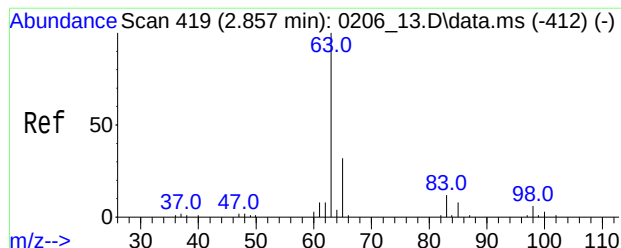
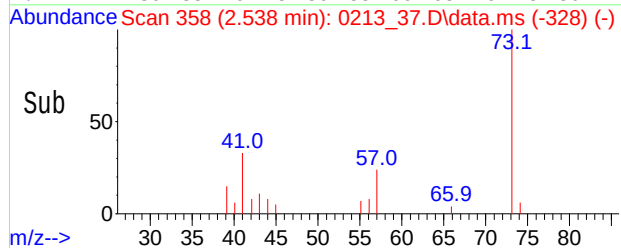
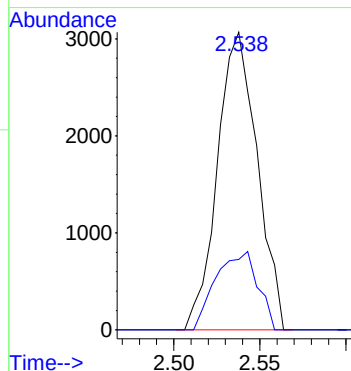
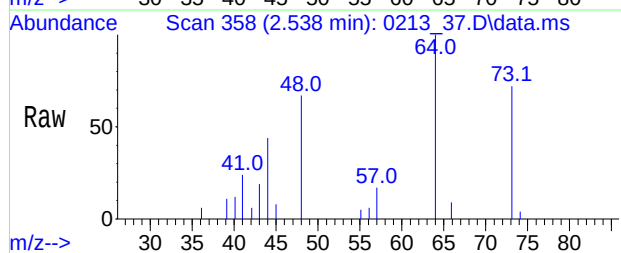
Quant Time: Feb 14 13:05:18 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration





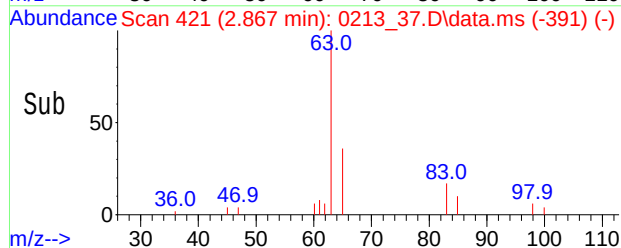
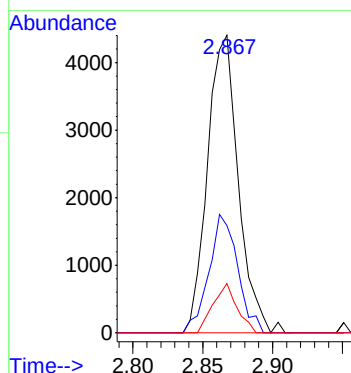
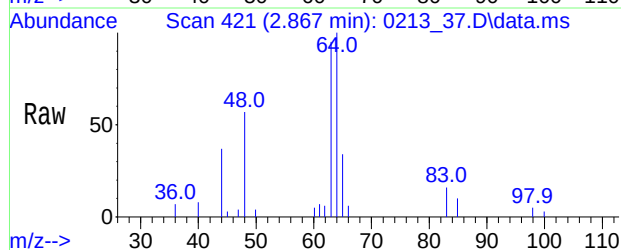
#17
Methyl t-Butyl Ether (MTBE)
Conc: 8\$ 0.291 ug/l
RT: 2.538 min Scan# 358
Delta R.T. 0.005 min
Lab File: 0213_37.D
Acq: 13 Feb 2024 9:14 pm

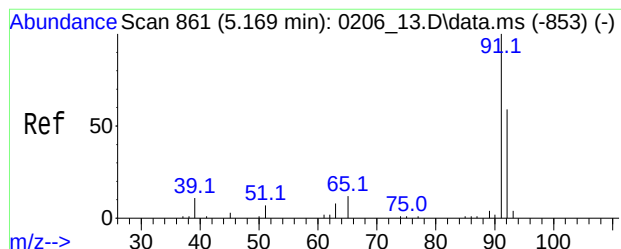
Tgt Ion: 73 Resp: 4926
Ion Ratio Lower Upper
73 100
57 27.6 0.0 53.6



#19
1,1-Dichloroethane
Conc: 8\$ 0.285 ug/l
RT: 2.867 min Scan# 421
Delta R.T. 0.005 min
Lab File: 0213_37.D
Acq: 13 Feb 2024 9:14 pm

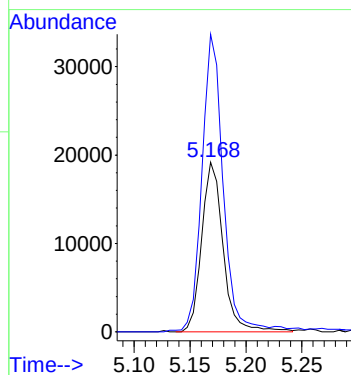
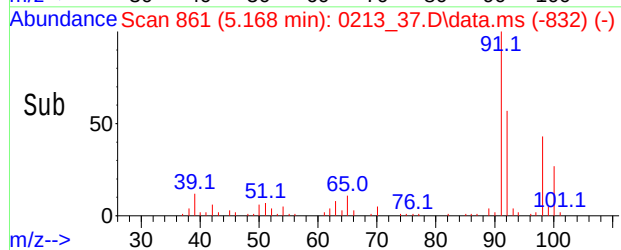
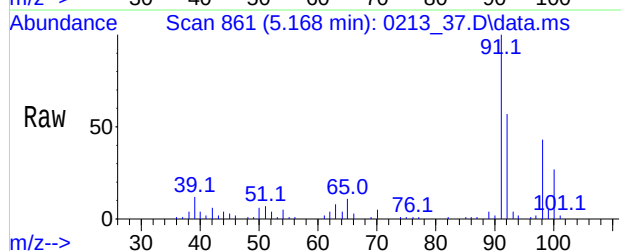
Tgt Ion: 63 Resp: 6775
Ion Ratio Lower Upper
63 100
65 36.1 1.1 61.1
83 16.5 0.0 42.8





#44
Toluene
Conc: 8\$ 0.887 ug/l
RT: 5.168 min Scan# 861
Delta R.T. -0.000 min
Lab File: 0213_37.D
Acq: 13 Feb 2024 9:14 pm

Tgt Ion: 92 Resp: 25686
Ion Ratio Lower Upper
92 100
91 174.9 140.1 200.1



6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCQ06052

Instrument ID: CHEM02 Calibration Date(s): 02/06/24 02/07/24

Heated Purge (Y/N): N Calibration Time(s): 22:33 00:31

GC Column: _____ Method File: VT-P020624.M

LAB FILE ID:

RRF 0.5	0206_10.D	RRF 2	0206_11.D	RRF 4	0206_12.D	RRF 10	0206_13.D
RRF 20	0206_14.D	RRF 30	0206_15.D				

COMPOUND		RRF 0.5	RRF 2	RRF 4	RRF 10	RRF 20	RRF 30			RRF	% RSD	% RSD LIMITS
Dichlorodifluoromethane		0.322	0.351	0.378	0.347	0.367	0.376			0.357	6.0	20 (40)
Chloromethane		0.404	0.430	0.452	0.415	0.429	0.445			0.429	4.2	20 (40)
Vinyl Chloride		0.363	0.398	0.430	0.399	0.417	0.429			0.406	6.2	20 (30)
Bromomethane		0.126	0.137	0.150	0.158	0.177	0.178			0.154	13.8	20 (40)
Chloroethane		0.231	0.245	0.256	0.235	0.242	0.237			0.241	3.7	20 (40)
Trichlorofluoromethane		0.423	0.478	0.511	0.469	0.485	0.494			0.477	6.3	20 (40)
1,1-Dichloroethene		0.244	0.257	0.278	0.257	0.270	0.275			0.264	5.0	20 (30)
Trichlorotrifluoroethane		0.174	0.195	0.206	0.188	0.198	0.200			0.193	5.8	20 (40)
Carbon Disulfide		0.854	0.842	0.860	0.792	0.828	0.835			0.835	2.9	20 (40)
Acrolein	*	0.015	0.016	0.017	0.016	0.018	0.011			0.016	15.2	20 (40)
Methylene Chloride		0.325	0.284	0.279	0.255	0.268	0.272			0.281	8.5	20 (40)
Acetone			0.040	0.036	0.029	0.030	0.028			0.033	16.1	20 (40)
Trans-1,2-Dichloroethene		0.271	0.291	0.298	0.279	0.291	0.299			0.288	3.9	20 (40)
Methyl t-Butyl Ether (MTBE)		0.377	0.413	0.426	0.403	0.440	0.453			0.419	6.5	20 (40)
1,1-Dichloroethane		0.562	0.600	0.616	0.558	0.592	0.600			0.588	3.9	20 (40)
Acrylonitrile	*	0.029	0.035	0.038	0.035	0.039	0.039			0.036	10.0	20 (40)
Cis-1,2-Dichloroethene		0.288	0.306	0.308	0.285	0.300	0.303			0.299	3.2	20 (40)
2,2-Dichloropropane		0.418	0.445	0.459	0.415	0.435	0.441			0.436	3.8	20 (40)
Bromochloromethane	*	0.096	0.098	0.100	0.093	0.102	0.104			0.099	4.0	20 (40)
Chloroform		0.528	0.543	0.549	0.492	0.522	0.522			0.526	3.8	20 (30)
Carbon Tetrachloride		0.294	0.315	0.330	0.312	0.341	0.359			0.325	7.1	20 (40)
Tetrahydrofuran (THF)	*	0.030	0.032	0.033	0.028	0.030	0.031			0.031	5.6	20 (40)
1,1,1-Trichloroethane		0.421	0.441	0.451	0.414	0.437	0.446			0.435	3.3	20 (40)
Methyl Ethyl Ketone			0.053	0.049	0.043	0.043	0.044			0.046	10.2	20 (40)
1,1-Dichloropropene		0.232	0.251	0.259	0.243	0.253	0.256			0.249	3.9	20 (40)
Benzene		0.687	0.727	0.740	0.690	0.728	0.732			0.718	3.2	20 (40)
1,2-Dichloroethane		0.150	0.156	0.163	0.149	0.160	0.159			0.156	3.6	20 (40)
Trichloroethene	*	0.172	0.179	0.184	0.171	0.180	0.181			0.178	2.8	20 (40)
Dibromomethane		0.055	0.061	0.061	0.057	0.061	0.062			0.059	4.6	20 (40)
1,2-dichloropropane	*	0.175	0.176	0.178	0.164	0.176	0.177			0.175	2.9	20 (30)
Bromodichloromethane	*	0.158	0.175	0.178	0.164	0.178	0.180			0.172	5.1	20 (40)
cis-1,3-Dichloropropene	*	0.194	0.213	0.219	0.207	0.228	0.235			0.216	6.8	20 (40)
Toluene		0.390	0.430	0.435	0.410	0.438	0.447			0.425	5.0	20 (30)
4-Methyl-2-Pentanone		0.061	0.062	0.062	0.058	0.061	0.062			0.061	2.5	20 (40)
Tetrachloroethene		0.125	0.132	0.135	0.127	0.133	0.135			0.131	3.3	20 (40)
trans-1,3-Dichloropropene	*	0.139	0.144	0.150	0.146	0.161	0.166			0.151	7.0	20 (40)
1,1,2-Trichloroethane	*	0.069	0.081	0.082	0.075	0.081	0.083			0.079	6.7	20 (40)
Dibromochloromethane	*	0.085	0.100	0.095	0.095	0.108	0.111			0.099	9.6	20 (40)
1,3-Dichloropropane		0.172	0.187	0.179	0.165	0.177	0.177			0.176	4.2	20 (40)
1,2-Dibromoethane	*	0.078	0.088	0.091	0.083	0.089	0.090			0.086	5.6	20 (40)
2-Hexanone			0.039	0.047	0.043	0.045	0.047			0.044	7.8	20 (40)
Chlorobenzene		0.481	0.505	0.508	0.471	0.501	0.505			0.495	3.1	20 (40)
Ethylbenzene	*	0.255	0.282	0.289	0.274	0.291	0.296			0.281	5.3	20 (30)
1,1,1,2-Tetrachloroethane		0.093	0.111	0.119	0.119	0.133	0.137			0.118	13.5	20 (40)
m&p-Xylene		0.289	0.345	0.361	0.348	0.372	0.385			0.350	9.6	20 (40)
o-Xylene		0.256	0.313	0.332	0.330	0.354	0.363			0.325	11.7	20 (40)
Styrene		0.380	0.517	0.534	0.511	0.555	0.560			0.509	13.1	20 (40)
Bromoform	*	0.025	0.027	0.029	0.031	0.039	0.042			0.032	21.2 +	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) %

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

FORM VI VOA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052

Instrument ID: CHEM02 Calibration Date(s): 02/06/24 02/07/24

Heated Purge (Y/N):	N	Calibration Time(s):	22:33	00:31

GC Column: Method File: VT-P020624.M

LAB FILE ID:

RRF 0.5	<u>0206_10.D</u>	RRF 2	<u>0206_11.D</u>	RRF 4	<u>0206_12.D</u>	RRF 10	<u>0206_13.D</u>
RRF 20	<u>0206_14.D</u>	RRF 30	<u>0206_15.D</u>				

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) %

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

FORM VI VOA

Response Factor Report CHEM02

Method Path : H:\V2024\CHEM02\Methods\
 Method File : VT-P020624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Feb 07 10:54:20 2024
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,g,qf) display calculated conc and corr. coefficient.)
 1A =0206_10.D 1 =0206_11.D 2 =0206_12.D 3 =0206_13.D 4 =0206_14.D 5 =0206_15.D

Compound	1A	1	2	3	4	5	Avg	%RSD
1) INT Pentafluorobenzene	-----ISTD-----							
2) T Dichlorodifluo...	0.322	0.351	0.378	0.347	0.367	0.376	0.357	5.95
3) T Chloromethane	0.404	0.430	0.452	0.415	0.429	0.445	0.429	4.21
4) T Vinyl Chloride	0.363	0.398	0.430	0.399	0.417	0.429	0.406	6.23
5) T Bromomethane	0.126	0.137	0.150	0.158	0.177	0.178	0.154	13.82
6) T Chloroethane	0.231	0.245	0.256	0.235	0.242	0.237	0.241	3.69
7) T Trichlorofluor...	0.423	0.478	0.511	0.469	0.485	0.494	0.477	6.27
9) T 1,1-Dichloroet...	0.244	0.257	0.278	0.257	0.270	0.275	0.264	4.97
10) T Trichlorotrifl...	0.174	0.195	0.206	0.188	0.198	0.200	0.193	5.78
11) T Carbon Disulfide	0.854	0.842	0.860	0.792	0.828	0.835	0.835	2.88
12) T Acrolein	0.015	0.016	0.017	0.016	0.018	0.011	0.016	15.15#
13) T Methylene Chlo...	0.325	0.284	0.279	0.255	0.268	0.272	0.281	8.49
14) T Acetone		0.040	0.036	0.029	0.030	0.028	0.033	16.12#
15) T Trans-1,2-Dich...	0.271	0.291	0.298	0.279	0.291	0.299	0.288	3.85
17) T Methyl t-Butyl...	0.377	0.413	0.426	0.403	0.440	0.453	0.419	6.51
19) T 1,1-Dichloroet...	0.562	0.600	0.616	0.558	0.592	0.600	0.588	3.94
20) T Acrylonitrile	0.029	0.035	0.038	0.035	0.039	0.039	0.036	9.95
23) T Cis-1,2-Dichlo...	0.288	0.306	0.308	0.285	0.300	0.303	0.299	3.22
24) T 2,2-Dichloropr...	0.418	0.445	0.459	0.415	0.435	0.441	0.436	3.78
25) T Bromochloromet...	0.096	0.098	0.100	0.093	0.102	0.104	0.099	3.98
27) T Chloroform	0.528	0.543	0.549	0.492	0.522	0.522	0.526	3.78
28) T Carbon Tetrach...	0.294	0.315	0.330	0.312	0.341	0.359	0.325	7.07
29) T Tetrahydrofura...	0.030	0.032	0.033	0.028	0.030	0.031	0.031#	5.60
30) T 1,1,1-Trichlor...	0.421	0.441	0.451	0.414	0.437	0.446	0.435	3.33
31) SURR% Dibromofluor...	0.080	0.080	0.081	0.079	0.079	0.079	0.080	1.05
32) T Methyl Ethyl K...		0.053	0.049	0.043	0.043	0.044	0.046	10.16
33) INT 1,4-Difluorobenzene	-----ISTD-----							
34) T 1,1-Dichloropr...	0.232	0.251	0.259	0.243	0.253	0.256	0.249	3.94
35) T Benzene	0.687	0.727	0.740	0.690	0.728	0.732	0.718	3.20
37) T 1,2-Dichloroet...	0.150	0.156	0.163	0.149	0.160	0.159	0.156	3.57
39) T Trichloroethene	0.172	0.179	0.184	0.171	0.180	0.181	0.178	2.80
40) T Dibromomethane	0.055	0.061	0.061	0.057	0.061	0.062	0.059#	4.56
41) T 1,2-dichloropr...	0.175	0.176	0.178	0.164	0.176	0.177	0.175	2.91
42) T Bromodichlorom...	0.158	0.175	0.178	0.164	0.178	0.180	0.172#	5.12
43) T cis-1,3-Dichlo...	0.194	0.213	0.219	0.207	0.228	0.235	0.216	6.79
44) T Toluene	0.390	0.430	0.435	0.410	0.438	0.447	0.425	5.01
45) SURR% Toluene-d8	1.223	1.241	1.247	1.256	1.255	1.259	1.247	1.06
46) T 4-Methyl-2-Pen...	0.061	0.062	0.062	0.058	0.061	0.062	0.061#	2.45
47) T Tetrachloroethene	0.125	0.132	0.135	0.127	0.133	0.135	0.131	3.26
48) T trans-1,3-Dich...	0.139	0.144	0.150	0.146	0.161	0.166	0.151	6.99
49) T 1,1,2-Trichlor...	0.069	0.081	0.082	0.075	0.081	0.083	0.079#	6.72
50) INT Chlorobenzene-d5	-----ISTD-----							
51) T Dibromochlorom...	0.085	0.100	0.095	0.095	0.108	0.111	0.099	9.56
52) T 1,3-Dichloropr...	0.172	0.187	0.179	0.165	0.177	0.177	0.176	4.20
53) T 1,2-Dibromoethane	0.078	0.088	0.091	0.083	0.089	0.090	0.086	5.63
54) T 2-Hexanone		0.039	0.047	0.043	0.045	0.047	0.044	7.81
55) T Chlorobenzene	0.481	0.505	0.508	0.471	0.501	0.505	0.495#	3.10
56) T Ethylbenzene	0.255	0.282	0.289	0.274	0.291	0.296	0.281	5.29
57) T 1,1,1,2-Tetrac...	0.093	0.111	0.119	0.119	0.133	0.137	0.118	13.45
58) T m&p-Xylene	0.289	0.345	0.361	0.348	0.372	0.385	0.350	9.59
59) T o-Xylene	0.256	0.313	0.332	0.330	0.354	0.363	0.325	11.70
60) T Styrene	0.380	0.517	0.534	0.511	0.555	0.560	0.509	13.06
61) T Bromoform	0.025	0.027	0.029	0.031	0.039	0.042	0.032#	21.23#
62) SURR% Bromofluorob...	0.499	0.510	0.510	0.518	0.521	0.522	0.513	1.70
63) INT 1,4-Dichlorobenzen...	-----ISTD-----							
64) SURR% 1,2-dichloro...	0.847	0.847	0.849	0.844	0.857	0.858	0.850	0.67

Response Factor Report CHEM02

Method	Path : H:\V2024\CHEM02\Methods\
Method	File : VT-P020624.M
65) T	Isopropylbenzene 0.307 0.386 0.404 0.390 0.427 0.439 0.392 11.90
66) T	Bromobenzene 0.284 0.306 0.308 0.283 0.312 0.317 0.302 4.79
67) T	n-Propylbenzene 0.367 0.424 0.432 0.415 0.449 0.455 0.424 7.42
68) T	1,1,2,2-Tetrac... 0.148 0.161 0.160 0.143 0.163 0.162 0.156# 5.45
69) T	2-Chlorotoluene 0.313 0.367 0.375 0.349 0.377 0.385 0.361 7.32
70) T	1,3,5-Trimethy... 1.048 1.303 1.370 1.269 1.391 1.410 1.299 10.32
71) T	1,2,3-Trichlor... 0.128 0.141 0.135 0.123 0.136 0.138 0.134 4.97
72) T	trans-1,4-Dich... 0.025 0.030 0.034 0.038 0.050 0.053 0.038 29.16#
73) T	4-Chlorotoluene 0.345 0.377 0.388 0.359 0.389 0.393 0.375 5.13
74) T	tert-Butylbenzene 0.876 1.087 1.154 1.097 1.203 1.218 1.106 11.28
75) T	1,2,4-Trimethy... 1.047 1.353 1.400 1.312 1.423 1.444 1.330 11.01
76) T	sec-Butylbenzene 1.439 1.742 1.817 1.706 1.842 1.872 1.737 9.11
77) T	p-Isopropyltol... 1.122 1.445 1.545 1.461 1.590 1.618 1.464 12.35
78) T	1,3-Dichlorobe... 0.627 0.709 0.708 0.647 0.698 0.704 0.682 5.22
79) T	1,4-Dichlorobe... 0.627 0.687 0.694 0.633 0.687 0.692 0.670 4.64
81) T	2-Isopropyltol... 1.201 1.407 1.438 1.347 1.462 1.482 1.390 7.47
82) T	n-Butylbenzene 1.144 1.427 1.477 1.398 1.520 1.539 1.418 10.18
83) T	1,2-Dichlorobe... 0.533 0.588 0.592 0.544 0.589 0.590 0.573 4.65
84) T	1,2-Dibromo-3-... 0.010 0.016 0.016 0.017 0.021 0.022 0.017 25.29#
85) T	Hexachlorobuta... 0.157 0.179 0.181 0.164 0.178 0.180 0.173 5.79
86) T	1,2,4-Trichlor... 0.292 0.315 0.333 0.318 0.346 0.348 0.325 6.56
87) T	Naphthalene 0.366 0.462 0.507 0.510 0.581 0.581 0.501 16.12#
88) T	1,2,3-Trichlor... 0.223 0.264 0.278 0.257 0.279 0.278 0.263 8.19

89) INT 1,4-Dioxane d8 -----ISTD-----

(#,\$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_10.D
 Acq On : 6 Feb 2024 10:33 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD, VOA140 I 02/06 DT1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 10:52:55 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	359100	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	598561	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	490752	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	287192	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	36858	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	28817	10.112	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.10%			
45) % Toluene-d8	5.132	98	732246	9.744	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.40%			
62) % Bromofluorobenzene	7.166	95	244913	9.627	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.30%			
64) % 1,2-dichlorobenzene-d4	8.155	152	243349	10.036	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.40%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	5782	0.464	ug/l	99
3) Chloromethane	1.267	50	7245	0.486	ug/l	91
4) Vinyl Chloride	1.309	62	6512	0.454	ug/l	84
5) Bromomethane	1.497	94	2254	0.397	ug/l	96
6) Chloroethane	1.570	64	4145	0.491	ug/l	95
7) Trichlorofluoromethane	1.654	101	7602	0.452	ug/l	96
9) 1,1-Dichloroethene	1.968	96	4382	0.475	ug/l	96
10) Trichlorotrifluoroethane	1.999	151	3123	0.462	ug/l	90
11) Carbon Disulfide	1.999	76	15325	0.539	ug/l	98
12) Acrolein	2.187	56	1386	2.415	ug/l	78
13) Methylene Chloride	2.349	84	5834	0.636	ug/l	95
14) Acetone	2.381	43	1265	1.214	ug/l	74
15) Trans-1,2-Dichloroethene	2.459	96	4865	0.486	ug/l	97
17) Methyl t-Butyl Ether (...)	2.533	73	6769	0.467	ug/l	92
19) 1,1-Dichloroethane	2.862	63	10091	0.504	ug/l	98
20) Acrylonitrile	2.883	53	529	0.418	ug/l	85
23) Cis-1,2-Dichloroethene	3.218	96	5175	0.505	ug/l	96
24) 2,2-Dichloropropane	3.286	77	7511	0.504	ug/l	98
25) Bromochloromethane	3.348	128	1721	0.514	ug/l#	85
27) Chloroform	3.395	83	9479	0.536	ug/l	95
28) Carbon Tetrachloride	3.495	117	5285	0.472	ug/l	99
29) Tetrahydrofuran (THF)	3.516	42	1352	1.351	ug/l	93
30) 1,1,1-Trichloroethane	3.537	97	7558	0.508	ug/l	98
32) Methyl Ethyl Ketone	3.511	43	551	0.358	ug/l	71
34) 1,1-Dichloropropene	3.615	75	6954	0.477	ug/l	97
35) Benzene	3.783	78	20559	0.498	ug/l	98
37) 1,2-Dichloroethane	3.908	62	4490	0.504	ug/l	79
39) Trichloroethene	4.170	130	5159	0.503	ug/l#	1
40) Dibromomethane	4.457	93	1655	0.489	ug/l	92
41) 1,2-dichloropropane	4.520	63	5235	0.532	ug/l	93
42) Bromodichloromethane	4.562	83	4736	0.481	ug/l	92
43) cis-1,3-Dichloropropene	5.001	75	5808	0.468	ug/l	99
44) Toluene	5.169	92	11661	0.476	ug/l	99
46) 4-Methyl-2-Pentanone	5.430	43	1829	0.526	ug/l	73
47) Tetrachloroethene	5.446	164	3747	0.493	ug/l	95
48) trans-1,3-Dichloropropene	5.456	75	4150	0.475	ug/l	98
49) 1,1,2-Trichloroethane	5.571	97	2075	0.460	ug/l	93

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_10.D
 Acq On : 6 Feb 2024 10:33 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD, VOA140 I 02/06 DT1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 10:52:55 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

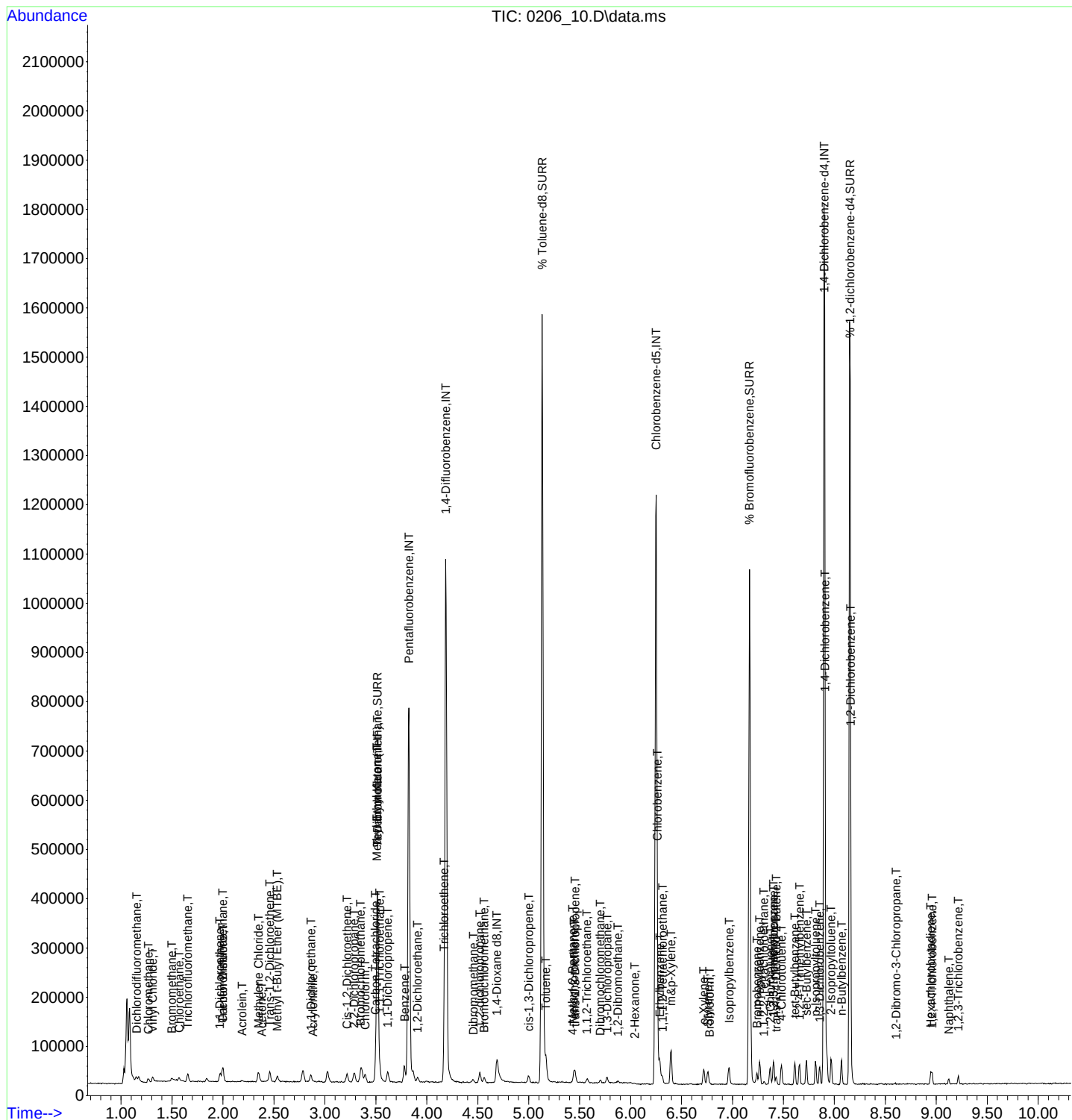
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	2089	0.448	ug/l	97
52) 1,3-Dichloropropane	5.770	76	4210	0.521	ug/l	94
53) 1,2-Dibromoethane	5.875	107	1913	0.467	ug/l	96
54) 2-Hexanone	6.042	43	972	0.463	ug/l	72
55) Chlorobenzene	6.262	112	11802	0.511	ug/l	88
56) Ethylbenzene	6.288	106	6262	0.465	ug/l	91
57) 1,1,1,2-Tetrachloroethane	6.314	131	2274	0.390	ug/l#	67
58) m&p-Xylene	6.398	106	14167	0.830	ug/l	94
59) o-Xylene	6.717	106	6290	0.388	ug/l	97
60) Styrene	6.759	104	9318	0.372	ug/l	96
61) Bromoform	6.774	173	613	0.405	ug/l	89
65) Isopropylbenzene	6.968	120	4405	0.393	ug/l	93
66) Bromobenzene	7.240	156	4085	0.503	ug/l	92
67) n-Propylbenzene	7.266	120	5271	0.442	ug/l#	84
68) 1,1,2,2-Tetrachloroethane	7.308	83	2131	0.521	ug/l	95
69) 2-Chlorotoluene	7.370	126	4500	0.449	ug/l	86
70) 1,3,5-Trimethylbenzene	7.402	105	15054	0.413	ug/l	100
71) 1,2,3-Trichloropropane	7.402	75	1840	0.519	ug/l	83
72) trans-1,4-Dichloro-2-b...	7.428	75	1775	1.629	ug/l	81
73) 4-Chlorotoluene	7.480	126	4954	0.480	ug/l	99
74) tert-Butylbenzene	7.611	119	12572	0.399	ug/l	93
75) 1,2,4-Trimethylbenzene	7.658	105	15040	0.399	ug/l	99
76) sec-Butylbenzene	7.726	105	20670	0.422	ug/l	96
77) p-Isopropyltoluene	7.815	119	16112	0.384	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	9009	0.485	ug/l	97
79) 1,4-Dichlorobenzene	7.909	146	9506m	0.523	ug/l	98
81) 2-Isopropyltoluene	7.967	119	17246	0.446	ug/l	99
82) n-Butylbenzene	8.071	91	16427	0.409	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	7659	0.490	ug/l#	66
84) 1,2-Dibromo-3-Chloropr...	8.605	155	139	0.288	ug/l#	57
85) Hexachlorobutadiene	8.945	225	2252	0.477	ug/l	92
86) 1,2,4-Trichlorobenzene	8.960	180	4191	0.458	ug/l	94
87) Naphthalene	9.123	128	5258	0.359	ug/l	94
88) 1,2,3-Trichlorobenzene	9.217	180	3207	0.435	ug/l	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_10.D
 Acq On : 6 Feb 2024 10:33 pm
 Operator :
 Client ID : BFB TUNE
 Lab ID : VOA 0.5 PPB STD, VOA140 I 02/06 DT1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 10:52:55 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_11.D
 Acq On : 6 Feb 2024 10:57 pm
 Operator :
 Client ID : ICAL 2
 Lab ID : VOA 2 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:49:58 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	355579	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	588600	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	480184	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	286664	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.688	96	36172	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	28456	10.084	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.80%		
45) % Toluene-d8	5.132	98	730633	9.887	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.90%		
62) % Bromofluorobenzene	7.167	95	245081	9.846	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.50%		
64) % 1,2-dichlorobenzene-d4	8.155	152	242819	10.033	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.30%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	24971	1.968	ug/l	99
3) Chloromethane	1.267	50	30556	2.002	ug/l	94
4) Vinyl Chloride	1.309	62	28291	1.960	ug/l	99
5) Bromomethane	1.497	94	9713	1.771	ug/l	95
6) Chloroethane	1.565	64	17437	2.035	ug/l	96
7) Trichlorofluoromethane	1.654	101	33973	2.005	ug/l	98
9) 1,1-Dichloroethene	1.968	96	18255	1.948	ug/l	97
10) Trichlorotrifluoroethane	1.994	151	13852	2.014	ug/l	94
11) Carbon Disulfide	1.999	76	59894	2.017	ug/l	99
12) Acrolein	2.187	56	5826	10.520	ug/l	93
13) Methylene Chloride	2.344	84	20177	2.023	ug/l	93
14) Acetone	2.381	43	2875	2.464	ug/l	90
15) Trans-1,2-Dichloroethene	2.454	96	20714	2.022	ug/l	97
17) Methyl t-Butyl Ether (...)	2.533	73	29372	1.972	ug/l	95
19) 1,1-Dichloroethane	2.862	63	42659	2.041	ug/l	99
20) Acrylonitrile	2.883	53	2494	1.953	ug/l	93
23) Cis-1,2-Dichloroethene	3.213	96	21791	2.052	ug/l	96
24) 2,2-Dichloropropane	3.286	77	31652	2.044	ug/l	99
25) Bromochloromethane	3.343	128	6945	1.977	ug/l#	83
27) Chloroform	3.396	83	38592	2.064	ug/l	100
28) Carbon Tetrachloride	3.495	117	22385	1.937	ug/l	100
29) Tetrahydrofuran (THF)	3.511	42	5656	5.201	ug/l	98
30) 1,1,1-Trichloroethane	3.537	97	31378	2.029	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	3790	2.297	ug/l	68
34) 1,1-Dichloropropene	3.615	75	29519	2.013	ug/l	97
35) Benzene	3.777	78	85616	2.027	ug/l	100
37) 1,2-Dichloroethane	3.913	62	18385	2.001	ug/l	95
39) Trichloroethene	4.170	130	21042	2.011	ug/l#	61
40) Dibromomethane	4.452	93	7128	2.039	ug/l	99
41) 1,2-dichloropropane	4.520	63	20736	2.018	ug/l	99
42) Bromodichloromethane	4.562	83	20615	2.034	ug/l	95
43) cis-1,3-Dichloropropene	5.001	75	25051	1.970	ug/l	99
44) Toluene	5.169	92	50659	2.026	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	7261	2.021	ug/l	92
47) Tetrachloroethene	5.446	164	15585	2.015	ug/l	98
48) trans-1,3-Dichloropropene	5.456	75	16939	1.908	ug/l	96
49) 1,1,2-Trichloroethane	5.571	97	9540	2.061	ug/l	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_11.D
 Acq On : 6 Feb 2024 10:57 pm
 Operator :
 Client ID : ICAL 2
 Lab ID : VOA 2 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:49:58 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	9609	2.019	ug/l	99
52) 1,3-Dichloropropane	5.770	76	17919	2.119	ug/l	97
53) 1,2-Dibromoethane	5.875	107	8418	2.028	ug/l	100
54) 2-Hexanone	6.037	43	3746	1.762	ug/l	92
55) Chlorobenzene	6.262	112	48520	2.040	ug/l	94
56) Ethylbenzene	6.288	106	27077	2.005	ug/l	98
57) 1,1,1,2-Tetrachloroethane	6.309	131	10635	1.869	ug/l	91
58) m&p-Xylene	6.398	106	66203	3.940	ug/l	95
59) o-Xylene	6.717	106	30080	1.929	ug/l	97
60) Styrene	6.759	104	49653	2.030	ug/l	100
61) Bromoform	6.774	173	2595	1.678	ug/l	97
65) Isopropylbenzene	6.968	120	22113	1.967	ug/l	95
66) Bromobenzene	7.240	156	17557	2.030	ug/l	91
67) n-Propylbenzene	7.266	120	24337	2.004	ug/l#	85
68) 1,1,2,2-Tetrachloroethane	7.308	83	9203	2.056	ug/l	98
69) 2-Chlorotoluene	7.371	126	21027	2.032	ug/l	89
70) 1,3,5-Trimethylbenzene	7.402	105	74721	2.007	ug/l	98
71) 1,2,3-Trichloropropane	7.397	75	8097	2.113	ug/l#	79
72) trans-1,4-Dichloro-2-b...	7.428	75	8624	7.850	ug/l#	81
73) 4-Chlorotoluene	7.480	126	21591	2.008	ug/l	95
74) tert-Butylbenzene	7.611	119	62329	1.966	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	77551	2.034	ug/l	99
76) sec-Butylbenzene	7.726	105	99898	2.007	ug/l	97
77) p-Isopropyltoluene	7.815	119	82858	1.975	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	40667	2.079	ug/l	98
79) 1,4-Dichlorobenzene	7.909	146	39372	2.049	ug/l	95
81) 2-Isopropyltoluene	7.967	119	80669	2.025	ug/l	99
82) n-Butylbenzene	8.071	91	81787	2.013	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	33737	2.055	ug/l	93
84) 1,2-Dibromo-3-Chloropr...	8.605	155	942	1.936	ug/l	90
85) Hexachlorobutadiene	8.945	225	10284	2.072	ug/l	97
86) 1,2,4-Trichlorobenzene	8.961	180	18078	1.938	ug/l	95
87) Naphthalene	9.123	128	26479	1.843	ug/l	97
88) 1,2,3-Trichlorobenzene	9.217	180	15111	2.003	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

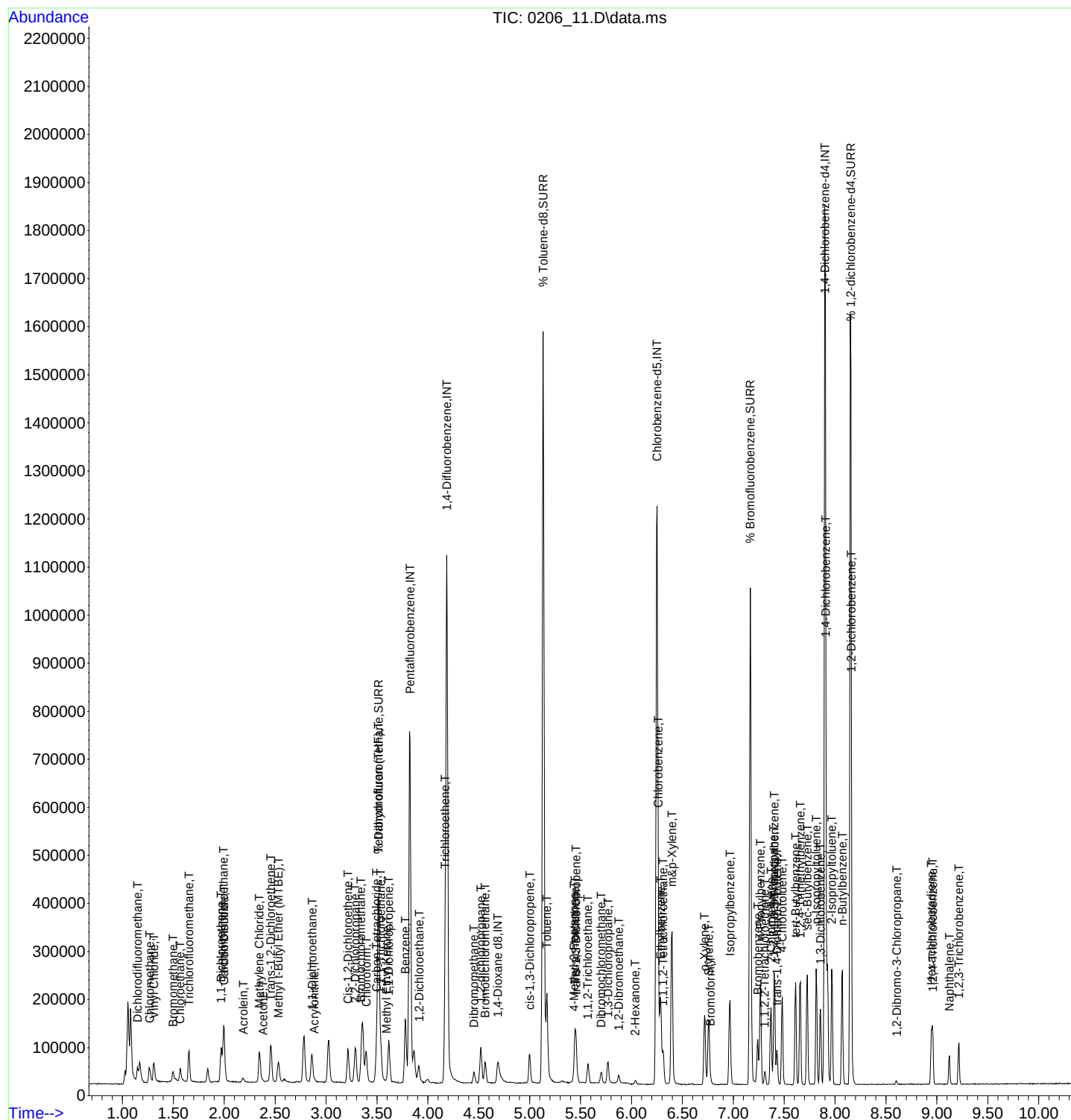
Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\V2024\CHEM02\02FEB\020624\
Data File   : 0206_11.D
Acq On      : 6 Feb 2024 10:57 pm
Operator    :
Client ID    : ICAL 2
Lab ID      : VOA 2 PPB STD.
ALS Vial    : 1 Sample Multiplier: 1

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Quant Time: Feb 07 05:49:58 2024
Quant Method : H:\2024\CHEM02\METHODS\VT-P020624.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed Feb 07 05:49:33 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_12.D
 Acq On : 6 Feb 2024 11:20 pm
 Operator :
 Client ID : ICAL 4
 Lab ID : VOA 4 PPB STD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:50:00 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	351476	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	585698	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	492644	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	295737	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	36943	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	28475	10.209	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.10%			
45) % Toluene-d8	5.132	98	730087	9.928	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.30%			
62) % Bromofluorobenzene	7.166	95	251343	9.842	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.40%			
64) % 1,2-dichlorobenzene-d4	8.155	152	251163	10.059	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.60%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.146	85	53148	4.238	ug/l	99
3) Chloromethane	1.262	50	63598	4.216	ug/l	100
4) Vinyl Chloride	1.303	62	60414	4.235	ug/l	97
5) Bromomethane	1.492	94	21072	3.887	ug/l	98
6) Chloroethane	1.565	64	35963	4.246	ug/l	95
7) Trichlorofluoromethane	1.649	101	71897	4.292	ug/l	99
9) 1,1-Dichloroethene	1.968	96	39067	4.218	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	28945	4.258	ug/l	97
11) Carbon Disulfide	1.994	76	120937	4.119	ug/l	100
12) Acrolein	2.182	56	11815	21.584	ug/l	94
13) Methylene Chloride	2.344	84	39175	3.973	ug/l	96
14) Acetone	2.376	43	5094	4.417	ug/l	96
15) Trans-1,2-Dichloroethene	2.454	96	41907	4.139	ug/l	95
17) Methyl t-Butyl Ether (...)	2.532	73	59908	4.070	ug/l	96
19) 1,1-Dichloroethane	2.862	63	86623	4.192	ug/l	99
20) Acrylonitrile	2.888	53	5372	4.257	ug/l	94
23) Cis-1,2-Dichloroethene	3.218	96	43355	4.129	ug/l	95
24) 2,2-Dichloropropane	3.286	77	64469	4.211	ug/l	98
25) Bromochloromethane	3.348	128	14087	4.057	ug/l#	83
27) Chloroform	3.390	83	77136	4.173	ug/l	99
28) Carbon Tetrachloride	3.495	117	46371	4.059	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	11535	10.730	ug/l	93
30) 1,1,1-Trichloroethane	3.537	97	63458	4.150	ug/l	96
32) Methyl Ethyl Ketone	3.599	43	6934	4.251	ug/l	79
34) 1,1-Dichloropropene	3.615	75	60790	4.166	ug/l	97
35) Benzene	3.777	78	173432	4.127	ug/l	100
37) 1,2-Dichloroethane	3.908	62	38149	4.173	ug/l	95
39) Trichloroethene	4.170	130	43128	4.142	ug/l#	84
40) Dibromomethane	4.452	93	14341	4.124	ug/l	99
41) 1,2-dichloropropane	4.520	63	41809	4.090	ug/l	98
42) Bromodichloromethane	4.562	83	41616	4.126	ug/l	97
43) cis-1,3-Dichloropropene	5.001	75	51378	4.059	ug/l	98
44) Toluene	5.168	92	101841	4.092	ug/l	99
46) 4-Methyl-2-Pentanone	5.430	43	14459	4.045	ug/l	96
47) Tetrachloroethene	5.446	164	31738	4.124	ug/l	96
48) trans-1,3-Dichloropropene	5.456	75	35037	3.966	ug/l	99
49) 1,1,2-Trichloroethane	5.571	97	19326	4.196	ug/l	93

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_12.D
 Acq On : 6 Feb 2024 11:20 pm
 Operator :
 Client ID : ICAL 4
 Lab ID : VOA 4 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:50:00 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

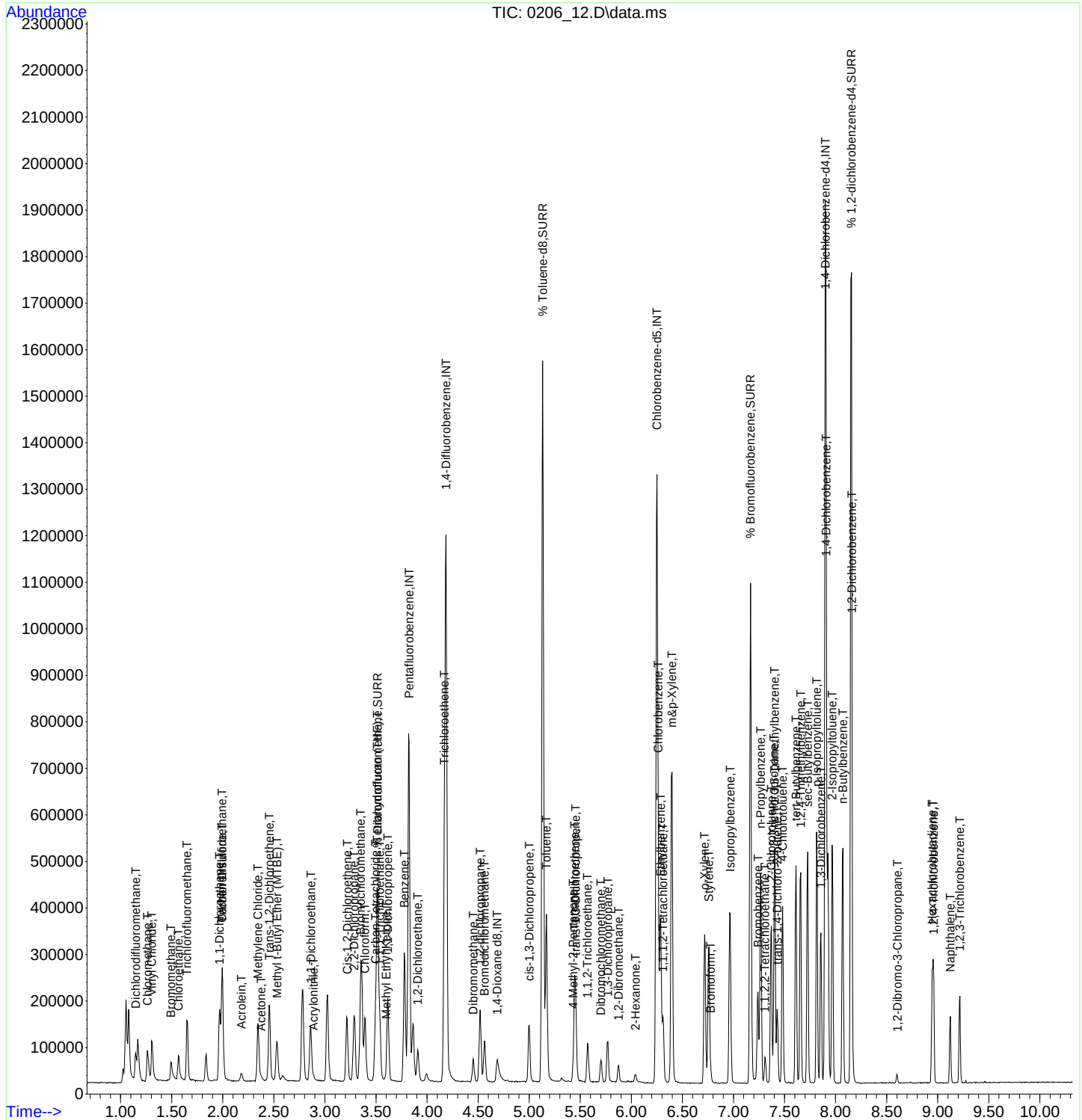
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	18811	3.852	ug/l	97
52) 1,3-Dichloropropane	5.770	76	35295	4.068	ug/l	98
53) 1,2-Dibromoethane	5.875	107	17845	4.190	ug/l	99
54) 2-Hexanone	6.042	43	9334	4.280	ug/l	97
55) Chlorobenzene	6.262	112	100108	4.103	ug/l	95
56) Ethylbenzene	6.288	106	56997	4.113	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.309	131	23442	4.016	ug/l	95
58) m&p-Xylene	6.398	106	142371	8.259	ug/l	98
59) o-Xylene	6.717	106	65347	4.084	ug/l	96
60) Styrene	6.758	104	105247	4.193	ug/l	99
61) Bromoform	6.774	173	5755	3.628	ug/l	96
65) Isopropylbenzene	6.968	120	47803	4.122	ug/l	93
66) Bromobenzene	7.240	156	36411	4.080	ug/l	89
67) n-Propylbenzene	7.266	120	51108	4.078	ug/l#	81
68) 1,1,2,2-Tetrachloroethane	7.308	83	18942	4.103	ug/l	98
69) 2-Chlorotoluene	7.370	126	44392	4.158	ug/l	87
70) 1,3,5-Trimethylbenzene	7.402	105	162111	4.220	ug/l	99
71) 1,2,3-Trichloropropane	7.397	75	16005	4.048	ug/l#	78
72) trans-1,4-Dichloro-2-b...	7.428	75	20223	17.844	ug/l	91
73) 4-Chlorotoluene	7.480	126	45943	4.141	ug/l	94
74) tert-Butylbenzene	7.611	119	136481	4.174	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	165664	4.212	ug/l	99
76) sec-Butylbenzene	7.726	105	214953	4.186	ug/l	97
77) p-Isopropyltoluene	7.815	119	182808	4.224	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	83732	4.149	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	82148	4.144	ug/l	98
81) 2-Isopropyltoluene	7.967	119	170162	4.141	ug/l	100
82) n-Butylbenzene	8.071	91	174770	4.169	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	69975	4.131	ug/l	97
84) 1,2-Dibromo-3-Chloropr...	8.605	155	1935	3.856	ug/l	84
85) Hexachlorobutadiene	8.945	225	21402	4.179	ug/l	100
86) 1,2,4-Trichlorobenzene	8.960	180	39341	4.088	ug/l	97
87) Naphthalene	9.123	128	59924	4.043	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	32929	4.232	ug/l	95

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
Data File : 0206_12.D
Acq On : 6 Feb 2024 11:20 pm
Operator :
Client ID : ICAL 4
Lab ID : VOA 4 PPB STD
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:50:00 2024
Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Feb 07 05:49:33 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_13.D
 Acq On : 6 Feb 2024 11:44 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : VOA 10 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 10:53:44 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	358962	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	593032	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	506265	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	312650	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	39459	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	28487	9.952	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.50%	
45) % Toluene-d8	5.132	98	744571	10.070	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.70%	
62) % Bromofluorobenzene	7.166	95	262442	10.095	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.00%	
64) % 1,2-dichlorobenzene-d4	8.155	152	263972	9.927	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.30%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.146	85	124572	9.726	ug/l	99
3) Chloromethane	1.262	50	149122	9.680	ug/l	100
4) Vinyl Chloride	1.303	62	143265	9.833	ug/l	97
5) Bromomethane	1.492	94	56743	10.248	ug/l	99
6) Chloroethane	1.565	64	84354	9.752	ug/l	95
7) Trichlorofluoromethane	1.649	101	168304	9.837	ug/l	100
9) 1,1-Dichloroethene	1.968	96	92238	9.751	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	67593	9.735	ug/l	95
11) Carbon Disulfide	1.994	76	284427	9.486	ug/l	98
12) Acrolein	2.182	56	28685	51.310	ug/l	95
13) Methylene Chloride	2.344	84	91637	9.099	ug/l	91
14) Acetone	2.376	43	10419	8.845	ug/l	95
15) Trans-1,2-Dichloroethene	2.454	96	99994	9.670	ug/l	98
17) Methyl t-Butyl Ether (...)	2.527	73	144757	9.629	ug/l	99
19) 1,1-Dichloroethane	2.857	63	200221	9.487	ug/l	98
20) Acrylonitrile	2.883	53	12650	9.815	ug/l	98
23) Cis-1,2-Dichloroethene	3.212	96	102481	9.558	ug/l	96
24) 2,2-Dichloropropane	3.286	77	149065	9.534	ug/l	98
25) Bromochloromethane	3.343	128	33484	9.442	ug/l#	86
27) Chloroform	3.390	83	176659	9.358	ug/l	99
28) Carbon Tetrachloride	3.495	117	111848	9.587	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	25018	22.787	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	148729	9.524	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	15376	9.230	ug/l	78
34) 1,1-Dichloropropene	3.615	75	144397	9.774	ug/l	97
35) Benzene	3.777	78	409300	9.619	ug/l	100
37) 1,2-Dichloroethane	3.908	62	88271	9.537	ug/l	98
39) Trichloroethene	4.170	130	101583	9.635	ug/l	95
40) Dibromomethane	4.452	93	33563	9.531	ug/l	98
41) 1,2-dichloropropane	4.520	63	97535	9.423	ug/l	97
42) Bromodichloromethane	4.562	83	97464	9.543	ug/l	99
43) cis-1,3-Dichloropropene	4.996	75	122990	9.597	ug/l	98
44) Toluene	5.169	92	242894	9.640	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	34461	9.520	ug/l	97
47) Tetrachloroethene	5.446	164	75335	9.668	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	86511	9.671	ug/l	96
49) 1,1,2-Trichloroethane	5.571	97	44698	9.585	ug/l	90

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_13.D
 Acq On : 6 Feb 2024 11:44 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : VOA 10 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 10:53:44 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	48089	9.582	ug/l	98
52) 1,3-Dichloropropane	5.770	76	83372	9.351	ug/l	97
53) 1,2-Dibromoethane	5.875	107	42259	9.655	ug/l	99
54) 2-Hexanone	6.037	43	21638	9.655	ug/l	95
55) Chlorobenzene	6.262	112	238479	9.512	ug/l	97
56) Ethylbenzene	6.288	106	138906	9.754	ug/l	97
57) 1,1,1,2-Tetrachloroethane	6.314	131	60192	10.035	ug/l	96
58) m&p-Xylene	6.398	106	352101	19.877	ug/l	99
59) o-Xylene	6.717	106	167204	10.170	ug/l	98
60) Styrene	6.759	104	258700	10.030	ug/l	98
61) Bromoform	6.774	173	15604	9.572	ug/l	99
65) Isopropylbenzene	6.968	120	122055	9.955	ug/l	95
66) Bromobenzene	7.240	156	88473	9.379	ug/l	86
67) n-Propylbenzene	7.266	120	129839	9.800	ug/l#	87
68) 1,1,2,2-Tetrachloroethane	7.308	83	44568	9.131	ug/l	98
69) 2-Chlorotoluene	7.370	126	109021	9.659	ug/l	85
70) 1,3,5-Trimethylbenzene	7.402	105	396792	9.771	ug/l	99
71) 1,2,3-Trichloropropane	7.397	75	38585	9.231	ug/l#	80
72) trans-1,4-Dichloro-2-b...	7.428	75	59307	49.498	ug/l	92
73) 4-Chlorotoluene	7.480	126	112262	9.571	ug/l	93
74) tert-Butylbenzene	7.611	119	342878	9.918	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	410347	9.869	ug/l	99
76) sec-Butylbenzene	7.726	105	533357	9.824	ug/l	96
77) p-Isopropyltoluene	7.815	119	456872	9.985	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	202411	9.488	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	198000	9.449	ug/l	99
81) 2-Isopropyltoluene	7.967	119	421073	9.692	ug/l	100
82) n-Butylbenzene	8.071	91	437084	9.862	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	170100	9.499	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	5248	9.891	ug/l	96
85) Hexachlorobutadiene	8.945	225	51430	9.499	ug/l	99
86) 1,2,4-Trichlorobenzene	8.960	180	99578	9.786	ug/l	96
87) Naphthalene	9.123	128	159501	10.180	ug/l	97
88) 1,2,3-Trichlorobenzene	9.217	180	80251	9.755	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

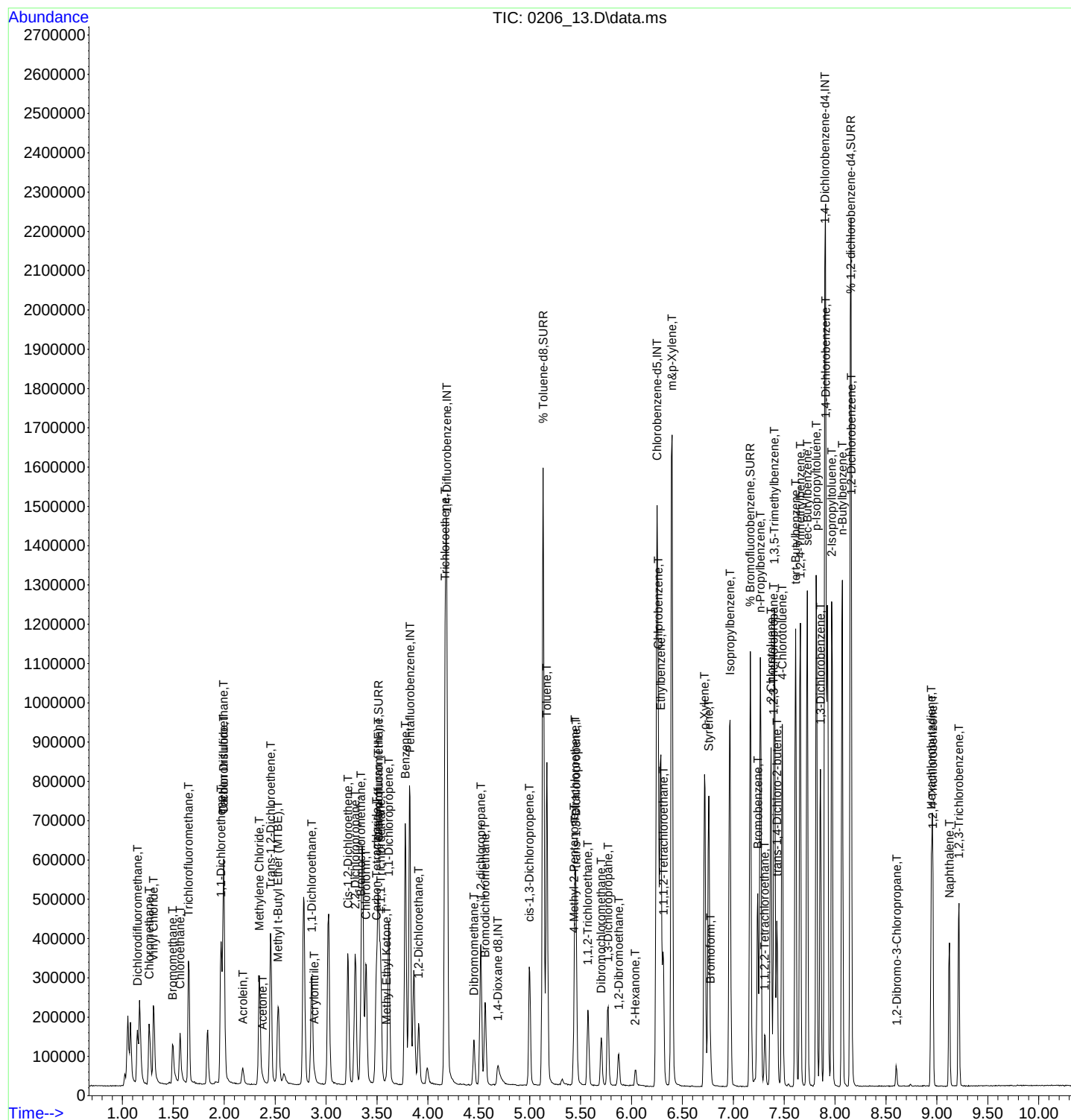
Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\V2024\CHEM02\02FEB\020624\
Data File   : 0206_13.D
Acq On      : 6 Feb 2024 11:44 pm
Operator    :
Client ID   : ICAL 10
Lab ID      : VOA 10 PPB STD.
ALS Vial    : 1 Sample Multiplier: 1

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Quant Time: Feb 07 10:53:44 2024
Quant Method : H:\2024\CHEM02\METHODS\VT-P020624.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed Feb 07 06:01:21 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_14.D
 Acq On : 7 Feb 2024 12:08 am
 Operator :
 Client ID : ICAL 20
 Lab ID : VOA 20 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:50:04 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	357995	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	600586	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	513676	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	313381	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	38564	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	28261	9.947	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.50%		
45) % Toluene-d8	5.132	98	754019	10.000	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.00%		
62) % Bromofluorobenzene	7.166	95	267821	10.058	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.60%		
64) % 1,2-dichlorobenzene-d4	8.155	152	268450	10.146	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.50%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.146	85	262609	20.558	ug/l	100
3) Chloromethane	1.262	50	307230	19.997	ug/l	100
4) Vinyl Chloride	1.303	62	298584	20.549	ug/l	98
5) Bromomethane	1.497	94	126935	22.987	ug/l	99
6) Chloroethane	1.565	64	173426	20.103	ug/l	96
7) Trichlorofluoromethane	1.649	101	347180	20.347	ug/l	98
9) 1,1-Dichloroethene	1.968	96	193534	20.516	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	141417	20.423	ug/l	97
11) Carbon Disulfide	1.994	76	593081	19.834	ug/l	99
12) Acrolein	2.182	56	63695	114.242	ug/l	95
13) Methylene Chloride	2.344	84	192044	19.121	ug/l	92
14) Acetone	2.376	43	21566	18.358	ug/l	95
15) Trans-1,2-Dichloroethene	2.454	96	208229	20.191	ug/l	97
17) Methyl t-Butyl Ether (...)	2.527	73	315116	21.019	ug/l	99
19) 1,1-Dichloroethane	2.857	63	423702	20.131	ug/l	99
20) Acrylonitrile	2.883	53	27702	21.551	ug/l	95
23) Cis-1,2-Dichloroethene	3.218	96	215028	20.108	ug/l	96
24) 2,2-Dichloropropane	3.286	77	311647	19.987	ug/l	97
25) Bromochloromethane	3.348	128	73012	20.644	ug/l	91
27) Chloroform	3.395	83	373545	19.841	ug/l	99
28) Carbon Tetrachloride	3.495	117	243847	20.958	ug/l	100
29) Tetrahydrofuran (THF)	3.511	42	53524	48.883	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	312606	20.073	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	30528	18.375	ug/l	85
34) 1,1-Dichloropropene	3.615	75	303420	20.280	ug/l	97
35) Benzene	3.777	78	874679	20.297	ug/l	99
37) 1,2-Dichloroethane	3.908	62	191644	20.445	ug/l	99
39) Trichloroethene	4.170	130	215654	20.196	ug/l	100
40) Dibromomethane	4.452	93	73335	20.564	ug/l	98
41) 1,2-dichloropropane	4.520	63	211604	20.186	ug/l	97
42) Bromodichloromethane	4.562	83	213957	20.685	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	274267	21.133	ug/l	98
44) Toluene	5.168	92	526502	20.632	ug/l	100
46) 4-Methyl-2-Pentanone	5.435	43	73596	20.076	ug/l	98
47) Tetrachloroethene	5.446	164	160061	20.283	ug/l	97
48) trans-1,3-Dichloropropene	5.456	75	193580	21.368	ug/l	96
49) 1,1,2-Trichloroethane	5.571	97	97126	20.566	ug/l	93

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_14.D
 Acq On : 7 Feb 2024 12:08 am
 Operator :
 Client ID : ICAL 20
 Lab ID : VOA 20 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:50:04 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

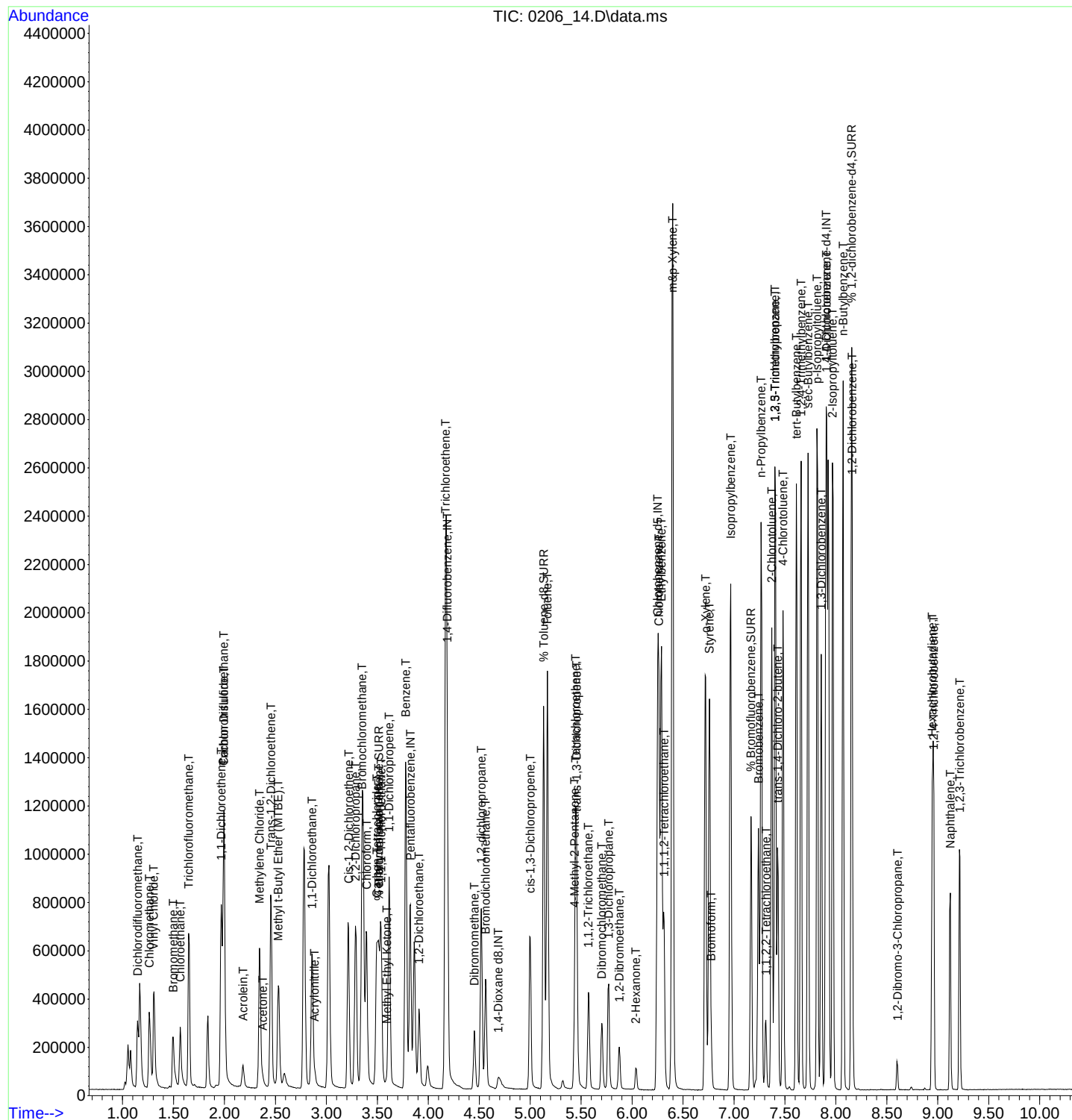
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	111340	21.864	ug/l	98
52) 1,3-Dichloropropane	5.770	76	182339	20.155	ug/l	97
53) 1,2-Dibromoethane	5.875	107	91595	20.626	ug/l	98
54) 2-Hexanone	6.037	43	46509	20.453	ug/l	97
55) Chlorobenzene	6.262	112	514459	20.224	ug/l	97
56) Ethylbenzene	6.288	106	298573	20.663	ug/l	97
57) 1,1,1,2-Tetrachloroethane	6.314	131	136287	22.393	ug/l	97
58) m&p-Xylene	6.398	106	764773	42.550	ug/l	98
59) o-Xylene	6.722	106	363504	21.790	ug/l	97
60) Styrene	6.758	104	569739	21.770	ug/l	99
61) Bromoform	6.774	173	40383	24.416	ug/l	100
65) Isopropylbenzene	6.968	120	267529	21.769	ug/l	94
66) Bromobenzene	7.240	156	195306	20.655	ug/l	88
67) n-Propylbenzene	7.266	120	281383	21.190	ug/l#	85
68) 1,1,2,2-Tetrachloroethane	7.313	83	102124	20.874	ug/l	97
69) 2-Chlorotoluene	7.370	126	236002	20.860	ug/l#	82
70) 1,3,5-Trimethylbenzene	7.402	105	872034	21.424	ug/l	99
71) 1,2,3-Trichloropropane	7.402	75	85154	20.325	ug/l#	79
72) trans-1,4-Dichloro-2-b...	7.428	75	155614	129.574	ug/l	89
73) 4-Chlorotoluene	7.480	126	243919	20.747	ug/l	93
74) tert-Butylbenzene	7.611	119	754200	21.766	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	891910	21.400	ug/l	99
76) sec-Butylbenzene	7.726	105	1154587	21.217	ug/l	96
77) p-Isopropyltoluene	7.815	119	996241	21.722	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	437687	20.468	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	430818	20.511	ug/l	99
81) 2-Isopropyltoluene	7.967	119	916492	21.046	ug/l	99
82) n-Butylbenzene	8.071	91	952923	21.451	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	369033	20.560	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	12884	24.227	ug/l	98
85) Hexachlorobutadiene	8.945	225	111492	20.545	ug/l	99
86) 1,2,4-Trichlorobenzene	8.960	180	217062	21.283	ug/l	96
87) Naphthalene	9.123	128	364167	23.188	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	174853	21.205	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

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Data Path : H:\V2024\CHEM02\02FEB\020624\  
Data File : 0206_14.D  
Acq On : 7 Feb 2024 12:08 am  
Operator :  
Client ID : ICAL 20  
Lab ID : VOA 20 PPB STD.  
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Feb 07 05:50:04 2024
Quant Method : H:\2024\CHEM02\METHODS\VT-P020624.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed Feb 07 05:49:33 2024
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_15.D
 Acq On : 7 Feb 2024 12:31 am
 Operator :
 Client ID : ICAL 30
 Lab ID : VOA 30 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:50:06 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	346830	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	584472	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	512282	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	311929	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.688	96	39194	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	27353	9.938	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.40%	
45) % Toluene-d8	5.132	98	735761	10.026	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.30%	
62) % Bromofluorobenzene	7.167	95	267159	10.060	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.60%	
64) % 1,2-dichlorobenzene-d4	8.155	152	267737	10.166	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	391133	31.605	ug/l	100
3) Chloromethane	1.262	50	462867	31.098	ug/l	99
4) Vinyl Chloride	1.304	62	446322	31.705	ug/l	98
5) Bromomethane	1.492	94	185359	34.647	ug/l	98
6) Chloroethane	1.565	64	246365	29.478	ug/l	96
7) Trichlorofluoromethane	1.649	101	513527	31.064	ug/l	100
9) 1,1-Dichloroethene	1.968	96	286317	31.328	ug/l	98
10) Trichlorotrifluoroethane	1.994	151	208212	31.038	ug/l	97
11) Carbon Disulfide	1.994	76	868802	29.990	ug/l	99
12) Acrolein	2.182	56	95717	177.203	ug/l	95
13) Methylene Chloride	2.344	84	283526	29.139	ug/l	91
14) Acetone	2.376	43	29414	25.844	ug/l	88
15) Trans-1,2-Dichloroethene	2.454	96	310890	31.115	ug/l	97
17) Methyl t-Butyl Ether (...)	2.527	73	471551	32.465	ug/l	99
19) 1,1-Dichloroethane	2.857	63	624187	30.612	ug/l	99
20) Acrylonitrile	2.883	53	40329	32.385	ug/l	97
23) Cis-1,2-Dichloroethene	3.213	96	315716	30.474	ug/l	96
24) 2,2-Dichloropropane	3.286	77	458682	30.364	ug/l	98
25) Bromochloromethane	3.343	128	107990	31.517	ug/l	91
27) Chloroform	3.390	83	543455	29.795	ug/l	98
28) Carbon Tetrachloride	3.495	117	373477	33.132	ug/l	100
29) Tetrahydrofuran (THF)	3.506	42	80583	75.966	ug/l	98
30) 1,1,1-Trichloroethane	3.537	97	463697	30.733	ug/l	97
32) Methyl Ethyl Ketone	3.594	43	45732	28.413	ug/l	80
34) 1,1-Dichloropropene	3.615	75	448894	30.830	ug/l	97
35) Benzene	3.777	78	1284087	30.619	ug/l	99
37) 1,2-Dichloroethane	3.908	62	278858	30.569	ug/l	98
39) Trichloroethene	4.170	130	316848	30.491	ug/l	98
40) Dibromomethane	4.452	93	107942	31.103	ug/l	99
41) 1,2-dichloropropane	4.520	63	310535	30.440	ug/l	97
42) Bromodichloromethane	4.562	83	315410	31.334	ug/l	97
43) cis-1,3-Dichloropropene	4.996	75	411462	32.578	ug/l	99
44) Toluene	5.169	92	783344	31.544	ug/l	100
46) 4-Methyl-2-Pentanone	5.430	43	109298	30.637	ug/l	98
47) Tetrachloroethene	5.446	164	236723	30.825	ug/l	98
48) trans-1,3-Dichloropropene	5.456	75	290906	32.996	ug/l	97
49) 1,1,2-Trichloroethane	5.571	97	145037	31.557	ug/l	90

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
 Data File : 0206_15.D
 Acq On : 7 Feb 2024 12:31 am
 Operator :
 Client ID : ICAL 30
 Lab ID : VOA 30 PPB STD.
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:50:06 2024
 Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 05:49:33 2024
 Response via : Initial Calibration

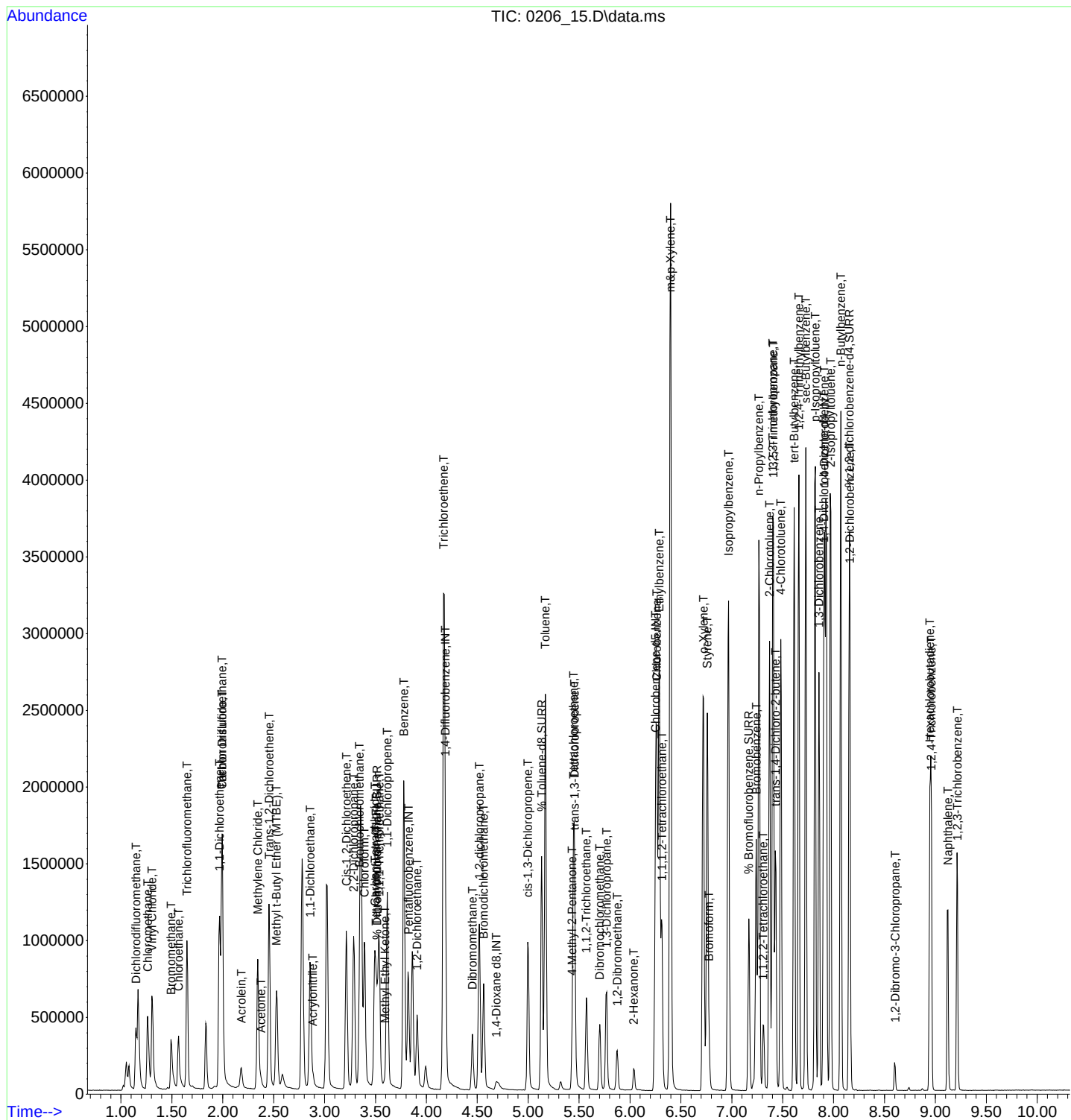
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	170278	33.529	ug/l	99
52) 1,3-Dichloropropane	5.770	76	272439	30.197	ug/l	97
53) 1,2-Dibromoethane	5.875	107	138168	31.198	ug/l	97
54) 2-Hexanone	6.037	43	72157	31.819	ug/l	97
55) Chlorobenzene	6.262	112	776494	30.608	ug/l	96
56) Ethylbenzene	6.288	106	455594	31.615	ug/l	97
57) 1,1,1,2-Tetrachloroethane	6.314	131	210487	34.679	ug/l	97
58) m&p-Xylene	6.398	106	1182929	65.994	ug/l	99
59) o-Xylene	6.722	106	558290	33.558	ug/l	97
60) Styrene	6.759	104	861343	33.002	ug/l	99
61) Bromoform	6.774	173	64327	38.998	ug/l	98
65) Isopropylbenzene	6.968	120	410914	33.593	ug/l	95
66) Bromobenzene	7.240	156	296897	31.545	ug/l	97
67) n-Propylbenzene	7.266	120	425430	32.186	ug/l#	84
68) 1,1,2,2-Tetrachloroethane	7.308	83	151735	31.159	ug/l	99
69) 2-Chlorotoluene	7.371	126	360707	32.031	ug/l#	83
70) 1,3,5-Trimethylbenzene	7.407	105	1319886	32.578	ug/l	100
71) 1,2,3-Trichloropropane	7.402	75	129347	31.016	ug/l#	79
72) trans-1,4-Dichloro-2-b...	7.428	75	249598	208.799	ug/l	86
73) 4-Chlorotoluene	7.481	126	367508	31.405	ug/l	93
74) tert-Butylbenzene	7.611	119	1139577	33.041	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	1351094	32.568	ug/l	99
76) sec-Butylbenzene	7.726	105	1751855	32.342	ug/l	96
77) p-Isopropyltoluene	7.820	119	1513784	33.160	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	658764	30.949	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	647813	30.986	ug/l	99
81) 2-Isopropyltoluene	7.972	119	1386750	31.993	ug/l	100
82) n-Butylbenzene	8.072	91	1440030	32.568	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	552470	30.923	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.605	155	20597	38.910	ug/l	90
85) Hexachlorobutadiene	8.945	225	167983	31.098	ug/l	99
86) 1,2,4-Trichlorobenzene	8.961	180	325753	32.089	ug/l	96
87) Naphthalene	9.123	128	543749	34.784	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	259968	31.674	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\020624\
Data File : 0206_15.D
Acq On : 7 Feb 2024 12:31 am
Operator :
Client ID : ICAL 30
Lab ID : VOA 30 PPB STD.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:50:06 2024
Quant Method : H:\V2024\CHEM02\METHODS\VT-P020624.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed Feb 07 05:49:33 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052

Instrument: CHEM02 Calibration Date: 02/13/24 Time: 17:58

Lab File Id: 0213_29.D Init. Calib. Date(s): 02/06/24 02/07/24

Heated Purge (Y/N): N Init. Calib. Times: 22:33 00:31

GC Column: RTX-VMS Method File: VT-P020624.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Pentafluorobenzene (IS Area/Area%)	358962	324747	n.a.	90.5	50-200
1,4-Difluorobenzene (IS Area/Area%)	593032	550858	n.a.	92.9	50-200
Chlorobenzene-d5 (IS Area/Area%)	506265	451399	n.a.	89.2	50-200
1,4-Dichlorobenzene-d4 (IS Area/Area%)	312650	243698	n.a.	77.9	50-200
1,4-Dioxane d8 (IS Area/Area%)	39459	34233	n.a.	86.8	n.a.
Dichlorodifluoromethane	0.357	0.355	0.010	0.6	20 (60)
Chloromethane	0.429	0.397	0.010	7.5	20 (60)
Vinyl Chloride	0.406	0.410	0.010	-1.0	20 (40)
Bromomethane	0.154	0.155	0.010	-0.6	20 (60)
Chloroethane	0.241	0.254	0.010	-5.4	20 (40)
Trichlorofluoromethane	0.477	0.469	0.010	1.7	20 (40)
1,1-Dichloroethene	0.264	0.272	0.060	-3.0	20 (40)
Trichlorotrifluoroethane	0.193	0.183	0.050	5.2	20 (40)
Carbon Disulfide	0.835	0.850	0.100	-1.8	20 (40)
Acrolein	0.016	0.018	* 0.050	-12.5	20 (40)
Methylene Chloride	0.281	0.287	0.010	-2.1	20 (40)
Acetone	0.033	0.032	0.010	3.0	20 (60)
Trans-1,2-Dichloroethene	0.288	0.310	0.100	-7.6	20 (40)
Methyl t-Butyl Ether (MTBE)	0.419	0.433	0.100	-3.3	20 (40)
1,1-Dichloroethane	0.588	0.636	0.300	-8.2	20 (40)
Acrylonitrile	0.036	0.039	* 0.050	-8.3	20 (40)
Cis-1,2-Dichloroethene	0.299	0.316	0.200	-5.7	20 (40)
2,2-Dichloropropane	0.436	0.383	0.050	12.2	20 (40)
Bromochloromethane	0.099	0.102	0.100	-3.0	20 (40)
Chloroform	0.526	0.551	0.300	-4.8	20 (40)
Carbon Tetrachloride	0.325	0.307	0.100	5.5	20 (40)
Tetrahydrofuran (THF)	0.031	0.032	* 0.050	-3.2	20 (40)
1,1,1-Trichloroethane	0.435	0.437	0.050	-0.5	20 (40)
Methyl Ethyl Ketone	0.046	0.044	0.010	4.3	20 (60)
1,1-Dichloropropene	0.249	0.254	0.050	-2.0	20 (40)
Benzene	0.718	0.763	0.200	-6.3	20 (40)
1,2-Dichloroethane	0.156	0.163	0.070	-4.5	20 (40)
Trichloroethene	0.178	0.179	* 0.200	-0.6	20 (40)
Dibromomethane	0.059	0.063	0.050	-6.8	20 (40)
1,2-dichloropropane	0.175	0.181	* 0.200	-3.4	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052

Instrument: CHEM02 Calibration Date: 02/13/24 Time: 17:58

Lab File Id: 0213_29.D Init. Calib. Date(s): 02/06/24 02/07/24

Heated Purge (Y/N): N Init. Calib. Times: 22:33 00:31

GC Column: RTX-VMS Method File: VT-P020624.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Bromodichloromethane	0.172	0.181	* 0.300	-5.2	20 (40)
cis-1,3-Dichloropropene	0.216	0.221	* 0.300	-2.3	20 (40)
Toluene	0.425	0.441	0.300	-3.8	20 (40)
4-Methyl-2-Pentanone	0.061	0.062	0.030	-1.6	20 (60)
Tetrachloroethene	0.131	0.126	0.100	3.8	20 (40)
trans-1,3-Dichloropropene	0.151	0.142	* 0.300	6.0	20 (40)
1,1,2-Trichloroethane	0.079	0.082	* 0.200	-3.8	20 (40)
Dibromochloromethane	0.099	0.107	* 0.200	-8.1	20 (40)
1,3-Dichloropropane	0.176	0.187	0.050	-6.3	20 (40)
1,2-Dibromoethane	0.086	0.094	* 0.200	-9.3	20 (40)
2-Hexanone	0.044	0.049	0.010	-11.4	20 (60)
Chlorobenzene	0.495	0.525	0.400	-6.1	20 (40)
Ethylbenzene	0.281	0.300	* 0.400	-6.8	20 (40)
1,1,1,2-Tetrachloroethane	0.118	0.123	0.050	-4.2	20 (40)
m&p-Xylene	0.350	0.379	0.200	-8.3	20 (40)
o-Xylene	0.325	0.358	0.200	-10.2	20 (40)
Styrene	0.509	0.548	0.200	-7.7	20 (40)
Bromoform	0.032	0.034	* 0.100	-6.3	20 (40)
Isopropylbenzene	0.392	0.464	0.400	-18.4	20 (40)
Bromobenzene	0.302	0.341	0.050	-12.9	20 (40)
n-Propylbenzene	0.424	0.481	0.050	-13.4	20 (40)
1,1,2,2-Tetrachloroethane	0.156	0.176	* 0.200	-12.8	20 (40)
2-Chlorotoluene	0.361	0.415	0.050	-15.0	20 (40)
1,3,5-Trimethylbenzene	1.299	1.488	0.050	-14.5	20 (40)
1,2,3-Trichloropropane	0.134	0.148	0.050	-10.4	20 (40)
trans-1,4-Dichloro-2-butene	0.038	0.029	* 0.050	23.7 +	20 (40)
4-Chlorotoluene	0.375	0.428	0.050	-14.1	20 (40)
tert-Butylbenzene	1.106	1.247	0.050	-12.7	20 (40)
1,2,4-Trimethylbenzene	1.330	1.520	0.050	-14.3	20 (40)
sec-Butylbenzene	1.737	1.904	0.050	-9.6	20 (40)
p-Isopropyltoluene	1.464	1.631	0.050	-11.4	20 (40)
1,3-Dichlorobenzene	0.682	0.749	0.500	-9.8	20 (40)
1,4-Dichlorobenzene	0.670	0.723	0.600	-7.9	20 (40)
2-Isopropyltoluene	1.390	1.527	0.050	-9.9	20 (40)
n-Butylbenzene	1.418	1.554	0.050	-9.6	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCQ06052
Instrument:	CHEM02		Calibration Date:	02/13/24	Time: 17:58
Lab File Id:	0213_29.D		Init. Calib. Date(s):	02/06/24	02/07/24
Heated Purge (Y/N):	N		Init. Calib. Times:	22:33	00:31
GC Column:	RTX-VMS		Method File:	VT-P020624.M	

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_29.D
 Acq On : 13 Feb 2024 5:58 pm
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP - VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:02 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 INT	Pentafluorobenzene	1.000	1.000	0.0	90
2 T	Dichlorodifluoromethane	0.357	0.355	0.6	
3 T	Chloromethane	0.429	0.397	7.5	
4 T	Vinyl Chloride	0.406	0.410	-1.0	
5 T	Bromomethane	0.154	0.155	-0.6	
6 T	Chloroethane	0.241	0.254	-5.4	
7 T	Trichlorofluoromethane	0.477	0.469	1.7	
9 T	1,1-Dichloroethene	0.264	0.272	-3.0	
10 T	Trichlorotrifluoroethane	0.193	0.183	5.2	
11 T	Carbon Disulfide	0.835	0.850	-1.8	
12 T	Acrolein	0.016	0.018	-12.5	
13 T	Methylene Chloride	0.281	0.287	-2.1	
14 T	Acetone	0.033	0.032	3.0	
15 T	Trans-1,2-Dichloroethene	0.288	0.310	-7.6	
17 T	Methyl t-Butyl Ether (MTBE)	0.419	0.433	-3.3	
19 T	1,1-Dichloroethane	0.588	0.636	-8.2	
20 T	Acrylonitrile	0.036	0.039	-8.3	
23 T	Cis-1,2-Dichloroethene	0.299	0.316	-5.7	
24 T	2,2-Dichloropropane	0.436	0.383	12.2	
25 T	Bromochloromethane	0.099	0.102	-3.0	
27 T	Chloroform	0.526	0.551	-4.8	
28 T	Carbon Tetrachloride	0.325	0.307	5.5	
29 T	Tetrahydrofuran (THF)	0.031	0.032	-3.2	
30 T	1,1,1-Trichloroethane	0.435	0.437	-0.5	
31 SURR	% Dibromofluoromethane	0.080	0.076	5.0	
32 T	Methyl Ethyl Ketone	0.046	0.044	4.3	
33 INT	1,4-Difluorobenzene	1.000	1.000	0.0	93
34 T	1,1-Dichloropropene	0.249	0.254	-2.0	
35 T	Benzene	0.718	0.763	-6.3	
37 T	1,2-Dichloroethane	0.156	0.163	-4.5	
39 T	Trichloroethene	0.178	0.179	-0.6	
40 T	Dibromomethane	0.059	0.063	-6.8	
41 T	1,2-dichloropropane	0.175	0.181	-3.4	
42 T	Bromodichloromethane	0.172	0.181	-5.2	
43 T	cis-1,3-Dichloropropene	0.216	0.221	-2.3	
44 T	Toluene	0.425	0.441	-3.8	
45 SURR	% Toluene-d8	1.247	1.222	2.0	
46 T	4-Methyl-2-Pentanone	0.061	0.062	-1.6	
47 T	Tetrachloroethene	0.131	0.126	3.8	
48 T	trans-1,3-Dichloropropene	0.151	0.142	6.0	
49 T	1,1,2-Trichloroethane	0.079	0.082	-3.8	
50 INT	Chlorobenzene-d5	1.000	1.000	0.0	89
51 T	Dibromochloromethane	0.099	0.107	-8.1	
52 T	1,3-Dichloropropane	0.176	0.187	-6.3	
53 T	1,2-Dibromoethane	0.086	0.094	-9.3	
54 T	2-Hexanone	0.044	0.049	-11.4	
55 T	Chlorobenzene	0.495	0.525	-6.1	
56 T	Ethylbenzene	0.281	0.300	-6.8	
57 T	1,1,1,2-Tetrachloroethane	0.118	0.123	-4.2	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_29.D
 Acq On : 13 Feb 2024 5:58 pm
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP - VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:02 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
58 T	m&p-Xylene	0.350	0.379	-8.3	
59 T	o-Xylene	0.325	0.358	-10.2	
60 T	Styrene	0.509	0.548	-7.7	
61 T	Bromoform	0.032	0.034	-6.3	
62 SURR	% Bromofluorobenzene	0.513	0.488	4.9	
63 INT	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78
64 SURR	% 1,2-dichlorobenzene-d4	0.850	0.847	0.4	
65 T	Isopropylbenzene	0.392	0.464	-18.4	
66 T	Bromobenzene	0.302	0.341	-12.9	
67 T	n-Propylbenzene	0.424	0.481	-13.4	
68 T	1,1,2,2-Tetrachloroethane	0.156	0.176	-12.8	
69 T	2-Chlorotoluene	0.361	0.415	-15.0	
70 T	1,3,5-Trimethylbenzene	1.299	1.488	-14.5	
71 T	1,2,3-Trichloropropane	0.134	0.148	-10.4	
72 T	trans-1,4-Dichloro-2-butene	0.038	0.029	23.7	
73 T	4-Chlorotoluene	0.375	0.428	-14.1	
74 T	tert-Butylbenzene	1.106	1.247	-12.7	
75 T	1,2,4-Trimethylbenzene	1.330	1.520	-14.3	
76 T	sec-Butylbenzene	1.737	1.904	-9.6	
77 T	p-Isopropyltoluene	1.464	1.631	-11.4	
78 T	1,3-Dichlorobenzene	0.682	0.749	-9.8	
79 T	1,4-Dichlorobenzene	0.670	0.723	-7.9	
81 T	2-Isopropyltoluene	1.390	1.527	-9.9	
82 T	n-Butylbenzene	1.418	1.554	-9.6	
83 T	1,2-Dichlorobenzene	0.573	0.621	-8.4	
84 T	1,2-Dibromo-3-Chloropropane	0.017	0.019	-11.8	
85 T	Hexachlorobutadiene	0.173	0.166	4.0	
86 T	1,2,4-Trichlorobenzene	0.325	0.352	-8.3	
87 T	Naphthalene	0.501	0.595	-18.8	
88 T	1,2,3-Trichlorobenzene	0.263	0.279	-6.1	
89 INT	1,4-Dioxane d8	1.000	1.000	0.0	87

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, gf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_29.D
 Acq On : 13 Feb 2024 5:58 pm
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP - VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:02 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	324747	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	550858	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	451399	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	243698	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.688	96	34233	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	24636	9.513	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.10%	
45) % Toluene-d8	5.132	98	673308	9.803	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.00%	
62) % Bromofluorobenzene	7.167	95	220220	9.501	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.00%	
64) % 1,2-dichlorobenzene-d4	8.155	152	206454	9.961	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.60%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	115357	9.955	ug/l	100
3) Chloromethane	1.267	50	129052	9.260	ug/l	98
4) Vinyl Chloride	1.309	62	133261	10.110	ug/l	96
5) Bromomethane	1.497	94	50286	10.039	ug/l	92
6) Chloroethane	1.570	64	82386	10.528	ug/l	97
7) Trichlorofluoromethane	1.654	101	152266	9.837	ug/l	99
9) 1,1-Dichloroethene	1.973	96	88442	10.335	ug/l	99
10) Trichlorotrifluoroethane	1.999	151	59375	9.453	ug/l	94
11) Carbon Disulfide	1.999	76	276165	10.181	ug/l	99
12) Acrolein	2.188	56	29592	58.510	ug/l	97
13) Methylene Chloride	2.350	84	93066	10.215	ug/l	91
14) Acetone	2.381	43	10270	9.637	ug/l	99
15) Trans-1,2-Dichloroethene	2.459	96	100577	10.751	ug/l	96
17) Methyl t-Butyl Ether (...)	2.533	73	140598	10.338	ug/l	100
19) 1,1-Dichloroethane	2.862	63	206516	10.817	ug/l	99
20) Acrylonitrile	2.888	53	12708	10.899	ug/l	94
23) Cis-1,2-Dichloroethene	3.218	96	102577	10.574	ug/l	97
24) 2,2-Dichloropropane	3.291	77	124262	8.785	ug/l	97
25) Bromochloromethane	3.349	128	33197	10.347	ug/l#	85
27) Chloroform	3.396	83	178828	10.471	ug/l	98
28) Carbon Tetrachloride	3.495	117	99847	9.460	ug/l	100
29) Tetrahydrofuran (THF)	3.511	42	25615	25.789	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	142060	10.056	ug/l	98
32) Methyl Ethyl Ketone	3.594	43	14430	9.575	ug/l	86
34) 1,1-Dichloropropene	3.621	75	139830	10.190	ug/l	96
35) Benzene	3.783	78	420327	10.634	ug/l	99
37) 1,2-Dichloroethane	3.913	62	89790	10.443	ug/l	97
39) Trichloroethene	4.175	130	98430	10.050	ug/l	95
40) Dibromomethane	4.452	93	34599	10.578	ug/l	97
41) 1,2-dichloropropane	4.520	63	99975	10.398	ug/l	96
42) Bromodichloromethane	4.562	83	99778	10.517	ug/l	100
43) cis-1,3-Dichloropropene	5.001	75	121513	10.208	ug/l	100
44) Toluene	5.169	92	242821	10.375	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	34223	10.178	ug/l	97
47) Tetrachloroethene	5.446	164	69384	9.586	ug/l	98
48) trans-1,3-Dichloropropene	5.456	75	78042	9.392	ug/l	96
49) 1,1,2-Trichloroethane	5.571	97	45273	10.452	ug/l	88

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_29.D
 Acq On : 13 Feb 2024 5:58 pm
 Operator :
 Client ID : CCAL 10 - BFB TUNE
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP - VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:02 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

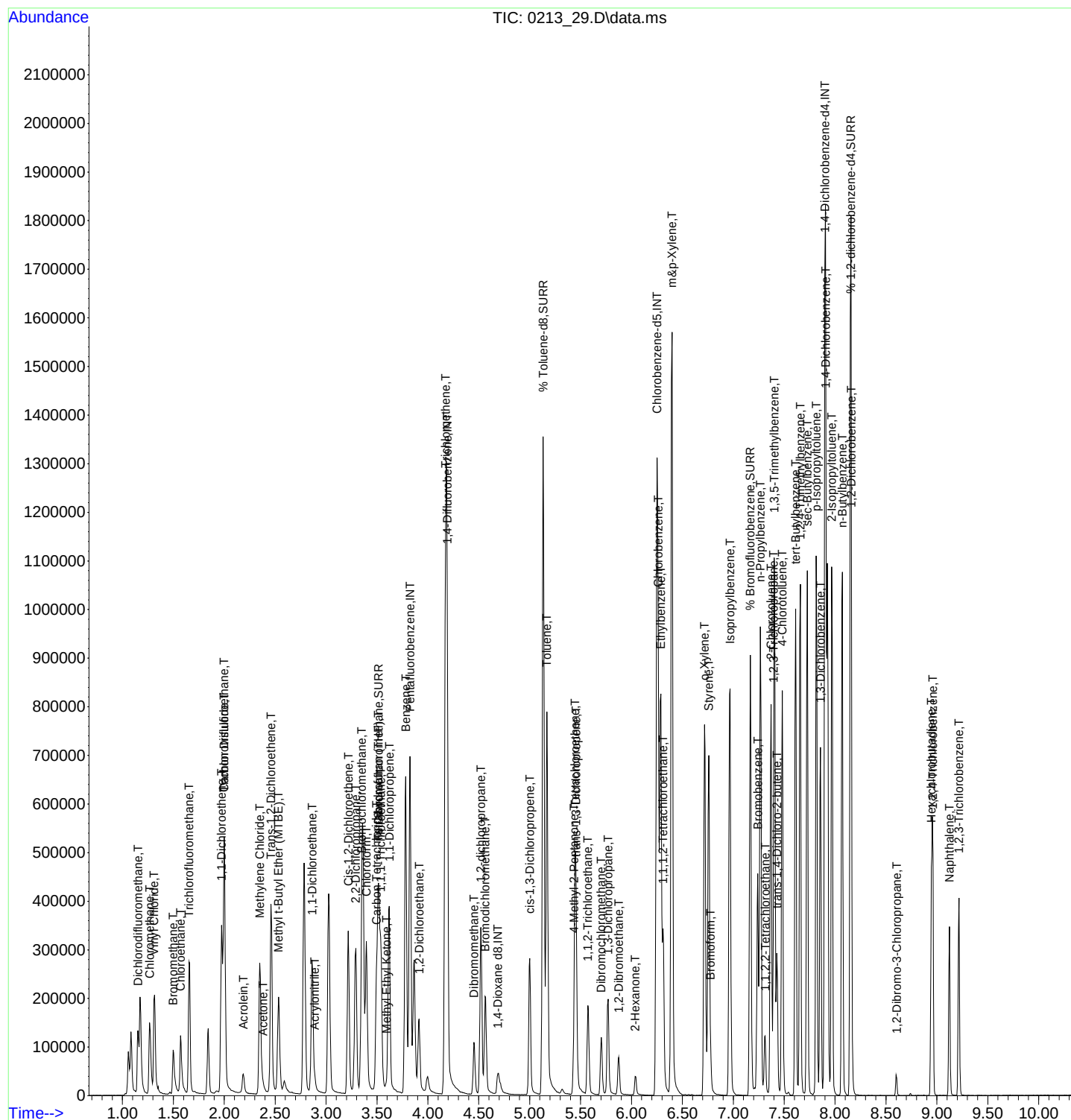
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	48252	10.783	ug/l	97
52) 1,3-Dichloropropane	5.770	76	84422	10.619	ug/l	98
53) 1,2-Dibromoethane	5.875	107	42228	10.821	ug/l	93
54) 2-Hexanone	6.037	43	22039	11.029	ug/l	96
55) Chlorobenzene	6.262	112	236852	10.596	ug/l	94
56) Ethylbenzene	6.288	106	135445	10.667	ug/l	94
57) 1,1,1,2-Tetrachloroethane	6.309	131	55405	10.360	ug/l	94
58) m&p-Xylene	6.398	106	341842	21.643	ug/l	99
59) o-Xylene	6.717	106	161515	11.018	ug/l	98
60) Styrene	6.759	104	247505	10.762	ug/l	98
61) Bromoform	6.774	173	15298	10.525	ug/l	99
65) Isopropylbenzene	6.968	120	113166	11.842	ug/l	94
66) Bromobenzene	7.240	156	83139	11.307	ug/l	88
67) n-Propylbenzene	7.266	120	117300	11.359	ug/l#	84
68) 1,1,2,2-Tetrachloroethane	7.313	83	42931	11.284	ug/l	98
69) 2-Chlorotoluene	7.371	126	101135	11.495	ug/l	85
70) 1,3,5-Trimethylbenzene	7.402	105	362709	11.459	ug/l	99
71) 1,2,3-Trichloropropane	7.397	75	36026	11.057	ug/l	82
72) trans-1,4-Dichloro-2-b...	7.428	75	34981	37.456	ug/l	88
73) 4-Chlorotoluene	7.481	126	104343	11.413	ug/l	95
74) tert-Butylbenzene	7.611	119	303772	11.274	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	370403	11.428	ug/l	98
76) sec-Butylbenzene	7.726	105	463968	10.964	ug/l	96
77) p-Isopropyltoluene	7.815	119	397494	11.145	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	182509	10.975	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	176257	10.791	ug/l	99
81) 2-Isopropyltoluene	7.967	119	372049	10.987	ug/l	99
82) n-Butylbenzene	8.072	91	378610	10.960	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	151245	10.836	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.605	155	4726	11.428	ug/l#	72
85) Hexachlorobutadiene	8.945	225	40503	9.598	ug/l	98
86) 1,2,4-Trichlorobenzene	8.961	180	85727	10.809	ug/l	96
87) Naphthalene	9.123	128	144999	11.873	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	68075	10.616	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\021324\
Data File : 0213_29.D
Acq On : 13 Feb 2024 5:58 pm
Operator :
Client ID : CCAL 10 - BFB TUNE
Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP - VOA 10 PPB STD. VOA140 IV 02/13 JP
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:02 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed Feb 07 06:01:21 2024
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052

Instrument: CHEM02 Calibration Date: 02/14/24 Time: 05:08

Lab File Id: 0213_57.D Init. Calib. Date(s): 02/06/24 02/07/24

Heated Purge (Y/N): N Init. Calib. Times: 22:33 00:31

GC Column: RTX-VMS Method File: VT-P020624.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	0.357	0.334	0.010	6.4	50
Chloromethane	0.429	0.360	0.010	16.1	50
Vinyl Chloride	0.406	0.384	0.010	5.4	50
Bromomethane	0.154	0.130	0.010	15.6	50
Chloroethane	0.241	0.237	0.010	1.7	50
Trichlorofluoromethane	0.477	0.437	0.010	8.4	50
1,1-Dichloroethene	0.264	0.258	0.010	2.3	50
Trichlorotrifluoroethane	0.193	0.171	0.010	11.4	50
Carbon Disulfide	0.835	0.793	0.010	5.0	50
Acrolein	0.016	0.015	0.010	6.3	50
Methylene Chloride	0.281	0.265	0.010	5.7	50
Acetone	0.033	0.029	0.010	12.1	50
Trans-1,2-Dichloroethene	0.288	0.291	0.010	-1.0	50
Methyl t-Butyl Ether (MTBE)	0.419	0.398	0.010	5.0	50
1,1-Dichloroethane	0.588	0.595	0.010	-1.2	50
Acrylonitrile	0.036	0.035	0.010	2.8	50
Cis-1,2-Dichloroethene	0.299	0.303	0.010	-1.3	50
2,2-Dichloropropane	0.436	0.290	0.010	33.5	50
Bromochloromethane	0.099	0.098	0.010	1.0	50
Chloroform	0.526	0.518	0.010	1.5	50
Carbon Tetrachloride	0.325	0.305	0.010	6.2	50
Tetrahydrofuran (THF)	0.031	0.028	0.010	9.7	50
1,1,1-Trichloroethane	0.435	0.413	0.010	5.1	50
Methyl Ethyl Ketone	0.046	0.039	0.010	15.2	50
1,1-Dichloropropene	0.249	0.241	0.010	3.2	50
Benzene	0.718	0.711	0.010	1.0	50
1,2-Dichloroethane	0.156	0.149	0.010	4.5	50
Trichloroethene	0.178	0.171	0.010	3.9	50
Dibromomethane	0.059	0.056	0.010	5.1	50
1,2-dichloropropane	0.175	0.169	0.010	3.4	50
Bromodichloromethane	0.172	0.172	0.010	0.0	50
cis-1,3-Dichloropropene	0.216	0.198	0.010	8.3	50
Toluene	0.425	0.416	0.010	2.1	50
4-Methyl-2-Pentanone	0.061	0.055	0.010	9.8	50
Tetrachloroethene	0.131	0.117	0.010	10.7	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCQ06052

Instrument: CHEM02 Calibration Date: 02/14/24 Time: 05:08

Lab File Id: 0213_57.D Init. Calib. Date(s): 02/06/24 02/07/24

Heated Purge (Y/N): N Init. Calib. Times: 22:33 00:31

GC Column: RTX-VMS Method File: VT-P020624.M

COMPOUND	RRF	RRF10	RRF MIN	%D	% D LIMITS
trans-1,3-Dichloropropene	0.151	0.127	0.010	15.9	50
1,1,2-Trichloroethane	0.079	0.076	0.010	3.8	50
Dibromochloromethane	0.099	0.098	0.010	1.0	50
1,3-Dichloropropane	0.176	0.168	0.010	4.5	50
1,2-Dibromoethane	0.086	0.084	0.010	2.3	50
2-Hexanone	0.044	0.042	0.010	4.5	50
Chlorobenzene	0.495	0.492	0.010	0.6	50
Ethylbenzene	0.281	0.283	0.010	-0.7	50
1,1,1,2-Tetrachloroethane	0.118	0.122	0.010	-3.4	50
m&p-Xylene	0.350	0.352	0.010	-0.6	50
o-Xylene	0.325	0.335	0.010	-3.1	50
Styrene	0.509	0.513	0.010	-0.8	50
Bromoform	0.032	0.035	0.010	-9.4	50
Isopropylbenzene	0.392	0.443	0.010	-13.0	50
Bromobenzene	0.302	0.321	0.010	-6.3	50
n-Propylbenzene	0.424	0.454	0.010	-7.1	50
1,1,2,2-Tetrachloroethane	0.156	0.167	0.010	-7.1	50
2-Chlorotoluene	0.361	0.392	0.010	-8.6	50
1,3,5-Trimethylbenzene	1.299	1.403	0.010	-8.0	50
1,2,3-Trichloropropane	0.134	0.136	0.010	-1.5	50
trans-1,4-Dichloro-2-butene	0.038	0.029	0.010	23.7	50
4-Chlorotoluene	0.375	0.400	0.010	-6.7	50
tert-Butylbenzene	1.106	1.194	0.010	-8.0	50
1,2,4-Trimethylbenzene	1.330	1.434	0.010	-7.8	50
sec-Butylbenzene	1.737	1.797	0.010	-3.5	50
p-Isopropyltoluene	1.464	1.529	0.010	-4.4	50
1,3-Dichlorobenzene	0.682	0.697	0.010	-2.2	50
1,4-Dichlorobenzene	0.670	0.668	0.010	0.3	50
2-Isopropyltoluene	1.390	1.453	0.010	-4.5	50
n-Butylbenzene	1.418	1.440	0.010	-1.6	50
1,2-Dichlorobenzene	0.573	0.583	0.010	-1.7	50
1,2-Dibromo-3-Chloropropane	0.017	0.020	0.010	-17.6	50
Hexachlorobutadiene	0.173	0.152	0.010	12.1	50
1,2,4-Trichlorobenzene	0.325	0.319	0.010	1.8	50
Naphthalene	0.501	0.540	0.010	-7.8	50

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(*) Recommended RRF not met. (#) Maximum %D not met.

7B

Lab Name:	Phoenix Environmental Labs		Client:	PREFRDNY	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCQ06052
Instrument:	CHEM02		Calibration Date:	02/14/24	Time: 05:08
Lab File Id:	0213_57.D		Init. Calib. Date(s):	02/06/24	02/07/24
Heated Purge (Y/N):	N		Init. Calib. Times:	22:33	00:31
GC Column:	RTX-VMS		Method File: VT-P020624.M		

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(*) Recommended RRF not met. (#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_57.D
 Acq On : 14 Feb 2024 5:08 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:44:43 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
1 INT	Pentafluorobenzene	1.000	1.000	0.0	97
2 T	Dichlorodifluoromethane	0.357	0.334	6.4	
3 T	Chloromethane	0.429	0.360	16.1	
4 T	Vinyl Chloride	0.406	0.384	5.4	
5 T	Bromomethane	0.154	0.130	15.6	
6 T	Chloroethane	0.241	0.237	1.7	
7 T	Trichlorofluoromethane	0.477	0.437	8.4	
9 T	1,1-Dichloroethene	0.264	0.258	2.3	
10 T	Trichlorotrifluoroethane	0.193	0.171	11.4	
11 T	Carbon Disulfide	0.835	0.793	5.0	
12 T	Acrolein	0.016	0.015	6.3	
13 T	Methylene Chloride	0.281	0.265	5.7	
14 T	Acetone	0.033	0.029	12.1	
15 T	Trans-1,2-Dichloroethene	0.288	0.291	-1.0	
17 T	Methyl t-Butyl Ether (MTBE)	0.419	0.398	5.0	
19 T	1,1-Dichloroethane	0.588	0.595	-1.2	
20 T	Acrylonitrile	0.036	0.035	2.8	
23 T	Cis-1,2-Dichloroethene	0.299	0.303	-1.3	
24 T	2,2-Dichloropropane	0.436	0.290	33.5#	
25 T	Bromochloromethane	0.099	0.098	1.0	
27 T	Chloroform	0.526	0.518	1.5	
28 T	Carbon Tetrachloride	0.325	0.305	6.2	
29 T	Tetrahydrofuran (THF)	0.031	0.028	9.7	
30 T	1,1,1-Trichloroethane	0.435	0.413	5.1	
31 SURR	% Dibromofluoromethane	0.080	0.074	7.5	
32 T	Methyl Ethyl Ketone	0.046	0.039	15.2	
33 INT	1,4-Difluorobenzene	1.000	1.000	0.0	100
34 T	1,1-Dichloropropene	0.249	0.241	3.2	
35 T	Benzene	0.718	0.711	1.0	
37 T	1,2-Dichloroethane	0.156	0.149	4.5	
39 T	Trichloroethene	0.178	0.171	3.9	
40 T	Dibromomethane	0.059	0.056	5.1	
41 T	1,2-dichloropropane	0.175	0.169	3.4	
42 T	Bromodichloromethane	0.172	0.172	0.0	
43 T	cis-1,3-Dichloropropene	0.216	0.198	8.3	
44 T	Toluene	0.425	0.416	2.1	
45 SURR	% Toluene-d8	1.247	1.223	1.9	
46 T	4-Methyl-2-Pentanone	0.061	0.055	9.8	
47 T	Tetrachloroethene	0.131	0.117	10.7	
48 T	trans-1,3-Dichloropropene	0.151	0.127	15.9	
49 T	1,1,2-Trichloroethane	0.079	0.076	3.8	
50 INT	Chlorobenzene-d5	1.000	1.000	0.0	99
51 T	Dibromochloromethane	0.099	0.098	1.0	
52 T	1,3-Dichloropropane	0.176	0.168	4.5	
53 T	1,2-Dibromoethane	0.086	0.084	2.3	
54 T	2-Hexanone	0.044	0.042	4.5	
55 T	Chlorobenzene	0.495	0.492	0.6	
56 T	Ethylbenzene	0.281	0.283	-0.7	
57 T	1,1,1,2-Tetrachloroethane	0.118	0.122	-3.4	

Evaluate Continuing Calibration Report

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_57.D
 Acq On : 14 Feb 2024 5:08 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:44:43 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Note: Curves (l, lf, q, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	

58 T	m&p-Xylene	0.350	0.352	-0.6	
59 T	o-Xylene	0.325	0.335	-3.1	
60 T	Styrene	0.509	0.513	-0.8	
61 T	Bromoform	0.032	0.035	-9.4	
62 SURR	% Bromofluorobenzene	0.513	0.486	5.3	
63 INT	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86
64 SURR	% 1,2-dichlorobenzene-d4	0.850	0.834	1.9	
65 T	Isopropylbenzene	0.392	0.443	-13.0	
66 T	Bromobenzene	0.302	0.321	-6.3	
67 T	n-Propylbenzene	0.424	0.454	-7.1	
68 T	1,1,2,2-Tetrachloroethane	0.156	0.167	-7.1	
69 T	2-Chlorotoluene	0.361	0.392	-8.6	
70 T	1,3,5-Trimethylbenzene	1.299	1.403	-8.0	
71 T	1,2,3-Trichloropropane	0.134	0.136	-1.5	
72 T	trans-1,4-Dichloro-2-butene	0.038	0.029	23.7	
73 T	4-Chlorotoluene	0.375	0.400	-6.7	
74 T	tert-Butylbenzene	1.106	1.194	-8.0	
75 T	1,2,4-Trimethylbenzene	1.330	1.434	-7.8	
76 T	sec-Butylbenzene	1.737	1.797	-3.5	
77 T	p-Isopropyltoluene	1.464	1.529	-4.4	
78 T	1,3-Dichlorobenzene	0.682	0.697	-2.2	
79 T	1,4-Dichlorobenzene	0.670	0.668	0.3	
81 T	2-Isopropyltoluene	1.390	1.453	-4.5	
82 T	n-Butylbenzene	1.418	1.440	-1.6	
83 T	1,2-Dichlorobenzene	0.573	0.583	-1.7	
84 T	1,2-Dibromo-3-Chloropropane	0.017	0.020	-17.6	
85 T	Hexachlorobutadiene	0.173	0.152	12.1	
86 T	1,2,4-Trichlorobenzene	0.325	0.319	1.8	
87 T	Naphthalene	0.501	0.540	-7.8	
88 T	1,2,3-Trichlorobenzene	0.263	0.251	4.6	
89 INT	1,4-Dioxane d8	1.000	1.000	0.0	90

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, gf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_57.D
 Acq On : 14 Feb 2024 5:08 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:44:43 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	349006	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	591279	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	500264	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	268000	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	35346	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	25670	9.224	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	92.20%	
45) % Toluene-d8	5.132	98	722863	9.805	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.10%	
62) % Bromofluorobenzene	7.166	95	243098	9.464	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.60%	
64) % 1,2-dichlorobenzene-d4	8.155	152	223503	9.806	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.10%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.146	85	116632	9.366	ug/l	99
3) Chloromethane	1.267	50	125668	8.390	ug/l	100
4) Vinyl Chloride	1.309	62	133961	9.457	ug/l	97
5) Bromomethane	1.497	94	45352	8.424	ug/l	100
6) Chloroethane	1.570	64	82803	9.846	ug/l	94
7) Trichlorofluoromethane	1.654	101	152631	9.175	ug/l	99
9) 1,1-Dichloroethene	1.973	96	90041	9.791	ug/l	99
10) Trichlorotrifluoroethane	1.994	151	59815	8.861	ug/l	93
11) Carbon Disulfide	1.999	76	276741	9.493	ug/l	99
12) Acrolein	2.182	56	26900	49.490	ug/l	93
13) Methylene Chloride	2.349	84	92603	9.458	ug/l	91
14) Acetone	2.381	43	10203	8.909	ug/l	93
15) Trans-1,2-Dichloroethene	2.459	96	101532	10.098	ug/l	96
17) Methyl t-Butyl Ether (...)	2.532	73	139058	9.514	ug/l	100
19) 1,1-Dichloroethane	2.862	63	207804	10.128	ug/l	98
20) Acrylonitrile	2.888	53	12389	9.886	ug/l	97
23) Cis-1,2-Dichloroethene	3.218	96	105716	10.140	ug/l	97
24) 2,2-Dichloropropane	3.291	77	101324	6.666	ug/l	98
25) Bromochloromethane	3.348	128	34093	9.888	ug/l	90
27) Chloroform	3.395	83	180904	9.856	ug/l	98
28) Carbon Tetrachloride	3.495	117	106428	9.383	ug/l	100
29) Tetrahydrofuran (THF)	3.510	42	24014	22.497	ug/l	99
30) 1,1,1-Trichloroethane	3.537	97	144268	9.502	ug/l	97
32) Methyl Ethyl Ketone	3.599	43	13658	8.433	ug/l	87
34) 1,1-Dichloropropene	3.615	75	142546	9.677	ug/l	97
35) Benzene	3.782	78	420459	9.910	ug/l	100
37) 1,2-Dichloroethane	3.913	62	88306	9.569	ug/l	97
39) Trichloroethene	4.175	130	101106	9.618	ug/l	95
40) Dibromomethane	4.452	93	33215	9.460	ug/l	100
41) 1,2-dichloropropane	4.520	63	100072	9.697	ug/l	97
42) Bromodichloromethane	4.562	83	101502	9.967	ug/l	98
43) cis-1,3-Dichloropropene	5.001	75	116895	9.149	ug/l	99
44) Toluene	5.168	92	246261	9.802	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	32384	8.973	ug/l	98
47) Tetrachloroethene	5.446	164	69430	8.937	ug/l	98
48) trans-1,3-Dichloropropene	5.456	75	74983	8.407	ug/l	96
49) 1,1,2-Trichloroethane	5.571	97	44887	9.654	ug/l	92

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_57.D
 Acq On : 14 Feb 2024 5:08 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:44:43 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

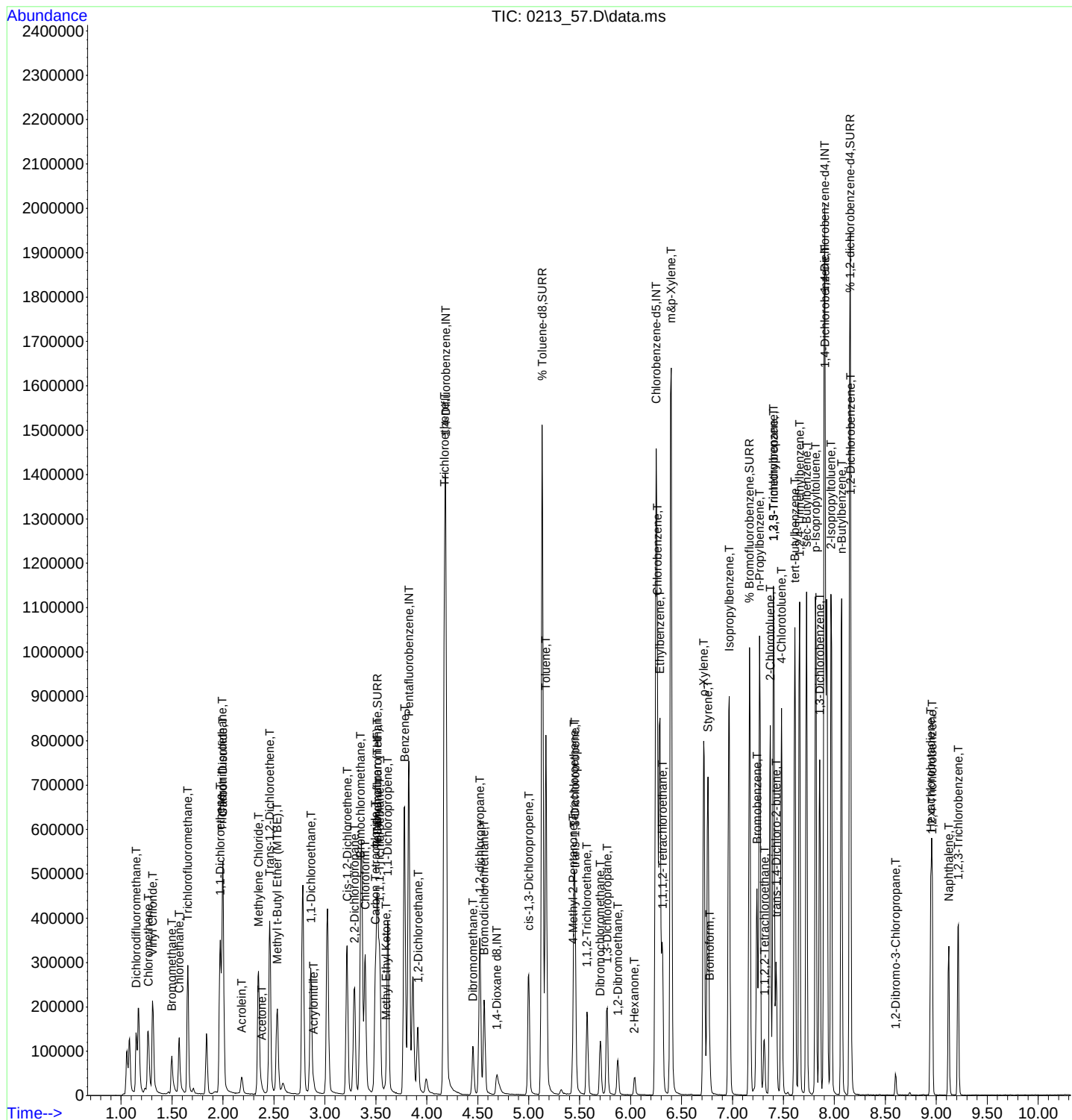
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	48964	9.873	ug/l	96
52) 1,3-Dichloropropane	5.770	76	84005	9.535	ug/l	97
53) 1,2-Dibromoethane	5.875	107	41796	9.664	ug/l	98
54) 2-Hexanone	6.037	43	21220	9.582	ug/l	97
55) Chlorobenzene	6.262	112	246341	9.944	ug/l	96
56) Ethylbenzene	6.288	106	141759	10.073	ug/l	97
57) 1,1,1,2-Tetrachloroethane	6.314	131	61133	10.314	ug/l	96
58) m&p-Xylene	6.398	106	351835	20.100	ug/l	98
59) o-Xylene	6.717	106	167404	10.304	ug/l	97
60) Styrene	6.758	104	256467	10.062	ug/l	100
61) Bromoform	6.774	173	17488	10.857	ug/l	96
65) Isopropylbenzene	6.968	120	118745	11.299	ug/l	95
66) Bromobenzene	7.240	156	86127	10.651	ug/l	88
67) n-Propylbenzene	7.266	120	121606	10.708	ug/l#	83
68) 1,1,2,2-Tetrachloroethane	7.313	83	44885	10.728	ug/l	97
69) 2-Chlorotoluene	7.370	126	105057	10.858	ug/l#	83
70) 1,3,5-Trimethylbenzene	7.402	105	375873	10.798	ug/l	99
71) 1,2,3-Trichloropropane	7.402	75	36475	10.180	ug/l	84
72) trans-1,4-Dichloro-2-b...	7.428	75	38801	37.779	ug/l	96
73) 4-Chlorotoluene	7.480	126	107134	10.656	ug/l	93
74) tert-Butylbenzene	7.611	119	320071	10.801	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	384285	10.781	ug/l	98
76) sec-Butylbenzene	7.726	105	481513	10.347	ug/l	96
77) p-Isopropyltoluene	7.815	119	409735	10.447	ug/l	100
78) 1,3-Dichlorobenzene	7.857	146	186733	10.211	ug/l	98
79) 1,4-Dichlorobenzene	7.909	146	179043	9.968	ug/l	98
81) 2-Isopropyltoluene	7.967	119	389491	10.459	ug/l	99
82) n-Butylbenzene	8.071	91	386016	10.161	ug/l	96
83) 1,2-Dichlorobenzene	8.160	146	156137	10.172	ug/l	98
84) 1,2-Dibromo-3-Chloropr...	8.600	155	5357	11.779	ug/l	85
85) Hexachlorobutadiene	8.945	225	40602	8.749	ug/l	99
86) 1,2,4-Trichlorobenzene	8.960	180	85425	9.794	ug/l	96
87) Naphthalene	9.123	128	144804	10.782	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	67362	9.553	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_57.D
 Acq On : 14 Feb 2024 5:08 am
 Operator :
 Client ID : CCAL 10
 Lab ID : VOA 10 PPB STD. VOA140 IV 02/13 JP
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:44:43 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CQ06047 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCQ06052 Lab Sample ID: CQ06047 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0213_30.D

Level: (low/med/meth): Med Date Received: 02/12/24

% Moisture: n.a. Date Analyzed: 02/13/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	8.9		0.25	0.25	r
74-87-3	Chloromethane	8.6		0.25	0.25	r
75-01-4	Vinyl Chloride	9.5		0.25	0.25	r
74-83-9	Bromomethane	10		0.25	0.25	r
75-00-3	Chloroethane	10		0.25	0.25	r
75-69-4	Trichlorofluoromethane	9.5		0.25	0.25	r
75-35-4	1,1-Dichloroethene	9.5		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	9.1		0.25	0.25	r
75-15-0	Carbon Disulfide	9.5		0.25	0.25	r
107-02-8	Acrolein	61		2.5	2.5	r
75-09-2	Methylene Chloride	9.3		1.0	1.0	r
67-64-1	Acetone	8.8		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	9.8		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	9.2		0.25	0.25	r
75-34-3	1,1-Dichloroethane	9.8		0.25	0.25	r
107-13-1	Acrylonitrile	9.8		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	10		0.25	0.25	r
594-20-7	2,2-Dichloropropane	8.2		0.25	0.25	r
74-97-5	Bromochloromethane	9.8		0.25	0.25	r
67-66-3	Chloroform	9.9		0.25	0.25	r
56-23-5	Carbon Tetrachloride	8.9		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	23		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	9.2		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	8.6		2.5	2.5	r
563-58-6	1,1-Dichloropropene	9.4		0.25	0.25	r
71-43-2	Benzene	9.8		0.25	0.25	r
107-06-2	1,2-Dichloroethane	9.3		0.50	0.50	r
79-01-6	Trichloroethene	9.4		0.25	0.25	r
74-95-3	Dibromomethane	9.7		0.25	0.25	r
78-87-5	1,2-dichloropropane	9.7		0.25	0.25	r
75-27-4	Bromodichloromethane	9.5		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	9.3		0.25	0.25	r
108-88-3	Toluene	9.6		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	9.1		2.5	2.5	r
127-18-4	Tetrachloroethene	8.9		0.25	0.25	r
10061-02-6	trans-1,3-Dichloropropene	8.6		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CQ06047 LCS

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCQ06052 Lab Sample ID: CQ06047 LCS

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0213_30.D

Level: (low/med/meth): Med Date Received: 02/12/24

% Moisture: n.a. Date Analyzed: 02/13/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	9.5		0.25	0.25	r
124-48-1	Dibromochloromethane	9.9		0.25	0.25	r
142-28-9	1,3-Dichloropropane	9.8		0.25	0.25	r
106-93-4	1,2-Dibromoethane	9.7		0.25	0.25	r
591-78-6	2-Hexanone	9.7		2.5	2.5	r
108-90-7	Chlorobenzene	9.8		0.25	0.25	r
100-41-4	Ethylbenzene	10		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	9.9		0.25	0.25	r
179601-23-1	m&p-Xylene	20		0.25	0.25	r
95-47-6	o-Xylene	10		0.25	0.25	r
100-42-5	Styrene	10		0.25	0.25	r
75-25-2	Bromoform	9.6		0.25	0.25	r
98-82-8	Isopropylbenzene	11		0.25	0.25	r
108-86-1	Bromobenzene	10		0.25	0.25	r
103-65-1	n-Propylbenzene	11		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	11		0.25	0.25	r
95-49-8	2-Chlorotoluene	10		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	10		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	10		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	31		2.5	2.5	r
106-43-4	4-Chlorotoluene	10		0.25	0.25	r
98-06-6	tert-Butylbenzene	10		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	11		0.25	0.25	r
135-98-8	sec-Butylbenzene	10		0.25	0.25	r
99-87-6	p-Isopropyltoluene	10		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	10		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	10		0.25	0.25	r
527-84-4	2-Isopropyltoluene	10		0.25	0.25	r
104-51-8	n-Butylbenzene	10		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	9.9		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	11		0.50	0.50	r
87-68-3	Hexachlorobutadiene	9.1		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	9.9		0.25	0.25	r
91-20-3	Naphthalene	11		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	9.5		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_30.D
 Acq On : 13 Feb 2024 6:22 pm
 Operator :
 Client ID : CQ06047 LCS
 Lab ID : CQ06047 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:05 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.824	168	348649	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.191	114	595255	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	490688	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.904	152	269302	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	33274	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	26136	9.401	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.00%	
45) % Toluene-d8	5.132	98	722612	9.736	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.40%	
62) % Bromofluorobenzene	7.167	95	240935	9.562	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.60%	
64) % 1,2-dichlorobenzene-d4	8.155	152	224815	9.816	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.20%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.152	85	110844	8.910	ug/l	99
3) Chloromethane	1.267	50	128741	8.604	ug/l	100
4) Vinyl Chloride	1.309	62	134133	9.479	ug/l	97
5) Bromomethane	1.497	94	56240	10.458	ug/l	100
6) Chloroethane	1.570	64	83854	9.981	ug/l	96
7) Trichlorofluoromethane	1.654	101	157811	9.497	ug/l	99
9) 1,1-Dichloroethene	1.973	96	87221	9.494	ug/l	99
10) Trichlorotrifluoroethane	1.999	151	61184	9.073	ug/l	92
11) Carbon Disulfide	1.999	76	278037	9.547	ug/l	99
12) Acrolein	2.187	56	32901	60.593	ug/l	98
13) Methylene Chloride	2.349	84	91300	9.334	ug/l	91
14) Acetone	2.381	43	10080	8.810	ug/l	99
15) Trans-1,2-Dichloroethene	2.459	96	97931	9.750	ug/l	96
17) Methyl t-Butyl Ether (...)	2.533	73	134365	9.203	ug/l	99
19) 1,1-Dichloroethane	2.862	63	200542	9.784	ug/l	98
20) Acrylonitrile	2.888	53	12220	9.762	ug/l	97
23) Cis-1,2-Dichloroethene	3.218	96	103875	9.974	ug/l	96
24) 2,2-Dichloropropane	3.291	77	124248	8.182	ug/l	97
25) Bromochloromethane	3.348	128	33805	9.815	ug/l	88
27) Chloroform	3.396	83	181270	9.886	ug/l	97
28) Carbon Tetrachloride	3.495	117	101361	8.945	ug/l	100
29) Tetrahydrofuran (THF)	3.511	42	24846	23.300	ug/l	98
30) 1,1,1-Trichloroethane	3.537	97	139068	9.169	ug/l	97
32) Methyl Ethyl Ketone	3.599	43	13860	8.566	ug/l	86
34) 1,1-Dichloropropene	3.620	75	139102	9.381	ug/l	98
35) Benzene	3.783	78	418931	9.808	ug/l	100
37) 1,2-Dichloroethane	3.913	62	86270	9.286	ug/l	97
39) Trichloroethene	4.175	130	98965	9.351	ug/l	93
40) Dibromomethane	4.452	93	34224	9.683	ug/l	99
41) 1,2-dichloropropane	4.520	63	100573	9.680	ug/l	96
42) Bromodichloromethane	4.562	83	97892	9.549	ug/l	98
43) cis-1,3-Dichloropropene	5.001	75	119901	9.321	ug/l	99
44) Toluene	5.169	92	243485	9.627	ug/l	99
46) 4-Methyl-2-Pentanone	5.435	43	33178	9.132	ug/l	97
47) Tetrachloroethene	5.446	164	69912	8.939	ug/l	99
48) trans-1,3-Dichloropropene	5.461	75	77531	8.635	ug/l	97
49) 1,1,2-Trichloroethane	5.571	97	44574	9.523	ug/l	88

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_30.D
 Acq On : 13 Feb 2024 6:22 pm
 Operator :
 Client ID : CQ06047 LCS
 Lab ID : CQ06047 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:05 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	47929	9.853	ug/l	98
52) 1,3-Dichloropropane	5.770	76	84659	9.796	ug/l	97
53) 1,2-Dibromoethane	5.875	107	41280	9.731	ug/l	98
54) 2-Hexanone	6.042	43	21087	9.708	ug/l	98
55) Chlorobenzene	6.262	112	238584	9.818	ug/l	96
56) Ethylbenzene	6.288	106	137645	9.972	ug/l	100
57) 1,1,1,2-Tetrachloroethane	6.309	131	57570	9.902	ug/l	94
58) m&p-Xylene	6.398	106	342412	19.943	ug/l	99
59) o-Xylene	6.717	106	161250	10.119	ug/l	95
60) Styrene	6.759	104	251381	10.055	ug/l	100
61) Bromoform	6.774	173	15226	9.637	ug/l	98
65) Isopropylbenzene	6.968	120	115157	10.904	ug/l	95
66) Bromobenzene	7.240	156	83798	10.313	ug/l	89
67) n-Propylbenzene	7.266	120	121327	10.632	ug/l#	86
68) 1,1,2,2-Tetrachloroethane	7.308	83	44593	10.607	ug/l	97
69) 2-Chlorotoluene	7.370	126	100953	10.384	ug/l#	80
70) 1,3,5-Trimethylbenzene	7.402	105	366367	10.474	ug/l	100
71) 1,2,3-Trichloropropane	7.397	75	37776	10.492	ug/l#	79
72) trans-1,4-Dichloro-2-b...	7.428	75	32108	31.111	ug/l	86
73) 4-Chlorotoluene	7.480	126	105981	10.490	ug/l	95
74) tert-Butylbenzene	7.611	119	311890	10.474	ug/l	97
75) 1,2,4-Trimethylbenzene	7.658	105	377034	10.527	ug/l	99
76) sec-Butylbenzene	7.726	105	476966	10.199	ug/l	96
77) p-Isopropyltoluene	7.815	119	409563	10.392	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	185338	10.086	ug/l	99
79) 1,4-Dichlorobenzene	7.909	146	179941	9.969	ug/l	99
81) 2-Isopropyltoluene	7.967	119	392495	10.488	ug/l	99
82) n-Butylbenzene	8.071	91	390840	10.238	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	152607	9.894	ug/l	100
84) 1,2-Dibromo-3-Chloropr...	8.600	155	5040	11.028	ug/l#	77
85) Hexachlorobutadiene	8.945	225	42545	9.123	ug/l	99
86) 1,2,4-Trichlorobenzene	8.960	180	86907	9.916	ug/l	96
87) Naphthalene	9.123	128	145732	10.798	ug/l	98
88) 1,2,3-Trichlorobenzene	9.217	180	67566	9.535	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

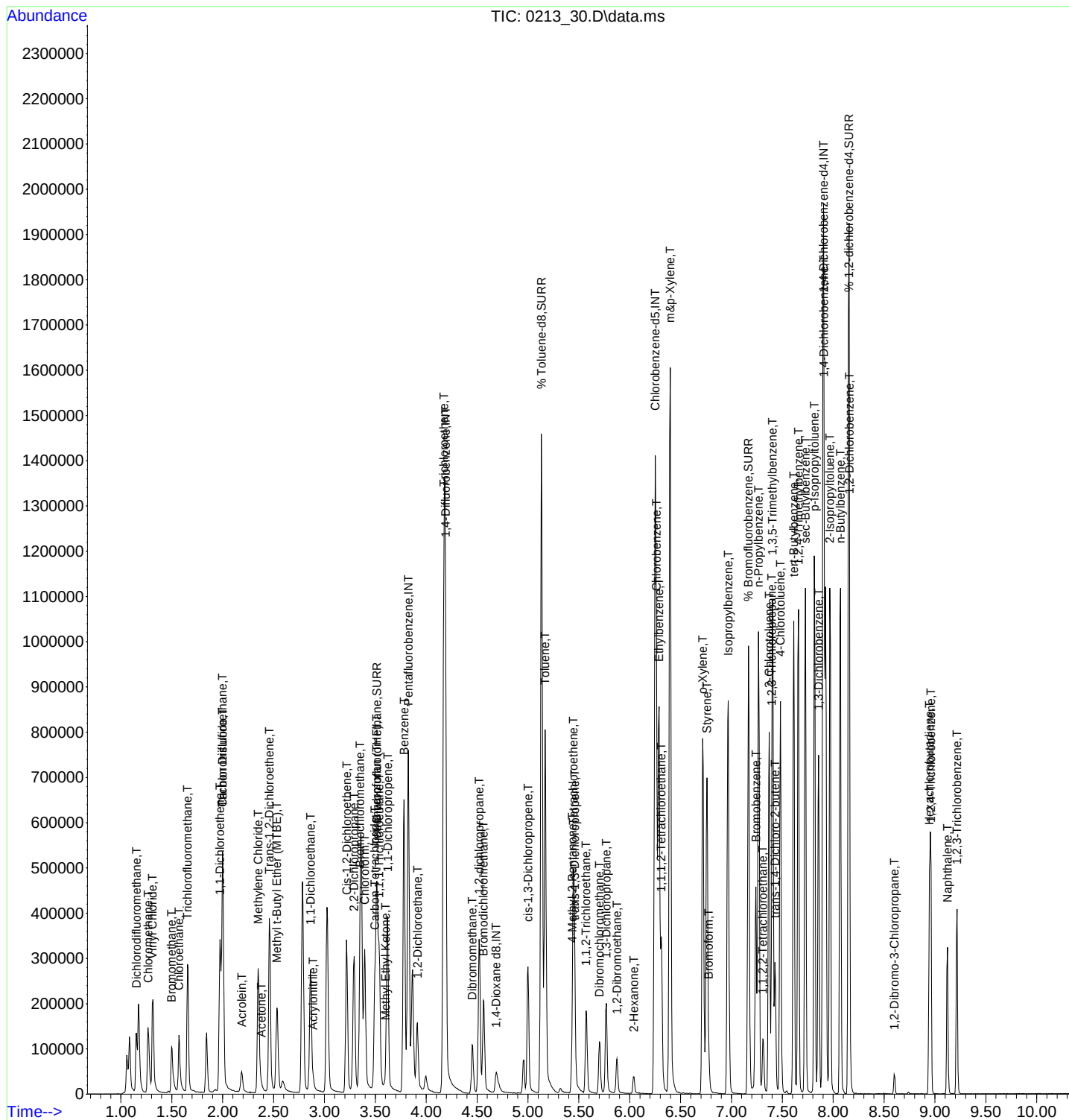
(QT Reviewed)

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Data Path   : H:\V2024\CHEM02\02FEB\021324\
Data File   : 0213_30.D
Acq On      : 13 Feb 2024    6:22 pm
Operator    :
Client ID    : C006047 LCS
Lab ID      : C006047 LCS
ALS Vial    : 1 Sample Multiplier: 1

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Quant Time: Feb 14 12:43:05 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Feb 07 06:01:21 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CQ06047 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCQ06052 Lab Sample ID: CQ06047 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0213_31.D

Level: (low/med/meth): Med Date Received: 02/12/24

% Moisture: n.a. Date Analyzed: 02/13/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	9.6		0.25	0.25	r
74-87-3	Chloromethane	9.3		0.25	0.25	r
75-01-4	Vinyl Chloride	10		0.25	0.25	r
74-83-9	Bromomethane	12		0.25	0.25	r
75-00-3	Chloroethane	11		0.25	0.25	r
75-69-4	Trichlorofluoromethane	10		0.25	0.25	r
75-35-4	1,1-Dichloroethene	10		0.25	0.25	r
76-13-1	Trichlorotrifluoroethane	9.8		0.25	0.25	r
75-15-0	Carbon Disulfide	10		0.25	0.25	r
107-02-8	Acrolein	65		2.5	2.5	r
75-09-2	Methylene Chloride	9.9		1.0	1.0	r
67-64-1	Acetone	9.1		2.5	2.5	r
156-60-5	Trans-1,2-Dichloroethene	11		0.25	0.25	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	10		0.25	0.25	r
75-34-3	1,1-Dichloroethane	11		0.25	0.25	r
107-13-1	Acrylonitrile	11		2.5	2.5	r
156-59-2	Cis-1,2-Dichloroethene	11		0.25	0.25	r
594-20-7	2,2-Dichloropropane	8.8		0.25	0.25	r
74-97-5	Bromochloromethane	10		0.25	0.25	r
67-66-3	Chloroform	10		0.25	0.25	r
56-23-5	Carbon Tetrachloride	9.7		0.25	0.25	r
109-99-9	Tetrahydrofuran (THF)	25		2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	9.9		0.25	0.25	r
78-93-3	Methyl Ethyl Ketone	9.3		2.5	2.5	r
563-58-6	1,1-Dichloropropene	10		0.25	0.25	r
71-43-2	Benzene	10		0.25	0.25	r
107-06-2	1,2-Dichloroethane	10		0.50	0.50	r
79-01-6	Trichloroethene	10		0.25	0.25	r
74-95-3	Dibromomethane	10		0.25	0.25	r
78-87-5	1,2-dichloropropane	10		0.25	0.25	r
75-27-4	Bromodichloromethane	10		0.25	0.25	r
10061-01-5	cis-1,3-Dichloropropene	10		0.25	0.25	r
108-88-3	Toluene	10		0.25	0.25	r
108-10-1	4-Methyl-2-Pentanone	9.9		2.5	2.5	r
127-18-4	Tetrachloroethene	9.6		0.25	0.25	r
10061-02-6	trans-1,3-Dichloropropene	9.4		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CQ06047 LCSD

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCQ06052 Lab Sample ID: CQ06047 LCSD

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0213_31.D

Level: (low/med/meth): Med Date Received: 02/12/24

% Moisture: n.a. Date Analyzed: 02/13/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	10		0.25	0.25	r
124-48-1	Dibromochloromethane	11		0.25	0.25	r
142-28-9	1,3-Dichloropropane	10		0.25	0.25	r
106-93-4	1,2-Dibromoethane	10		0.25	0.25	r
591-78-6	2-Hexanone	11		2.5	2.5	r
108-90-7	Chlorobenzene	11		0.25	0.25	r
100-41-4	Ethylbenzene	11		0.25	0.25	r
630-20-6	1,1,1,2-Tetrachloroethane	11		0.25	0.25	r
179601-23-1	m&p-Xylene	22		0.25	0.25	r
95-47-6	o-Xylene	11		0.25	0.25	r
100-42-5	Styrene	11		0.25	0.25	r
75-25-2	Bromoform	11		0.25	0.25	r
98-82-8	Isopropylbenzene	12		0.25	0.25	r
108-86-1	Bromobenzene	11		0.25	0.25	r
103-65-1	n-Propylbenzene	11		0.25	0.25	r
79-34-5	1,1,2,2-Tetrachloroethane	11		0.25	0.25	r
95-49-8	2-Chlorotoluene	11		0.25	0.25	r
108-67-8	1,3,5-Trimethylbenzene	11		0.25	0.25	r
96-18-4	1,2,3-Trichloropropane	11		0.25	0.25	r
110-57-6	trans-1,4-Dichloro-2-butene	38		2.5	2.5	r
106-43-4	4-Chlorotoluene	11		0.25	0.25	r
98-06-6	tert-Butylbenzene	11		0.25	0.25	r
95-63-6	1,2,4-Trimethylbenzene	11		0.25	0.25	r
135-98-8	sec-Butylbenzene	11		0.25	0.25	r
99-87-6	p-Isopropyltoluene	11		0.25	0.25	r
541-73-1	1,3-Dichlorobenzene	11		0.25	0.25	r
106-46-7	1,4-Dichlorobenzene	11		0.25	0.25	r
527-84-4	2-Isopropyltoluene	11		0.25	0.25	r
104-51-8	n-Butylbenzene	11		0.25	0.25	r
95-50-1	1,2-Dichlorobenzene	11		0.25	0.25	r
96-12-8	1,2-Dibromo-3-Chloropropane	12		0.50	0.50	r
87-68-3	Hexachlorobutadiene	9.8		0.20	0.20	r
120-82-1	1,2,4-Trichlorobenzene	11		0.25	0.25	r
91-20-3	Naphthalene	12		1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	11		0.25	0.25	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_31.D
 Acq On : 13 Feb 2024 6:45 pm
 Operator :
 Client ID : CQ06047 LCSD
 Lab ID : CQ06047 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:08 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	3.825	168	344438	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	589007	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	486198	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	268096	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.688	96	35035	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	26270	9.564	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.60%	
45) % Toluene-d8	5.132	98	721066	9.818	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.20%	
62) % Bromofluorobenzene	7.167	95	240017	9.614	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.10%	
64) % 1,2-dichlorobenzene-d4	8.155	152	223283	9.793	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.90%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.147	85	117637	9.572	ug/l	100
3) Chloromethane	1.267	50	136949	9.265	ug/l	98
4) Vinyl Chloride	1.309	62	142245	10.175	ug/l	100
5) Bromomethane	1.497	94	62391	11.743	ug/l	97
6) Chloroethane	1.570	64	89366	10.767	ug/l	96
7) Trichlorofluoromethane	1.654	101	168378	10.256	ug/l	98
9) 1,1-Dichloroethene	1.973	96	90915	10.017	ug/l	97
10) Trichlorotrifluoroethane	1.999	151	65245	9.793	ug/l	93
11) Carbon Disulfide	1.999	76	295787	10.281	ug/l	99
12) Acrolein	2.182	56	34946	65.146	ug/l	97
13) Methylene Chloride	2.350	84	95686	9.902	ug/l	92
14) Acetone	2.381	43	10273	9.089	ug/l	96
15) Trans-1,2-Dichloroethene	2.459	96	104633	10.545	ug/l	96
17) Methyl t-Butyl Ether (...)	2.533	73	145326	10.075	ug/l	100
19) 1,1-Dichloroethane	2.862	63	216748	10.704	ug/l	99
20) Acrylonitrile	2.888	53	13829	11.182	ug/l	94
23) Cis-1,2-Dichloroethene	3.218	96	108747	10.570	ug/l	96
24) 2,2-Dichloropropane	3.291	77	131815	8.786	ug/l	98
25) Bromochloromethane	3.349	128	35335	10.384	ug/l	87
27) Chloroform	3.396	83	188426	10.402	ug/l	99
28) Carbon Tetrachloride	3.495	117	108820	9.721	ug/l	99
29) Tetrahydrofuran (THF)	3.511	42	26136	24.810	ug/l	97
30) 1,1,1-Trichloroethane	3.537	97	148369	9.902	ug/l	98
32) Methyl Ethyl Ketone	3.594	43	14915	9.331	ug/l	85
34) 1,1-Dichloropropene	3.615	75	149838	10.212	ug/l	96
35) Benzene	3.783	78	442839	10.478	ug/l	99
37) 1,2-Dichloroethane	3.913	62	93699	10.192	ug/l	97
39) Trichloroethene	4.175	130	106670	10.186	ug/l	96
40) Dibromomethane	4.452	93	35618	10.184	ug/l	99
41) 1,2-dichloropropane	4.520	63	106776	10.386	ug/l	97
42) Bromodichloromethane	4.562	83	102062	10.061	ug/l	99
43) cis-1,3-Dichloropropene	5.001	75	127621	10.027	ug/l	99
44) Toluene	5.169	92	257753	10.299	ug/l	98
46) 4-Methyl-2-Pentanone	5.435	43	35673	9.923	ug/l	97
47) Tetrachloroethene	5.446	164	74606	9.640	ug/l	99
48) trans-1,3-Dichloropropene	5.456	75	83529	9.401	ug/l	97
49) 1,1,2-Trichloroethane	5.571	97	47355	10.224	ug/l	88

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_31.D
 Acq On : 13 Feb 2024 6:45 pm
 Operator :
 Client ID : CQ06047 LCSD
 Lab ID : CQ06047 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:08 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

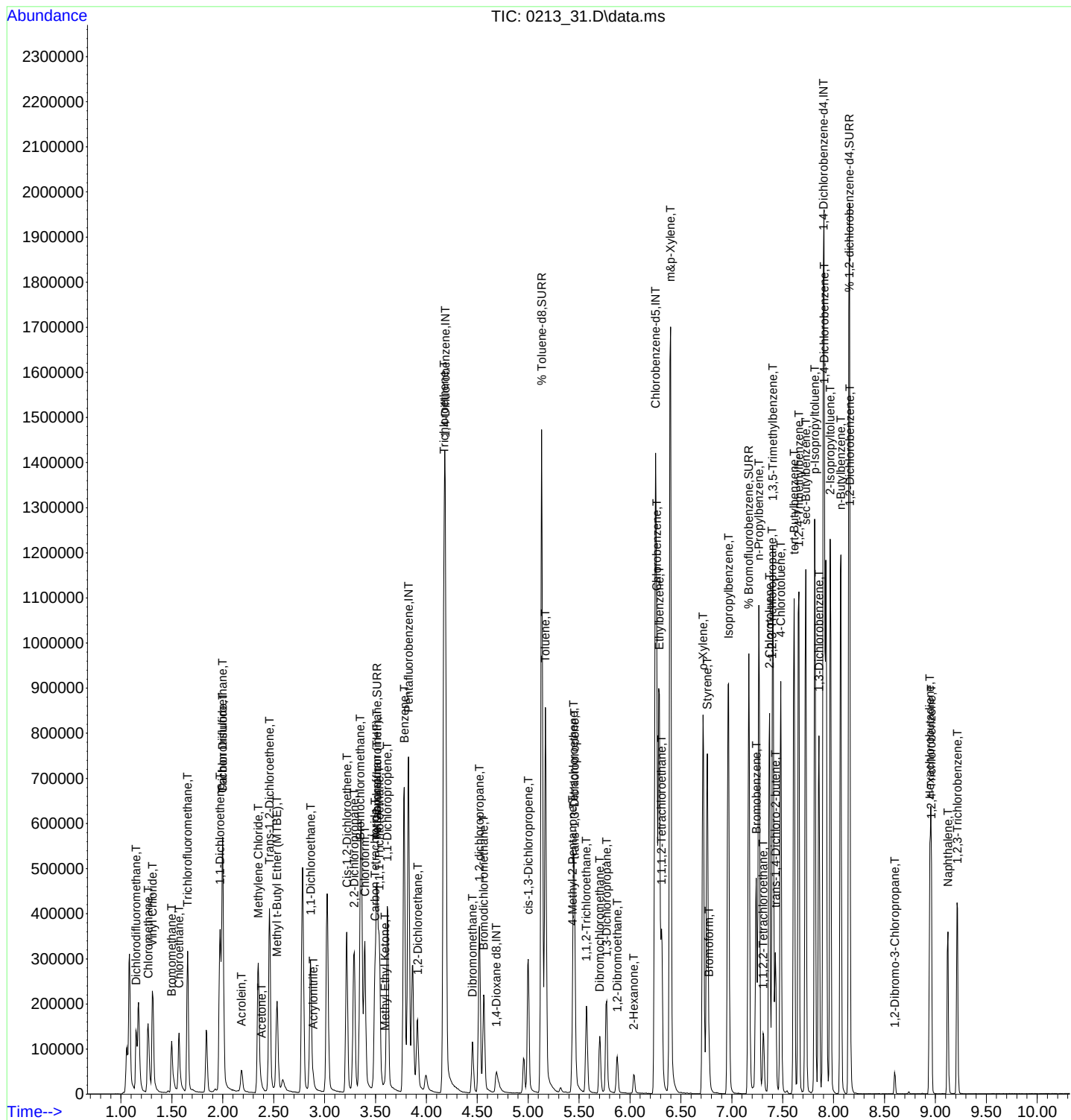
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	5.702	129	52278	10.846	ug/l	100
52) 1,3-Dichloropropane	5.770	76	89376	10.438	ug/l	97
53) 1,2-Dibromoethane	5.875	107	43638	10.382	ug/l	99
54) 2-Hexanone	6.037	43	22649	10.523	ug/l	96
55) Chlorobenzene	6.262	112	258063	10.718	ug/l	96
56) Ethylbenzene	6.288	106	147437	10.780	ug/l	99
57) 1,1,1,2-Tetrachloroethane	6.309	131	61838	10.735	ug/l	95
58) m&p-Xylene	6.398	106	365739	21.499	ug/l	98
59) o-Xylene	6.717	106	174134	11.028	ug/l	94
60) Styrene	6.759	104	268370	10.834	ug/l	98
61) Bromoform	6.774	173	17215	10.996	ug/l	99
65) Isopropylbenzene	6.968	120	123915	11.786	ug/l	95
66) Bromobenzene	7.240	156	89570	11.073	ug/l	88
67) n-Propylbenzene	7.266	120	127237	11.200	ug/l#	82
68) 1,1,2,2-Tetrachloroethane	7.308	83	46666	11.150	ug/l	98
69) 2-Chlorotoluene	7.371	126	108427	11.203	ug/l#	83
70) 1,3,5-Trimethylbenzene	7.402	105	393717	11.307	ug/l	99
71) 1,2,3-Trichloropropane	7.397	75	38339	10.696	ug/l	83
72) trans-1,4-Dichloro-2-b...	7.428	75	38981	37.941	ug/l	93
73) 4-Chlorotoluene	7.480	126	112500	11.185	ug/l	93
74) tert-Butylbenzene	7.611	119	335236	11.309	ug/l	96
75) 1,2,4-Trimethylbenzene	7.658	105	400366	11.229	ug/l	99
76) sec-Butylbenzene	7.726	105	511904	10.996	ug/l	96
77) p-Isopropyltoluene	7.815	119	439439	11.200	ug/l	99
78) 1,3-Dichlorobenzene	7.857	146	197419	10.791	ug/l	98
79) 1,4-Dichlorobenzene	7.909	146	190858	10.621	ug/l	99
81) 2-Isopropyltoluene	7.967	119	419562	11.262	ug/l	99
82) n-Butylbenzene	8.072	91	419920	11.050	ug/l	97
83) 1,2-Dichlorobenzene	8.160	146	162346	10.572	ug/l	99
84) 1,2-Dibromo-3-Chloropr...	8.600	155	5322	11.698	ug/l	86
85) Hexachlorobutadiene	8.945	225	45458	9.791	ug/l	100
86) 1,2,4-Trichlorobenzene	8.961	180	93411	10.706	ug/l	96
87) Naphthalene	9.123	128	156969	11.683	ug/l	99
88) 1,2,3-Trichlorobenzene	9.217	180	74721	10.592	ug/l	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\021324\
Data File : 0213_31.D
Acq On : 13 Feb 2024 6:45 pm
Operator :
Client ID : C006047 LCSD
Lab ID : C006047 LCSD
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:08 2024
Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed Feb 07 06:01:21 2024
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CQ06047 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCQ06052 Lab Sample ID: CQ06047 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0213_33.D

Level: (low/med/meth): Low Date Received: 02/12/24

% Moisture: n.a. Date Analyzed: 02/13/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	1.0	U	0.25	1.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	1.0	U	0.25	1.0	r
75-00-3	Chloroethane	1.0	U	0.25	1.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	1.0	U	1.0	1.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	1.0	U	0.25	1.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	1.0	U	0.25	1.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	1.0	U	0.25	1.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	2.5	U	2.5	2.5	r
71-55-6	1,1,1-Trichloroethane	1.0	U	0.25	1.0	r
78-93-3	Methyl Ethyl Ketone	5.0	U	2.5	5.0	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	1.0	U	0.25	1.0	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	0.50	U	0.25	0.50	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	5.0	U	2.5	5.0	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CQ06047 BLANK

Client: PREFRDNY Lab: Phoenix Env. Labs

SDG No.: GCQ06052 Lab Sample ID: CQ06047 BL

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0213_33.D

Level: (low/med/meth): Low Date Received: 02/12/24

% Moisture: n.a. Date Analyzed: 02/13/24

Instrument: CHEM02 Column: RTX-VMS Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	0.50	U	0.25	0.50	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	5.0	U	2.5	5.0	r
108-90-7	Chlorobenzene	1.0	U	0.25	1.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	1.0	U	0.25	1.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.10	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.25	0.50	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U	2.5	5.0	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.40	U	0.25	0.40	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_33.D
 Acq On : 13 Feb 2024 7:36 pm
 Operator :
 Client ID : CQ06047 BLANK
 Lab ID : CQ06047 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:14 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

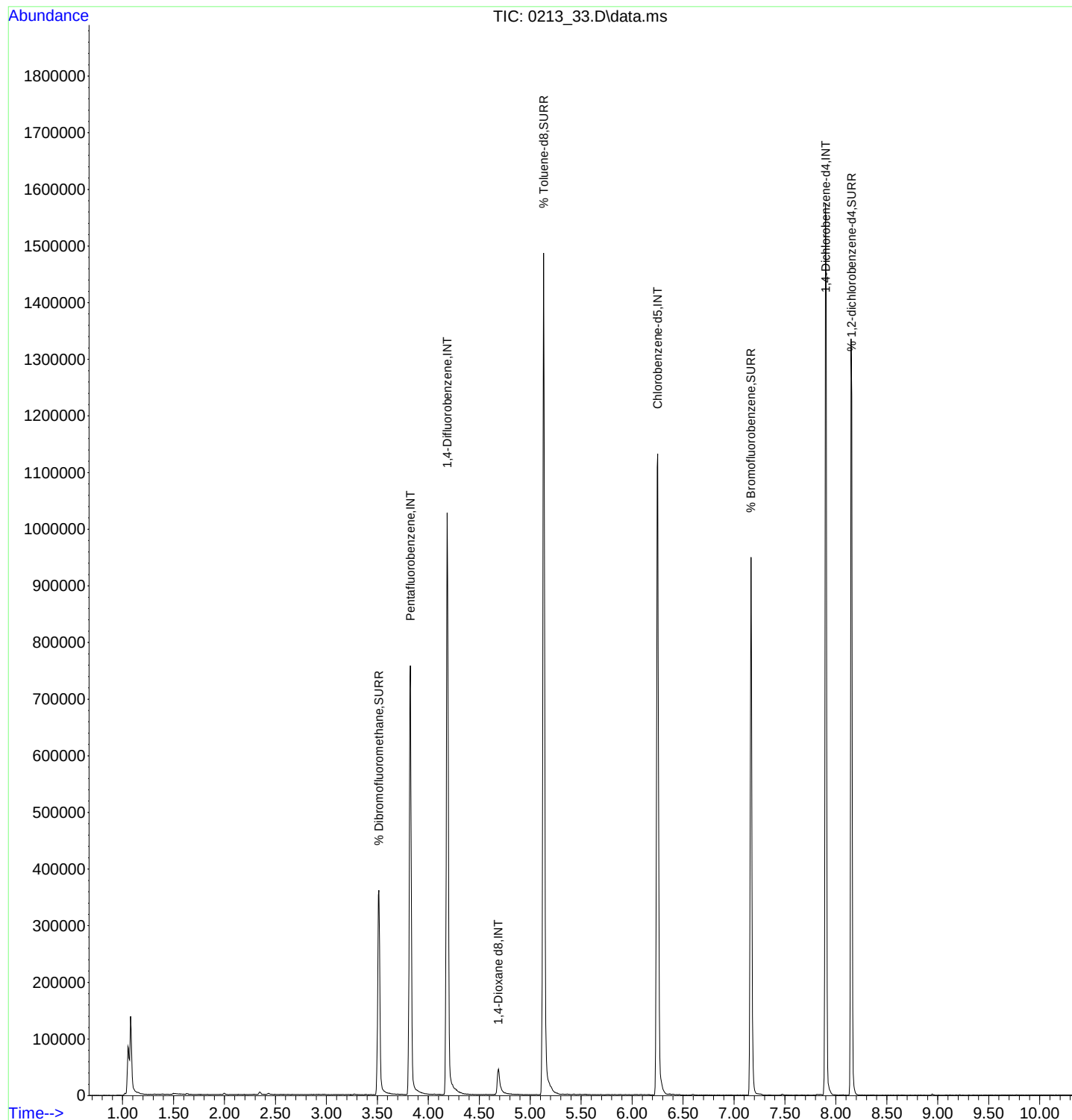
Internal Standards						
1) Pentafluorobenzene	3.824	168	358847	10.000	ug/l	0.00
33) 1,4-Difluorobenzene	4.185	114	601363	10.000	ug/l	0.00
50) Chlorobenzene-d5	6.251	117	491092	10.000	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.899	152	255099	10.000	ug/l	0.00
89) 1,4-Dioxane d8	4.687	96	35143	500.000	ug/l	0.00
System Monitoring Compounds						
31) % Dibromofluoromethane	3.516	192	27227	9.515	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.10%		
45) % Toluene-d8	5.132	98	721614	9.624	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.20%		
62) % Bromofluorobenzene	7.166	95	229321	9.094	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.90%		
64) % 1,2-dichlorobenzene-d4	8.155	152	210529	9.704	ug/l	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.00%		
Target Compounds						Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\V2024\CHEM02\02FEB\021324\
 Data File : 0213_33.D
 Acq On : 13 Feb 2024 7:36 pm
 Operator :
 Client ID : C006047 BLANK
 Lab ID : C006047 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 12:43:14 2024
 Quant Method : H:\V2024\CHEM02\Methods\VT-P020624.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Feb 07 06:01:21 2024
 Response via : Initial Calibration



Injection Log

Data Directory: H:\V2024\CHEM02\02FEB\020624\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0206_01.D	XXXXXXXXXX		02/06/24 18:08
2)	1	0206_02.D	XXXXXXXXXX		02/06/24 18:32
3)	1	0206_03.D	XXXXXXXXXX		02/06/24 18:55
4)	1	0206_04.D	XXXXXXXXXX		02/06/24 19:23
5)	1	0206_05.D	XXXXXXXXXX		02/06/24 19:50
6)	1	0206_06.D	XXXXXXXXXX		02/06/24 20:29
7)	1	0206_07.D	XXXXXXXXXX		02/06/24 21:00
8)	1	0206_08.D	XXXXXXXXXX		02/06/24 21:35
9)	1	0206_09.D	XXXXXXXXXX		02/06/24 22:10
10)	1	0206_10.D	BFB TUNE	VOA 0.5 PPB STD. VOA	02/06/24 22:33
11)	1	0206_11.D	ICAL 2	VOA 2 PPB STD.	02/06/24 22:57
12)	1	0206_12.D	ICAL 4	VOA 4 PPB STD.	02/06/24 23:20
13)	1	0206_13.D	ICAL 10	VOA 10 PPB STD.	02/06/24 23:44
14)	1	0206_14.D	ICAL 20	VOA 20 PPB STD.	02/07/24 0:08
15)	1	0206_15.D	ICAL 30	VOA 30 PPB STD.	02/07/24 0:31
16)	1	0206_16.D	XXXXXXXXXX		02/07/24 0:55

Injection Log

Data Directory: H:\V2024\CHEM02\02FEB\021324\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0213_01.D	XXXXXXXXXX		02/13/24 6:39
2)	1	0213_02.D	XXXXXXXXXX		02/13/24 7:03
3)	1	0213_03.D	XXXXXXXXXX		02/13/24 7:27
4)	1	0213_04.D	XXXXXXXXXX		02/13/24 7:50
5)	1	0213_05.D	XXXXXXXXXX		02/13/24 8:19
6)	1	0213_06.D	XXXXXXXXXX		02/13/24 8:42
7)	1	0213_07.D	XXXXXXXXXX		02/13/24 9:12
8)	1	0213_08.D	XXXXXXXXXX		02/13/24 9:35
9)	1	0213_09.D	XXXXXXXXXX		02/13/24 9:59
10)	1	0213_10.D	XXXXXXXXXX		02/13/24 10:23
11)	1	0213_11.D	XXXXXXXXXX		02/13/24 10:46
12)	1	0213_12.D	XXXXXXXXXX		02/13/24 11:10
13)	1	0213_13.D	XXXXXXXXXX		02/13/24 11:34
14)	1	0213_14.D	XXXXXXXXXX		02/13/24 11:57
15)	1	0213_15.D	XXXXXXXXXX		02/13/24 12:21
16)	1	0213_16.D	XXXXXXXXXX		02/13/24 12:45
17)	1	0213_17.D	XXXXXXXXXX		02/13/24 13:08
18)	1	0213_18.D	XXXXXXXXXX		02/13/24 13:32
19)	1	0213_19.D	XXXXXXXXXX		02/13/24 13:56
20)	1	0213_20.D	XXXXXXXXXX		02/13/24 14:19
21)	1	0213_21.D	XXXXXXXXXX		02/13/24 14:43
22)	1	0213_22.D	XXXXXXXXXX		02/13/24 15:07
23)	1	0213_23.D	XXXXXXXXXX		02/13/24 15:30
24)	1	0213_24.D	XXXXXXXXXX		02/13/24 15:54
25)	1	0213_25.D	XXXXXXXXXX		02/13/24 16:18
26)	1	0213_26.D	XXXXXXXXXX		02/13/24 16:42
27)	1	0213_27.D	XXXXXXXXXX		02/13/24 17:05
28)	1	0213_28.D	XXXXXXXXXX		02/13/24 17:29
29)	1	0213_29.D	CCAL 10 - BFB TUNE	VOA 10 PPB STD. VOA1	02/13/24 17:58
30)	1	0213_30.D	CQ06047 LCS	CQ06047 LCS	02/13/24 18:22
31)	1	0213_31.D	CQ06047 LCSD	CQ06047 LCSD	02/13/24 18:45
32)	1	0213_32.D	XXXXXXXXXX		02/13/24 19:12
33)	1	0213_33.D	CQ06047 BLANK	CQ06047 BLANK	02/13/24 19:36
34)	1	0213_34.D	XXXXXXXXXX		02/13/24 20:03
35)	1	0213_35.D	XXXXXXXXXX		02/13/24 20:27
36)	1	0213_36.D	XXXXXXXXXX		02/13/24 20:51
37)	1	0213_37.D	MW-6I	CQ06052	02/13/24 21:14
38)	1	0213_38.D	XXXXXXXXXX		02/13/24 21:38
39)	1	0213_39.D	XXXXXXXXXX		02/13/24 22:01
40)	1	0213_40.D	XXXXXXXXXX		02/13/24 22:25
41)	1	0213_41.D	XXXXXXXXXX		02/13/24 22:49
42)	1	0213_42.D	XXXXXXXXXX		02/13/24 23:13
43)	1	0213_43.D	XXXXXXXXXX		02/13/24 23:36
44)	1	0213_44.D	XXXXXXXXXX		02/14/24 0:00
45)	1	0213_45.D	XXXXXXXXXX		02/14/24 0:24
46)	1	0213_46.D	XXXXXXXXXX		02/14/24 0:47
47)	1	0213_47.D	XXXXXXXXXX		02/14/24 1:11
48)	1	0213_48.D	XXXXXXXXXX		02/14/24 1:34
49)	1	0213_49.D	XXXXXXXXXX		02/14/24 1:58
50)	1	0213_50.D	XXXXXXXXXX		02/14/24 2:22
51)	1	0213_51.D	XXXXXXXXXX		02/14/24 2:46
52)	1	0213_52.D	XXXXXXXXXX		02/14/24 3:09
53)	1	0213_53.D	XXXXXXXXXX		02/14/24 3:33
54)	1	0213_54.D	XXXXXXXXXX		02/14/24 3:57
55)	1	0213_55.D	XXXXXXXXXX		02/14/24 4:20
56)	1	0213_56.D	XXXXXXXXXX		02/14/24 4:44
57)	1	0213_57.D	CCAL 10	VOA 10 PPB STD. VOA1	02/14/24 5:08



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Preferred Environmental Services

SID HARVEY

Laboratory Project: GCQ06052

Metals (Water)

Ver 1

Inorganic Data Flags

- C (Concentration) Qualifiers:

- J – The reported value was obtained from a reading that was less than the Reporting Level (RL) but greater than or equal to the Instrument Detection Limit (IDL)
- U – The analyte was analyzed for but not detected at or above the IDL

- Q Qualifiers:

- E - The reported value is estimated because of the presence of interference. An explanatory note shall be included in the project narrative (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M- Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

- M (Method) Qualifiers:

- “P” - ICP
- “A” - Flame AA
- “F” - Furnace AA
- “PM” - ICP when Microwave Digestion is used
- “AM” - Flame AA when Microwave Digestion is used
- “FM” - Furnace AA when Microwave Digestion is used
- “CV” - Manual Cold Vapor AA
- “AV” - Automated Cold Vapor AA
- “CA” - Midi-Distillation Spectrophotometric
- “AS” - Semi-Automated Spectrophotometric
- “C” - Manual Spectrophotometric
- “T” - Titrimetric
- “ ” - where no data have been entered
- “NR” - the analyte is not required to be analyzed
- “G” - Gravimetric

SDG: GCQ06052

Metals Water Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

Form 1 (Analysis):

The following samples/analytes were flagged for non-compliance: None.

Form 2A (Initial & Continuing Calibration Verification):

All Initial and Continuing Calibrations met criteria with the following exceptions: None.

Form 2B (CRDL):

All CRDLs met criteria with the following exceptions:
BLUE I-CRDL 02/16/2024 18:03: Iron (2795% [70-130]), Manganese (617% [70-130])

Form 3 (Continuing and Preparation Blanks):

All Continuing and Preparation Blanks were Non-Detect with the following exceptions: None.

Form 4 (ICP Interference Check):

All ICP Interference Checks met criteria with the following exceptions: None.

Form 5 (Matrix Spikes):

All Matrix Spikes met criteria with the following exceptions: None.
Note that the laboratory performs a MS and MSD; only the MS is reported on Form 5.

Form 6 (Duplicates):

All Sample Duplicates met criteria with the following exceptions: None.

Form 7 (Laboratory Control Samples):

All Laboratory Control Samples met criteria with the following exceptions: None.
Note that the laboratory performs a LCS and LCSD; only the LCS is reported on Form 7.

Form 9 (Serial Dilution):

All Serial Dilutions met criteria with the following exceptions: None.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.



02/28/24

Alejandro Paredes
Project Manager

1

MW-6I

PREFRDNY

GCQ06052

GROUND WATER

n.a.

mg/L

Date analyzed

03/19/2024

2A

Client: PREFRDNY

SDG: GCQ06052

Absolute Standard (CVS)

Inorganic Ventures (IPC1+2)

BLUE

mg/l

[illegible]

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

Client: PREFRDNY

SDG: GCQ06052

Absolute Standard (CVS)

Inorganic Ventures (IPC1+2)

BLUE

mg/l

[illegible]

(1) Control Limits: Mercury 80-120; Other Metals 90-110

Lab Name: Phoenix Environmental Labs Client: PREFRDNY
Lab Code: Phoenix SDG: GCQ06052
Instrument: BLUE
CRDL Standard Source: Environmental Express

Concentration Units: mg/L

[illegible]

Page 105 of 172

3
BLANKS

Client: PREFRDNY

SDG No.: GCQ06052

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Instrument: BLUE

[illegible]

FORM III - IN

3
BLANKS

Client: PREFRDNY

SDG No.: GCQ06052

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Instrument: BLUE

[illegible]

FORM III - IN

ICS Source: Inorganic Ventures, Inc.

Concentration Units: mg/L[illegible]

Client Id

MW-6I

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix

SDG No.: GCQ06052

Lab Sample Id: CQ06052

Sample Matrix: GROUND WATER

Date Received: 2/12/2024

Percent Solids: n.a.

Batch Id: 718443

Concentration Units (mg/L or mg/kg dry weight): mg/L

[illegible]

* No criteria if either result is less than 5x the reporting level.

Client: PREFRDNY

SDG No.: GCQ06052

QC Batch Id: 718443

QC Sample Id: CQ06052

[illegible]

FORM VII - IN

Client: PREFRDNY

SDG No.: GCQ06052

Date: 03/16/17

[illegible]

FORM X - IN

11A

Phoenix Environmental Labs

Client: PREFRDNY

Phoenix

SDG No.: GCQ06052

BLUE

[illegible]

Comments:

Client: PREFRDNY

SDG No.: GCQ06052

Blue

[illegible]

A linear range study is performed per instrument. The concentrations above reflect the highest calibration point which is lower than the linear range concentration.

FORM XII - IN

Client: PREFRDNY

SDG No.: GCQ06052

Batch Id: 718443

[illegible]

14
ANALYSIS RUN LOG

Lab Name: Phoenix Environmental Labs

Lab Code: Phoenix

Instrument: BLUE

Start Date: 02/16/24

Client: PREFRDNY

SDG: GCQ06052

Method: P (ICP)

End Date: 02/17/24

Lab Sample Id	Client Sample Id	D/F	Time	Analytes																	
				F	M																
ICV			09:13	X	X																
ICB		1	11:13	X	X																
I-CRDL		1	18:03	X	X																
I-ICSA		1	18:09	X	X																
I-ICSAB		1	18:12	X	X																
CCV		1	20:01	X	X																
CCB		1	20:04	X	X																
-		1	20:07																		
-		1	20:10																		
-		1	20:12																		
CQ06052 - BLK	MW-6I - BLK	1	20:15	X	X																
-		1	20:18																		
-		2	20:20																		
-		2	20:23																		
CQ06052 - LCS	MW-6I - LCS	1	20:26	X	X																
CQ06052 - LCSD	MW-6I - LCSD	1	20:29	X	X																
-		1	20:31																		
CCV		1	20:34	X	X																
CCB		1	20:37	X	X																
CQ06052	MW-6I	1	20:40	X	X																
CCB			20:42	X	X																
CQ06052 - DUP	MW-6I - DUP	1	20:45	X	X																
CQ06052 - MS	MW-6I - MS	1	20:48	X	X																
CQ06052 - DIL	MW-6I - DIL	5	20:50	X	X																
CQ06052 - PS	MW-6I - PS	1	20:53	X	X																
-		1	20:56																		
-		1	20:59																		
-		1	21:01																		
-		1	21:04																		
-		1	21:07																		
CCV		1	21:09	X	X																
CCB		1	21:12	X	X																
CRDL		1	01:03	X	X																
ICSA		1	01:08	X	X																
ICSAB		1	01:11	X	X																

FORM XIV - IN - 1

Lab Id: **ICV**Measure Date: **2/16/2024 9:13:56 AM**

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
							ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2476	0.9783	0.9908	0.9884	0.9989	0.9899	1.007
	0.0021	0.0154	0.0080	0.0191	0.0159	0.0060	0.0119
	0.8	1.6	0.8	1.9	1.6	0.6	1.2
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.9865	0.9800	1.018	0.9814	0.9872	4.960	0.9923
	0.0163	0.0167	0.0047	0.0196	0.0182	0.0857	0.0068
	1.6	1.7	0.5	2.0	1.8	1.7	0.7
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9922	0.9854	4.887	0.9809	0.9901	0.9833	0.9862
	0.0116	0.0169	0.0476	0.0134	0.0077	0.0091	0.0122
	1.2	1.7	1.0	1.4	0.8	0.9	1.2
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.9856	0.9943	1.004	0.9982		0.9980	> 0.9875
	0.0167	0.0045	0.0178	0.0111		0.0108	0.0073
	1.7	0.5	1.8	1.1		1.1	0.7
Conc Mean Std Dev RSD %	Zn						
	0.9880						
	0.0143						
	1.4						

Lab Id: **ICB**Measure Date: **2/16/2024 11:13:23 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0008	# -0.0001	-0.0011	-0.0004	-0.0001	-0.0003	-0.0001
	0.0007	0.0007	0.0004	0.0003	0.0001	0.0001	0.0003
	86.8	600.8	36.1	62.3	122.2	23.6	375.3
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0003	0.0000	-0.0006	-0.0011	-0.0001	-0.0042	-0.0001
	0	0.0005	0.0002	0.0006	0.0001	0.0026	0
	10.7	6011	35.7	58.3	159.2	63.2	2.8
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	-0.0002	0.0001	-0.0069	0.0006	-0.0004	# 0.0028	# -0.0003
	0	0.0001	0.0001	0.0005	0.0007	0.0030	0.0014
	7.2	96.3	1.0	79.2	168.4	110.8	466.3
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	-0.0020	-0.0003	-0.0006	-0.0018		-0.0012	# 0.0000
	0.0008	0.0001	0.0003	0.0004		0.0019	0.0004
	37.9	42.6	57.7	21.9		163.7	1479
Conc Mean Std Dev RSD %	Zn						
	-0.0003						
	0						
	5.4						

Lab Id: I-CRDL

Measure Date: 2/16/2024 6:03:57 PM

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	> 0.2889	0.0771	# -0.2199	> 1.040	> 0.0172	0.0644	> 14.53
	0.2734	0.0736	0.1972	1.394	0.0194	0.0589	12.58
	94.6	95.5	89.7	134.0	112.6	91.5	86.6
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	> 0.0126	> 0.1168	# -0.1825	0.5908	> 0.6987	# 0.0283	0.0305
	0.0227	0.1880	0.1647	0.5324	1.010	0.0069	0.0428
	179.7	161.0	90.3	90.1	144.6	24.3	140.5
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	> 0.0309	> 0.1320	# -0.0135	0.1698	> 0.2483	# -26.67	# -1.021
	0.0361	0.2310	0.0003	0.2930	0.2371	23.57	1.029
	117.1	174.9	2.0	172.5	95.5	88.4	100.8
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	# -0.7687	# 0.0851	# -0.0025	> 1.597		0.9863	# 0.2605
	0.9011	0.4852	0.0049	1.503		0.8957	0.2754
	117.2	570.4	193.5	94.1		90.8	105.7
Conc Mean Std Dev RSD %	Zn						
	> 0.4375						
	0.3791						
	86.7						

Lab Id: I-ICSA

Measure Date: 2/16/2024 6:09:23 PM

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0000	30.19	0.0004	-0.0054	0.0003	-0.0003	151.4
	0.0016	0.0554	0.0008	0.0002	0	0.0001	0.5925
	6754	0.2	223.6	3.0	9.5	27.5	0.4
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0015	# -0.0015	-0.0001	-0.0020	126.0	-0.0038	76.29
	0.0003	0.0012	0.0001	0.0003	1.024	0.0003	0.8931
	17.6	77.7	58.0	16.1	0.8	7.5	1.2
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	# -0.0135	-0.0045	25.48	0.0058	0.0054	# -0.0004	0.0034
	0.0002	0.0004	0.1154	0.0003	0.0003	0.0062	0.0002
	1.1	8.4	0.5	5.1	5.8	1443	7.0
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	-0.0029	0.0012	-0.0045	-0.0009		0.0013	# -0.0003
	0.0007	0.0009	0.0002	0.0012		0.0028	0.0021
	22.8	71.3	4.1	124.3		221.6	809.5
Conc Mean Std Dev RSD %	Zn						
	0.0088						
	0.0005						
	5.3						

Lab Id: **I-ICSAB**Measure Date: **2/16/2024 6:12:05 PM**

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
		1	1	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	> 0.2761	30.28	1.012	0.5048	0.3007	0.0992	150.8
	0.0017	0.1435	0.0024	0.0010	0.0029	0.0008	0.7643
	0.6	0.5	0.2	0.2	1.0	0.8	0.5
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.2976	0.3050	0.2928	0.3182	125.8	> 18.03	75.55
	0.0014	0.0001	0.0051	0.0044	1.012	0.1240	0.3587
	0.5	0	1.7	1.4	0.8	0.7	0.5
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.1843	0.2972	25.33	0.3141	1.029	# -0.0007	1.029
	0.0010	0.0028	0.1271	0.0027	0.0141	0.0027	0.0044
	0.5	0.9	0.5	0.9	1.4	414.4	0.4
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.5058	0.0019	0.9872	1.036		0.2974	# 0.0020
	0.0094	0.0003	0.0092	0.0086		0.0044	0.0015
	1.8	16.5	0.9	0.8		1.5	72.8
Conc Mean Std Dev RSD %	Zn						
	0.3109						
	0.0017						
	0.5						

Lab Id: **CCV**Measure Date: **2/16/2024 8:01:58 PM**

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
		1	1	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2460	0.9685	1.007	1.007	0.9736	1.016	1.021
	0.0017	0.0087	0.0061	0.0064	0.0108	0.0053	0.0100
	0.7	0.9	0.6	0.6	1.1	0.5	1.0
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.011	0.9854	1.017	0.9828	0.9868	4.615	0.9999
	0.0140	0.0102	0.0059	0.0139	0.0108	0.0082	0.0145
	1.4	1.0	0.6	1.4	1.1	0.2	1.5
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9976	0.9911	4.942	0.9892	0.9822	0.9684	0.9921
	0.0115	0.0181	0.1494	0.0160	0.0063	0.0052	0.0080
	1.2	1.8	3.0	1.6	0.6	0.5	0.8
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	1.000	1.011	0.9982	0.9949		0.9901	0.9880
	0.0100	0.0027	0.0100	0.0073		0.0112	0.0078
	1.0	0.3	1.0	0.7		1.1	0.8
Conc Mean Std Dev RSD %	Zn						
	1.007						
	0.0070						
	0.7						

Lab Id: CCB

Measure Date: 2/16/2024 8:04:41 PM

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
		1	1	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0008	# -0.0002	0.0001	-0.0002	0.0003	0.0001	0.0004
	0.0011	0.0008	0.0004	0.0002	0	0.0001	0.0010
		133.7	353.7	284.6	167.1	3.5	105.2
		275.4					
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0002	-0.0001	-0.0007	-0.0009	0.0001	0.0011	0.0001
	0.0001	0.0002	0.0003	0.0003	0.0002	0.0017	0
		57.1	200.0	44.8	35.0	147.9	158.3
		106.7					
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	-0.0002	0.0003	0.0159	-0.0003	0.0012	0.0083	# 0.0011
	0.0001	0.0002	0.0001	0.0006	0.0016	0.0028	0.0009
		31.6	65.6	0.9	207.6	130.3	33.1
		81.1					
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	-0.0006	-0.0003	-0.0002	0.0012		-0.0006	# -0.0002
	0.0012	0.0009	0	0.0005		0.0027	0.0011
		199.0	325.9	21.9	45.3	476.6	460.5
Conc Mean Std Dev RSD %	Zn						
	-0.0002						
	0.0001						
		51.6					

Lab Id: CQ06052 - BLK

Measure Date: 2/16/2024 8:15:34 PM

Client Id: MW-6I - BLK

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units		
718443-WQ-BLK	50	50	100	1	1.000	ppm		
Conc Mean	Ag	Al	As	B	Ba	Be	Ca	
	0.0008	# 0.0009	-0.0005	0.0013	0.0001	0.0001	0.0091	
	Std Dev	0.0006	0.0010	0.0005	0.0002	0.0001	0.0016	
	RSD %	73.6	116.8	96.7	16.7	77.1	160.0	18.1
Conc Mean	Cd	Co	Cr	Cu	Fe	K	Mg	
	-0.0005	-0.0002	-0.0010	-0.0004	0.0098	0.0043	0.0041	
	Std Dev	0.0001	0.0004	0.0001	0.0010	0	0.0032	0
	RSD %	28.1	163.9	14.7	260.8	0.4	74.3	1.1
Conc Mean	Mn	Mo	Na	Ni	Pb	S	Sb	
	0.0001	0.0001	0.0296	0.0006	0.0030	0.0429	0.0022	
	Std Dev	0	0.0001	0.0005	0.0005	0.0012	0.0012	0.0008
	RSD %	9.2	145.7	1.7	73.9	40.4	2.9	36.9
Conc Mean	Se	Sn	Ti	Tl	U	V	W	
	0.0020	-0.0023	-0.0001	-0.0028		0.0008	0.0043	
	Std Dev	0.0009	0.0005	0	0.0003	0.0003	0.0006	
	RSD %	44.5	19.9	19.5	11.6		36.0	13.3
Conc Mean	Zn							
	0.0007							
	Std Dev	0.0001						
	RSD %	6.8						

Lab Id: CQ06052 - LCS

Measure Date: 2/16/2024 8:26:25 PM

Client Id: MW-6I - LCS

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
718443-WQ-SPK	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2327	0.9150	1.917	0.9346	0.9509	1.003	0.9938
	0.0021	0.0120	0.0035	0.0035	0.0049	0.0050	0.0081
	0.9	1.3	0.2	0.4	0.5	0.5	0.8
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.9963	0.9672	0.9915	0.9909	0.9790	4.483	0.9801
	0.0077	0.0023	0.0066	0.0098	0.0032	0.0117	0.0113
	0.8	0.2	0.7	1.0	0.3	0.3	1.2
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9853	0.9671	1.029	0.9735	1.946	0.0508	1.899
	0.0040	0.0064	0.0031	0.0053	0.0146	0.0010	0.0098
	0.4	0.7	0.3	0.5	0.7	2.0	0.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.8855	> 4.756	0.9723	> 4.757		0.9642	0.0076
	0.0121	0.0268	0.0091	0.0191		0.0116	0.0011
	1.4	0.6	0.9	0.4		1.2	14.7
Conc Mean Std Dev RSD %	Zn						
	0.9704						
	0.0002						
	0						

Lab Id: CQ06052 - LCSD

Measure Date: 2/16/2024 8:29:08 PM

Client Id: MW-6I - LCSD

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
718443-WQ-SPD	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2354	0.9156	1.914	0.9525	0.9613	1.005	0.9888
	0.0040	0.0064	0.0145	0.0079	0.0072	0.0102	0.0151
	1.7	0.7	0.8	0.8	0.8	1.0	1.5
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.004	0.9776	0.9936	0.9970	0.9889	4.514	0.9898
	0.0080	0.0086	0.0097	0.0046	0.0061	0.0737	0.0145
	0.8	0.9	1.0	0.5	0.6	1.6	1.5
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9975	0.9826	1.029	0.9885	1.947	0.0532	1.913
	0.0075	0.0095	0.0156	0.0092	0.0118	0.0033	0.0237
	0.8	1.0	1.5	0.9	0.6	6.3	1.2
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.8892	> 4.841	0.9792	> 4.783		0.9705	0.0066
	0.0064	0.0498	0.0055	0.0294		0.0158	0.0009
	0.7	1.0	0.6	0.6		1.6	13.1
Conc Mean Std Dev RSD %	Zn						
	0.9812						
	0.0083						
	0.8						

Lab Id: **CCV**Measure Date: **2/16/2024 8:34:34 PM**

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
		1	1	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2474	0.9776	1.016	1.010	0.9845	1.018	1.021
	0.0024	0.0096	0.0111	0.0121	0.0173	0.0034	0.0076
	1.0	1.0	1.1	1.2	1.8	0.3	0.7
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.019	0.9950	1.031	0.9936	1.000	4.621	1.002
	0.0141	0.0168	0.0117	0.0138	0.0142	0.0487	0.0158
	1.4	1.7	1.1	1.4	1.4	1.1	1.6
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	1.006	0.9931	4.891	1.000	0.9982	0.9732	1.001
	0.0116	0.0118	0.0418	0.0151	0.0062	0.0065	0.0118
	1.2	1.2	0.9	1.5	0.6	0.7	1.2
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	1.012	1.011	1.008	1.004		1.004	1.000
	0.0132	0.0120	0.0127	0.0149		0.0074	0.0087
	1.3	1.2	1.3	1.5		0.7	0.9
Conc Mean Std Dev RSD %	Zn						
	1.014						
	0.0126						
	1.2						

Lab Id: CCB

Measure Date: 2/16/2024 8:37:17 PM

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag -0.0004	Al # -0.0012	As 0.0001	B 0.0001	Ba 0.0003	Be 0.0001	Ca -0.0008
	0.0003	0.0010	0.0009	0.0001	0.0001	0.0001	0.0009
	66.4	84.4	1124	41.3	20.3	70.6	122.4
Conc Mean Std Dev RSD %	Cd -0.0002	Co -0.0009	Cr -0.0008	Cu -0.0017	Fe 0	K -0.0011	Mg 0.0000
	0	0.0007	0.0002	0.0008	0.0001	0.0006	0
	14.8	75.6	21.6	47.8	5600	56.4	500.0
Conc Mean Std Dev RSD %	Mn -0.0002	Mo 0.0000	Na 0.0014	Ni 0.0001	Pb -0.0001	S 0.0133	Sb 0.0013
	0	0.0001	0.0001	0.0012	0.0006	0.0071	0.0009
	5.2	191.4	5.4	1430	454.0	53.1	68.0
Conc Mean Std Dev RSD %	Se 0.0004	Sn -0.0007	Ti -0.0004	Tl 0.0010	U	V # -0.0027	W # -0.0008
	0.0006	0.0006	0.0001	0.0008		0.0033	0.0015
	135.7	90.3	39.2	81.8		126.5	180.2
Conc Mean Std Dev RSD %	Zn -0.0002						
	0						
	15.3						

Lab Id: CQ06052

Measure Date: 2/16/2024 8:40:01 PM

Client Id: MW-6I

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
718443-WS-S01	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0005	0.4367	-0.0001	0.0426	0.0520	0.0001	21.80
	0.0004	0.0010	0.0002	0.0007	0.0001	0	0.1845
	71.1	0.2	209.9	1.6	0.2	8.0	0.8
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0002	-0.0005	0.0017	0.0458	8.430	3.101	7.856
	0	0.0007	0.0002	0.0007	0.0726	0.0406	0.0335
	3.6	153.6	12.5	1.6	0.9	1.3	0.4
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.4429	0.0004	> 58.03	0.0028	0.0101	> 11.24	0.0028
	0.0033	0.0001	0.0723	0.0009	0.0010	0.0540	0.0012
	0.7	36.9	0.1	31.6	9.5	0.5	42.7
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0023	-0.0005	0.0145	-0.0004		0.0015	# 0.0033
	0.0012	0.0007	0	0.0011		0.0023	0.0005
	51.3	137.9	0.2	248.4		152.1	14.6
Conc Mean Std Dev RSD %	Zn						
	0.0719						
	0.0003						
	0.4						

Lab Id: CCB

Measure Date: 2/16/2024 8:42:45 PM

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
						ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0006	# -0.0016	0.0007	-0.0002	0.0000	0.0001	0.0038
	0.0006	0.0006	0.0009	0.0001	0.0001	0.0001	0.0013
	101.7	37.6	128.7	70.2	442.1	121.0	33.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0003	-0.0004	-0.0007	-0.0017	0.0004	-0.0022	0.0005
	0	0.0014	0.0002	0.0007	0.0002	0.0012	0.0002
	4.5	390.8	36.6	40.3	48.0	56.6	44.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	-0.0002	0.0002	0.0066	-0.0003	-0.0013	# 0.0030	0.0002
	0	0.0002	0.0008	0.0004	0.0006	0.0069	0.0005
	8.2	99.5	12.4	141.5	42.9	228.5	333.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	-0.0002	-0.0008	-0.0005	0.0014		-0.0016	# -0.0010
	0.0009	0.0003	0.0003	0.0003		0.0033	0.0007
	596.1	38.1	55.1	24.0		207.5	75.1
Conc Mean Std Dev RSD %	Zn						
	-0.0002						
	0						
	12.7						

Lab Id: CQ06052 - DUP

Measure Date: 2/16/2024 8:45:30 PM

Client Id: MW-6I - DUP

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
718443-WQ-DUP	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0016	0.2918	0.0000	0.0423	0.0513	0.0002	21.71
	0.0002	0.0020	0.0010	0.0005	0.0003	0.0002	0.1465
	12.8	0.7	4414	1.2	0.7	93.6	0.7
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0000	0.0001	0.0008	0.0239	8.312	2.990	7.848
	0.0001	0.0011	0.0002	0.0005	0.0269	0.0245	0.0685
	914.3	847.0	27.6	2.2	0.3	0.8	0.9
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.4446	0.0003	> 57.51	0.0020	0.0088	> 11.26	0.0022
	0.0032	0.0004	0.4233	0.0005	0.0011	0.0558	0.0003
	0.7	168.5	0.7	24.3	12.4	0.5	13.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0013	-0.0015	0.0083	-0.0013		-0.0005	# 0.0029
	0.0023	0.0007	0.0002	0.0004		0.0023	0.0006
	177.2	47.2	3.0	31.9		465.7	19.7
Conc Mean Std Dev RSD %	Zn						
	0.0441						
	0.0002						
	0.5						

Lab Id: CQ06052 - MS

Measure Date: 2/16/2024 8:48:12 PM

Client Id: MW-6I - MS

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
718443-WQ-MSX	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2393	1.276	1.928	1.003	1.022	1.011	23.24
	0.0012	0.0117	0.0045	0.0016	0.0072	0.0009	0.1823
	0.5	0.9	0.2	0.2	0.7	0.1	0.8
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.001	0.9855	1.000	1.039	9.479	> 7.625	9.010
	0.0052	0.0070	0.0037	0.0074	0.0123	0.0884	0.0571
	0.5	0.7	0.4	0.7	0.1	1.2	0.6
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	1.442	0.9902	> 60.82	0.9965	2.001	> 11.29	1.919
	0.0098	0.0076	0.0445	0.0072	0.0032	0.0715	0.0094
	0.7	0.8	0.1	0.7	0.2	0.6	0.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.8890	> 4.885	0.9877	> 4.849		0.9712	0.0070
	0.0151	0.0200	0.0055	0.0250		0.0077	0.0011
	1.7	0.4	0.6	0.5		0.8	15.6
Conc Mean Std Dev RSD %	Zn						
	1.042						
	0.0033						
	0.3						

Lab Id: CQ06052 - DIL

Measure Date: 2/16/2024 8:50:55 PM

Client Id: MW-6I - DIL

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
718443-WQ-DIL	50	50	100	5	5.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0009	0.4461	0.0024	0.0480	0.0551	0.0010	23.05
	0.0056	0.0052	0.0016	0.0014	0.0005	0.0003	0.2711
	607.9	1.2	64.5	2.8	0.8	24.4	1.2
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0006	0.0017	-0.0008	0.0385	8.458	3.219	8.059
	0.0002	0.0059	0.0013	0.0022	0.0836	0.0457	0.1074
	42.1	356.3	172.5	5.6	1.0	1.4	1.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.4549	0.0014	56.92	0.0036	0.0030	> 11.99	0.0097
	0.0033	0.0006	0.8874	0.0023	0.0071	0.1114	0.0021
	0.7	41.5	1.6	62.9	233.3	0.9	22.0
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0034	0.0120	0.0143	0.0090		-0.0031	# -0.0007
	0.0059	0.0032	0.0009	0.0033		0.0130	0.0024
	171.3	26.8	6.2	36.5		419.7	355.6
Conc Mean Std Dev RSD %	Zn						
	0.1235						
	0.0007						
	0.5						

Lab Id: **CQ06052 - PS**Measure Date: **2/16/2024 8:53:38 PM**Client Id: **MW-6I - PS**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
718443-WQ-PSX	50	50	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2499	1.404	2.022	1.046	1.064	1.050	22.18
	0.0034	0.0195	0.0260	0.0122	0.0141	0.0109	0.1929
	1.3	1.4	1.3	1.2	1.3	1.0	0.9
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	1.042	1.028	1.049	1.102	9.397	> 7.634	8.663
	0.0109	0.0077	0.0122	0.0145	0.1530	0.1541	0.0735
	1.0	0.7	1.2	1.3	1.6	2.0	0.8
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	1.460	1.010	> 57.61	1.032	> 2.106	> 10.94	1.989
	0.0248	0.0077	0.2066	0.0110	0.0341	0.1551	0.0290
	1.7	0.8	0.4	1.1	1.6	1.4	1.5
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.9397	> 4.984	1.021	> 5.057		1.027	0.0066
	0.0194	0.0508	0.0099	0.0528		0.0176	0.0004
	2.1	1.0	1.0	1.0		1.7	5.9
Conc Mean Std Dev RSD %	Zn						
	1.083						
	0.0127						
	1.2						

Lab Id: **CCV**Measure Date: **2/16/2024 9:09:55 PM**

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
		1	1	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.2445	0.9652	0.9824	0.9870	0.9544	1.015	1.038
	0.0027	0.0084	0.0042	0.0137	0.0071	0.0090	0.0087
	1.1	0.9	0.4	1.4	0.7	0.9	0.8
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.9815	0.9682	0.9984	0.9787	0.9717	4.655	0.9799
	0.0087	0.0076	0.0034	0.0064	0.0097	0.0312	0.0126
	0.9	0.8	0.3	0.7	1.0	0.7	1.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.9843	0.9675	4.873	0.9783	0.9750	0.9693	0.9791
	0.0089	0.0103	0.0751	0.0116	0.0074	0.0159	0.0034
	0.9	1.1	1.5	1.2	0.8	1.6	0.4
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.9898	0.9752	0.9943	0.9726		0.9915	0.9698
	0.0039	0.0058	0.0028	0.0010		0.0043	0.0073
	0.4	0.6	0.3	0.1		0.4	0.8
Conc Mean Std Dev RSD %	Zn						
	0.9943						
	0.0086						
	0.9						

Lab Id: CCB

Measure Date: 2/16/2024 9:12:38 PM

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0005	# -0.0008	0.0007	0.0003	0.0002	0.0002	0.0004
	0.0006	0.0017	0.0008	0	0.0001	0.0001	0.0018
	133.7	218.5	109.3	5.9	36.8	47.0	414.2
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	-0.0002	-0.0001	-0.0007	-0.0015	0.0000	0.0049	0.0000
	0.0001	0.0009	0.0001	0.0010	0.0001	0.0011	0
	50.5	1411	15.9	65.9	282.1	22.2	105.3
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	-0.0001	0.0005	0.0444	0.0019	-0.0010	0.0159	0.0013
	0	0.0002	0.0030	0.0012	0.0003	0.0063	0.0013
	34.2	51.2	6.7	59.5	30.3	39.3	102.6
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0006	-0.0005	-0.0006	-0.0007		0.0014	# -0.0003
	0.0011	0.0004	0.0002	0.0015		0.0039	0.0014
	189.9	93.9	37.7	207.2		280.0	485.9
Conc Mean Std Dev RSD %	Zn						
	0.0001						
	0.0001						
	129.5						

Lab Id: **CRDL**Measure Date: **2/17/2024 1:03:33 AM**

Client Id:

Matrix		Weight	Volume	Pct Solid	Dilution	Factor	Units
		1	1	100	1	1.000	ppm
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0054	0.0494	0.0197	0.0478	0.0097	0.0054	0.0586
	0.0003	0.0012	0.0002	0.0009	0.0001	0.0001	0.0018
	5.5	2.4	1.1	1.8	1.5	1.8	3.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0052	0.0044	0.0051	# 0.0034	0.0228	0.4854	0.0510
	0.0001	0.0002	0.0002	0.0007	0.0004	0.0059	0.0010
	2.3	5.6	3.4	21.5	1.8	1.2	2.0
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.0047	0.0455	0.5008	0.0052	0.0104	0.5155	0.0258
	0	0.0020	0.0051	0.0003	0.0010	0.0070	0.0014
	0.5	4.3	1.0	4.9	9.3	1.4	5.3
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0495	0.0996	0.0497	0.0193		0.0094	# 0.0017
	0.0011	0.0021	0.0007	0.0014		0.0015	0.0002
	2.3	2.1	1.4	7.0		16.4	13.5
Conc Mean Std Dev RSD %	Zn						
	0.0108						
	0.0001						
	1.2						

Lab Id: **ICSA**Measure Date: **2/17/2024 1:08:59 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	0.0002	29.68	-0.0008	-0.0048	0.0002	0.0003	152.0
	0.0005	0.1209	0.0005	0.0003	0.0001	0.0001	1.878
	202.9	0.4	67.8	6.1	32.9	24.7	1.2
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.0011	-0.0018	0.0006	-0.0008	127.1	-0.0037	76.34
	0.0002	0.0002	0.0002	0.0004	1.559	0.0015	0.8715
	16.5	12.7	44.4	45.9	1.2	40.2	1.1
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	# -0.0130	-0.0044	24.44	0.0026	0.0071	# -0.0258	# 0.0014
	0.0002	0.0004	0.2074	0.0004	0.0007	0.0073	0.0013
	1.3	8.3	0.8	14.8	10.5	28.5	96.3
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.0038	0.0003	-0.0039	0.0004		-0.0005	0.0039
	0.0024	0.0005	0.0003	0.0009		0.0009	0.0003
	63.9	193.7	6.5	241.2		207.3	8.4
Conc Mean Std Dev RSD %	Zn						
	0.0086						
	0.0002						
	2.4						

Lab Id: **ICSAB**Measure Date: **2/17/2024 1:11:42 AM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units	
	1	1	100	1	1.000	ppm	
Conc Mean Std Dev RSD %	Ag	Al	As	B	Ba	Be	Ca
	> 0.2860	30.55	1.043	0.5175	0.3147	0.1036	155.3
	0.0018	0.0978	0.0197	0.0051	0.0006	0.0001	1.676
	0.6	0.3	1.9	1.0	0.2	0.1	1.1
Conc Mean Std Dev RSD %	Cd	Co	Cr	Cu	Fe	K	Mg
	0.3086	0.3112	0.2990	0.3262	128.4	> 17.10	77.11
	0.0065	0.0057	0.0046	0.0012	2.083	0.1045	0.6200
	2.1	1.8	1.5	0.4	1.6	0.6	0.8
Conc Mean Std Dev RSD %	Mn	Mo	Na	Ni	Pb	S	Sb
	0.1912	0.3048	25.25	0.3177	1.065	# -0.0250	1.057
	0.0027	0.0044	0.1470	0.0033	0.0115	0.0095	0.0140
	1.4	1.4	0.6	1.0	1.1	37.9	1.3
Conc Mean Std Dev RSD %	Se	Sn	Ti	Tl	U	V	W
	0.5297	0.0009	1.016	1.051		0.3096	0.0037
	0.0064	0.0007	0.0016	0.0156		0.0012	0.0019
	1.2	82.0	0.2	1.5		0.4	52.0
Conc Mean Std Dev RSD %	Zn						
	0.3225						
	0.0037						
	1.2						

NWW

Total Metals Digestion, Waters

TMD-WM-718443

QAQC Code #Q\$ICP

QAQC Sample # CQ06052

02/15/24 6:52 PM

	Sample / C#	Acode	Dept	Initial Vol(ml)	Auto Block #	Final Vol (ml)	IPH	Comments	Start Date	Finish Date	Initials
0	CQ06052	BLK	ICP2, VOA	50	12	50	<2	4NY ASP	02/15	02/15	P/P
0	CQ06052	LCS		50	12	50	<2	0.5 mL ea	02/15	02/15	P/P
0	CQ06052	LCSD		50	12	50	<2	0.5 mL ea	02/15	02/15	P/P
0	CQ06052	MS		50	12	50	<2	0.5 mL ea	02/15	02/15	P/P
0	CQ06052	DUP		50	12	50	<2		02/15	02/15	P/P
1	CQ06052 - 3	TMD-WM	ICP2	50	12	50	<2	NY ASP C	02/15	02/15	P/P
2	CQ07345 - 9	TMD-WM	ICP19 ICPMS3	50	12	50	<2		02/15	02/15	P/P
3	CQ07362 - 9	TMD-WM	ICP19 ICPMS3	50	12	50	<2		02/15	02/15	P/P
4	CQ07363 - 9	TMD-WM	ICP19 ICPMS3	50	12	50	<2		02/15	02/15	P/P
5	CQ07364 - 9	TMD-WM	ICP19 ICPMS3	50	12	50	<2		02/15	02/15	P/P
6	CQ07365 - 8	TMD-WM	ICP19 ICPMS3	50	12	50	<2		02/15	02/15	P/P
7	CQ07685 - 6	TMD-WM	ICP8	50	12	50	<2		02/15	02/15	P/P
8	CQ07686 - 1	TMD-WM	ICP8	50	12	50	<2		02/15	02/15	P/P
9	CQ07902 - 4	TMD-WM	AA1 ICP4	50	12	50	<2	DO NOT	02/15	02/15	P/P
10	CQ07903 - 4	TMD-WM	AA1 ICP4	50	12	50	<2	DO NOT	02/15	02/15	P/P
11	CQ08001 - 5	TMD-WM	ICP12 ICPMS1	50	12	50	<2		02/15	02/15	P/P
12	CQ08204	TMD-WM	ICP8 HG	-	12	-	7		02/15	02/15	P/P
13	CQ08216 - 4	TMD-WM	ICP1	50	12	50	<2		02/15	02/15	P/P
14	CQ08217 - 4	TMD-WM	ICP1	50	12	50	<2		02/15	02/15	P/P
15	CQ08218 - 4	TMD-WM	ICP1	50	12	50	<2		02/15	02/15	P/P
16	CQ08219 - 4	TMD-WM	ICP1	50	12	50	<2		02/15	02/15	P/P
17	CQ08220 - 4	TMD-WM	ICP1	50	12	50	<2		02/15	02/15	P/P
18	CQ08221 - 4	TMD-WM	ICP1	50	12	50	<2		02/15	02/15	P/P

QC Rpt Cmmt

Prep Comment Metals: Ag6, Al7, As6, Ba6, Be6, Ca5, Cd8, Co5, Cr8, Cu9, Fe8, K5, Mg5, Mn6, Na5, Ni10, Pb14, Sb1, Se1, Sn2, V6, Zn10 ||

Post Comment

Surrogate Id #

Tracking #

Time In 19:30

Spike #

Tracking #

Time Out 0:30

LCSID #

Tracking #

Temp 96.4

Standards

Time Basic

Vendor Id	Item ID	Phoenix Lot Number	Vendor Lot Number	Expiration Date
Absolute Stand	Zirconium (Zr)			
Fisher	Hydrochloric Acid	S#I5H	4123090	02/11/25
Fisher	Nitric Acid	S#HXW	1123080	02/14/25
Inorganic Ventu	Second Source 1	S#HAO	U2-MEB729356	02/11/25
Inorganic Ventu	Second Source 2	S#HAX	U2-MEB731679	02/05/25
Inorganic Ventu	TUNGSTEN 1000PPM 125ml			
Inorganic Ventu	Zirconium 1000ppm			
Phoenix	100 PPM Gold HCL 125mL			
VWR	NITRIC ACID			

!!! Same Day * Rush 24 ** Rush
03/19/2024

Phoenix Environmental Laboratories, Inc.

2/28/2024 4:43:06 PM
Page 141 of 172



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Preferred Environmental Services

SID HARVEY

Laboratory Project: GCQ06052

General Chemistry
Ver 1

Inorganic Data Flags

- C (Concentration) Qualifiers:

- J – The reported value was obtained from a reading that was less than the Reporting Level (RL) but greater than or equal to the Instrument Detection Limit (IDL)
- U – The analyte was analyzed for but not detected at or above the IDL

- Q Qualifiers:

- E - The reported value is estimated because of the presence of interference. An explanatory note shall be included in the project narrative (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M- Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

- M (Method) Qualifiers:

- "P" - ICP
- "A" - Flame AA
- "F" - Furnace AA
- "PM" - ICP when Microwave Digestion is used
- "AM" - Flame AA when Microwave Digestion is used
- "FM" - Furnace AA when Microwave Digestion is used
- "CV" - Manual Cold Vapor AA
- "AV" - Automated Cold Vapor AA
- "CA" - Midi-Distillation Spectrophotometric
- "AS" - Semi-Automated Spectrophotometric
- "C" - Manual Spectrophotometric
- "T" - Titrimetric
- " " - where no data have been entered
- "NR" - the analyte is not required to be analyzed
- "G" - Gravimetric



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCQ06052

General Chemistry Conformance / Non-Conformance Summary

Project ID / Client ID: SID HARVEY, Preferred Environmental Services

Form 1 (Analysis):

The following samples/analytes were flagged for non-compliance:
Sample CQ06052 was received past hold time for Nitrite and for Nitrate as Nitrogen (E300.0).

Form 2A (Initial & Continuing Calibration Verification):

All Initial and Continuing Calibrations met criteria with the following exceptions: None.

Form 3 (Continuing and Preparation Blanks):

All Continuing and Preparation Blanks were Non-Detect with the following exceptions: None.

Form 5 (Matrix Spikes):

All Matrix Spikes met criteria with the following exceptions: None.

Form 6 (Duplicates):

All Sample Duplicates met criteria with the following exceptions: None.

Form 7 (Laboratory Control Samples):

All Laboratory Control Samples met criteria with the following exceptions: None.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

03/13/24

Alejandro Paredes
Project Manager

MW-6I

Lab Name:	Phoenix Environmental Labs	Client:	PREFRDNY
Lab Code:	Phoenix	SDG No.:	GCQ06052
Lab Sample Id:	CQ06052	Sample Matrix:	GROUND WATER
Date Received:	2/12/2024	Percent Solids:	n.a.

[illegible]

SDG: GCQ06052

SDG: GCQ06052[illegible]

5A
GENERAL CHEMISTRY SPIKE SAMPLE RECOVERY

Lab Name: Phoenix Environmental Labs

Client: PREFRDNY

Lab Code: Phoenix

SDG No.: GCQ06052

[illegible]

Comments:

Client: PREFRDNY

SDG No.: GCQ06052

[illegible]

Client: PREFRDNY

SDG No.: GCQ06052

[illegible]

14
GENERAL CHEMISTRY ANALYSIS RUN LOG

Lab Name:	Phoenix Environmental Labs	Client:	PREFRDNY
Lab Code:	Phoenix	SDG:	GCQ06052
Instrument:	IC	Method:	IC
Start Date:	02/12/24 18:29	End Date:	02/12/24 23:47

Sequence File: P:\ICData\DIONEX-BACKUP120\Sequence\February 2024\021224_#1_A.seq\

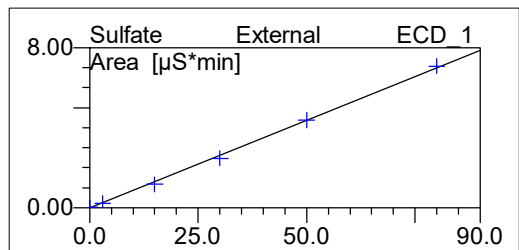
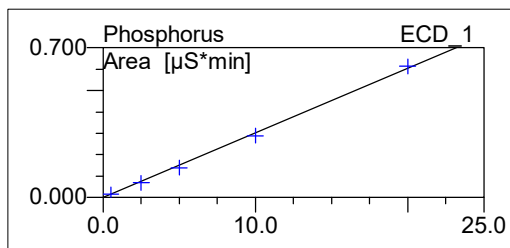
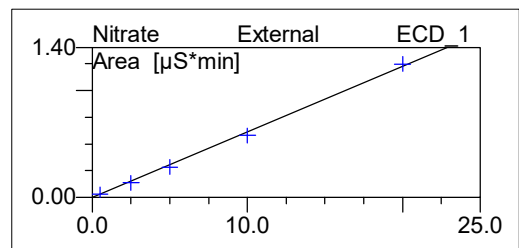
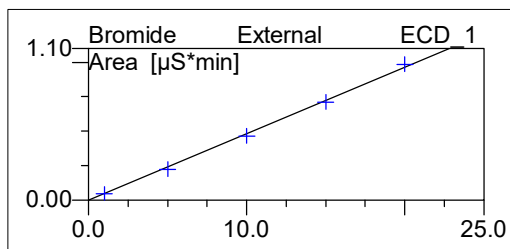
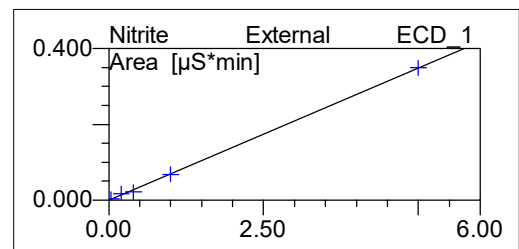
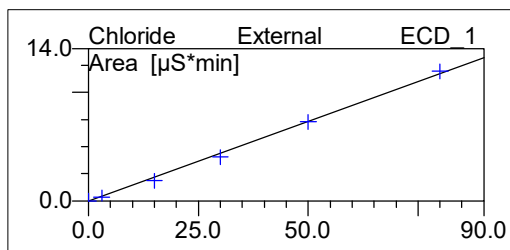
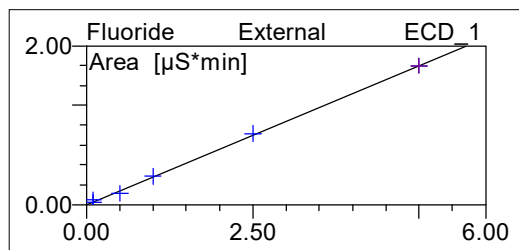
Lab Sample ID	Client Sample ID	D/F	Time	Analytes																	
				No2	No3	So4	Cl														
Standard F	Standard F		18:29	X	X	X															
Standard E	Standard E		18:37	X	X	X															
Standard D	Standard D		18:46	X	X	X															
Standard C	Standard C		18:54	X	X	X															
Standard B X	Standard B X		19:03	X	X	X															
Standard A	Standard A		19:11	X	X	X															
CQ05924 LCS	CQ05924 LCS		19:20	X	X	X															
CALCHK C	CC		19:28	X	X	X															
LFB	LFB		19:37																		
CQ05924 BLK	CB		19:45	X	X	X															
CQ05484	CQ05484		19:54																		
CQ05486	CQ05486		20:02																		
CQ05569	CQ05569		20:10																		
CQ05570	CQ05570		20:18																		
CQ05583	CQ05583		20:26																		
CQ05585	CQ05585		20:34																		
CQ05817	CQ05817		20:42																		
CQ05898	CQ05898		20:50																		
CQ05923	CQ05923		20:58																		
CQ05924	CQ05924		21:06																		
CALCHK C	CC		21:14	X	X	X															
CALBLK	CB		21:22	X	X	X															
CQ06161	CQ06161		21:30																		
CQ06052	CQ06052		21:38	X	X	X															
CQ04935	CQ04935		21:46																		
CQ04936	CQ04936		21:54																		
Standard E	Standard E		22:03	X	X	X															
Standard B	Standard B		22:11	X	X	X															
CQ05484	CQ05484		22:19																		
CQ05486	CQ05486		22:24																		
CQ05924 DUP	CQ05924 DUP		22:48	X	X	X															
CQ05583	CQ05583		22:59																		
CQ05583	CQ05583		23:07																		
CQO6161	CQO6161		23:15																		
CQ05924 MS	CQ05924 MS		23:23	X	X	X															
LCS # 1	LCS # 1		23:31																		
CALCHK C	CC		23:39	X	X	X															
PB	CB		23:47	X	X	X															

[illegible]

8**021224 #1 A**

Sample Name: **Standard A**
 Vial Number: **6**
 Sample Type: **standard**
 Control Program: **EPA 300_0**
 Quantif. Method: **EPA 300_0**
 Recording Time: **2/12/2024 19:11**
 Run Time (min): **7.50**

Injection Volume: **25.0**
 Channel: **ECD_1**
 Wavelength: **n.a.**
 Bandwidth: **n.a.**
 Dilution Factor: **1.0000**
 Sample Weight: **1.0000**
 Sample Amount: **1.0000**



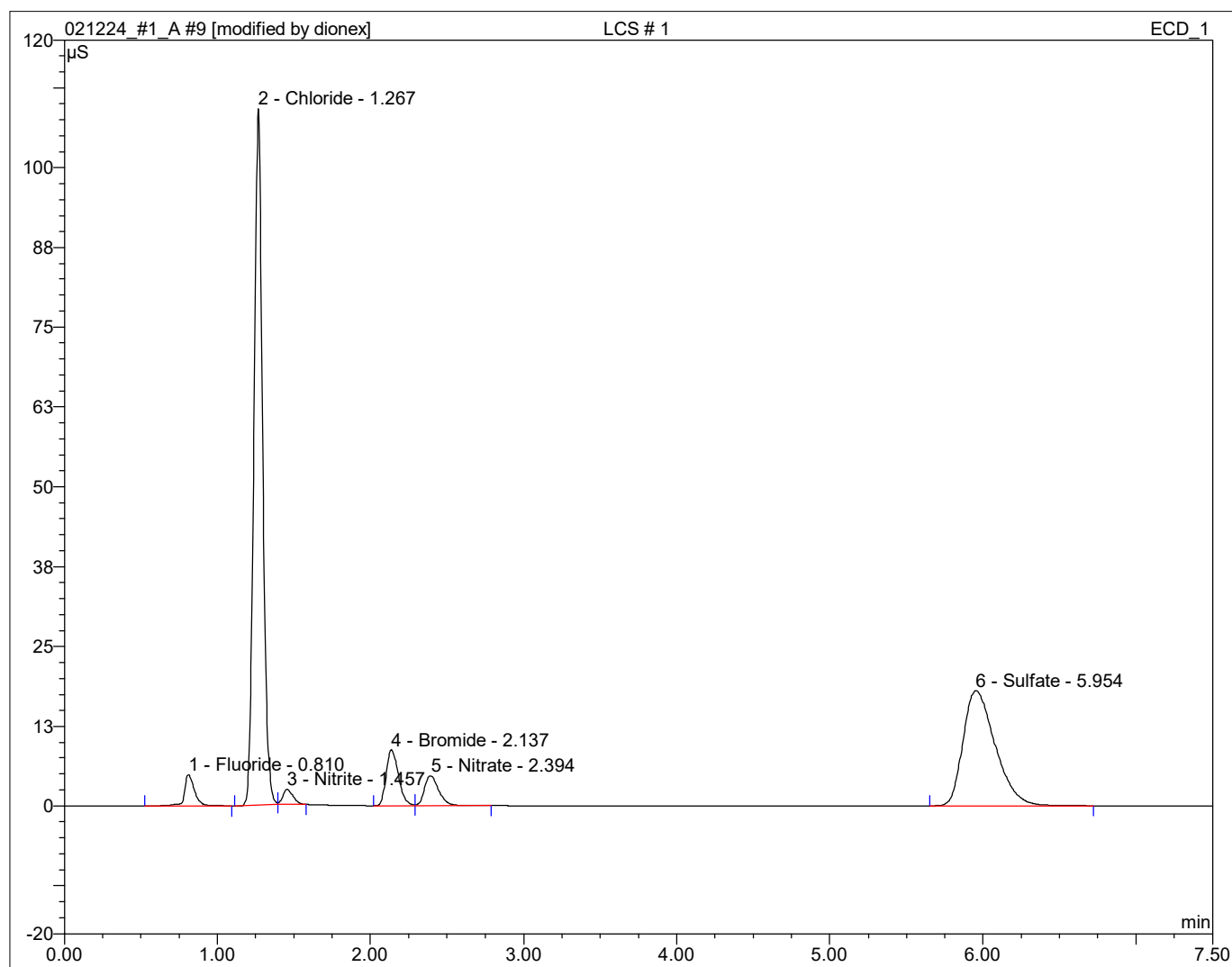
No.	Ret.Time min	Peak Name	Cal.Type	Points	Corr.Coeff. %	Offset	Slope	Curve
1	0.82	Fluoride	Lin	6	99.9560	0.0000	0.3504	0.0000
2	1.30	Chloride	Lin	6	99.8677	0.0000	0.2582	0.0000
3	1.46	Nitrite	Lin	6	99.9886	0.0000	0.1073	0.0000
4	2.13	Bromide	Lin	6	99.8903	0.0000	0.0877	0.0000
5	2.38	Nitrate	Lin	6	99.9990	0.0000	0.1069	0.0000
6	5.83	Sulfate	Lin	7	99.8677	0.0000	0.1608	0.0000
Average:					99.9282	0.0000	0.1785	0.0000

021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
LCS # 1				LCS #1	LCS #2	CALCHK C	LFB	CALCHK D
Dilution: 1.0000	Fluoride	1.0571	1.06	105.7	23.9	105.7	84.6	14.1
	Chloride	27.5995	27.60	92.0	276.0	92.0	110.4	184.0
	Nitrite	1.7063	0.5119	102.4	204.8	426.6	682.5	853.1
	Bromide	9.2516	9.25	92.5	185.0	92.5	123.4	185.0
	Nitrate	4.7297	1.0689	94.6	236.5	945.9	315.3	189.2
02-12-24 19:20	Sulfate	27.3446	27.34	91.1	273.4	91.1	109.4	182.3

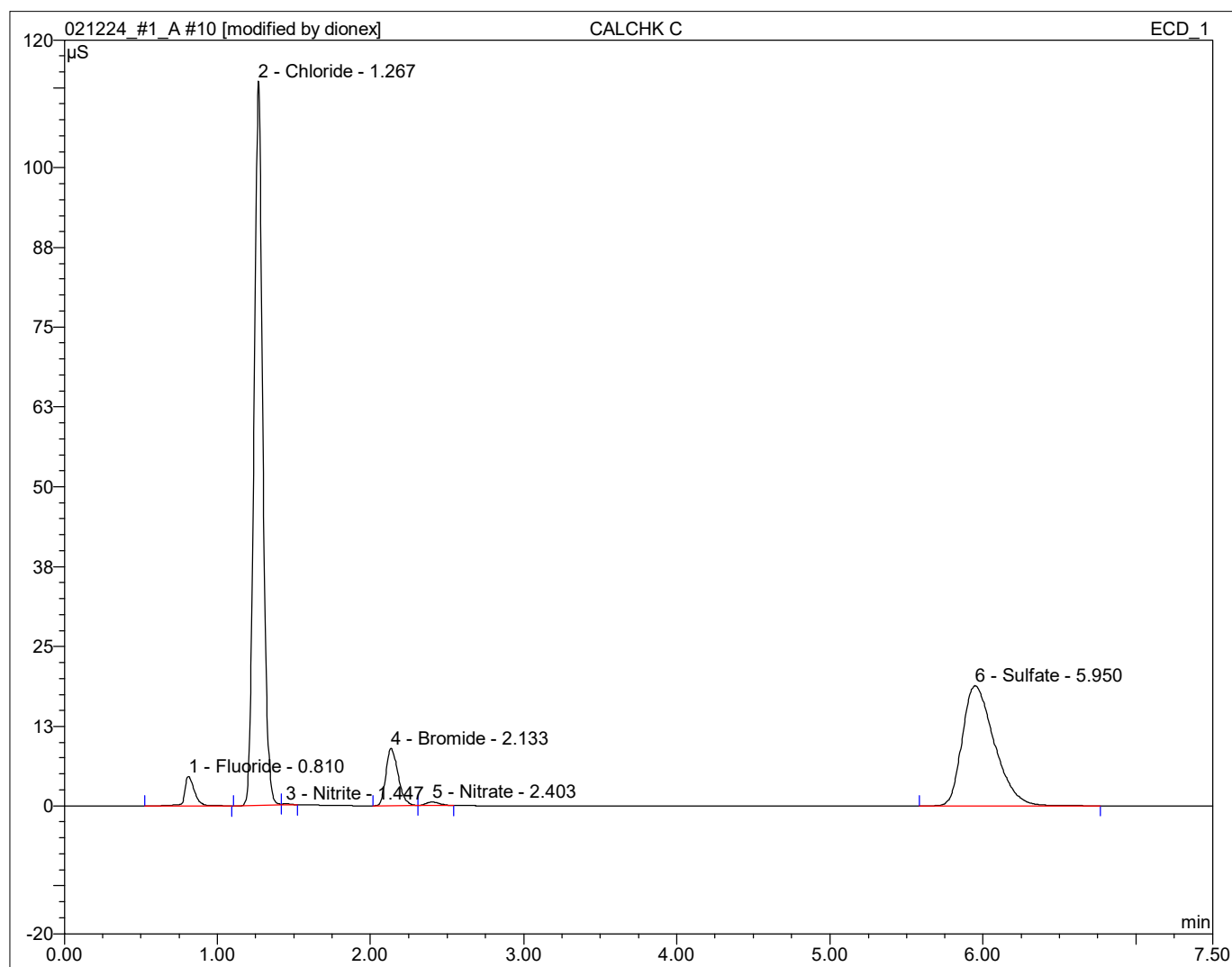


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALCHK C				LCS #1	LCS #2	CALCHK C	LFB	CALCHK D
Dilution: 1.0000	Fluoride	0.9696	0.97	97.0	23.9	97.0	77.6	12.9
	Chloride	28.8587	28.86	96.2	288.6	96.2	115.4	192.4
	Nitrite	0.1044	0.0313	6.3	12.5	26.1	41.8	52.2
	Bromide	9.4294	9.43	94.3	188.6	94.3	125.7	188.6
	Nitrate	0.5231	0.1182	10.5	26.2	104.6	34.9	20.9
02-12-24 19:28	Sulfate	28.4181	28.42	94.7	284.2	94.7	113.7	189.5

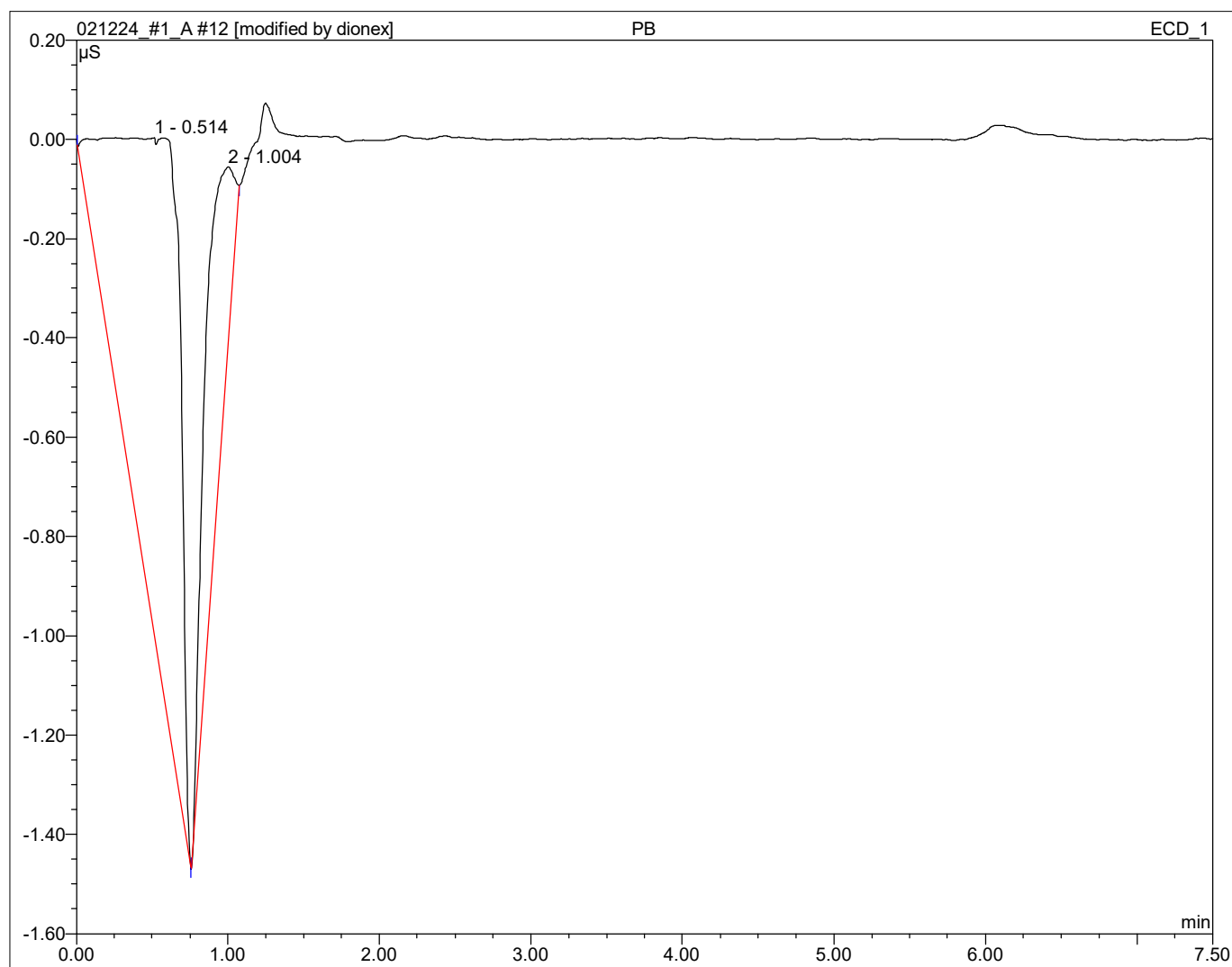


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id PB	Analyte	Amount	Result	% LCS #1	% LCS #2	% CALCHK C	% LFB	% CALCHK D
Dilution: 1.0000	Fluoride	n.a.			23.9			
	Chloride	n.a.						
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	n.a.						
02-12-24 19:45	Sulfate	n.a.						

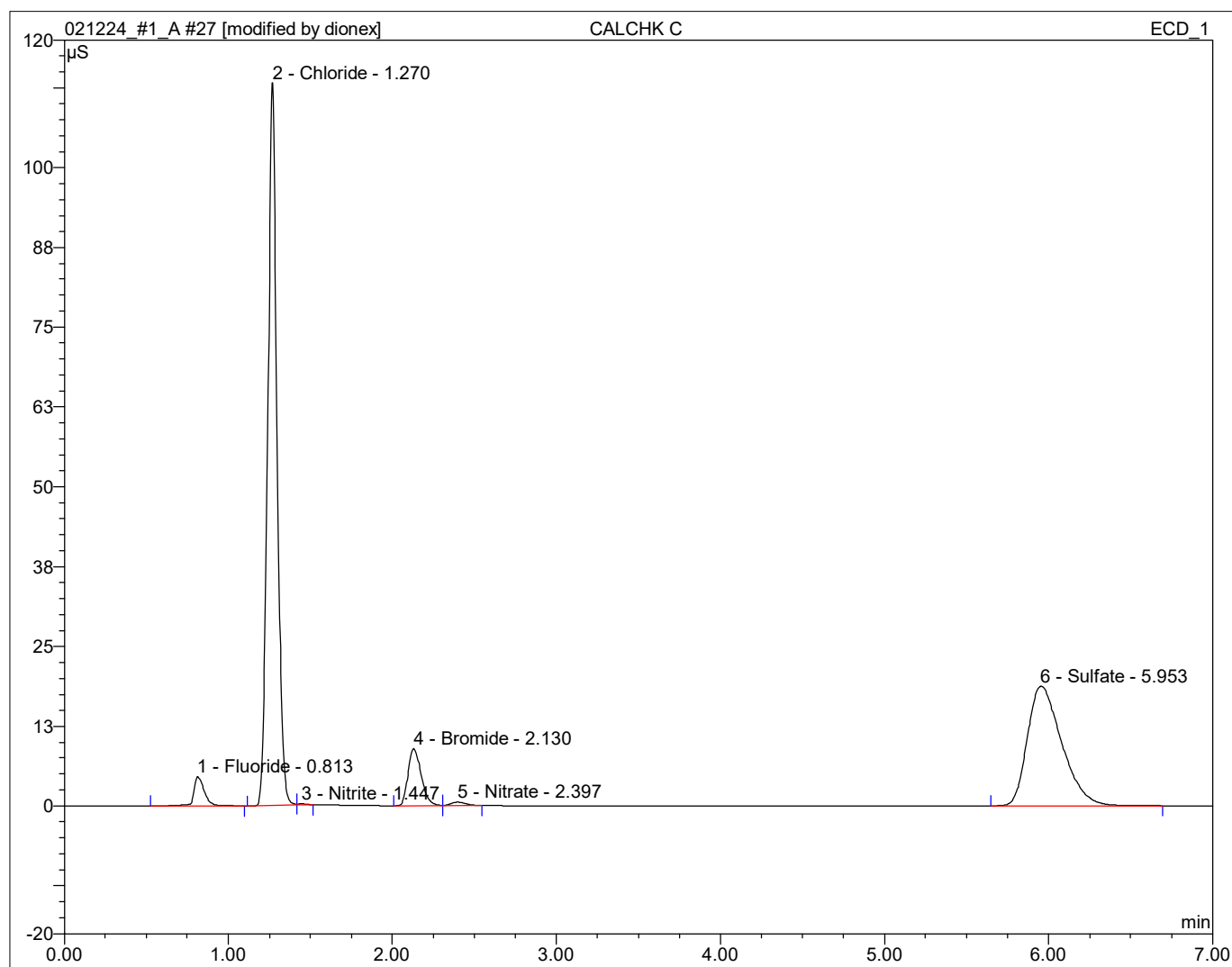


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALCHK C				LCS #1	LCS #2	CALCHK C	LFB	CALCHK D
Dilution: 1.0000	Fluoride	0.9965	1.00	99.6	23.9	99.6	79.7	13.3
	Chloride	28.8246	28.82	96.1	288.2	96.1	115.3	192.2
	Nitrite	0.0941	0.0282	5.7	11.3	23.5	37.7	47.1
	Bromide	9.4668	9.47	94.7	189.3	94.7	126.2	189.3
	Nitrate	0.5447	0.1231	10.9	27.2	108.9	36.3	21.8
02-12-24 21:14	Sulfate	28.3410	28.34	94.5	283.4	94.5	113.4	188.9

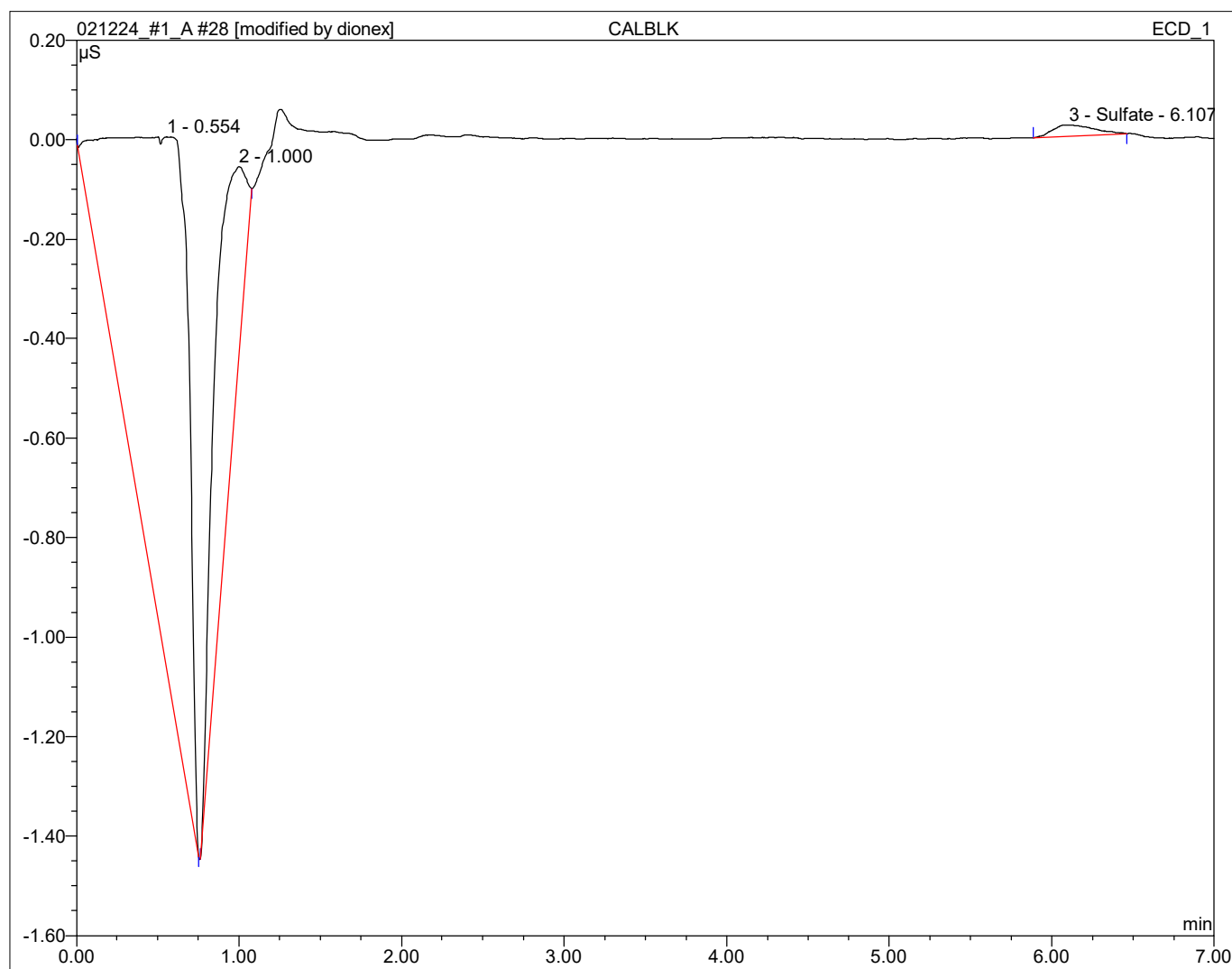


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALBLK				LCS #1	LCS #2	CALCHK C	LFB	CALCHK D
Dilution: 1.0000	Fluoride	n.a.			23.9			
	Chloride	n.a.						
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	n.a.						
02-12-24 21:22	Sulfate	0.0403	0.04	0.1	0.4	0.1	0.2	0.3

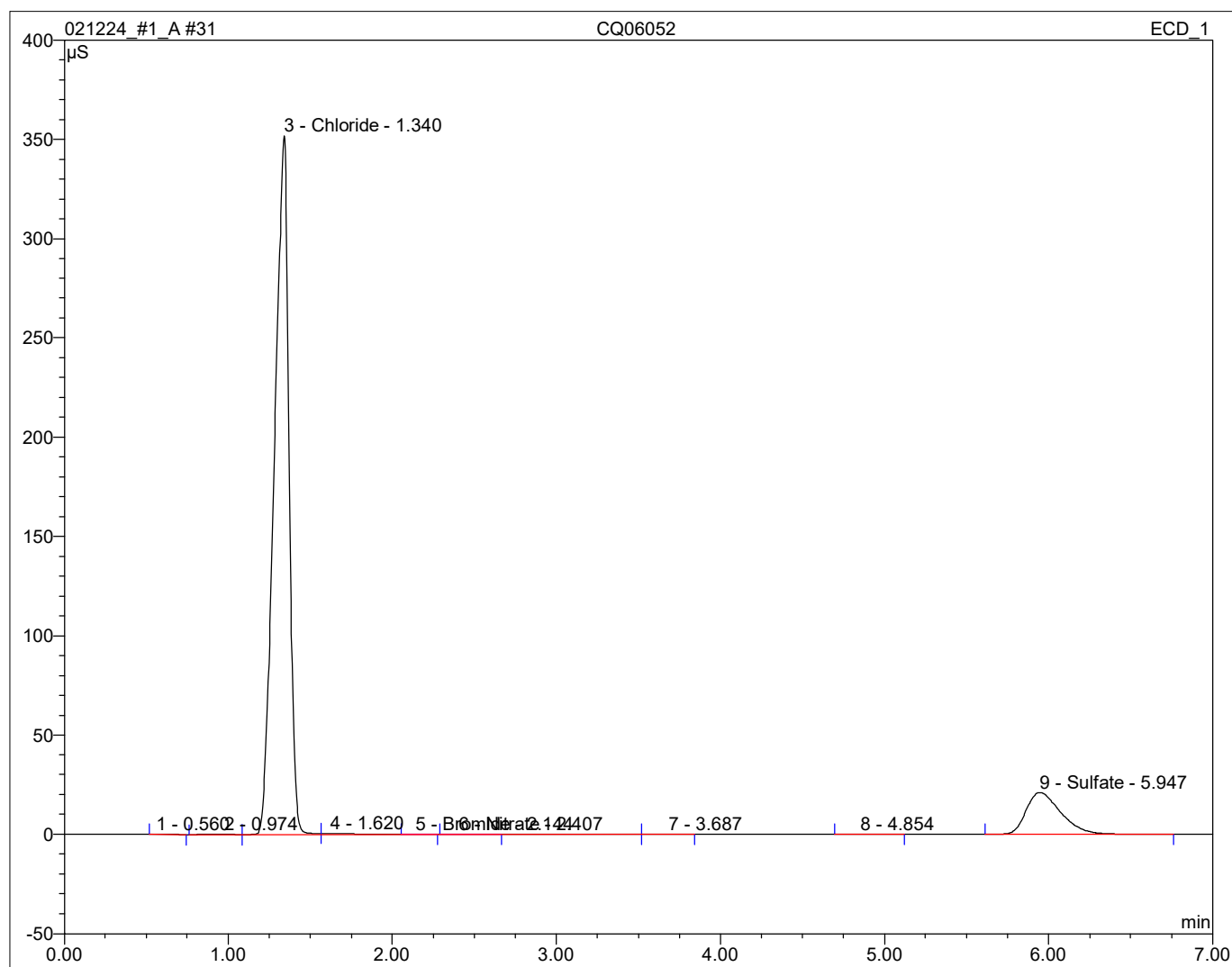


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CQ06052				LCS #1	LCS #2	CALCHK C	LFB	CALCHK D
Dilution: 1.0000	Fluoride	n.a.			23.9			
	Chloride	141.2640	141.26	470.9	1412.6	470.9	565.1	941.8
	Nitrite	n.a.						
	Bromide	0.0699	0.07	0.7	1.4	0.7	0.9	1.4
	Nitrate	0.0760	0.0172	1.5	3.8	15.2	5.1	3.0
02-12-24 21:38	Sulfate	31.7269	31.73	105.8	317.3	105.8	126.9	211.5

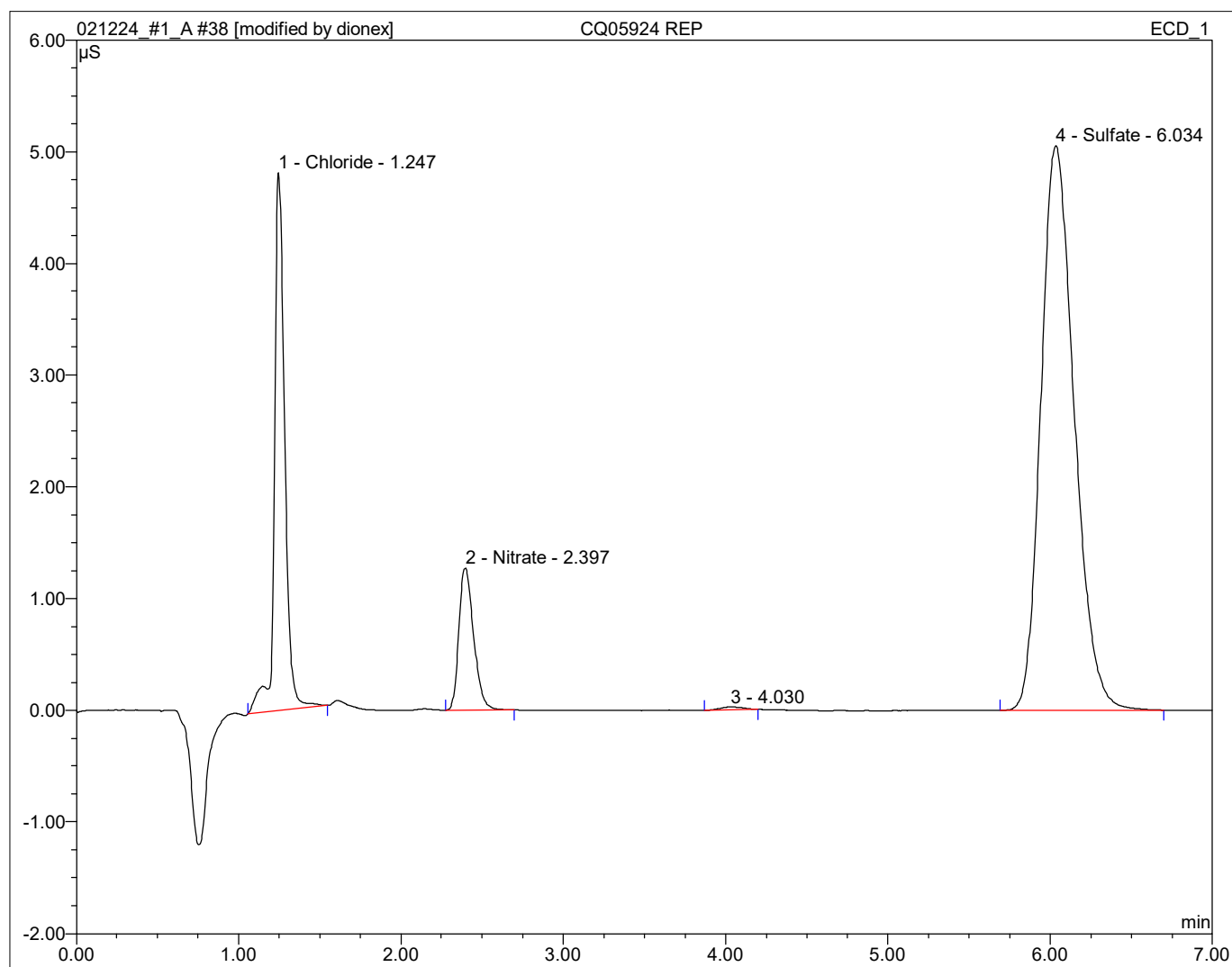


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CQ05924 REP				LCS #1	LCS #2	CALCHK C	LFB	CALCHK D
Dilution: 1.0000	Fluoride	n.a.			23.9			
	Chloride	1.3740	1.37	4.6	13.7	4.6	5.5	9.2
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	1.2503	0.2826	25.0	62.5	250.1	83.4	50.0
02-12-24 22:48	Sulfate	7.4550	7.45	24.8	74.5	24.8	29.8	49.7

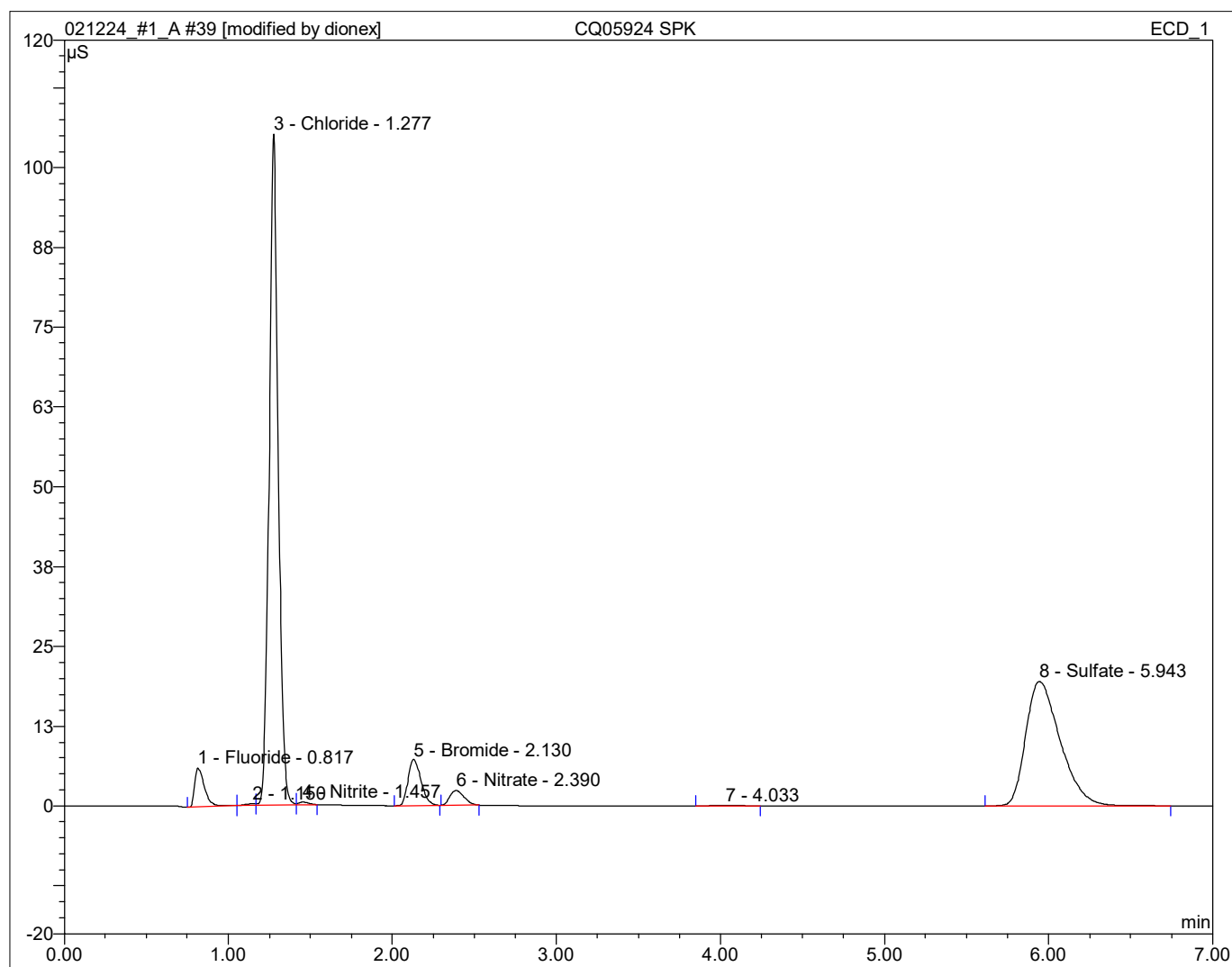


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CQ05924 SPK				LCS #1	LCS #2	CALCHK C	LFB	CALCHK D
Dilution: 2.0000	Fluoride	2.4122	2.41	241.2	23.9	241.2	193.0	32.2
	Chloride	52.5533	52.55	175.2	525.5	175.2	210.2	350.4
	Nitrite	0.5430	0.1629	32.6	65.2	135.8	217.2	271.5
	Bromide	14.9366	14.94	149.4	298.7	149.4	199.2	298.7
	Nitrate	4.2829	0.9679	85.7	214.1	856.6	285.5	171.3
02-12-24 23:23	Sulfate	58.9362	58.94	196.5	589.4	196.5	235.7	392.9

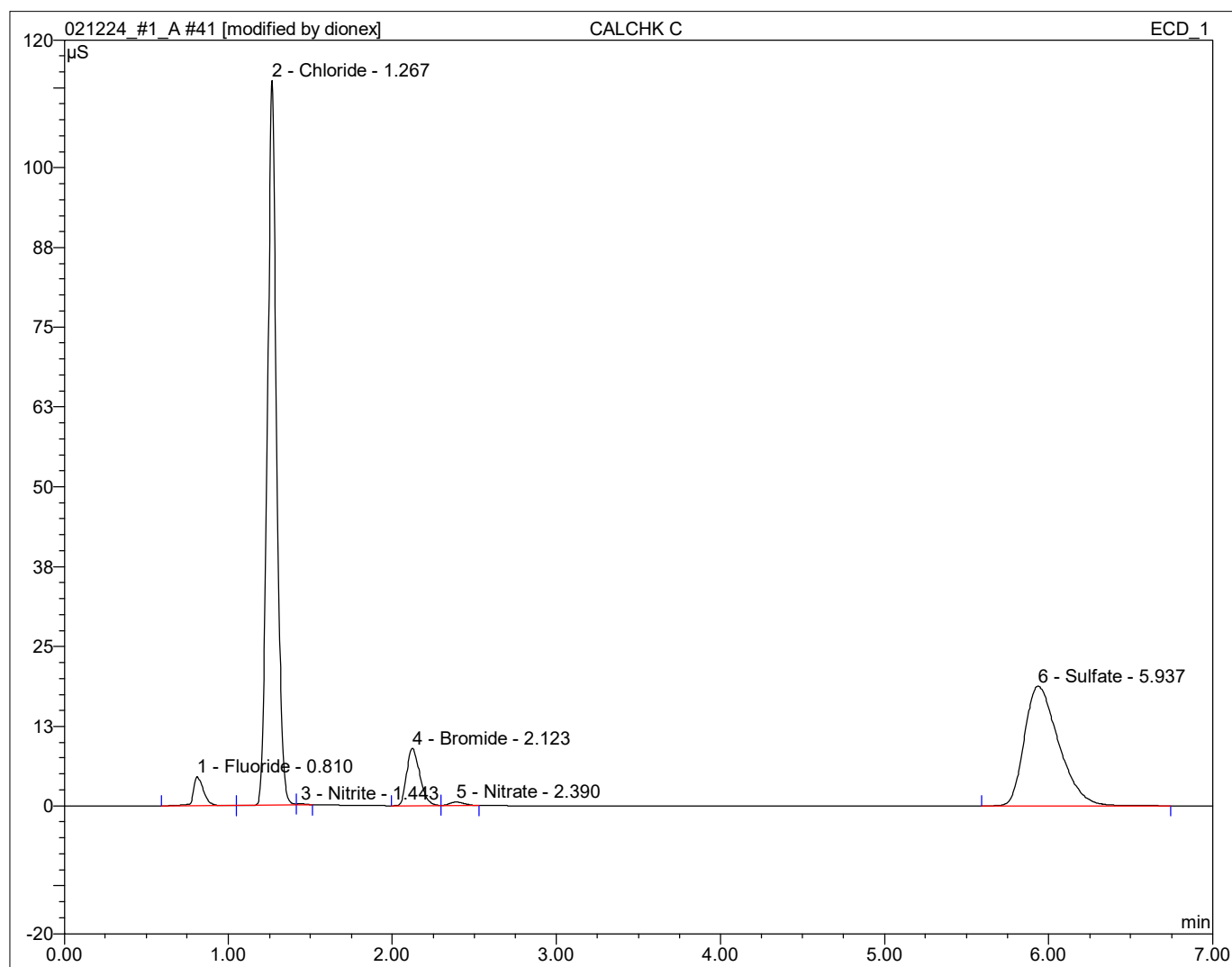


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id	Analyte	Amount	Result	%	%	%	%	%
CALCHK C				LCS #1	LCS #2	CALCHK C	LFB	CALCHK D
Dilution: 1.0000	Fluoride	0.8820	0.88	88.2	23.9	88.2	70.6	11.8
	Chloride	28.6754	28.68	95.6	286.8	95.6	114.7	191.2
	Nitrite	0.0981	0.0294	5.9	11.8	24.5	39.2	49.0
	Bromide	9.4457	9.45	94.5	188.9	94.5	125.9	188.9
	Nitrate	0.5374	0.1215	10.7	26.9	107.5	35.8	21.5
02-12-24 23:39	Sulfate	28.3214	28.32	94.4	283.2	94.4	113.3	188.8

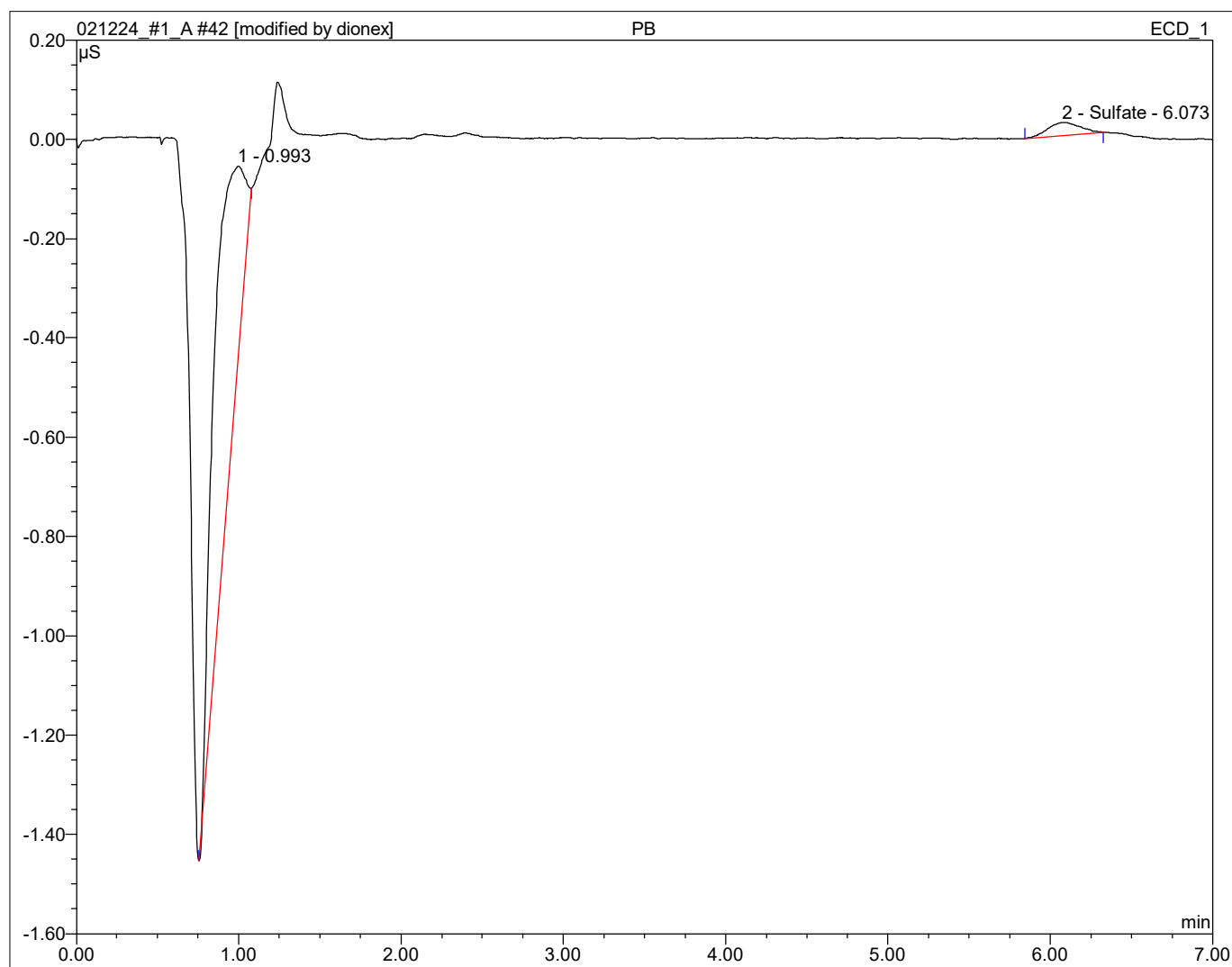


021224_#1_A

IC Data Sheet

EPA Method 300.0

Sample Id PB	Analyte	Amount	Result	% LCS #1	% LCS #2	% CALCHK C	% LFB	% CALCHK D
Dilution: 1.0000	Fluoride	n.a.			23.9			
	Chloride	n.a.						
	Nitrite	n.a.						
	Bromide	n.a.						
	Nitrate	n.a.						
02-12-24 23:47	Sulfate	0.0384	0.04	0.1	0.4	0.1	0.2	0.3



Report Information

Schedule: 20240213 L
Report Date: 2/13/2024 8:16:08 AM
Instrument: Lotix - 2 Method SM5310B
Method: TOC
Sample Source: Lotix Autosampler
Calibration: 12/8/2023 9:53:56 AM
Software Ver: 3.3.7431.18150
Comment:

Schedule Summary

Pos	Sample Type	ID	ppm	Std Dev	%RSD
1	Sample (TOC)	10 ppm	9.946	0.459	4.617
2	Sample (TOC)	LCS 8.66 PPM	7.688	0.430	5.588
3	Sample (TOC)	DOC FILTER BLANK	0.066	0.033	50.624
4	Sample (TOC)	TOC LDL 0.5ppm	0.377	0.070	18.648
5	Sample (TOC)	BLANK	-0.054	0.037	68.261
6	Sample (TOC)	CQ05738 TOC-LDLW	1.378	0.299	21.667
7	Sample (TOC)	CQ05738 TOC-LDLW REP	1.369	0.339	24.771
8	Sample (TOC)	CQ05738 TOC-LDLW SPK	6.252	0.150	2.403
9	Sample (TOC)	CQ06052 TOC-WM 5X	0.593	0.058	9.716
10	Sample (TOC)	CQ05734 TOC-LDLW 2X	3.294	0.110	3.328
11	Sample (TOC)	CQ05735 DOC-WM	2.898	0.097	3.335
12	Sample (TOC)	CQ05735 TOC-LDLW	2.972	0.094	3.148
13	Sample (TOC)	CQ06052 TOC-WM	3.693	0.157	4.252
14	Sample (TOC)	CQ05736 TOC-LDLW	6.894	0.111	1.607
15	Sample (TOC)	CQ05737 DOC-WM	5.349	0.260	4.854
16	Sample (TOC)	CQ05737 TOC-LDLW	5.403	0.144	2.670
17	Sample (TOC)	CQ05739 TOC-LDLW	2.595	0.116	4.479
18	Sample (TOC)	CQ05740 TOC-LDLW	4.959	0.275	5.550
19	Sample (TOC)	CQ05741 DOC-WM	1.718	0.255	14.849
20	Sample (TOC)	LCS 8.66 PPM	8.815	0.404	4.588
21	Sample (TOC)	10 PPM	9.635	0.605	6.279
22	Sample (TOC)	BLANK	-0.034	0.011	33.588
23	Sample (TOC)	CQ05741 TOC-LDLW	1.667	0.060	3.625
24	Sample (TOC)	CQ05742 TOC-LDLW	3.161	0.226	7.163
25	Sample (TOC)	CQ05743 DOC-WM	1.859	0.180	9.674
26	Sample (TOC)	CQ05743 TOC-LDLW	1.965	0.093	4.755
27	Sample (TOC)	CQ05744 TOC-LDLW	0.466	0.092	19.668
28	Sample (TOC)	CQ05745 TOC-LDLW 2X	7.704	0.137	1.775
29	Sample (TOC)	CQ05746 DOC-WM	3.316	0.170	5.117
30	Sample (TOC)	CQ05746 TOC-LDLW	3.195	0.294	9.192
1	Sample (TOC)	CQ05747 TOC-LDLW	7.449	0.155	2.081
2	Sample (TOC)	CQ05748 DOC-WM	2.241	0.043	1.939
3	Sample (TOC)	CQ05748 TOC-LDLW	2.404	0.082	3.426
4	Sample (TOC)	10 ppm	9.458	0.404	4.269
5	Sample (TOC)	BLANK	0.035	0.033	94.609

Sample Details

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
1	Sample (TOC)	10 ppm	9.946	2296.642	0.459	4.617	08:19	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	9.430		2182.310	3.371	02:54		
2	TOC	10.095		2329.772	3.139	03:14		
3	TOC	10.311		2377.843	3.835	03:19		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
2	Sample (TOC)	LCS 8.66 PPM	7.688	1795.865	0.430	5.588	08:34	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	7.213		1690.309	2.955	02:55		
2	TOC	7.805		1821.626	3.268	02:58		
3	TOC	8.048		1875.661	3.194	03:32		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
3	Sample (TOC)	DOC FILTER BLANK	0.066	104.543	0.033	50.624	08:49	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	0.075		106.543	2.245	02:49		
2	TOC	0.093		110.699	2.251	02:48		
3	TOC	0.029		96.388	2.354	02:51		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
4	Sample (TOC)	TOC LDL 0.5ppm	0.377	173.552	0.070	18.648	09:03	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	0.297		155.962	2.657	02:44		
2	TOC	0.401		179.077	2.424	02:55		
3	TOC	0.431		185.617	1.909	02:56		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
5	Sample (TOC)	BLANK	-0.054	77.945	0.037	68.261	09:17	90.000
Rep #	Analysis Type	ppm		NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)		
1	TOC	-0.037		81.812	1.967	02:48		
2	TOC	-0.029		83.528	1.993	03:04		
3	TOC	-0.097		68.495	2.159	02:52		

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
6	Sample (TOC)	CQ05738 TOC-LDLW	1.378	395.794	0.299	21.667	09:32	90.000

Lotix Report: Samples Schedule



Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)
1	TOC	1.715	470.499	2.331	02:57
2	TOC	1.274	372.731	2.323	02:57
3	TOC	1.145	344.152	1.980	02:57

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
7	Sample (TOC)	CQ05738 TOC-LDLW REP	1.369	393.736	0.339	24.771	09:46	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	1.753	478.979	2.021	02:44			
2	TOC	1.242	365.645	2.065	02:55			
3	TOC	1.111	336.585	2.130	03:04			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
8	Sample (TOC)	CQ05738 TOC-LDLW SPK	6.252	1477.114	0.150	2.403	10:01	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	6.315	1491.095	2.008	02:42			
2	TOC	6.360	1501.185	1.824	02:58			
3	TOC	6.080	1439.062	2.145	03:03			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
9	Sample (TOC)	CQ06052 TOC-WM 5X	0.593	221.605	0.058	9.716	10:15	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	0.650	234.139	1.818	03:11			
2	TOC	0.595	222.097	2.020	02:50			
3	TOC	0.534	208.579	2.049	02:58			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
10	Sample (TOC)	CQ05734 TOC-LDLW 2X	3.294	820.934	0.110	3.328	10:29	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	3.171	793.470	1.989	03:16			
2	TOC	3.333	829.554	1.983	03:02			
3	TOC	3.379	839.776	1.971	03:07			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
11	Sample (TOC)	CQ05735 DOC-WM	2.898	732.997	0.097	3.335	10:44	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	2.787	708.255	1.998	02:58			
2	TOC	2.958	746.207	2.032	03:03			
3	TOC	2.950	744.528	1.969	03:06			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
12	Sample (TOC)	CQ05735 TOC-LDLW	2.972	749.341	0.094	3.148	10:59	90.000

Lotix Report: Samples Schedule



Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)
1	TOC	2.864	725.512	1.837	03:03
2	TOC	3.015	759.008	2.145	03:10
3	TOC	3.036	763.503	2.146	03:12

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
13	Sample (TOC)	CQ06052 TOC-WM	3.693	909.482	0.157	4.252	11:14	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	3.626	894.571	2.308	02:52			
2	TOC	3.873	949.302	1.870	03:08			
3	TOC	3.581	884.571	2.095	03:05			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
14	Sample (TOC)	CQ05736 TOC-LDLW	6.894	1619.542	0.111	1.607	11:29	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	6.935	1628.604	2.063	02:45			
2	TOC	6.978	1638.307	1.985	03:01			
3	TOC	6.768	1591.717	2.183	03:07			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
15	Sample (TOC)	CQ05737 DOC-WM	5.349	1276.705	0.260	4.854	11:43	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	5.049	1210.202	2.015	03:06			
2	TOC	5.495	1309.172	2.224	03:10			
3	TOC	5.502	1310.742	2.226	03:02			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
16	Sample (TOC)	CQ05737 TOC-LDLW	5.403	1288.802	0.144	2.670	11:58	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	5.245	1253.738	2.152	02:48			
2	TOC	5.528	1316.472	2.141	03:04			
3	TOC	5.436	1296.196	2.413	03:07			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
17	Sample (TOC)	CQ05739 TOC-LDLW	2.595	665.685	0.116	4.479	12:13	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	2.728	695.240	1.915	03:03			
2	TOC	2.542	654.046	2.248	03:23			
3	TOC	2.514	647.770	1.904	03:03			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
18	Sample (TOC)	CQ05740 TOC-LDLW	4.959	1190.232	0.275	5.550	12:28	90.000

Lotix Report: Samples Schedule



Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)
1	TOC	5.218	1247.725	2.311	02:53
2	TOC	4.989	1196.835	2.193	03:15
3	TOC	4.670	1126.135	2.047	03:07

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
19	Sample (TOC)	CQ05741 DOC-WM	1.718	471.229	0.255	14.849	12:43	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	2.002	534.144	2.093	02:44			
2	TOC	1.646	455.128	2.157	03:08			
3	TOC	1.507	424.416	1.952	03:12			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
20	Sample (TOC)	LCS 8.66 PPM	8.815	2045.803	0.404	4.588	12:57	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	8.355	1943.851	2.130	02:56			
2	TOC	8.973	2080.773	2.568	03:06			
3	TOC	9.117	2112.785	2.289	03:11			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
21	Sample (TOC)	10 PPM	9.635	2227.764	0.605	6.279	13:12	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	8.939	2073.378	2.150	02:48			
2	TOC	10.037	2316.920	2.000	03:02			
3	TOC	9.929	2292.996	2.115	03:08			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
22	Sample (TOC)	BLANK	-0.034	82.487	0.011	33.588	13:27	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	-0.046	79.694	2.363	02:45			
2	TOC	-0.031	83.165	2.051	02:50			
3	TOC	-0.024	84.603	1.879	02:54			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
23	Sample (TOC)	CQ05741 TOC-LDLW	1.667	459.769	0.060	3.625	13:41	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	1.717	470.899	2.000	02:42			
2	TOC	1.683	463.519	1.785	02:58			
3	TOC	1.600	444.889	2.028	02:59			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
24	Sample (TOC)	CQ05742 TOC-LDLW	3.161	791.231	0.226	7.163	13:55	90.000

Lotix Report: Samples Schedule



Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)
1	TOC	3.420	848.708	1.910	02:49
2	TOC	3.061	769.210	2.195	03:06
3	TOC	3.001	755.775	1.985	03:38

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
25	Sample (TOC)	CQ05743 DOC-WM	1.859	502.375	0.180	9.674	14:10	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	2.064	547.893	1.627	02:48			
2	TOC	1.784	485.762	2.192	03:17			
3	TOC	1.728	473.471	2.056	03:06			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
26	Sample (TOC)	CQ05743 TOC-LDLW	1.965	526.066	0.093	4.755	14:25	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	2.072	549.695	2.152	02:50			
2	TOC	1.927	517.588	2.144	03:12			
3	TOC	1.897	510.916	1.949	03:02			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
27	Sample (TOC)	CQ05744 TOC-LDLW	0.466	193.331	0.092	19.668	14:40	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	0.571	216.596	2.098	02:44			
2	TOC	0.425	184.361	2.052	02:49			
3	TOC	0.401	179.035	1.975	02:57			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
28	Sample (TOC)	CQ05745 TOC-LDLW 2X	7.704	1799.337	0.137	1.775	14:54	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	7.569	1769.280	1.891	03:06			
2	TOC	7.842	1829.963	2.175	03:05			
3	TOC	7.702	1798.768	2.258	03:17			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
29	Sample (TOC)	CQ05746 DOC-WM	3.316	825.674	0.170	5.117	15:09	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	3.137	786.037	2.077	02:48			
2	TOC	3.475	860.937	2.069	03:08			
3	TOC	3.335	830.048	2.234	03:17			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
30	Sample (TOC)	CQ05746 TOC-LDLW	3.195	798.898	0.294	9.192	15:25	90.000

Lotix Report: Samples Schedule



Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)
1	TOC	2.987	752.634	2.013	02:50
2	TOC	3.531	873.416	2.092	03:02
3	TOC	3.068	770.645	2.335	03:15

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
1	Sample (TOC)	CQ05747 TOC-LDLW	7.449	1742.731	0.155	2.081	15:40	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	7.580	1771.772	2.224	02:49			
2	TOC	7.489	1751.661	2.552	03:22			
3	TOC	7.278	1704.762	2.604	03:10			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
2	Sample (TOC)	CQ05748 DOC-WM	2.241	587.110	0.043	1.939	15:55	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	2.192	576.313	2.382	02:59			
2	TOC	2.254	590.173	2.319	03:01			
3	TOC	2.275	594.845	2.412	02:59			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
3	Sample (TOC)	CQ05748 TOC-LDLW	2.404	623.459	0.082	3.426	16:09	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	2.341	609.470	2.450	02:54			
2	TOC	2.498	644.136	2.270	03:07			
3	TOC	2.374	616.771	2.320	03:09			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
4	Sample (TOC)	10 ppm	9.458	2188.366	0.404	4.269	16:24	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	8.991	2084.951	2.259	02:53			
2	TOC	9.698	2241.730	2.419	03:11			
3	TOC	9.683	2238.417	2.603	03:13			

Pos	Sample Type	ID	ppm	ABS	Std Dev	%RSD	Start-Time	Blank Contrib
5	Sample (TOC)	BLANK	0.035	97.838	0.033	94.609	16:39	90.000
Rep #	Analysis Type	ppm	NDIR (ABS)	Baseline (ABS)	Run Time (mm:ss)			
1	TOC	0.072	105.981	2.297	02:51			
2	TOC	0.007	91.476	2.449	02:58			
3	TOC	0.027	96.056	2.279	02:55			

Calibration Curve

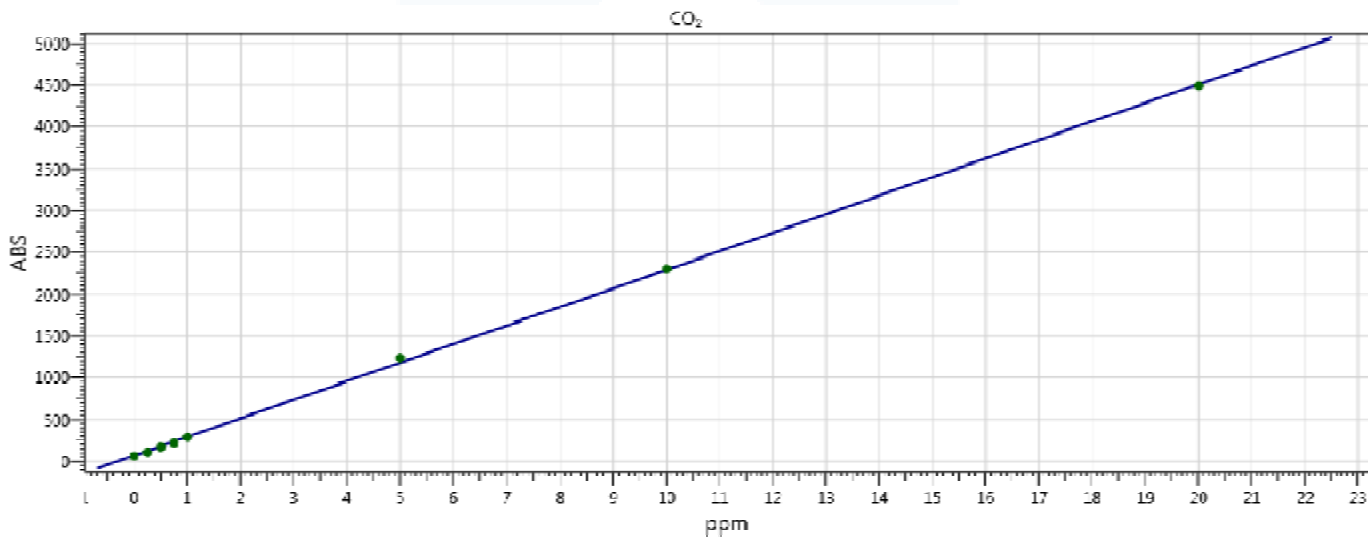
Date: 12/8/2023 9:53:56 AM
Instrument Name: Lotix - 2 Method SM5310B
Method: TOC
Schedule: from schedule 20231208 L S#GN6
Sample ppm Calculation Uses: Latest Method Blank
Software Ver: 3.3.7431.18150
Sample Source: Lotix Autosampler

TOC

Linear Curve: $y = 221.873x + 68.640$
Coefficient of Determination (r²): 0.99974

Standard Results

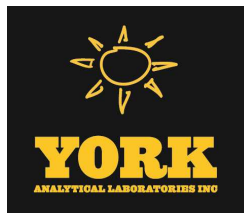
Actual ppmC	ABS	Measured ppmC	When
0.00	64.169	-0.020	12/8/2023 8:05:21 AM
0.25	108.977	0.182	12/8/2023 8:20:31 AM
0.50	170.700	0.460	12/8/2023 8:35:41 AM
0.75	217.902	0.673	12/8/2023 8:50:25 AM
1.00	285.518	0.977	12/8/2023 9:05:19 AM
5.00	1235.132	5.257	12/8/2023 9:20:06 AM
10.00	2300.313	10.058	12/8/2023 9:35:37 AM
20.00	4486.656	19.912	12/8/2023 9:51:00 AM



Method Parameters

Parameter	Value	Context
Acid Volume	0.2 mL	
Carrier Gas Delay	60 sec	
Lotix Furnace	720 °C	
Sparge Time	120 sec	Strict IC Sparge Time On





Technical Report

prepared for:

KB Environmental Assessment

4 Gail Street

Bay Shore NY, 11706

Attention: Keith Butler

Report Date: 02/29/2024

Client Project ID: NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

York Project (SDG) No.: 24B1182

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/29/2024
Client Project ID: NAA 2309 - 140 E Mineola Ave, Valley Stream, NY
York Project (SDG) No.: 24B1182

KB Environmental Assessment

4 Gail Street
Bay Shore NY, 11706
Attention: Keith Butler

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 21, 2024 and listed below. The project was identified as your project: **NAA 2309 - 140 E Mineola Ave, Valley Stream, NY.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24B1182-01	IA-1	Indoor Ambient Air	02/20/2024	02/21/2024
24B1182-02	IA-2	Indoor Ambient Air	02/20/2024	02/21/2024
24B1182-03	AA-1	Outdoor Ambient Air	02/20/2024	02/21/2024
24B1182-04	SVI-7	Soil Vapor	02/20/2024	02/21/2024
24B1182-05	SVI-X	Soil Vapor	02/20/2024	02/21/2024
24B1182-06	SVI-12	Soil Vapor	02/20/2024	02/21/2024

General Notes for York Project (SDG) No.: 24B1182

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

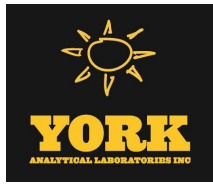
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 02/29/2024





Sample Information

Client Sample ID: IA-1

York Sample ID: 24B1182-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:30 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.69	1	EPA TO-15 Certifications:	02/22/2024 09:00	02/24/2024 06:11	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.55	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.69	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.77	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.099	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.74	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
95-63-6	1,2,4-Trimethylbenzene	77		ug/m ³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.77	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.46	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.70	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
108-67-8	1,3,5-Trimethylbenzene	21		ug/m ³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
106-99-0	1,3-Butadiene	4.8		ug/m ³	0.66	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.46	1	EPA TO-15 Certifications:	02/22/2024 09:00	02/24/2024 06:11	VH



Sample Information

Client Sample ID: IA-1

York Sample ID: 24B1182-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:30 pm

02/21/2024

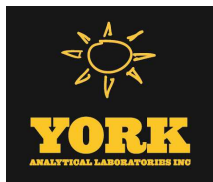
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.72	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
78-93-3	2-Butanone	ND		ug/m ³	0.29	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.82	1	EPA TO-15 Certifications:	02/22/2024 09:00	02/24/2024 06:11	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.6	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
67-64-1	Acetone	6.2		ug/m ³	0.48	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.22	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
71-43-2	Benzene	9.5		ug/m ³	0.32	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.52	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.67	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-25-2	Bromoform	ND		ug/m ³	1.0	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
74-83-9	Bromomethane	ND		ug/m ³	0.39	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.31	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
56-23-5	Carbon tetrachloride	0.38		ug/m ³	0.16	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.46	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-00-3	Chloroethane	ND		ug/m ³	0.26	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
67-66-3	Chloroform	ND		ug/m ³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
74-87-3	Chloromethane	1.4		ug/m ³	0.21	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH



Sample Information

Client Sample ID: IA-1

York Sample ID: 24B1182-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:30 pm

02/21/2024

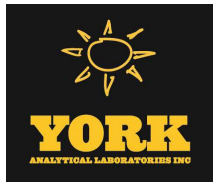
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.099	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.45	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
110-82-7	Cyclohexane	7.1		ug/m ³	0.34	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.85	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.72	1	EPA TO-15 Certifications:	02/22/2024 09:00	02/24/2024 06:11	VH
100-41-4	Ethyl Benzene	22		ug/m ³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
67-63-0	Isopropanol	3.3		ug/m ³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.36	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-09-2	Methylene chloride	0.80		ug/m ³	0.69	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
142-82-5	n-Heptane	16		ug/m ³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
110-54-3	n-Hexane	12		ug/m ³	0.35	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
95-47-6	o-Xylene	34		ug/m ³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
179601-23-1	p- & m- Xylenes	79		ug/m ³	0.87	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
622-96-8	* p-Ethyltoluene	70		ug/m ³	0.49	1	EPA TO-15 Certifications:	02/22/2024 09:00	02/24/2024 06:11	VH
115-07-1	* Propylene	250		ug/m ³	0.57	3.308	EPA TO-15 Certifications:	02/22/2024 09:00	02/25/2024 02:44	VH
100-42-5	Styrene	1.6		ug/m ³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.68	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH



Sample Information

Client Sample ID: IA-1

York Sample ID: 24B1182-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:30 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.59	1	EPA TO-15 Certifications:	02/22/2024 09:00	02/24/2024 06:11	VH
108-88-3	Toluene	71		ug/m ³	0.38	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.45	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.13	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.56	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.35	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.44	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.13	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/24/2024 06:11	VH

Sample Information

Client Sample ID: IA-2

York Sample ID: 24B1182-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:20 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.59	0.857	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 03:58	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.47	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.59	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.66	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH



Sample Information

Client Sample ID: IA-2

York Sample ID: 24B1182-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:20 pm

02/21/2024

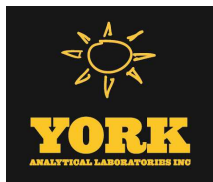
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.47	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.35	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.085	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.64	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
95-63-6	1,2,4-Trimethylbenzene	94		ug/m ³	0.42	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.66	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.52	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.35	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.40	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.60	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
108-67-8	1,3,5-Trimethylbenzene	24		ug/m ³	0.42	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
106-99-0	1,3-Butadiene	4.8		ug/m ³	0.57	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.52	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.40	0.857	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 03:58	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.52	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.62	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
78-93-3	2-Butanone	ND		ug/m ³	0.25	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.70	0.857	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 03:58	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.3	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH



Sample Information

Client Sample ID: IA-2

York Sample ID: 24B1182-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:20 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.35	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
67-64-1	Acetone	7.6		ug/m ³	0.41	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
107-13-1	Acrylonitrile	1.5		ug/m ³	0.19	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
71-43-2	Benzene	12		ug/m ³	0.27	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.44	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.57	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-25-2	Bromoform	ND		ug/m ³	0.89	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
74-83-9	Bromomethane	ND		ug/m ³	0.33	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.27	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
56-23-5	Carbon tetrachloride	0.38		ug/m ³	0.13	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.39	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-00-3	Chloroethane	ND		ug/m ³	0.23	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
67-66-3	Chloroform	ND		ug/m ³	0.42	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
74-87-3	Chloromethane	1.2		ug/m ³	0.18	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.085	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.39	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
110-82-7	Cyclohexane	8.7		ug/m ³	0.29	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.73	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.42	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.62	0.857	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 03:58	VH



Sample Information

Client Sample ID: IA-2

York Sample ID: 24B1182-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:20 pm

02/21/2024

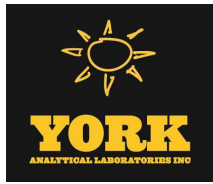
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	27		ug/m ³	0.37	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.91	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
67-63-0	Isopropanol	3.7		ug/m ³	0.42	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.35	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.31	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-09-2	Methylene chloride	ND		ug/m ³	0.60	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
142-82-5	n-Heptane	19		ug/m ³	0.35	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
110-54-3	n-Hexane	16		ug/m ³	0.30	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
95-47-6	o-Xylene	41		ug/m ³	0.37	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
179601-23-1	p- & m- Xylenes	97		ug/m ³	0.74	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
622-96-8	* p-Ethyltoluene	85		ug/m ³	0.42	0.857	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 03:58	VH
115-07-1	* Propylene	260		ug/m ³	0.55	3.216	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 17:58	VH
100-42-5	Styrene	1.9		ug/m ³	0.37	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.58	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.51	0.857	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 03:58	VH
108-88-3	Toluene	89		ug/m ³	0.32	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.34	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.39	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m ³	0.48	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH



Sample Information

Client Sample ID: IA-2

York Sample ID: 24B1182-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Indoor Ambient Air

February 20, 2024 4:20 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m ³	0.30	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.37	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.857	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 03:58	VH

Sample Information

Client Sample ID: AA-1

York Sample ID: 24B1182-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Outdoor Ambient Air

February 20, 2024 6:30 pm

02/21/2024

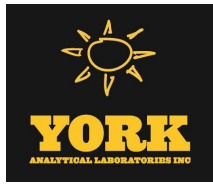
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.60	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.47	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.60	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.67	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.47	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.35	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.086	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.64	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
95-63-6	1,2,4-Trimethylbenzene	0.68		ug/m ³	0.43	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.67	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH



Sample Information

Client Sample ID: AA-1

York Sample ID: 24B1182-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Outdoor Ambient Air

February 20, 2024 6:30 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.52	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.35	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.40	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.61	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.43	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.58	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.52	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.40	0.868	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 04:57	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.52	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.63	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
78-93-3	2-Butanone	0.46		ug/m ³	0.26	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.71	0.868	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 04:57	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.36	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
67-64-1	Acetone	4.0		ug/m ³	0.41	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.19	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
71-43-2	Benzene	1.2		ug/m ³	0.28	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.45	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.58	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH



Sample Information

Client Sample ID: AA-1

York Sample ID: 24B1182-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Outdoor Ambient Air

February 20, 2024 6:30 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/m ³	0.90	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
74-83-9	Bromomethane	ND		ug/m ³	0.34	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.27	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
56-23-5	Carbon tetrachloride	0.44		ug/m ³	0.14	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.40	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
75-00-3	Chloroethane	ND		ug/m ³	0.23	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
67-66-3	Chloroform	ND		ug/m ³	0.42	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
74-87-3	Chloromethane	1.2		ug/m ³	0.18	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.086	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.39	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
110-82-7	Cyclohexane	ND		ug/m ³	0.30	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.74	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.43	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.63	0.868	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 04:57	VH
100-41-4	Ethyl Benzene	0.57		ug/m ³	0.38	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.93	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
67-63-0	Isopropanol	0.92		ug/m ³	0.43	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.36	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.31	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH



Sample Information

Client Sample ID: AA-1

York Sample ID: 24B1182-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Outdoor Ambient Air

February 20, 2024 6:30 pm

02/21/2024

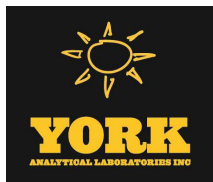
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/m ³	0.60	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
142-82-5	n-Heptane	ND		ug/m ³	0.36	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
110-54-3	n-Hexane	0.46		ug/m ³	0.31	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
95-47-6	o-Xylene	0.68		ug/m ³	0.38	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
179601-23-1	p- & m- Xylenes	1.7		ug/m ³	0.75	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
622-96-8	* p-Ethyltoluene	0.64		ug/m ³	0.43	0.868	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 04:57	VH
115-07-1	* Propylene	1.8		ug/m ³	0.15	0.868	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 04:57	VH
100-42-5	Styrene	ND		ug/m ³	0.37	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.59	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.51	0.868	EPA TO-15 Certifications:	02/23/2024 12:00	02/27/2024 04:57	VH
108-88-3	Toluene	2.2		ug/m ³	0.33	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.34	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.39	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.49	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.31	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.38	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.868	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/23/2024 12:00	02/27/2024 04:57	VH



Sample Information

Client Sample ID: SVI-7

York Sample ID: 24B1182-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Soil Vapor

February 20, 2024 5:12 pm

02/21/2024

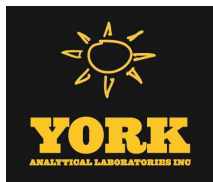
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	2.3	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.8	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.3	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.6	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.8	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.4	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.33	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CC V, TO-LC S-L	ug/m ³	2.5	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
95-63-6	1,2,4-Trimethylbenzene	4.8		ug/m ³	1.6	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.6	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.0	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.4	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.5	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.3	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
108-67-8	1,3,5-Trimethylbenzene	2.1		ug/m ³	1.6	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
106-99-0	1,3-Butadiene	3.2	TO-LC S-L	ug/m ³	2.2	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.0	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.5	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.0	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH



Sample Information

Client Sample ID: SVI-7

York Sample ID: 24B1182-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Soil Vapor

February 20, 2024 5:12 pm

02/21/2024

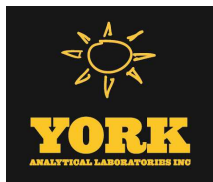
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m ³	2.4	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
78-93-3	2-Butanone	11		ug/m ³	0.99	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	2.7	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
107-05-1	3-Chloropropene	ND		ug/m ³	5.2	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
108-10-1	4-Methyl-2-pentanone	310		ug/m ³	1.4	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
67-64-1	Acetone	60	TO-LC S-L	ug/m ³	1.6	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.73	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
71-43-2	Benzene	4.9		ug/m ³	1.1	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
100-44-7	Benzyl chloride	ND		ug/m ³	1.7	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	2.2	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
75-25-2	Bromoform	ND		ug/m ³	3.5	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
74-83-9	Bromomethane	ND		ug/m ³	1.3	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
75-15-0	Carbon disulfide	ND		ug/m ³	1.0	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.53	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
108-90-7	Chlorobenzene	2.9		ug/m ³	1.5	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
75-00-3	Chloroethane	ND		ug/m ³	0.88	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
67-66-3	Chloroform	ND		ug/m ³	1.6	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
74-87-3	Chloromethane	1.0		ug/m ³	0.69	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.33	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH



Sample Information

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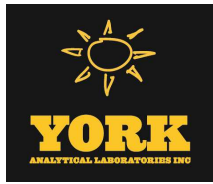
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
110-82-7	Cyclohexane	4.1		ug/m ³	1.2	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	2.8	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	1.7	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	2.4	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
100-41-4	Ethyl Benzene	5.5		ug/m ³	1.5	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.6	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
67-63-0	Isopropanol	3.5		ug/m ³	1.6	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.4	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.2	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
75-09-2	Methylene chloride	ND		ug/m ³	2.3	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
142-82-5	n-Heptane	38		ug/m ³	1.4	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
110-54-3	n-Hexane	8.1		ug/m ³	1.2	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
95-47-6	o-Xylene	6.8		ug/m ³	1.5	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
179601-23-1	p- & m- Xylenes	15		ug/m ³	2.9	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
622-96-8	* p-Ethyltoluene	6.6		ug/m ³	1.6	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
115-07-1	* Propylene	190		ug/m ³	0.58	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH
100-42-5	Styrene	ND		ug/m ³	1.4	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.3	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.0	3.344	EPA TO-15 Certifications:	02/26/2024 19:24	02/27/2024 18:47	VH



Sample Information

Client Sample ID: SVI-7

York Sample ID: 24B1182-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Soil Vapor

February 20, 2024 5:12 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	28		ug/m ³	1.3	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.3	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.45	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.9	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
593-60-2	Vinyl bromide	ND		ug/m ³	1.5	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.43	3.344	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/26/2024 19:24	02/27/2024 18:47	VH

Sample Information

Client Sample ID: SVI-X

York Sample ID: 24B1182-05

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Soil Vapor

February 20, 2024 5:12 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	2.3	3.408	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 19:12	YR
71-55-6	1,1,1-Trichloroethane	2.2		ug/m ³	1.9	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.3	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.6	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.9	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR



Sample Information

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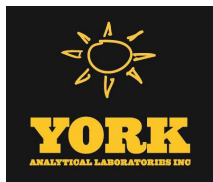
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.4	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.34	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
95-63-6	1,2,4-Trimethylbenzene	6.5		ug/m ³	1.7	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.6	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.0	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.4	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.6	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.4	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
108-67-8	1,3,5-Trimethylbenzene	3.0		ug/m ³	1.7	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
106-99-0	1,3-Butadiene	5.4		ug/m ³	2.3	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.0	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.6	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.0	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	2.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
78-93-3	2-Butanone	13		ug/m ³	1.0	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	2.8	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
107-05-1	3-Chloropropene	ND		ug/m ³	5.3	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.4	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR



Sample Information

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24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Soil Vapor

February 20, 2024 5:12 pm

02/21/2024

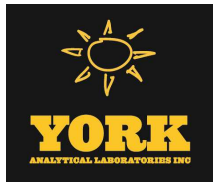
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	85		ug/m ³	1.6	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
107-13-1	Acrylonitrile	1.3	B	ug/m ³	0.74	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
71-43-2	Benzene	ND		ug/m ³	1.1	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
100-44-7	Benzyl chloride	ND		ug/m ³	1.8	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	2.3	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-25-2	Bromoform	ND		ug/m ³	3.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
74-83-9	Bromomethane	ND		ug/m ³	1.3	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-15-0	Carbon disulfide	ND		ug/m ³	1.1	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
56-23-5	Carbon tetrachloride	1.1	TO-CC V, TO-LC S-H	ug/m ³	0.54	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
108-90-7	Chlorobenzene	ND		ug/m ³	1.6	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-00-3	Chloroethane	ND		ug/m ³	0.90	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
67-66-3	Chloroform	ND		ug/m ³	1.7	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
74-87-3	Chloromethane	1.8		ug/m ³	0.70	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.34	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
110-82-7	Cyclohexane	5.5		ug/m ³	1.2	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	2.9	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-71-8	Dichlorodifluoromethane	3.2		ug/m ³	1.7	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	2.5	3.408	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 19:12	YR



Sample Information

Client Sample ID: SVI-X

York Sample ID: 24B1182-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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Soil Vapor

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02/21/2024

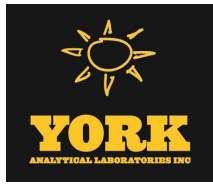
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	7.5		ug/m ³	1.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.6	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
67-63-0	Isopropanol	4.1		ug/m ³	1.7	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.4	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.2	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-09-2	Methylene chloride	ND		ug/m ³	2.4	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
142-82-5	n-Heptane	48		ug/m ³	1.4	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
110-54-3	n-Hexane	10		ug/m ³	1.2	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
95-47-6	o-Xylene	9.0		ug/m ³	1.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
179601-23-1	p- & m- Xylenes	20		ug/m ³	3.0	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
622-96-8	* p-Ethyltoluene	8.7		ug/m ³	1.7	3.408	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 19:12	YR
115-07-1	* Propylene	200		ug/m ³	0.59	3.408	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 19:12	YR
100-42-5	Styrene	ND		ug/m ³	1.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.3	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.0	3.408	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 19:12	YR
108-88-3	Toluene	31		ug/m ³	1.3	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.4	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
79-01-6	Trichloroethylene	0.92	B	ug/m ³	0.46	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.9		ug/m ³	1.9	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR



Sample Information

Client Sample ID: SVI-X

York Sample ID: 24B1182-05

York Project (SDG) No.

Client Project ID

Matrix

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NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Soil Vapor

February 20, 2024 5:12 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
593-60-2	Vinyl bromide	ND		ug/m ³	1.5	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.44	3.408	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 19:12	YR

Sample Information

Client Sample ID: SVI-12

York Sample ID: 24B1182-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Soil Vapor

February 20, 2024 5:26 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.675	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 20:15	YR
71-55-6	1,1,1-Trichloroethane	2.4		ug/m ³	0.91	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.3		ug/m ³	1.3	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.91	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-34-3	1,1-Dichloroethane	1.1		ug/m ³	0.68	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-35-4	1,1-Dichloroethylene	1.1	B	ug/m ³	0.17	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
120-82-1	1,2,4-Trichlorobenzene	2.4	TO-LC S-H	ug/m ³	1.2	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
95-63-6	1,2,4-Trimethylbenzene	1.8		ug/m ³	0.82	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
106-93-4	1,2-Dibromoethane	2.2		ug/m ³	1.3	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
95-50-1	1,2-Dichlorobenzene	1.1		ug/m ³	1.0	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR



Sample Information

Client Sample ID: SVI-12

York Sample ID: 24B1182-06

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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	1.3		ug/m ³	0.68	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.77	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
76-14-2	1,2-Dichlorotetrafluoroethane	1.4		ug/m ³	1.2	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.82	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
106-99-0	1,3-Butadiene	3.8		ug/m ³	1.1	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
541-73-1	1,3-Dichlorobenzene	1.0		ug/m ³	1.0	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.77	1.675	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 20:15	YR
106-46-7	1,4-Dichlorobenzene	1.1		ug/m ³	1.0	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
78-93-3	2-Butanone	12		ug/m ³	0.49	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.675	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 20:15	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.6	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.69	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
67-64-1	Acetone	93		ug/m ³	0.80	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
107-13-1	Acrylonitrile	1.3	B	ug/m ³	0.36	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
71-43-2	Benzene	ND		ug/m ³	0.54	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.87	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-25-2	Bromoform	ND		ug/m ³	1.7	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
74-83-9	Bromomethane	1.0		ug/m ³	0.65	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR



Sample Information

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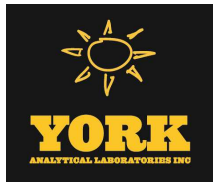
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	2.5		ug/m ³	0.52	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
56-23-5	Carbon tetrachloride	1.7	TO-CC V, TO-LC S-H	ug/m ³	0.26	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
108-90-7	Chlorobenzene	1.3		ug/m ³	0.77	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-00-3	Chloroethane	0.71		ug/m ³	0.44	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
67-66-3	Chloroform	1.7		ug/m ³	0.82	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
74-87-3	Chloromethane	1.4		ug/m ³	0.35	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
156-59-2	cis-1,2-Dichloroethylene	1.7	B	ug/m ³	0.17	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
10061-01-5	cis-1,3-Dichloropropylene	0.99		ug/m ³	0.76	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
110-82-7	Cyclohexane	4.6		ug/m ³	0.58	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
124-48-1	Dibromochloromethane	1.4		ug/m ³	1.4	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-71-8	Dichlorodifluoromethane	3.9		ug/m ³	0.83	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.675	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 20:15	YR
100-41-4	Ethyl Benzene	3.3		ug/m ³	0.73	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
87-68-3	Hexachlorobutadiene	2.1		ug/m ³	1.8	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
67-63-0	Isopropanol	8.9		ug/m ³	0.82	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-09-2	Methylene chloride	2.4		ug/m ³	1.2	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
142-82-5	n-Heptane	26		ug/m ³	0.69	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
110-54-3	n-Hexane	9.2		ug/m ³	0.59	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR



Sample Information

Client Sample ID: SVI-12

York Sample ID: 24B1182-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1182

NAA 2309 - 140 E Mineola Ave, Valley Stream, NY

Soil Vapor

February 20, 2024 5:26 pm

02/21/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	3.0		ug/m ³	0.73	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
179601-23-1	p- & m- Xylenes	6.8		ug/m ³	1.5	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
622-96-8	* p-Ethyltoluene	1.8		ug/m ³	0.82	1.675	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 20:15	YR
115-07-1	* Propylene	140		ug/m ³	0.29	1.675	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 20:15	YR
100-42-5	Styrene	0.86		ug/m ³	0.71	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
127-18-4	Tetrachloroethylene	5.7		ug/m ³	1.1	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.99	1.675	EPA TO-15 Certifications:	02/28/2024 12:00	02/28/2024 20:15	YR
108-88-3	Toluene	18		ug/m ³	0.63	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
156-60-5	trans-1,2-Dichloroethylene	1.1		ug/m ³	0.66	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
79-01-6	Trichloroethylene	3.0	B	ug/m ³	0.23	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-69-4	Trichlorofluoromethane (Freon 11)	2.9		ug/m ³	0.94	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
593-60-2	Vinyl bromide	1.0		ug/m ³	0.73	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR
75-01-4	Vinyl Chloride	0.73	TO-CC V, TO-LC S-H	ug/m ³	0.21	1.675	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/28/2024 12:00	02/28/2024 20:15	YR





Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

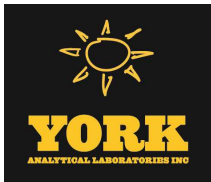
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.





YORK
ANALYTICAL LABORATORIES, INC.

120 Research Drive
Stratford, CT 06615

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www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No.
24B1182

Page **1** of **1**

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Address:	Company:	Address:	Company:	Address:	Project Number:	Project Name:	RUSH - Next Day	RUSH - Two Day
YORK	120 Research Drive Stratford, CT 06615	DAVID		DAVID		NAA 2309	140 C. Williams Air Valley Stream NJ		
Phone:	Phone:	Phone:	Phone:	Phone:	Phone:			RUSH - Three Day	RUSH - Four Day
Contact:	Contact:	Contact:	Contact:	Contact:	Contact:				Standard (5-7 Day)
E-mail:	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:				

Report / EDD Type (circle selections)

☒ Summary Report ☐ Standard Excel EDD
☐ QA Report ☐ EQUIS (Standard)
☐ NY ASP A Package ☒ NYSDEC EQUIS
☐ NY ASP B Package ☐ NJDEP SRP HazSite
☐ Other:

Air Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
AI - Indoor Ambient Air	AO - Outdoor Amb. Air	New York	New Jersey	CT RCP	Standard Excel EDD	Compared to the following Regulation(s):	(please fill in)
AS - Vapor Extraction Well/Process Gas/Effluent <td>AS - Soil Vapor/Sub-Slab <td>Connecticut <td>Pennsylvania <td>NJDEP Reduced Deliv. <td></td> <td></td> <td></td> </td></td></td></td>	AS - Soil Vapor/Sub-Slab <td>Connecticut <td>Pennsylvania <td>NJDEP Reduced Deliv. <td></td> <td></td> <td></td> </td></td></td>	Connecticut <td>Pennsylvania <td>NJDEP Reduced Deliv. <td></td> <td></td> <td></td> </td></td>	Pennsylvania <td>NJDEP Reduced Deliv. <td></td> <td></td> <td></td> </td>	NJDEP Reduced Deliv. <td></td> <td></td> <td></td>			
		Other:		NJDKQP			

YORK Project No. **24B1182**

Project Name **140 C. Williams Air Valley Stream NJ**

Project Address **Valley Stream NJ**

Project Phone **914 662 9100**

Project Contact **Kelly Zoller**

Project E-mail **kelly.zoller@yorklab.com**

Certified Canisters: Batch		Individual		Reporting Units: ug/m ³ X ppbv		ppmv	
Sample Identification	Date/Time Sampled	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Flow Cont. ID	Analysis Requested	Flow Cont. ID	Analysis Requested
IA-1	2/21/24	29	6	1072-6	10-15	0932	1030
IA-2		30	6	40302		0938	1020
AA-1		30	8	41940		0945	1030
BVI-7		30	7	20844		0936	1712
BVI-X		30	7	24109		0936	1712
SUI-12		30	8	30455		0939	1726

Comments:

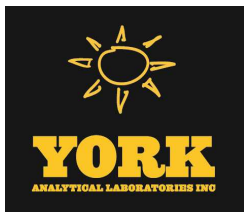
2/21/24 800

2/21/24 1135

2/21/24 1945

Detection Limits Required		Sampling Media	
≤ 1 ug/m ³	NYSDEC V1 Limits	6 Liter Canister	Tedlar Bag

Samples Relinquished by / Company		Date/Time	
YORK	2/21/24 800	2/21/24 1135	2/21/24 1945



Technical Report

prepared for:

KB Environmental Assessment

4 Gail Street

Bay Shore NY, 11706

Attention: Keith Butler

Report Date: 07/02/2024

Client Project ID: NAA2309 Sid Harvey Valley Stream

York Project (SDG) No.: 24F1642

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 07/02/2024
Client Project ID: NAA2309 Sid Harvey Valley Stream
York Project (SDG) No.: 24F1642

KB Environmental Assessment

4 Gail Street
Bay Shore NY, 11706
Attention: Keith Butler

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 25, 2024 and listed below. The project was identified as your project: **NAA2309 Sid Harvey Valley Stream**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24F1642-01	VGCA-Influent	Vapor Extraction	06/25/2024	06/25/2024
24F1642-02	VGCA-1	Vapor Extraction	06/25/2024	06/25/2024
24F1642-03	VGCA-2	Vapor Extraction	06/25/2024	06/25/2024
24F1642-04	SVE Stack	Vapor Extraction	06/25/2024	06/25/2024

General Notes for York Project (SDG) No.: 24F1642

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

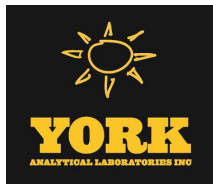
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 07/02/2024





Sample Information

Client Sample ID: VGCA-Influent

York Sample ID: 24F1642-01

York Project (SDG) No.
24F1642

Client Project ID
NAA2309 Sid Harvey Valley Stream

Matrix
Vapor Extraction

Collection Date/Time
June 25, 2024 9:54 am

Date Received
06/25/2024

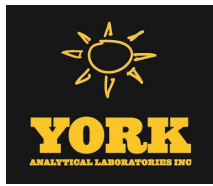
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Renorted to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.638	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 18:43	YR
71-55-6	1,1,1-Trichloroethane	48		ug/m ³	0.89	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.89	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-34-3	1,1-Dichloroethane	11		ug/m ³	0.66	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-35-4	1,1-Dichloroethylene	0.91		ug/m ³	0.16	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, TO-LC S-L, ICVE	ug/m ³	1.2	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
95-63-6	1,2,4-Trimethylbenzene	3.5		ug/m ³	0.81	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.98	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
107-06-2	1,2-Dichloroethane	1.7		ug/m ³	0.66	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.76	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
108-67-8	1,3,5-Trimethylbenzene	0.81		ug/m ³	0.81	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.98	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.76	1.638	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 18:43	YR



Sample Information

Client Sample ID: VGCA-Influent

York Sample ID: 24F1642-01

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:54 am

Date Received

06/25/2024

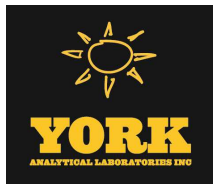
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.98	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
540-84-1	* 2,2,4-Trimethylpentane	130		ug/m ³	0.38	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
78-93-3	2-Butanone	3.9	B	ug/m ³	1.2	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.6	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
108-10-1	4-Methyl-2-pentanone	1.4		ug/m ³	0.67	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
67-64-1	Acetone	32	B	ug/m ³	0.97	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
107-13-1	Acrylonitrile	2.4		ug/m ³	0.36	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
71-43-2	Benzene	2.4		ug/m ³	0.52	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.85	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-25-2	Bromoform	ND		ug/m ³	1.7	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
74-83-9	Bromomethane	ND		ug/m ³	0.64	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.51	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
56-23-5	Carbon tetrachloride	2.9		ug/m ³	0.26	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.75	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-00-3	Chloroethane	ND	TO-LC S-L	ug/m ³	0.43	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
67-66-3	Chloroform	10	B	ug/m ³	2.0	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
74-87-3	Chloromethane	0.51		ug/m ³	0.34	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR



Sample Information

Client Sample ID: VGCA-Influent

York Sample ID: 24F1642-01

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:54 am

Date Received

06/25/2024

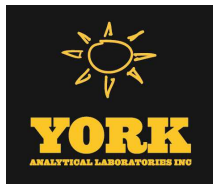
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	5.7		ug/m ³	0.16	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.74	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
110-82-7	Cyclohexane	1.8		ug/m ³	0.56	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-71-8	Dichlorodifluoromethane	2.7		ug/m ³	0.81	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.638	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 18:43	YR
100-41-4	Ethyl Benzene	3.1		ug/m ³	0.71	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
87-68-3	Hexachlorobutadiene	ND	ICVE	ug/m ³	1.7	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
67-63-0	Isopropanol	1.9		ug/m ³	0.81	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.67	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	25		ug/m ³	0.59	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-09-2	Methylene chloride	3.9		ug/m ³	1.1	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
91-20-3	* Naphthalene	1.8	ICVE	ug/m ³	1.7	1.638	EPA TO-15 Certifications: NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
142-82-5	n-Heptane	2.8		ug/m ³	0.67	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
110-54-3	n-Hexane	5.7		ug/m ³	0.58	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
95-47-6	o-Xylene	4.2		ug/m ³	0.71	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
179601-23-1	p- & m- Xylenes	13		ug/m ³	1.4	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
622-96-8	* p-Ethyltoluene	2.4		ug/m ³	0.81	1.638	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 18:43	YR
115-07-1	* Propylene	ND		ug/m ³	0.28	1.638	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 18:43	YR
100-42-5	Styrene	ND		ug/m ³	0.70	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR



Sample Information

Client Sample ID: VGCA-Influent

York Sample ID: 24F1642-01

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:54 am

Date Received

06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	110		ug/m ³	1.1	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
109-99-9	* Tetrahydrofuran	1.7		ug/m ³	0.97	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
108-88-3	Toluene	55		ug/m ³	0.62	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.65	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.74	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
79-01-6	Trichloroethylene	31	TO-LC S-L	ug/m ³	0.22	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m ³	0.92	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
108-05-4	Vinyl acetate	ND	TO-LC S-L	ug/m ³	0.58	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.72	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.638	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 18:43	YR

Sample Information

Client Sample ID: VGCA-1

York Sample ID: 24F1642-02

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:55 am

Date Received

06/25/2024

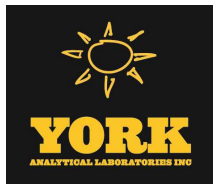
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
71-55-6	1,1,1-Trichloroethane	43		ug/m ³	0.96	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e (Freon 113)	ND		ug/m ³	1.3	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR



Sample Information

Client Sample ID: VGCA-1

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NAA2309 Sid Harvey Valley Stream

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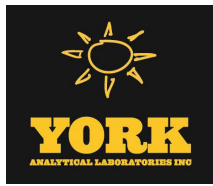
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.96	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-34-3	1,1-Dichloroethane	8.1		ug/m ³	0.71	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-35-4	1,1-Dichloroethylene	0.84		ug/m ³	0.17	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, ICVE, TO-LC S-L	ug/m ³	1.3	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
95-63-6	1,2,4-Trimethylbenzene	0.86		ug/m ³	0.86	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
107-06-2	1,2-Dichloroethane	1.3		ug/m ³	0.71	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.81	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.86	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.81	1.759	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 19:37	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.3	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
540-84-1	* 2,2,4-Trimethylpentane	53		ug/m ³	0.41	1.759	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 19:37	YR
78-93-3	2-Butanone	ND		ug/m ³	1.3	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.759	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 19:37	YR



Sample Information

Client Sample ID: VGCA-1

York Sample ID: 24F1642-02

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:55 am

Date Received

06/25/2024

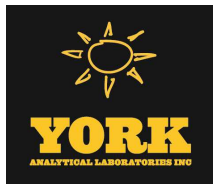
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.8	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.72	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
67-64-1	Acetone	29	B	ug/m ³	1.0	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
107-13-1	Acrylonitrile	0.95		ug/m ³	0.38	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
71-43-2	Benzene	1.7		ug/m ³	0.56	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.91	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-25-2	Bromoform	ND		ug/m ³	1.8	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
74-83-9	Bromomethane	ND		ug/m ³	0.68	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.55	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
56-23-5	Carbon tetrachloride	2.5		ug/m ³	0.28	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.81	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-00-3	Chloroethane	ND	TO-LC S-L	ug/m ³	0.46	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
67-66-3	Chloroform	7.7	B	ug/m ³	2.1	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
74-87-3	Chloromethane	0.87		ug/m ³	0.36	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
156-59-2	cis-1,2-Dichloroethylene	4.9		ug/m ³	0.17	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.80	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
110-82-7	Cyclohexane	8.4		ug/m ³	0.61	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	0.87	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR



Sample Information

Client Sample ID: VGCA-1

York Sample ID: 24F1642-02

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:55 am

Date Received

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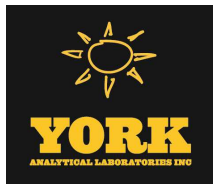
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	2.0		ug/m ³	1.3	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:			
100-41-4	Ethyl Benzene	1.1		ug/m ³	0.76	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
87-68-3	Hexachlorobutadiene	ND	ICVE	ug/m ³	1.9	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	Isopropanol	3.2		ug/m ³	0.86	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.72	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	9.5		ug/m ³	0.63	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	13		ug/m ³	1.2	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
91-20-3	* Naphthalene	ND	ICVE	ug/m ³	1.8	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NJDEP-NY037		
142-82-5	n-Heptane	1.8		ug/m ³	0.72	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	n-Hexane	5.8		ug/m ³	0.62	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	o-Xylene	1.1		ug/m ³	0.76	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	p- & m- Xylenes	4.3		ug/m ³	1.5	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.86	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:			
115-07-1	* Propylene	ND		ug/m ³	0.30	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:			
100-42-5	Styrene	ND		ug/m ³	0.75	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	Tetrachloroethylene	42		ug/m ³	1.2	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* Tetrahydrofuran	1.6		ug/m ³	1.0	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:			
108-88-3	Toluene	29		ug/m ³	0.66	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.70	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.80	1.759	EPA TO-15	07/01/2024 07:00	07/01/2024 19:37	YR
							Certifications:	NELAC-NY12058,NJDEP-NY037		



Sample Information

Client Sample ID: VGCA-1

York Sample ID: 24F1642-02

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:55 am

Date Received

06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	18	TO-LC S-L	ug/m ³	0.24	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.8		ug/m ³	0.99	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
108-05-4	Vinyl acetate	ND	TO-LC S-L	ug/m ³	0.62	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.77	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.22	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 19:37	YR

Sample Information

Client Sample ID: VGCA-2

York Sample ID: 24F1642-03

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:57 am

Date Received

06/25/2024

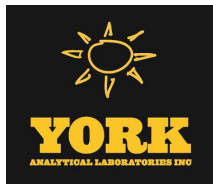
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.66	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 20:30	YR
71-55-6	1,1,1-Trichloroethane	51		ug/m ³	0.91	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.91	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-34-3	1,1-Dichloroethane	9.6		ug/m ³	0.67	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-35-4	1,1-Dichloroethylene	0.99		ug/m ³	0.16	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, ICVE, TO-LC S-L	ug/m ³	1.2	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR



Sample Information

Client Sample ID: VGCA-2

York Sample ID: 24F1642-03

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:57 am

Date Received

06/25/2024

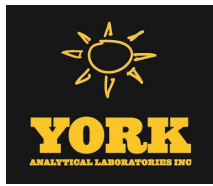
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.82	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
107-06-2	1,2-Dichloroethane	1.5		ug/m ³	0.67	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.77	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.82	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.77	1.66	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 20:30	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
540-84-1	* 2,2,4-Trimethylpentane	51		ug/m ³	0.39	1.66	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 20:30	YR
78-93-3	2-Butanone	1.9	B	ug/m ³	1.2	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.66	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 20:30	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.6	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.68	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
67-64-1	Acetone	74	B	ug/m ³	0.99	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR



Sample Information

Client Sample ID: VGCA-2

York Sample ID: 24F1642-03

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:57 am

Date Received

06/25/2024

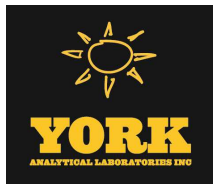
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	1.9		ug/m ³	0.53	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.86	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-25-2	Bromoform	ND		ug/m ³	1.7	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
74-83-9	Bromomethane	ND		ug/m ³	0.64	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.52	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
56-23-5	Carbon tetrachloride	2.9		ug/m ³	0.26	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.76	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-00-3	Chloroethane	ND	TO-LC S-L	ug/m ³	0.44	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
67-66-3	Chloroform	9.2	B	ug/m ³	2.0	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
74-87-3	Chloromethane	1.1		ug/m ³	0.34	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
156-59-2	cis-1,2-Dichloroethylene	5.8		ug/m ³	0.16	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.75	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
110-82-7	Cyclohexane	9.8		ug/m ³	0.57	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.82	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
141-78-6	* Ethyl acetate	2.0		ug/m ³	1.2	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
100-41-4	Ethyl Benzene	1.1		ug/m ³	0.72	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
87-68-3	Hexachlorobutadiene	ND	ICVE	ug/m ³	1.8	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
67-63-0	Isopropanol	3.3		ug/m ³	0.82	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR



Sample Information

Client Sample ID: VGCA-2

York Sample ID: 24F1642-03

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:57 am

Date Received

06/25/2024

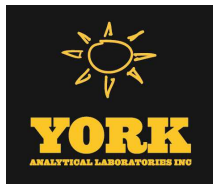
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.68	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	9.7		ug/m ³	0.60	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-09-2	Methylene chloride	16		ug/m ³	1.2	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
91-20-3	* Naphthalene	ND	ICVE	ug/m ³	1.7	1.66	EPA TO-15 Certifications: NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
142-82-5	n-Heptane	1.7		ug/m ³	0.68	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
110-54-3	n-Hexane	5.6		ug/m ³	0.59	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
95-47-6	o-Xylene	1.1		ug/m ³	0.72	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
179601-23-1	p- & m- Xylenes	3.8		ug/m ³	1.4	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.82	1.66	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 20:30	YR
115-07-1	* Propylene	ND		ug/m ³	0.29	1.66	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 20:30	YR
100-42-5	Styrene	ND		ug/m ³	0.71	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
127-18-4	Tetrachloroethylene	43		ug/m ³	1.1	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
109-99-9	* Tetrahydrofuran	1.6		ug/m ³	0.98	1.66	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 20:30	YR
108-88-3	Toluene	29		ug/m ³	0.63	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.66	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.75	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
79-01-6	Trichloroethylene	26	TO-LC S-L	ug/m ³	0.22	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.93	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
108-05-4	Vinyl acetate	ND	TO-LC S-L	ug/m ³	0.58	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR



Sample Information

Client Sample ID: VGCA-2

York Sample ID: 24F1642-03

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:57 am

Date Received

06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 20:30	YR

Sample Information

Client Sample ID: SVE Stack

York Sample ID: 24F1642-04

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:59 am

Date Received

06/25/2024

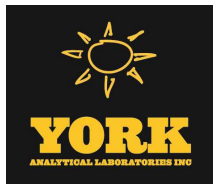
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.79	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 21:23	YR
71-55-6	1,1,1-Trichloroethane	52		ug/m ³	0.98	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.4	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.98	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-34-3	1,1-Dichloroethane	9.6		ug/m ³	0.72	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-35-4	1,1-Dichloroethylene	1.1		ug/m ³	0.18	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, ICVE, TO-LC S-L	ug/m ³	1.3	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.88	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
107-06-2	1,2-Dichloroethane	1.5		ug/m ³	0.72	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR



Sample Information

Client Sample ID: SVE Stack

York Sample ID: 24F1642-04

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

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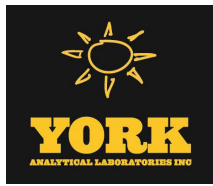
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.83	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.3	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.88	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.2	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.83	1.79	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 21:23	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.3	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
540-84-1	* 2,2,4-Trimethylpentane	56		ug/m ³	0.42	1.79	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 21:23	YR
78-93-3	2-Butanone	1.3	B	ug/m ³	1.3	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.5	1.79	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 21:23	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.8	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.73	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
67-64-1	Acetone	95	B	ug/m ³	1.1	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
107-13-1	Acrylonitrile	0.39		ug/m ³	0.39	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
71-43-2	Benzene	2.1		ug/m ³	0.57	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.93	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-25-2	Bromoform	ND		ug/m ³	1.9	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR



Sample Information

Client Sample ID: SVE Stack

York Sample ID: 24F1642-04

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

Collection Date/Time

June 25, 2024 9:59 am

Date Received

06/25/2024

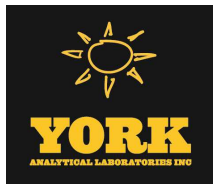
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/m ³	0.70	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.56	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
56-23-5	Carbon tetrachloride	2.9		ug/m ³	0.28	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.82	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-00-3	Chloroethane	ND	TO-LC S-L	ug/m ³	0.47	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
67-66-3	Chloroform	9.3	B	ug/m ³	2.2	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
74-87-3	Chloromethane	0.89		ug/m ³	0.37	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
156-59-2	cis-1,2-Dichloroethylene	5.8		ug/m ³	0.18	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.81	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
110-82-7	Cyclohexane	9.7		ug/m ³	0.62	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-71-8	Dichlorodifluoromethane	2.7		ug/m ³	0.89	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
141-78-6	* Ethyl acetate	2.0		ug/m ³	1.3	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
100-41-4	Ethyl Benzene	1.0		ug/m ³	0.78	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
87-68-3	Hexachlorobutadiene	ND	ICVE	ug/m ³	1.9	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
67-63-0	Isopropanol	2.2		ug/m ³	0.88	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.73	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.65	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-09-2	Methylene chloride	16		ug/m ³	1.2	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
91-20-3	* Naphthalene	ND	ICVE	ug/m ³	1.9	1.79	EPA TO-15 Certifications: NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR



Sample Information

Client Sample ID: SVE Stack

York Sample ID: 24F1642-04

York Project (SDG) No.

24F1642

Client Project ID

NAA2309 Sid Harvey Valley Stream

Matrix

Vapor Extraction

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June 25, 2024 9:59 am

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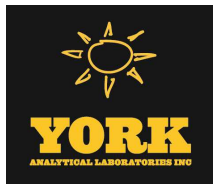
Volatile Organics, EPA TO15 Full List

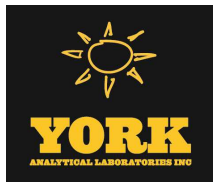
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-82-5	n-Heptane	1.8		ug/m ³	0.73	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
110-54-3	n-Hexane	6.0		ug/m ³	0.63	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
95-47-6	o-Xylene	1.1		ug/m ³	0.78	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
179601-23-1	p- & m- Xylenes	3.6		ug/m ³	1.6	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.88	1.79	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 21:23	YR
115-07-1	* Propylene	ND		ug/m ³	0.31	1.79	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 21:23	YR
100-42-5	Styrene	ND		ug/m ³	0.76	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
127-18-4	Tetrachloroethylene	41		ug/m ³	1.2	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
109-99-9	* Tetrahydrofuran	1.9		ug/m ³	1.1	1.79	EPA TO-15 Certifications:	07/01/2024 07:00	07/01/2024 21:23	YR
108-88-3	Toluene	31		ug/m ³	0.67	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.71	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.81	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
79-01-6	Trichloroethylene	24	TO-LC S-L	ug/m ³	0.24	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m ³	1.0	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
108-05-4	Vinyl acetate	ND	TO-LC S-L	ug/m ³	0.63	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.78	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.23	1.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	07/01/2024 07:00	07/01/2024 21:23	YR





Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.



Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.
